2025 Annual Groundwater Monitoring and Corrective Action Report

Edgewater Generating Station
Sheboygan, Wisconsin

Prepared for:

Alliant Energy

SCS ENGINEERS

25225068.00 | January 30, 2026

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OVERVIEW OF CURRENT STATUS

Edgewater Generating Station, Surface Impoundments
2025 Annual Report

In accordance with §257.90(e)(6), this section at the beginning of the annual report provides an overview of the current status of groundwater monitoring and corrective action programs for the coal combustion residual (CCR) units. The groundwater monitoring system at the Edgewater Generating Station is a multiunit system. Supporting information is provided in the text of the annual report.

Category	Rule Requirement	Site Status
Monitoring Status – Start of Year	(i) At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95;	Assessment
Monitoring Status – End of Year	(ii) At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in §257.94 or the assessment monitoring program in §257.95;	Assessment
Statistically Significant Increases (SSIs)	(iii) If it was determined that there was an SSI over background for one or more constituents listed in appendix III to this part pursuant to §257.94(e):	
	(A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and	<u>August 2024</u> Boron: MW-304 Fluoride: MW-304 Sulfate: MW-304 <u>October 2024</u> Boron: MW-301, MW-302, MW-303, MW-304 Fluoride: MW-302, MW-304 Sulfate: MW-301, MW-302, MW-304 <u>November 2024</u> Boron: MW-304 Fluoride: MW-304 Sulfate: MW-304 <u>December 2024</u> Boron: MW-304 Fluoride: MW-304 Sulfate: MW-304

Category	Rule Requirement	Site Status
		<u>January 2025</u> Boron: MW-301, MW-302, MW-303, MW-304 Field pH: MW-301, MW-302, MW-304 Sulfate: MW-301, MW-302, MW-304 <u>April 2025</u> Boron: MW-301, MW-302, MW-303, MW-304 Calcium: MW-304 Field pH: MW-301, MW-302, MW-304 Sulfate: MW-301, MW-302, MW-304 <u>August 2025</u> Boron: MW-301, MW-302, MW-303, MW-304 Field pH: MW-301, MW-302, MW-304 Sulfate: MW-301, MW-302, MW-304
	(B) Provide the date when the assessment monitoring program was initiated for the CCR unit.	October 28, 2024

Category	Rule Requirement	Site Status
Statistically Significant Levels (SSL) Above Groundwater Protection Standard (GPS)	(iv) If it was determined that there was an SSL above the GPS for one or more constituents listed in appendix IV to this part pursuant to §257.95(g) include all of the following:	
	(A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;	Lithium: MW-304 Determined to be at an SSL above the GPS on July 23, 2025 Molybdenum: MW-304 Determined to be at an SSL above the GPS on July 23, 2025
	(B) Provide the date when the assessment of corrective measures (ACM) was initiated for the CCR unit;	July 23, 2025
	(C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and	To be determined
	(D) Provide the date when the assessment of corrective measures was completed for the CCR unit.	September 22, 2025
Selection of Remedy	(v) Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection; and	Selection of remedy is in progress
Corrective Action	(vi) Whether remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.	Not applicable – Selection of remedy in progress

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1.0 INTRODUCTION

This 2025 Annual Groundwater Monitoring and Corrective Action Report was prepared to support compliance with the groundwater monitoring requirements of the Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (CFR) 257.50-107]. Specifically, this report was prepared to fulfill the requirements of 40 CFR 257.90(e). The applicable sections of the Rule are provided below in italics, followed by applicable information relative to the 2025 Annual Groundwater Monitoring and Corrective Action Report for the CCR Units.

This report covers the period of groundwater monitoring from January 1, 2025, through December 31, 2025.

The groundwater monitoring system at the Edgewater Generating Station (EDG) is a multiunit system. EDG has four closed CCR units, which are contiguous:

- EDG Slag Pond (existing CCR surface impoundment)
- EDG North A-Pond (existing CCR surface impoundment)
- EDG South A-Pond (existing CCR surface impoundment)
- EDG B-Pond (existing surface CCR impoundment)

The system is designed to detect monitored constituents at the waste boundary of the CCR units as required by 40 CFR 257.91(d). The groundwater monitoring system consists of one upgradient monitoring well, four downgradient monitoring wells, and one delineation monitoring well (**Table 1**, **Figure 1**, and **Figure 2**).

Closure of the four ponds was completed in 2021. The Notification of Completion of Closure pursuant to 40 CFR 257.102(d) was entered into the EDG CCR Operating Record on August 10, 2021.

2.0 BACKGROUND

To provide context for the required annual report information, the following background information is provided in this section of the report, prior to the required information:

- Geologic and hydrogeologic setting
- CCR Rule monitoring system

2.1 GEOLOGIC AND HYDROGEOLOGIC SETTING

2.1.1 Regional Information

For the purposes of groundwater monitoring, the unconsolidated sand and gravel aquifer is considered to be the uppermost aquifer, as defined under 40 CFR 257.53, at the EDG ponds. A summary of the regional hydrogeologic stratigraphy and a regional geologic cross section are included in **Appendix A**.

The sand and gravel aquifer is present in some parts of Sheboygan County (Skinner and Borman, 1973). Boring logs from monitoring wells at the EDG ponds and for nearby private wells indicate that the unconsolidated material at and near the site contains a significant amount of sand. Private well

logs from the surrounding area indicate that the sand and gravel aquifer has been used as a water source; however, several older sand wells in the area have been replaced with bedrock water supply wells. In a search of area well records, SCS Engineers (SCS) did not find any records indicating that shallow wells are still being used in the area around EDG.

The dolomite aquifer underlies the unconsolidated material at the site. The total thickness of the dolomite aquifer at the site is unknown. The dolomite aquifer is underlain by the Maquoketa shale, which is a confining unit. The Maquoketa shale is underlain by the Cambrian-Ordovician sandstone aquifer. This sequence of sedimentary bedrock units is over 1,500 feet thick in the site vicinity. The sedimentary sequence is underlain by Precambrian crystalline rocks that are not considered an aquifer in eastern Wisconsin.

2.1.2 Site Information

The site consists of four closed CCR surface impoundments that are monitored as a single Closure Area. Closure of the impoundments began in 2020 and was completed in 2021. Adjacent to the surface impoundments is an inactive CCR landfill that was closed prior to 2015. The area as a whole is regulated by the Wisconsin Department of Natural Resources as the Edgewater 1-4 Closed Ash Disposal Facility, License #2524. A groundwater monitoring network of 19 wells was installed at the site to meet state requirements prior to installation of additional monitoring wells to meet CCR Rule requirements. Soils at the site are primarily silt, sand, and some clay to a depth of approximately 80 to 140 feet and overlie dolomite bedrock.

During drilling of CCR wells MW-301, MW-302, MW-303, MW-304, and MW-305, the unconsolidated materials were identified as consisting primarily of lean clay overlying sandy silt. The boring log for the previously installed background monitoring well 2R-OW shows lean clay as the primary unconsolidated material at this location. The boring logs for Ash Ponds CCR monitoring wells are provided in **Appendix B**. All CCR monitoring wells are screened within the unconsolidated glacial aquifer.

The water table maps shown on **Figures 3**, **4**, and **5** are based on groundwater levels measured in the unconsolidated deposits during the April, August, and October 2025 assessment monitoring events. A summary of the sampling events that occurred throughout 2025 is shown in **Table 2**. The groundwater elevations are summarized in **Table 3A** (state wells) and **Table 3B** (CCR wells). Horizontal gradients and flow velocities for representative flow paths are provided in **Table 4.**

Shallow groundwater in the area of the EDG site generally flows to the south-southeast. There was a more easterly flow direction in the immediate vicinity of the ponds prior to the impoundment closure and capping. Due to the change in flow direction after the pond closure activities were completed, a fourth downgradient compliance well, MW-304, was installed on the south side of the closure area on February 5, 2024.

Historically, there was localized groundwater mounding associated with the now closed EDG ponds. With the closure of the ponds, groundwater mounding has decreased. Water levels measured at three wells installed within the closed CCR landfill were historically interpreted as representing the water table, but under current conditions may not be consistent with groundwater elevations in the soil below the landfill and pond closure area. Water levels for these wells are shown in brackets in the water table maps, and contours in the landfill and pond closure area are dashed to reflect uncertainty.

2.2 CCR MONITORING SYSTEM

The groundwater monitoring system established under the CCR Rule consists of one upgradient (background) monitoring well, four downgradient monitoring wells, and one delineation monitoring well (**Table 1** and **Figure 2**). The upgradient monitoring well is 2R-OW. The downgradient monitoring wells include MW-301, MW-302, MW-303, and MW-304. The delineation monitoring well is MW-305. MW-304 was installed in February 2024 and background monitoring has been in progress since April 2024. MW-304 was also included in the April 2024 detection monitoring event and the October 2024 assessment monitoring event. The monitoring system was recertified on December 31, 2024, to include MW-304 as a downgradient compliance well. Delineation monitoring well MW-305 was installed in August 2025 to investigate groundwater flow and groundwater quality downgradient of the CCR units. Evaluation of the use of existing state monitoring wells or installation of additional delineation wells to support selection of remedy is ongoing.

The CCR compliance monitoring wells were installed in the unconsolidated sediments with screens in the uppermost soil layer producing appreciable water, which was a sandy silt unit. Well depths range from approximately 14.5 to 40 feet, measured from the top of the well casing.

3.0 §257.90(E) ANNUAL REPORT REQUIREMENTS

***Annual groundwater monitoring and corrective action report**. For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For CCR management units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31, 2029, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by §257.105(h)(1). At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:*

3.1 §257.90(E)(1) SITE MAP

A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

A map of the site location is provided as **Figure 1**. A map with an aerial image showing the CCR units and all background (or upgradient) and downgradient monitoring wells with identification numbers for the groundwater monitoring program is provided as **Figure 2**.

3.2 §257.90(E)(2) MONITORING SYSTEM CHANGES

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;

New monitoring well MW-305 was installed in 2025 and was added to the groundwater monitoring network as a delineation well. No monitoring wells included in the monitoring system were decommissioned in 2025.

3.3 §257.90(E)(3) SUMMARY OF SAMPLING EVENTS

In addition to all the monitoring data obtained under §257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

Two semiannual groundwater assessment monitoring events were completed in April and October 2025 for Appendix III and IV constituents. One additional assessment monitoring event was conducted in January 2025 to meet the requirements of 40 CFR 257.95(d), which requires collection of a second round of assessment monitoring samples within 90 days of obtaining the results for the initial assessment monitoring event. An additional sampling event was conducted in August 2025 to collect additional data from state and CCR wells to support the ACM. The August 2025 data were reported in the ACM and are included in Appendix C. A summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the assessment monitoring program or was a supplemental sampling event is included in Table 2.

The validation and evaluation of the October 2024 monitoring event data was completed and transmitted to Wisconsin Power and Light Company (WPL) on January 24, 2025. The validation and evaluation of the January 2025 monitoring event data was completed and transmitted to WPL on August 7, 2025. The validation and evaluation of the April 2025 monitoring event data was completed and transmitted to WPL on August 14, 2025. The validation and evaluation of the October 2025 monitoring event data was in progress at the end of 2025 and will be transmitted to WPL in 2026; therefore, the October 2025 monitoring results and analytical report will be included in the 2026 annual report. The October 2025 groundwater elevations are included in this report.

The sampling results for Appendix III and IV parameters in October 2024, January 2025, April 2025, and August 2025 are summarized in Tables 5A and 5B. Field parameter results for these sampling events are provided in Table 6. The analytical laboratory reports for these events are provided in Appendix C. Historical results for each CCR monitoring well through August 2025 are summarized in Appendix D.

3.4 §257.90(E)(4) MONITORING TRANSITION NARRATIVE

A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels);

In 2024, the EDG CCR units transitioned to assessment monitoring beginning with the October 2024 monitoring event. The assessment monitoring program was established in accordance with 40 CFR 257.94(e)(3) on October 28, 2024. Assessment monitoring was initiated in response to statistically significant increases (SSIs) over background levels for boron and sulfate.

On July 23, 2025, molybdenum and lithium, as sampled in monitoring well MW-304, were determined to be at statistically significant levels (SSLs) above the Groundwater Protection Standards (GPSs). An Assessment of Corrective Measures (ACM) was initiated on July 23, 2025, and

completed on September 22, 2025. Assessment monitoring will continue during the selection of a remedy and implementation of corrective action. Past alternative source demonstrations beginning October 2017 concluded based on several lines of evidence that past SSIs for boron, fluoride, and sulfate concentrations in the compliance monitoring wells were likely due to leachate from the adjacent closed landfill. A holistic approach to groundwater remediation at this site is underway via the ACM, which evaluated both the closed CCR surface impoundments and the adjacent closed landfill for future groundwater corrective actions.

The U.S. Environmental Protection Agency's Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at Resource Conservation and Recovery Act (RCRA) Facilities (EPA 530-R-09-007, March 2009) recommends the use of confidence intervals for comparison of assessment monitoring data to fixed GPS values. Specifically, the suggested approach for comparing assessment groundwater monitoring data to GPS values based on long-term chronic health risk, such as drinking water Maximum Contaminant Levels (MCLs), is to compare the lower confidence limit (LCL) around the arithmetic mean with the fixed GPS. A minimum of four samples are required to complete an LCL evaluation for a parameter at a compliance well.

For each assessment monitoring event evaluated in 2025, an LCL evaluation was completed for parameters that had exceeded their respective GPSs in at least one compliance well sample result since establishing the assessment monitoring program, which include arsenic, cobalt, lithium, and molybdenum. In 2025, only MW-304 had enough rounds of Appendix IV results to allow LCL calculations for the January and April assessment monitoring events. The LCLs were calculated with Sanitas™ using historical concentrations from each compliance well. For MW-304, the results of background sampling performed in 2024, prior to the initiation of assessment monitoring, were included in the LCL evaluations. LCL evaluations completed for MW-304 for the October 2024, January 2025, and April 2025 assessment monitoring events are provided in **Appendix E**.

For MW-301, MW-302, and MW-303, the background monitoring events were completed in 2017 and earlier, prior to pond closure, and may not represent current conditions; therefore, the background results were not used for current LCL calculations. For these wells, there were not enough rounds of data available to evaluate LCLs for the October 2024, January 2025, and April 2025 assessment monitoring events. LCL evaluations for these three wells will be completed as part of the evaluation of the October 2025 assessment monitoring event, which will be completed in 2026 and included in the 2026 annual report.

3.5 §257.90(E)(5) OTHER REQUIREMENTS

Other information required to be included in the annual report as specified in §257.90 through 257.98.

Additional potentially applicable requirements for the annual report, and the location of the requirement within the Rule, are provided in the following sections. For each cited section of the Rule, the portion referencing the annual report requirement is provided below in italics, followed by applicable information relative to the 2025 Annual Groundwater Monitoring and Corrective Action Report for the CCR Units.

3.5.1 §257.90(e) General Requirements

For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year.

Status of Groundwater Monitoring and Corrective Action Program. The groundwater monitoring and corrective action program was in assessment monitoring at the beginning of 2025. An ACM report was completed in 2025.

Summary of Key Actions Completed (2025):

- Established groundwater protection standards (GPSs) in accordance with §257.95(d)(2).
- Completed statistical evaluation and determination of any SSLs above the GPS for the October 2024, January 2025, and April 2025 assessment monitoring events.
- Conducted three assessment monitoring groundwater sampling and analysis events (January, April, and October 2025).
- Conducted one supplemental monitoring event to support the ACM (August 2025).
- Installed new delineation monitoring well MW-305 to monitor groundwater flow and groundwater quality downgradient of the CCR units and to fulfill the requirements of 40 CFR 257.95(g)(1)(iii).
- Initiated ACM in accordance with 40 CFR 257.95(g)(3) (July 23, 2025) and characterized the release pursuant to 40 CFR 257.95(g)(1).
- Completed ACM in accordance with 40 CFR 257.96(a) on September 22, 2025.

Description of Any Problems Encountered. No problems were encountered in 2025.

Discussion of Actions to Resolve the Problems. Not applicable.

Projection of Key Activities for the Upcoming Year (2026).

- Complete statistical evaluation and determination of any SSLs above the GPSs for the October 2025 and April 2026 monitoring event.
- Complete two semiannual groundwater sampling and analysis events (April and October 2026).
- Conduct supplemental groundwater sampling events, if needed.
- Continue work on the selection of a remedy and prepare semiannual report describing the progress in selecting and designing the remedy.

3.5.2 §257.94(d) Alternative Detection Monitoring Frequency

The owner or operator must include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer in the annual groundwater monitoring and corrective action report required by §257.90(e).

Not applicable. The EDG CCR units are no longer in detection monitoring.

3.5.3 §257.94(e)(2) Alternative Source Demonstration for Detection Monitoring

The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by §257.90(e), in addition to the certification by a qualified professional engineer.

Not applicable. The EDG CCR units are no longer in detection monitoring.

3.5.4 §257.95(c) Alternative Assessment Monitoring Frequency

The owner or operator must include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer in the annual groundwater monitoring and corrective action report required by §257.90(e).

Not applicable. Assessment monitoring has been initiated at the site, but no alternative assessment monitoring frequency is proposed at this time.

3.5.5 §257.95(d)(3) Assessment Monitoring Results and Standards

Include the recorded concentrations required by paragraph (d)(1) of this section, identify the background concentrations established under §257.94(b), and identify the groundwater protection standards established under paragraph (d)(2) of this section in the annual groundwater monitoring and corrective action report required by §257.90(e).

The 2025 assessment monitoring results, background UPLs, and GPSs established for EDG are provided in Tables 5A and 5B. The laboratory reports are provided in Appendix C. Historical monitoring results are summarized in Appendix D.

3.5.6 §257.95(g)(3)(ii) Alternative Source Demonstration for Assessment Monitoring

The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by §257.90(e), in addition to the certification by a qualified professional engineer.

Not applicable. No alternative source demonstrations were completed in 2025.

3.5.7 §257.96(a) Extension of Time for Corrective Measures Assessment

The assessment of corrective measures must be completed within 90 days, unless the owner or operator demonstrates the need for additional time to complete the assessment of corrective measure due to site-specific conditions or circumstances. The owner or operator must obtain a certification from a qualified professional engineer attesting that the demonstration is accurate. The 90-day deadline to complete the assessment of corrective measures may be extended for longer than 60 days. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by §257.90(e), in addition to the certification by a qualified professional engineer.

The ACM was initiated on July 23, 2025, and was completed on September 22, 2025.

3.6 §257.90(E)(6) OVERVIEW

A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit.

The specific requirements for the overview under §257.90(e)(6) are listed and the information is provided at the beginning of this report, before the Table of Contents.

4.0 REFERENCES

Skinner, Earl L., and Borman, Ronald G., 1973, Water Resources of Wisconsin-Lake Michigan Basin, Department of the Interior United States Geological Survey Hydrogeologic Investigation Atlas HA-432.

U.S. EPA, 2009, The Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities.

Tables

Table 1. Groundwater Monitoring Well Network
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00

Monitoring Well	Location in Monitoring Network	Role in Monitoring Network
2R-OW	Upgradient	Background
MW-301	Downgradient	Compliance
MW-302	Downgradient	Compliance
MW-303	Downgradient	Compliance
MW-304	Downgradient	Compliance
MW-305	Downgradient	Delineation

Last revision by:	LH	11/7/2025
Checked by:	RM	11/24/2025

Table 2. CCR Rule Groundwater Samples Summary
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00

Sample Dates	Background Well	Compliance Wells				Delineation Well
	2R-OW	MW-301	MW-302	MW-303	MW-304	MW-305
January 3-17, 2025	A	A	A	A	A	NI
April 22-23, 2025	A	A	A	A	A	NI
August 4-6, 2025	S	S	S	S	S	S
October 10, 2025	A	A	A	A	A	A
Total Samples	4	4	4	4	4	2

Abbreviations:
A = Assessment Monitoring Event
S = Supplemental Monitoring Event
NI = Not Installed

Last revision by: LH Date: 11/7/2025
Checked by: RM Date: 12/1/2025

Table 3A. Groundwater Elevations - State Monitoring Wells
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00

	Ground Water Elevation in feet above mean sea level (amsl)																					
Well Number	**1-OW**	**2R-OW**	**3R-OW**	**4R-OW**	**5-OW**	**W-5A**	**6-AR**	**6R-OW**	**7A-OW**	**7-OW**	**18-OW**	**29-OW**	**29-A**	**30-OW**	**31-OW**	**32-OW**	**36-OW**	**37-OW**	**37R-OW**	**38R-OW**	**39R-OW**	**40-OW**	**SG-01**
Measurement Date																							
October 24, 2012	588.11	607.82	582.64	585.24	595.63	596.69	587.42	587.40	592.00	589.78	583.49	585.33	586.60	586.40	582.58	583.63	599.77	599.42	NI	599.38	598.05		597.60
April 18, 2012	NM	NM	NM	NM	595.89	597.13	587.33	587.35	592.35	589.79	NM	585.32	588.39	NM	NM	NM	NM	NM	NI	NM	NM		NM
October 24, 2012	NM	NM	NM	NM	595.63	596.69	587.42	587.40	592.00	589.78	NM	585.33	586.60	NM	NM	NM	NM	NM	NI	NM	NM		NM
April 8, 2013	588.50	609.92	588.37	586.35	596.66	597.65	588.40	587.34	592.79	589.95	583.97	585.78	588.07	588.57	584.35	584.50	600.79	600.24	NI	600.16	598.30		597.9
October 22, 2013	584.88	601.15	580.90	584.46	594.23	595.64	582.64	584.83	591.23	587.24	NM [1]	584.70	586.76	582.19	580.40	580.76	599.13	598.22	NI	598.42	596.56	NM	598.0
April 22, 2014	588.05	609.22	587.99	586.11	595.18	597.10	587.00	587.37	589.27	589.51	NM [1]	585.38	588.22	587.53	583.75	583.75	NM [1]	599.67	NI	599.38	598.56	NM	597.8
October 28, 2014	586.14	607.27	586.30	585.08	595.33	596.51	587.68	586.99	591.92	589.29	NM [1]	585.00	587.84	585.48	582.88	582.68	600.07	599.81	NI	599.26	598.37	NM	595.85
April 7 - 9, 2015	587.90	608.47	587.44	585.52	595.66	596.76	586.99	587.50	591.95	588.50	ABAND	585.44	587.55	586.29	583.21	583.87	599.69	599.21	NI	599.21	597.46	583.77	597.6
October 8, 2015	584.78	604.22	583.34	584.52	594.76	594.47	582.65	585.67	591.23	589.71	ABAND	584.69	587.27	584.26	581.60	582.52	600.29	599.47	NI	599.70	598.09	583.01	NM
April 4-5, 2016	588.40	610.02	587.72	586.69	596.70	597.81	584.52	585.68	592.41	587.93	ABAND	582.95	587.25	586.91	584.35	584.47	601.05	601.37	NI	601.18	601.13	579.28	599
October 17, 2016 [2]	587.50	607.27	586.71	585.15	595.41	596.82	584.34	586.61	592.01	587.65	ABAND	581.25	586.10	586.23	583.02	583.83	600.87	600.70	NI	600.74	599.49	579.42	NM
April 12-13, 2017	588.23	609.80	587.95	586.31	596.08	597.69	586.77	587.32	592.19	587.06	ABAND	583.74	585.43	585.36	583.68	584.52	602.01	602.11	NI	602.08	601.29	584.02	NM
October 9, 2017	584.14	600.87	581.00	584.49	594.68	596.04	583.03	583.51	590.50	585.96	ABAND	583.01	584.88	582.76	580.93	581.18	600.18	598.48	NI	599.65	598.07	583.05	NM
April 2, 2018	587.79	607.87	586.63	586.68	595.73	596.88	586.80	587.44	591.76	589.62	ABAND	585.51	587.11	585.68	582.95	582.85	600.71	600.00	NI	600.04	597.99	583.64	NM
June 19, 2018	NM	605.70	585.49	585.20	595.41	NM	NM	NM	NM	587.20	ABAND	585.43	585.79	584.96	582.29	NM	NM [1]	600.44	NI	600.68	599.61	583.07	NM
October 1, 2018	585.37	604.61	584.18	584.86	595.24	596.44	586.10	586.86	591.01	588.75	ABAND	585.04	584.94	584.79	582.11	582.81	600.30	600.12	NI	600.27	599.79	583.17	NM
April 8, 2019	588.57	609.50	588.01	591.93	596.03	597.33	584.61	587.35	591.92	590.06	ABAND	585.76	586.75	587.83	584.18	584.85	600.21	599.60	NI	599.74	598.49	583.75	NM
October 9-10, 2019	587.85	609.39	587.39	585.99	595.68	596.92	586.42	587.24	591.66	587.53	ABAND	585.14	585.10	587.15	583.63	584.48	599.92	600.25	NI	600.01	599.82	583.08	NM
April 8-9, 2020	588.03	608.97	587.70	586.05	595.57	596.89	585.74	586.95	591.61	587.76	ABAND	584.98	587.35	587.29	583.70	584.59	599.40	599.52	NI	599.48	599.38	583.01	NM
October 14-15, 2020	584.62	604.37	582.20	584.54	593.27	594.86	582.71	583.45	588.81	586.53	ABAND	583.95	586.83	583.83	582.60	582.82	ABAND	596.87	NI	NM	594.72	583.26	NM
April 14, 2021	587.95	608.50	587.64	585.42	594.87	596.13	586.53	587.29	591.28	589.89	ABAND	585.16	587.64	587.06	583.46	584.25	ABAND	DRY	NI	596.50	593.95	583.08	NM
October 27-28, 2021	584.53	603.62	580.74	584.47	593.06	594.70	579.90	584.60	590.45	587.39	ABAND	584.60	586.65	582.89	581.88	582.02	ABAND	DRY	NI	595.49	592.34	582.74	ABAND
February 28, 2022	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	ABAND	NM	NM	NM	NM	NM	ABAND	DRY	NI	595.25	NM	NM	ABAND
April 13, 2022	588.64	608.63	588.30	585.06	595.72	595.11	586.08	588.15	591.60	590.70	ABAND	584.69	584.82	588.02	584.10	585.09	ABAND	DRY	NI	594.43	DRY	583.09	ABAND
October 6, 2022	584.39	601.93	580.62	583.52	593.16	593.41	582.43	584.86	590.02	587.38	ABAND	583.21	584.18	583.09	581.55	581.98	ABAND	DRY	NI	594.62	593.36	582.60	ABAND
April 25-26, 2023	588.51	607.74	588.00	585.15	595.48	595.22	588.13	588.18	591.90	590.13	ABAND	584.92	586.46	587.94	583.60	584.62	ABAND	597.35	NI	596.81	598.09	583.17	ABAND
October 10-11, 2023	583.99	599.85	579.87	583.26	592.52	592.83	583.52	582.36	588.67	585.67	ABAND	583.46	583.80	582.27	580.47	581.37	ABAND	DRY	NI	595.63	594.40	582.01	ABAND
April 15-17, 2024	588.50	607.70	588.14	584.84	595.52	595.15	588.31	587.93	591.87	590.26	ABAND	584.66	587.07	587.65	583.69	584.49	ABAND	596.81	NI	596.66	596.69	583.19	ABAND
October 3-4, 2024	584.42	602.06	582.67	583.52	593.62	593.74	584.74	584.57	590.38	585.65	ABAND	584.58	585.61	584.02	581.48	582.30	ABAND	DAMAGED	NI	596.33	597.05	582.08	ABAND
April 22-23, 2025	588.45	608.15	588.18	584.96	595.42	595.26	588.31	588.23	591.99	590.20	ABAND	584.77	585.88	588.26	583.65	584.82	ABAND	ABAND	597.16	596.74	596.39	582.93	ABAND
August 5-8, 2025	584.15	603.22	583.02	583.36	593.72	593.17	584.54	584.43	590.43	585.71	ABAND	583.07	584.49	584.06	581.43	582.31	ABAND	ABAND	596.64	597.00	596.07	581.39	ABAND
October 7-9, 2025	583.57	599.79	580.01	583.11	592.75	593.24	582.96	582.77	589.48	584.58	ABAND	582.79	583.76	582.20	580.34	581.29	ABAND	ABAND	595.72	596.30	594.84	581.19	ABAND

Notes:
NM = not measured
ABAND = abandoned
NI = Not Installed

Created by: MDB Date: 5/6/2013
Last revision by: RM Date: 10/14/2025
Checked by: NLB Date: 10/29/2025

1: Well broken
2: Well casings at 7-OW, 7A, and 29-OW were cut down to allow the protective covers to close. 7-OW was cut down by 0.22 ft, 7A was cut down by 0.29 ft, and 29-OW was cut down by 0.17 ft. Top of casing elevations in this table were adjusted accordingly.
*: Well was frozen

^: Monitoring well adjustments and resurveys:
Monitoring well 38R-OW was extended on October 30, 2020 during repairs following well damage by pond c losure construction equipment.
Monitoring Well 40-OW cut down to have a top of casing elevation of 586.05 famsl on December 3, 2021.
All active monitoring wells were resurveyed in January 2023. These elevations are retroactively applied to 2022 monitoring events.

I:\25225068.00\Deliverables\2025 - Annual CCR Report\Tables\[Table 3A - GW Elevation Summary_2025.xls]levels

Table 3B. Groundwater Elevations - CCR Monitoring Wells
WPL - Edgewater 1-4 (Closed) Ash Disposal Facility /
SCS Engineers Project #25225068.00

Ground Water Elevation in feet above mean sea level (amsl)						
Well Number	**MW-301**	**MW-302**	**MW-303**	**MW-304**	**MW-305**	**2R-OW**
Measurement Date						
April 8, 2016	599.75	596.19	589.04	NI	NI	609.68
June 20, 2016	598.30	595.68	587.22	NI	NI	606.70
August 9, 2016	598.00	595.53	587.72	NI	NI	605.74
October 20, 2016	598.50	595.46	588.37	NI	NI	607.27
January 23-24, 2017	597.10	596.30	588.84	NI	NI	609.64
April 6, 2017	600.04	593.57	589.04	NI	NI	609.72
October 24, 2017	598.77	595.86	588.44	NI	NI	607.63
August 1, 2017	597.40	595.22	587.36	NI	NI	604.59
October 24, 2017	597.20	595.25	587.97	NI	NI	601.74
April 2, 2018	598.54	595.71	588.77	NI	NI	607.87
October 1, 2018	597.60	595.28	588.17	NI	NI	604.61
April 8, 2019	598.92	595.68	588.88	NI	NI	609.50
October 7, 2019	599.56	595.58	588.77	NI	NI	609.39
June 26, 2020	597.89	NM	NM	NI	NI	NM
October 15, 2020	595.10	590.18	585.07	NI	NI	604.27
April 14, 2021	596.81	592.18	586.89	NI	NI	608.50
October 26, 2021	592.32	591.44	585.95	NI	NI	604.04
April 13, 2022	597.37	593.05	587.99	NI	NI	608.63
October 6, 2022	592.69	591.96	586.42	NI	NI	601.93
April 25-26, 2023	597.77	593.63	587.99	NI	NI	607.74
October 10, 2023	592.51	592.01	585.79	NI	NI	600.38
April 16, 2024	597.38	593.52	587.88	593.84	NI	607.70
July 26, 2024	--	--	--	593.43	NI	--
August 28, 2024	--	--	--	593.71	NI	--
October 3, 2024	594.24	593.01	586.70	593.16	NI	602.63
November 4, 2024	--	--	--	593.13	NI	--
December 4, 2024	--	--	--	592.82	NI	--
January 3, 2025	596.12	--	--	--	NI	--
January 17, 2025	595.62	593.11	587.54	593.17	NI	605.16
April 22-23, 2025	598.22	593.96	588.15	593.68	NI	608.15
August 5-8, 2025	594.26	592.97	586.39	593.13	582.03	603.22
October 7-8, 2025	592.72	592.24	585.79	592.22	581.00	599.79

Notes:
NM = not measured
NI = not installed
(1): MW-302 and MW-303 were shortened in September 2020 due to site regrading during pond closure. The wells were resurveyed in November 2020.
(2): MW-301 was extended in November 2020 due to site regrading during pond closure. The well was resurveyed in November 2020.
(3): All site wells were re-surveyed in January 2023, and elevations were tied to NGS benchmark PID #DE7593.

Created by:	MDB	Date:	6/27/2016
Last rev. by:	RM	Date:	10/14/2025
Checked by:	LH	Date:	10/20/2025

I:\25225068.00\Deliverables\2025 - Annual CCR Report\Tables\[Table 3B - CCR GW Elevation Summary_2025.xlsx]levels

Table 4. Horizontal Gradients and Flow Velocity - CCR Monitoring Wells
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00
January - December 2025

	Flow Path A - South				
Sampling Dates	**h1 (ft)**	**h2 (ft)**	**Δl (ft)**	**Δh/Δl (ft/ft)**	**V (ft/d)**
April 22-23, 2025	595.00	582.93	530	0.02	0.04
August 5-8, 2025	590.00	581.39	450	0.02	0.03
October 7-9, 2025	590.00	581.19	435	0.02	0.04

	Flow Path B - Southeast				
Sampling Dates	**h1 (ft)**	**h2 (ft)**	**Δl (ft)**	**Δh/Δl (ft/ft)**	**V (ft/d)**
April 22-23, 2025	593.96	590.00	240	0.02	0.03
August 5-8, 2025	592.97	585.71	245	0.03	0.05
October 7-9, 2025	592.24	584.58	175	0.04	0.08

Wells	**K Value (cm/sec)**	**K Value (ft/d)**
MW-301	2.1E-05	0.060
MW-302	4.0E-04	1.139
MW-303	1.1E-04	0.304
MW-304	3.4E-04	0.971
MW-305	3.4E-03	9.723
Geometric Mean	2.5E-04	7.2E-01

Assumed Porosity, n
0.40

Groundwater flow velocity equation: V = [K*(Δh/Δl)] / n

ft = feet
ft/d = feet per day
K = hydraulic conductivity
n = effective porosity
V = groundwater flow velocity

h1, h2 = point interpreted groundwater elevation at locations 1 and 2
Δl = distance between location 1 and 2
Δh/Δl = hydraulic gradient

Note:
1. See Figures 3 and 4 for velocity calculation flow path locations.

Last revision by: NLB Date: 11/20/2025
Checked by: LH Date: 11/25/2025

Table 5A. Groundwater Analytical Results Summary - October 2024 through December 2024
Edgewater Generating Station / SCS Engineers Project #25225068.00

			Background Well	Compliance Wells						
Parameter Name			**2R-OW**	**MW-301**	**MW-302**	**MW-303**	**MW-304**			
			10/3/2024	10/3/2024	10/3/2024	10/3/2024	8/28/2024	10/3/2024	11/4/2024	12/4/2024
Groundwater Elevation, ft amsl	**UPL**		602.63	594.24	593.01	586.70	593.71	593.16	593.13	592.82
Appendix III										
Boron, µg/L	78.4		33.5	7,230	1,610	5,140	4230	4,160	4,430	4,000 P6
Calcium, µg/L	201,000		193,000	106,000	49,200	142,000	82,700	96,000	87,900 P6	78,500
Chloride, mg/L	456		484	18.3	16.4	4.2	25	25.7	24.7	27.6
Fluoride, mg/L	0.200		<0.095	0.28 J	0.67	<0.095	0.83	0.85	0.89	0.83
Field pH, Std. Units	8.57		7.10	7.48	7.74	6.76	7.70	7.42	7.77	7.62
Sulfate, mg/L	36.7		26.7	177	79.9	<0.44	94.5	92.2	91.6	82.9
Total Dissolved Solids, mg/L	1,220		1,330	540	338	668	404	408	352	384
Appendix IV	**UPL**	**GPS**								
Antimony, µg/L	NA	6	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Arsenic, µg/L	NA	10	0.36 J	2.0	7.50	23.2	1.4	1.4	1.4	0.97 J
Barium, µg/L	NA	2,000	177	25.2	49.9	102	69.1	97.9	65.7	68.0
Beryllium, µg/L	NA	4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Cadmium, µg/L	NA	5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.16 J	<0.15
Chromium, µg/L	NA	100	2.0 J	<1.0	<1.0	1.7 J	1.6 J	5.9	1.3 J	2.3 J
Cobalt, µg/L	NA	6	0.98 J	0.26 J	<0.12	1.8	0.72 J	2.1	0.67 J	1.0
Fluoride, mg/L	NA	4	<0.095	0.28 J	0.67	<0.095	0.83	0.85	0.89	0.83
Lead, µg/L	NA	15	<0.24	<0.24	<0.24	0.42 J	0.47 J	1.7	0.38 J	0.54 J
Lithium, µg/L	NA	40	17.9	8.6	52.2	13.5	57.9	72.0	58.4	64.7
Mercury, µg/L	NA	2	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
Molybdenum, µg/L	NA	100	0.54 J	1,950	360	12.8	1950	2,060	1970	1890
Selenium, µg/L	NA	50	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Thallium, µg/L	NA	2	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.46 J	<0.14
Radium 226/228 Combined, pCi/L	NA	5	0.825	0.271	0.193	0.359	0.672	0.650	1.19	1.66

4.4 Blue shaded cell indicates the compliance well result exceeds the UPL (background) and the Limit of Quantitation (LOQ).

30.8 Yellow highlighted cell indicates the compliance well result exceeds the GPS.

Abbreviations:

UPL = Upper Prediction Limit
GPS = Groundwater Protection Standard
NA = Not Applicable
LOD = Limit of Detection
LOQ = Limit of Quantitation
mg/L = milligrams per liter
µg/L = micrograms per liter
Std. Units = Standard Units
ft amsl = feet above mean sea level

Lab Notes:

J = Estimated concentration at or above the LOD and below the LOQ.
P6 = Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Notes:

1. An individual result above the UPL does not constitute an SSI above background. See the accompanying report text for identification of statistically significant results.
2. Interwell UPLs for Appendix III parameters calculated based on results from background well 2R-OW. Interwell UPLs based on a 1-of-2 retesting approach. The interwell UPLs were updated in July 2023 using data from April 2016 through April 2023.
3. UPLs for Appendix IV parameters to be calculated once two assessment monitoring events are complete for compliance wells.

Created by: RM Date: 5/16/2024
Last revision by: RM Date: 1/23/2025
Checked by: BAS Date: 1/23/2025

Table 5B. Groundwater Analytical Results Summary - January 2025 to August 2025
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00

Parameter Name	UPL		Background Well			Compliance Wells												Delineation Well
			2R-OW			MW-301			MW-302			MW-303			MW-304			MW-305
			1/17/2025	4/23/2025	8/5/2025	1/3/2025	4/22/2025	8/4/2025	1/17/2025	4/21/2025	8/4/2025	1/17/2025	4/21/2025	8/5/2025	1/17/2025	4/21/2025	8/4/2025	8/6/2025
Groundwater Elevation, ft amsl			605.16	608.15	603.22	596.12	598.22	594.06	593.11	593.96	592.97	587.54	588.15	586.39	593.17	593.68	593.13	582.03
Appendix III																		
Boron, µg/L	63.4		22.9	38.6	29.8	7310	6,350	6,750 P6	1530	1,570	1,570	5270	4,780	5,270	809	4,290	3,870	88.7
Calcium, µg/L	197,000		148,000 P6	105,000	163,000 P6	96,500	98,700	107,000	51400	47,900	47,600	145000	139,000	143,000	97,400	440,000	105,000	90,300
Chloride, mg/L	520		385	98.5	533 M0	19.8 J, D3	21.7	21.5	18.5	17.5	17.2	24.8	23.2	20.3	28.9	28.9	28.6	14.5
Fluoride, mg/L	0.95		<0.48 D3	<0.48 D3	<0.95 D3	<0.95 D3	0.19 J	<0.19 D3	0.74	0.72	0.65	<0.48 D3	<0.094	<0.095	0.86 J, D3	0.88	0.87	0.13 J
Field pH, Std. Units	7.40		7.01	7.30	6.95	7.49	7.58	7.44	7.78	7.96	7.83	6.79	6.04	6.83	7.60	7.76	7.63	6.99
Sulfate, mg/L	37.3		19.2	9.4 J, D3	22.7	182	185	184	85.4	73.9	78.2	<2.2 D3	<0.43	0.94 J	89.7	87.7	83.9	59.8
Total Dissolved Solids, mg/L	1,310		998	546	1,310	330	576	626	338	332	352	684	737	696	416	412	426	462
Appendix IV	**UTL**	**GPS**																
Antimony, µg/L	DQ	6	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.30 D3	<0.15	0.17 J
Arsenic, µg/L	1.45	10	<0.28	<0.28	<0.28	1.7	1.6	1.8	8.1	8.5	7.1	26.6	24.4	22.8	3.0	7.9	1.5	1.2
Barium, µg/L	227	2,000	133	113	154	31.9	24.2	24.9	55.6	53.3	48.3	121	122	100	92	314	83.7	193
Beryllium, µg/L	DQ	4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.54 J	1.6 J, D3	<0.25	<0.25
Cadmium, µg/L	DQ	5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.38 J, D3	<0.15	<0.15
Chromium, µg/L	5.06	100	2.3 J	1.9 J	2.7 J	2.4 J	<1.0	<1.0	2.0 J	<1.0	<1.0	5.4	3.1 J	1.5 J	18.7	49.8	6.0	<1.0
Cobalt, µg/L	2.16	6	0.13 J	<0.12	<0.12	0.75 J	0.21 J	0.32 J	0.56 J	0.26 J	<0.12	2.6	2.0	1.7	6.0	16.3	2.1	2.8
Fluoride, mg/L	0.95	4	<0.48 D3	<0.48	<0.95	<0.95 D3	0.19 J	<0.19 D3	0.74	0.72	0.65	<0.48 D3	<0.095	<0.095	0.86 J, D3	0.88	0.87	0.13 J
Lead, µg/L	DQ	15	<0.24	<0.24	<0.24	0.5 J	<0.24	<0.24	0.5 J	<0.24	<0.24	1.7	0.83 J	0.44 J	4.6	13.8	1.5	<0.24
Lithium, µg/L	22.2	40	9.1	2.9	15.1	9.6	8.8	8.60	48.2	49.5	48.8	13.1	10.4	12.5	30.7	119	69.9	2.4
Mercury, µg/L	DQ	2	<0.066	<0.066	<0.099	<0.066	<0.066	<0.099	<0.066	<0.066	<0.099	<0.066	<0.066	<0.099	0.088 J	<0.066	<0.099	<0.099
Molybdenum, µg/L	0.768	100	<0.44	0.48 J	0.47 J	1890	1,820	1,770	338	343	345	7.0	3.8	10.8	367	1840	1,770	3.1
Selenium, µg/L	DQ	50	<0.32	0.45 J	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.35 J	0.38 J	<0.32	<1.6 D3	<0.32	0.76 J
Thallium, µg/L	DQ	2	0.47 J	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.35 J, D3	<0.14	<0.14
Radium 226/228 Combined, pCi/L	2.79	5	1.66	0.818	1.65	2.11	1.41	1.64	2.36	0.775	2.14	2.24	1.35	1.85	3.72	1.88	2.11	2.37

4.4 Blue shaded cell indicates the compliance well result exceeds the UPL or UTL (background) and the Limit of Quantitation (LOQ).

30.8 Yellow highlighted cell indicates the compliance well result exceeds the GPS.

Abbreviations:
UPL = Upper Prediction Limit
UTL = Upper Tolerance Limit
GPS = Groundwater Protection Standard
mg/L = milligrams per liter
µg/L = micrograms per liter
LOD = Limit of Detection
LOQ = Limit of Quantitation

Lab Notes:
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J = Estimated concentration at or above the LOD and below the LOQ.
P6 = Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Notes:
1. An individual result above the UPL does not constitute an SSI above background. See the accompanying report text for identification of statistically significant results.
2. Interwell UPLs calculated based on results from background well 2R-OW. Interwell UPLs and UTLs based on a 1-of-2 retesting approach. The interwell UPLs were updated and the interwell UTLs were generated in June 2025 using data from April 2016 through January 2025.

Last revision by: RM Date: 12/5/2025
Checked by: LH Date: 1/17/2025

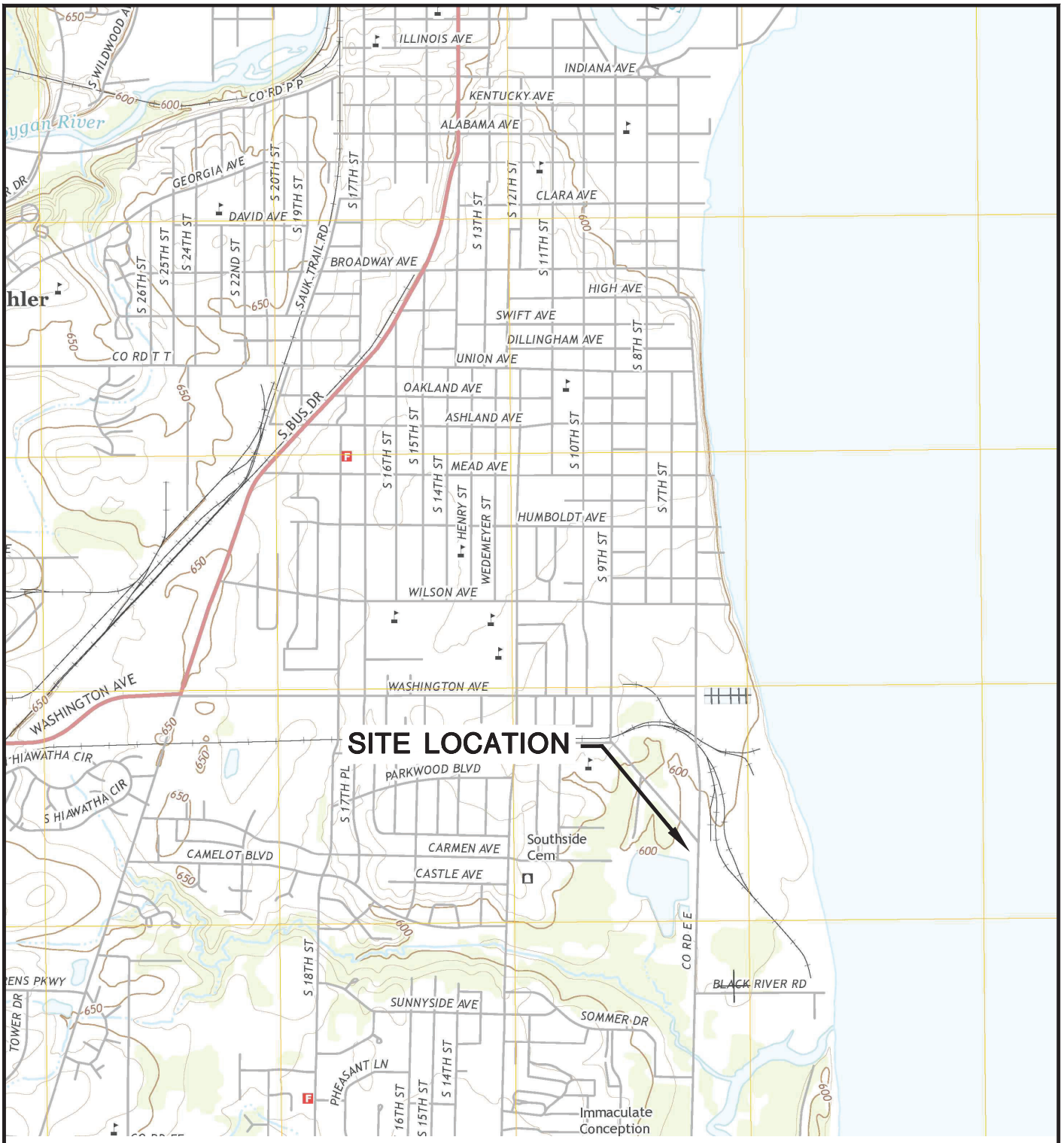
Table 6. Groundwater Field Data Summary
Edgewater 1-4 Closed Ash Disposal Facility / SCS Engineers Project #25225068.00

Well	Sample Date	Groundwater Elevation (ft amsl)	Field Temperature (deg C)	Field pH (Std. Units)	Oxygen, Dissolved (mg/L)	Field Specific Conductance (umhos/cm)	Field Oxidation Potential (mV)	Turbidity (NTU)
MW-301	10/3/2024	594.24	12.9	7.48	1.27	820	813	26.9
	1/3/2025	596.12	7.9	7.49	4.46	832	762	24.9
	4/22/2025	598.22	9.3	7.58	2.59	794	23	30.3
	8/4/2025	594.06	14.3	7.44	1.80	846	-20	33.2
MW-302	10/3/2024	593.01	14.4	7.74	1.79	489	595	15.6
	1/17/2025	593.11	9.6	7.78	0.38	461.8	-44	220
	4/22/2025	593.96	10.2	7.96	1.02	450	-33	37.8
	8/4/2025	592.97	14.5	7.83	0.46	506	-93	6.35
MW-303	10/3/2024	586.70	16.1	6.76	1.21	1,140	519	38.7
	1/17/2025	587.54	9.4	6.49	4.19	1,116	-69	270
	4/22/2025	588.15	8.5	7.04	3.95	1135	-64	196
	8/5/2025	586.39	14.3	6.83	3.84	1116	-63	40.3
MW-304	10/3/2024	593.16	16.6	7.42	2.33	575	644	462
	11/4/2024	593.13	11.4	7.77	0.32	522.7	111	34.4
	12/4/2024	592.82	5.80	7.62	2.71	577	603	--
	1/17/2025	593.17	9.8	7.60	0.64	498.6	-31	--
	4/22/2025	593.68	9.6	7.76	0.85	512	60	--
	8/4/2025	593.13	16.7	7.63	1.75	591	-32	327
MW-305	8/6/2025	582.03	14.4	6.99	2.94	810	22	5.22
2R-OW	10/3/2024	602.63	15.6	7.10	--	2470	--	--
	1/17/2025	605.16	9.4	7.01	4.64	1948	37	14.0
	4/23/2025	608.15	7.4	7.30	2.89	950	106	4.95
	8/5/2025	603.22	13.5	6.95	1.5	2024	16	6.92

Abbreviations:
mg/L = milligrams per liter
ft amsl = feet above mean sea level
NTU = Nephelometric Turbidity Unit
µmhos/cm = micromhos per centimeter
deg C = Degrees Celsius
mV = millivolts
-- = Not analyzed

Created by:	NDK	Date:	9/19/2022
Last revision by:	LH	Date:	11/12/2025
Checked by:	RM	Date:	12/4/2025

Figures



N

SHEBOYGAN FALLS QUADRANGLE
WISCONSIN–SHEBOYGAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
2015
SCALE: 1" = 2,000'

CLIENT	ALLIANT ENERGY	SITE	WISCONSIN POWER AND LIGHT EDGEWATER I–43 (CLOSED) ASH DISPOSAL FACILITY SHEBOYGAN, WISCONSIN
			SITE LOCATION MAP

PROJECT NO.	25221068.00	DRAWN BY:	AHB
DRAWN:	02/08/16	CHECKED BY:	JR
REVISED:	02/09/16	APPROVED BY:	TK, 3/14/2022

ENGINEER

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718–6751
PHONE: (608) 224–2830

FIGURE
1

I:\25215135\Drawings\I-43\Site Loc.dwg, 2/9/2016 11:19:54 AM

LEGEND

- ABANDONED LEACHATE HEAD WELL
- ABANDONED MONITORING WELL
- ABANDONED STAFF GAUGE
- UPGRADIENT WELL (CCR AND STATE MONITORING PROGRAMS)
- CCR MONITORING WELL
- LEACHATE HEAD WELL
- MONITORING WELL
- PIEZOMETER
- CLOSED LANDFILL LIMITS
- DESIGN MANAGEMENT ZONE, WISCONSIN NR 140
- RAILROAD TRACK
- CCR UNIT
- 610 MAJOR TOPOGRAPHIC CONTOUR (10FT INTERVAL)
- MINOR TOPOGRAPHIC CONTOUR– (2FT INTERVAL

NOTES

1. IMAGERY SOURCE: VANTOR. DATE: 05/11/2025.

2. COORDINATE SYSTEM: NAD 1983 (2011) STATEPLANE WISCONSIN SOUTH FIPS 4803 (US FEET).

3. RAILROAD DATA FROM BUREAU OF TRANSPORTATION STATISTICS (BTS); FEDERAL RAILROAD ADMINISTRATION (FRA).

4. PARCEL DATA FROM SHEBOYGAN COUNTY GIS.

5. EXISTING TOPOGRAPHIC CONTOURS WITHIN THE CLOSED LANDFILL AND CCR UNIT BASED ON THE CONSTRUCTION DOCUMENTATION DRAWINGS FOR THE SUFACE IMPOUNDMENT CLOSURE AT THE EDGEWATER GENERATING STATION PREPARED BY SCS ENGINEERS DATED AUGUST 2021. EXISTING TOPOGRAPHIC CONTOURS OUTSIDE EH CLOSED LANDFIL AND CCR UNIT FROM SHEBOYGAN COUNTY GIS AND REPRESENT 2019 GRADES.

6. DESIGN MANAGEMENT ZONE LOCATION IS APPROXIMATE.

7. CCR MONITORING WELL INSTALLATION SUMMARY: MONITORING WELLS MW–301, MW–302 AND MW–303 WERE INSTALLED BY BADGER STATE DRILLING BETWEEN JANUARY 14 AND FEBRUARY 4, 2016. THESE WELLS WERE SURVEYED BY CQM, INC. OF GREEN BAY, WI ON FEBRUARY 12, 2016. MONITORING WELL MW–304 WAS INSTALLED BY HORIZON CONSTRUCTION AND EXPLORATION, LLC ON FEBRUARY 5, 2024. THIS WELL WAS SURVEYED BY CEDAR CREEK SURVEYING, LLC OF OOSTBURG, WI ON JUNE 26, 2024. MONITORING WELL MW–305 WAS INSTALLED BY ON–SITE ENVIRONMENTAL SERVICES, INC ON AUGUST 5, 2025. THIS WELL WAS SURVEYED BY CEDAR CREEK SURVEYING, LLC ON AUGUST 6, 2025.

8. MONITORING WELL AND OTHER SAMPLE LOCATIONS ARE APPROXIMATE.

500 0 500 '

SCALE: 1" = 500'

N

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PROJECT NO.	25225068.00	DRAWN BY:	AA
DRAWN:	05/02/2025	CHECKED BY:	NLB 01/20/2026
REVISED:	01/20/2026	APPROVED BY:	TK 01/29/2026

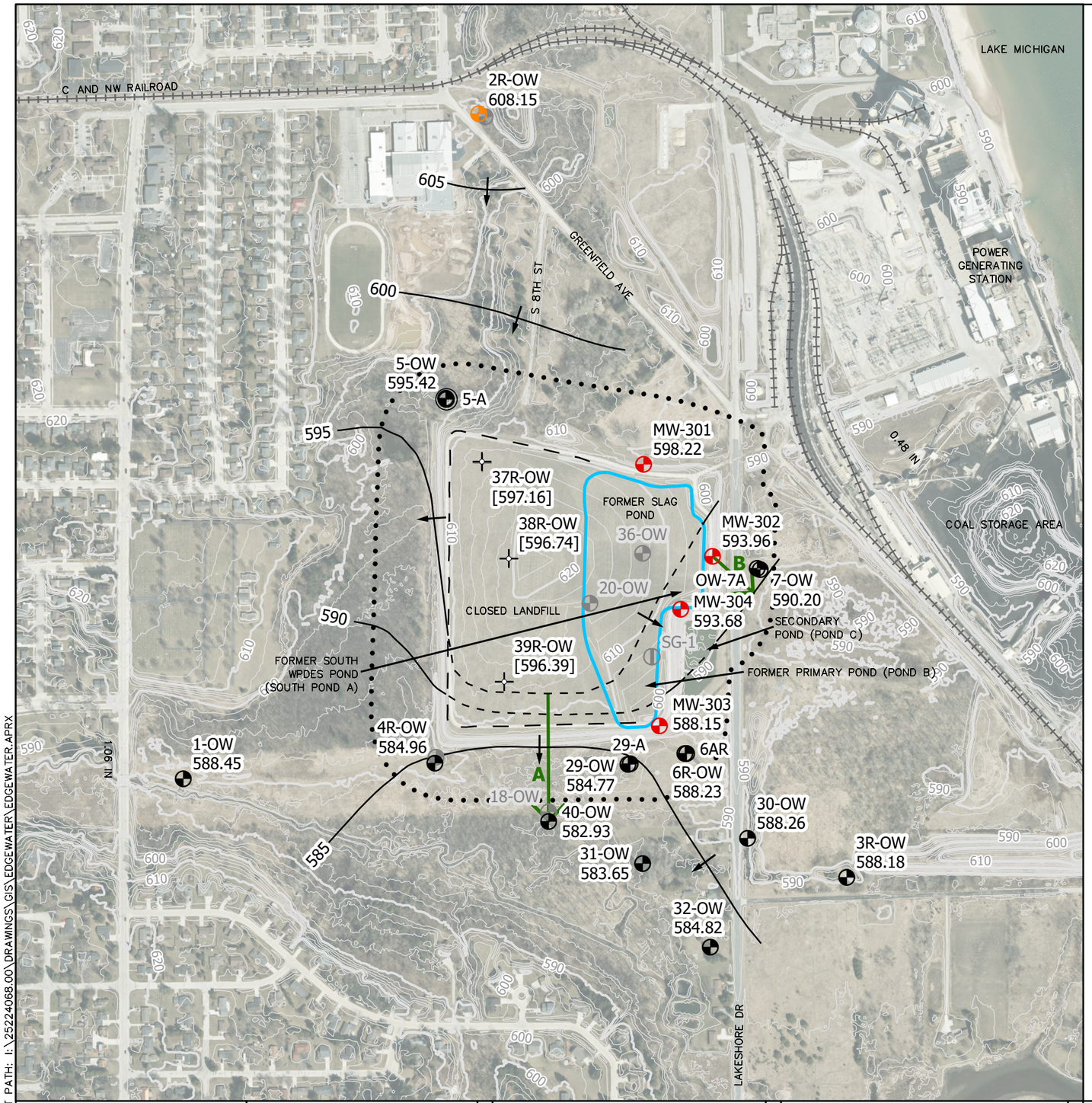
ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718–6751
PHONE: (608) 224–2830

CLIENT: WISCONSIN POWER AND LIGHT
EDGEWATER GENERATING STATION
3739 LAKESHORE DRIVE
SHEBOYGAN, WI 53081

SITE: EDGEWATER POND CLOSURE AREA AND CLOSED LANDFILL
ASH DISPOSAL FACILITY
SHEBOYGAN, WISCONSIN

SITE PLAN

FIGURE 2



LEGEND

- ABANDONED LEACHATE HEAD WELL
- ABANDONED MONITORING WELL
- ABANDONED STAFF GAUGE
- UPGRADIENT WELL (CCR AND STATE MONITORING PROGRAMS)
- RAILROAD TRACK
- CCR UNIT
- CLOSED LANDFILL LIMITS
- DESIGN MANAGEMENT ZONE, WISCONSIN NR 140
- FLOW PATH FOR VELOCITY CALCULATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 610 MAJOR TOPOGRAPHIC CONTOUR (10FT INTERVAL)
- MINOR TOPOGRAPHIC CONTOUR– (2FT INTERVAL
- 5 FT GROUNDWATER ELEVATION CONTOUR (FT MSL)
- INFERRED
- INTERPOLATED
- [596.33] WATER TABLE ELEVATION WITHIN LANDFILL (APRIL 23, 2025)
- 593.16 WATER TABLE ELEVATION (APRIL 23, 2025)
- CCR MONITORING WELL
- LEACHATE HEAD WELL
- MONITORING WELL
- PIEZOMETER

NOTES

1. IMAGERY SOURCE: SHEBOYGAN COUNTY. DATE: 04/10/2022.
2. COORDINATE SYSTEM: NAD 1983 (2011) STATEPLANE WISCONSIN SOUTH FIPS 4803 (US FEET).
3. RAILROAD DATA FROM BUREAU OF TRANSPORTATION STATISTICS (BTS); FEDERAL RAILROAD ADMINISTRATION (FRA).
4. STATE MONITORING PROGRAM WELL LOCATIONS ARE APPROXIMATE AND ARE BASED ON OCTOBER 2011 WATER TABLE MAP PREPARED BY TRC.
5. DESIGN MANAGEMENT ZONE LOCATION IS APPROXIMATE.
6. STATE MONITORING WELLS: 5A, 5–OW, 37R–OW, 38R–OW, 7–OW, 7A, 1–OW, 4R–OW, 40–OW, 31–OW, 30–OW, 6R–OW, 6AR, 6B, 29–OW, 29A, 3R–OW, 32–OW.
7. CCR BACKGROUND MONITORING WELLS: 2R–OW.
8. CCR MONITORING WELLS: MW–301, MW–302, MW–303 AND MW–304.
9. WELL INSTALLATION AND SURVEY INFORMATION, SEE SITE PLAN FIGURE 2 NOTES.
10. WATER LEVELS MEASURED ON APRIL 22 AND 23, 2025.

500 0 500 '

SCALE: 1" = 500'

N

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PROJECT NO.	25225068.00	DRAWN BY:	AA
DRAWN:	05/02/2025	CHECKED BY:	NLB 01/20/2026
REVISED:	01/20/2026	APPROVED BY:	TK 01/29/2026

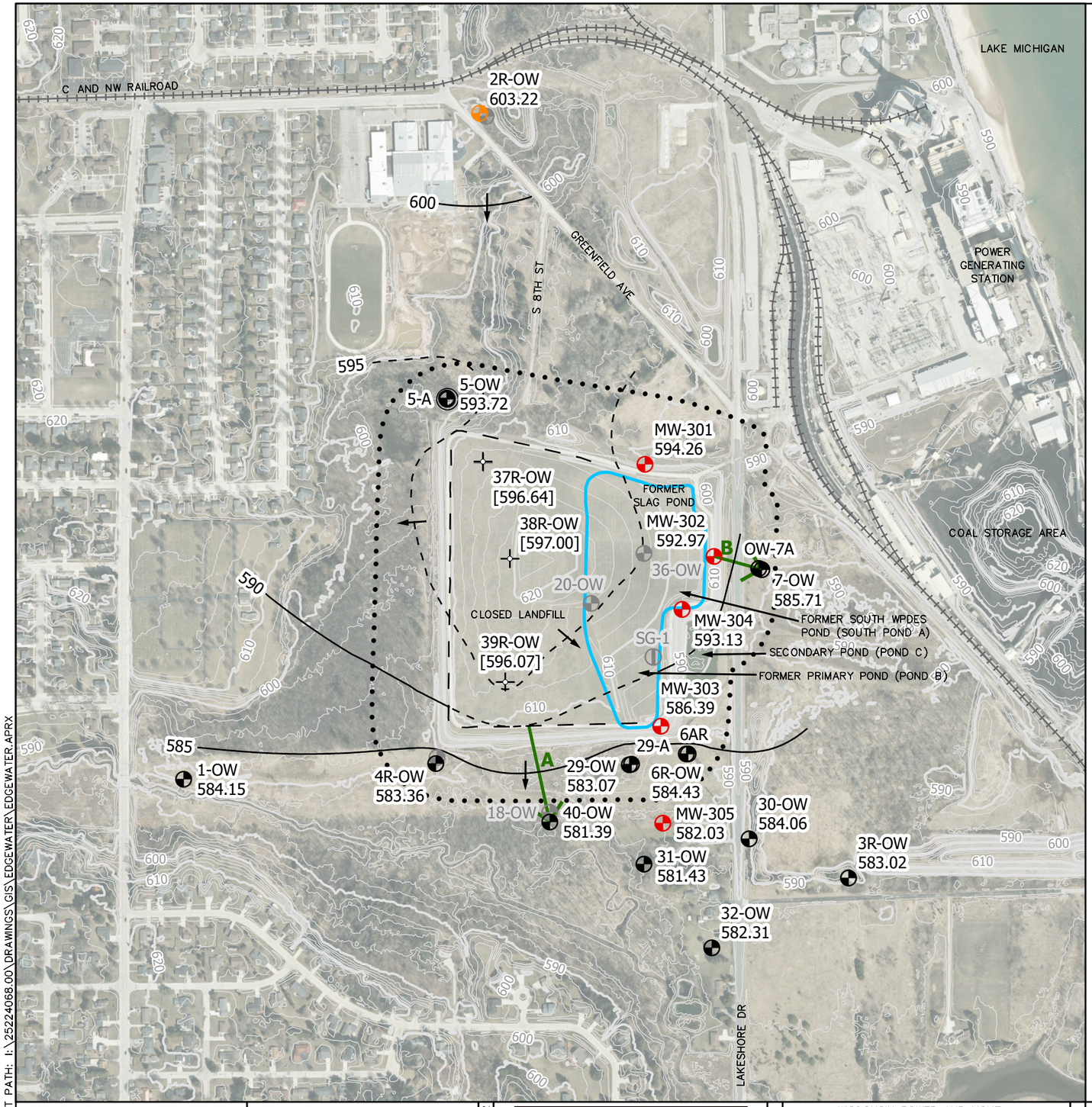
ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718–6751
PHONE: (608) 224–2830

CLIENT: WISCONSIN POWER AND LIGHT
EDGEWATER GENERATING STATION
3739 LAKESHORE DRIVE
SHEBOYGAN, WI 53081

SITE: EDGEWATER POND CLOSURE AREA AND CLOSED LANDFILL
ASH DISPOSAL FACILITY
SHEBOYGAN, WISCONSIN

WATER TABLE MAP
APRIL 2025

FIGURE 3



LEGEND

- ABANDONED LEACHATE HEAD WELL
- ABANDONED MONITORING WELL
- ABANDONED STAFF GAUGE
- UPGRADIENT WELL (CCR AND STATE MONITORING PROGRAMS)
- RAILROAD TRACK
- CCR UNIT
- CLOSED LANDFILL LIMITS
- DESIGN MANAGEMENT ZONE, WISCONSIN NR 140
- FLOW PATH FOR VELOCITY CALCULATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 610 MAJOR TOPOGRAPHIC CONTOUR (10FT INTERVAL)
- MINOR TOPOGRAPHIC CONTOUR (2FT INTERVAL)
- 5 FT GROUNDWATER ELEVATION CONTOUR (FT MSL)
- INFERRED
- INTERPOLATED
- [596.64] WATER TABLE ELEVATION WITHIN LANDFILL (AUGUST 4–5, 2025)
- 593.13 WATER TABLE ELEVATION (AUGUST 4–7, 2025)
- CCR MONITORING WELL
- LEACHATE HEAD WELL
- MONITORING WELL
- PIEZOMETER

NOTES

1. IMAGERY SOURCE: MAXAR. DATE: 05/11/2025.
2. COORDINATE SYSTEM: NAD 1983 (2011) STATEPLANE WISCONSIN SOUTH FIPS 4803 (US FEET).
3. RAILROAD DATA FROM BUREAU OF TRANSPORTATION STATISTICS (BTS); FEDERAL RAILROAD ADMINISTRATION (FRA).
4. STATE MONITORING PROGRAM WELL LOCATIONS ARE APPROXIMATE AND ARE BASED ON OCTOBER 2011 WATER TABLE MAP PREPARED BY TRC.
5. DESIGN MANAGEMENT ZONE LOCATION IS APPROXIMATE.
6. STATE MONITORING WELLS: 5A, 5–OW, 37R–OW, 38R–OW, 7–OW, 7A, 1–OW, 4R–OW, 40–OW, 31–OW, 30–OW, 6R–OW, 6AR, 6B, 29–OW, 29A, 3R–OW, 32–OW.
7. CCR BACKGROUND MONITORING WELLS: 2R–OW.
8. CCR MONITORING WELLS: MW–301, MW–302, MW–303, MW–304, MW–305.
9. WELL INSTALLATION AND SURVEY INFORMATION, SEE SITE PLAN FIGURE 2 NOTES.
10. WATER LEVELS MEASURED ON AUGUST 4–7, 2025.

500 0 500 '

SCALE: 1" = 500'

N

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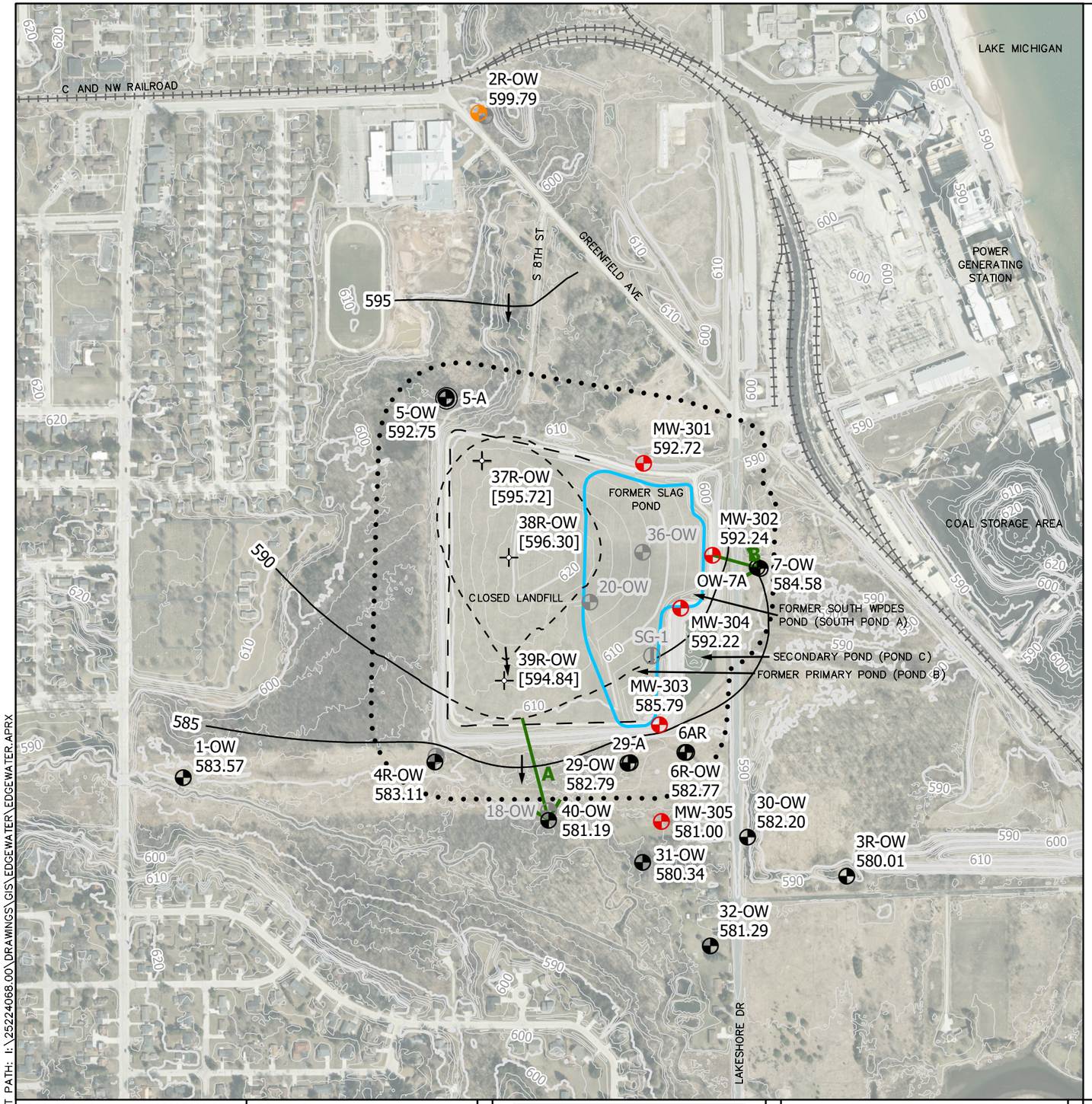
PROJECT NO.	25225068.00	DRAWN BY:	AA	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830	CLIENT	WISCONSIN POWER AND LIGHT EDGEWATER GENERATING STATION 3739 LAKESHORE DRIVE SHEBOYGAN, WI 53081	SITE	EDGEWATER POND CLOSURE AREA AND CLOSED LANDFILL ASH DISPOSAL FACILITY SHEBOYGAN, WISCONSIN	WATER TABLE MAP AUGUST 2025	FIGURE 4
DRAWN:	08/13/2025	CHECKED BY:	NLB 01/20/2026								
REVISED:	01/20/2026	APPROVED BY:	TK 01/29/2026								



LEGEND

- ABANDONED LEACHATE HEAD WELL
- ABANDONED MONITORING WELL
- ABANDONED STAFF GAUGE
- UPGRADIENT WELL (CCR AND STATE MONITORING PROGRAMS)
- RAILROAD TRACK
- CCR UNIT
- CLOSED LANDFILL LIMITS
- DESIGN MANAGEMENT ZONE, WISCONSIN NR 140
- FLOW PATH FOR VELOCITY CALCULATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 610 MAJOR TOPOGRAPHIC CONTOUR (10FT INTERVAL)
- MINOR TOPOGRAPHIC CONTOUR– (2FT INTERVAL
- 5 FT GROUNDWATER ELEVATION CONTOUR (FT MSL)
- INFERRED
- INTERPOLATED
- [596.30] WATER TABLE ELEVATION WITHIN LANDFILL (OCTOBER 7–9, 2025)
- 584.58 WATER TABLE ELEVATION (OCTOBER 7–9, 2025)
- CCR MONITORING WELL
- LEACHATE HEAD WELL
- MONITORING WELL
- PIEZOMETER

NOTES

1. IMAGERY SOURCE: VANTOR. DATE: 05/11/2025.
2. COORDINATE SYSTEM: NAD 1983 (2011) STATEPLANE WISCONSIN SOUTH FIPS 4803 (US FEET).
3. RAILROAD DATA FROM BUREAU OF TRANSPORTATION STATISTICS (BTS); FEDERAL RAILROAD ADMINISTRATION (FRA).
4. STATE MONITORING PROGRAM WELL LOCATIONS ARE APPROXIMATE AND ARE BASED ON OCTOBER 2011 WATER TABLE MAP PREPARED BY TRC.
5. DESIGN MANAGEMENT ZONE LOCATION IS APPROXIMATE.
6. STATE MONITORING WELLS: 5A, 5–OW, 37R–OW, 38R–OW, 7–OW, 7A, 1–OW, 4R–OW, 40–OW, 31–OW, 30–OW, 6R–OW, 6AR, 6B, 29–OW, 29A, 3R–OW, 32–OW.
7. CCR BACKGROUND MONITORING WELLS: 2R–OW.
8. CCR MONITORING WELLS: MW–301, MW–302, MW–303, MW–304, MW–305.
9. WELL INSTALLATION AND SURVEY INFORMATION, SEE SITE PLAN FIGURE 2 NOTES.
10. WATER LEVELS MEASURED ON OCTOBER 7–9, 2025.

500 0 500 '

SCALE: 1" = 500'

N

DOCUMENT PATH: I:\25224068.00\DRAWINGS\GIS\EDGEWATER\EDGEWATER.APRX

PROJECT NO.	25225068.00	DRAWN BY:	AA	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718–6751 PHONE: (608) 224–2830	CLIENT	WISCONSIN POWER AND LIGHT EDGEWATER GENERATING STATION 3739 LAKESHORE DRIVE SHEBOYGAN, WI 53081
DRAWN:	11/14/2025	CHECKED BY:	NLB 01/20/2026				
REVISED:	01/20/2026	APPROVED BY:	TK 01/29/2026			SITE	EDGEWATER POND CLOSURE AREA AND CLOSED LANDFILL ASH DISPOSAL FACILITY SHEBOYGAN, WISCONSIN

WATER TABLE MAP
OCTOBER 2025

FIGURE
5

Appendix A

Summary of the Regional Hydrogeologic Stratigraphy

Table EGS-3. Regional Hydrogeologic Stratigraphy
Edgewater Generating Station / SCS Engineers Project #25215053

Age	Hydrogeologic Unit	General Thickness (feet)	Name of Rock Unit*	Predominant Lithology
Quaternary	Sand and Gravel Aquifer	0 to 235	Surface sand and gravel	Sand and Gravel
		0 to 300	Buried sand and gravel	
Devonian	Niagara Dolomite Aquifer	0 to 750	Dolomite (undifferentiated)	Dolomite
Silurian				
Ordovician	Confining Unit	0 to 400	Maquoketa Shale	Shale and dolomite
	Sandstone Aquifer	100 to 340	Galena Decorah Platteville	Dolomite
		0 to 330	St. Peter	Sandstone
		0 to 140	Prairie du Chien	Dolomite
Cambrian		0 to 3,500?	Trempeleau Franconia Galesville Eau Claire Mt. Simon	Sandstone, some Dolomite and Shale
Precambrian	Not an Aquifer	Unknown	Crystalline Rocks	Igneous and metamorphic rocks

Source:
Skinner, Earl L. and Ronald G. Borman, Water Resources of Wisconsin-Lake Michigan Basin, Department of the Interior United States Geological Survey Hydrogeologic Investigations Atlas HA-432, 1973.

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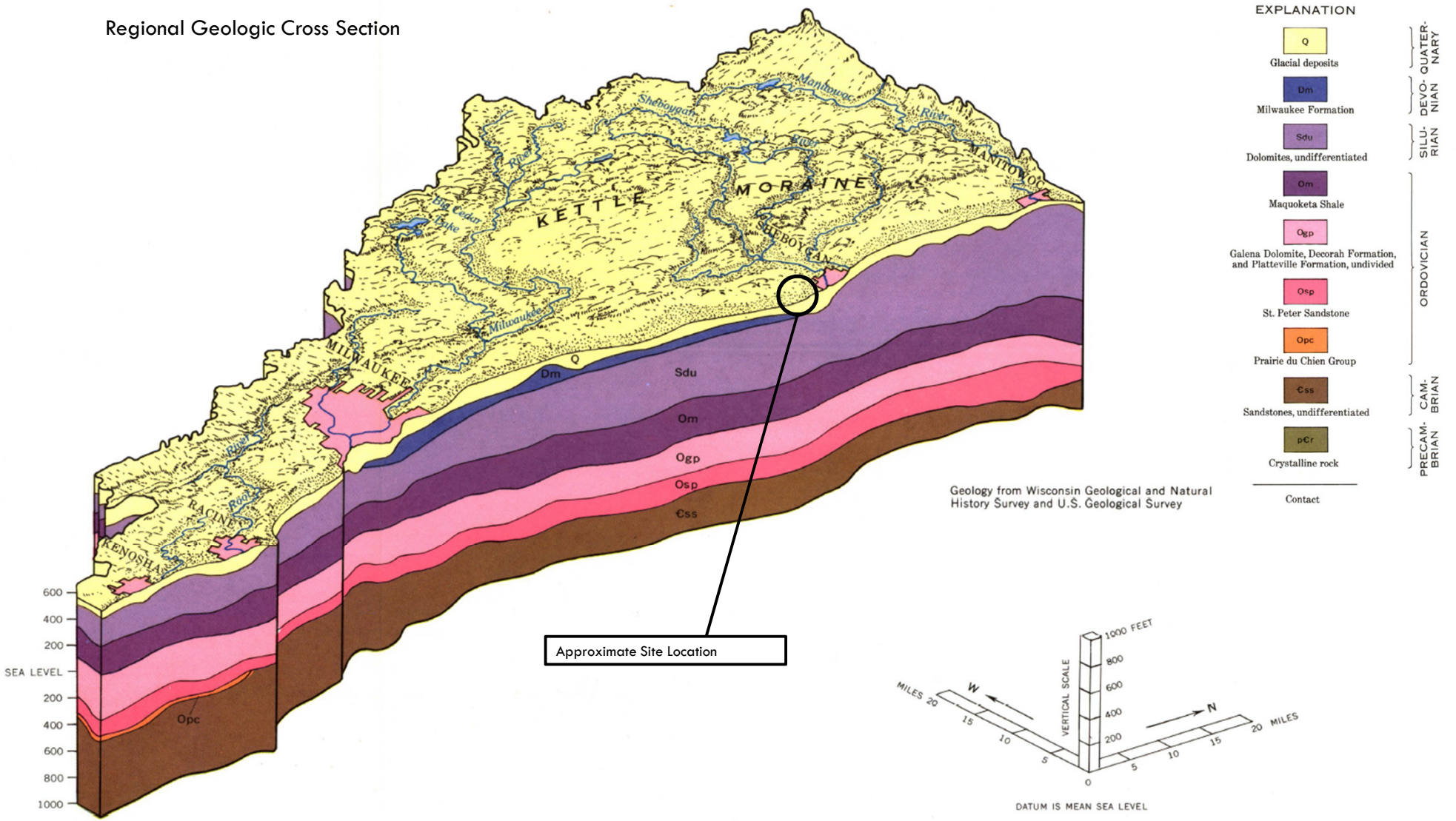
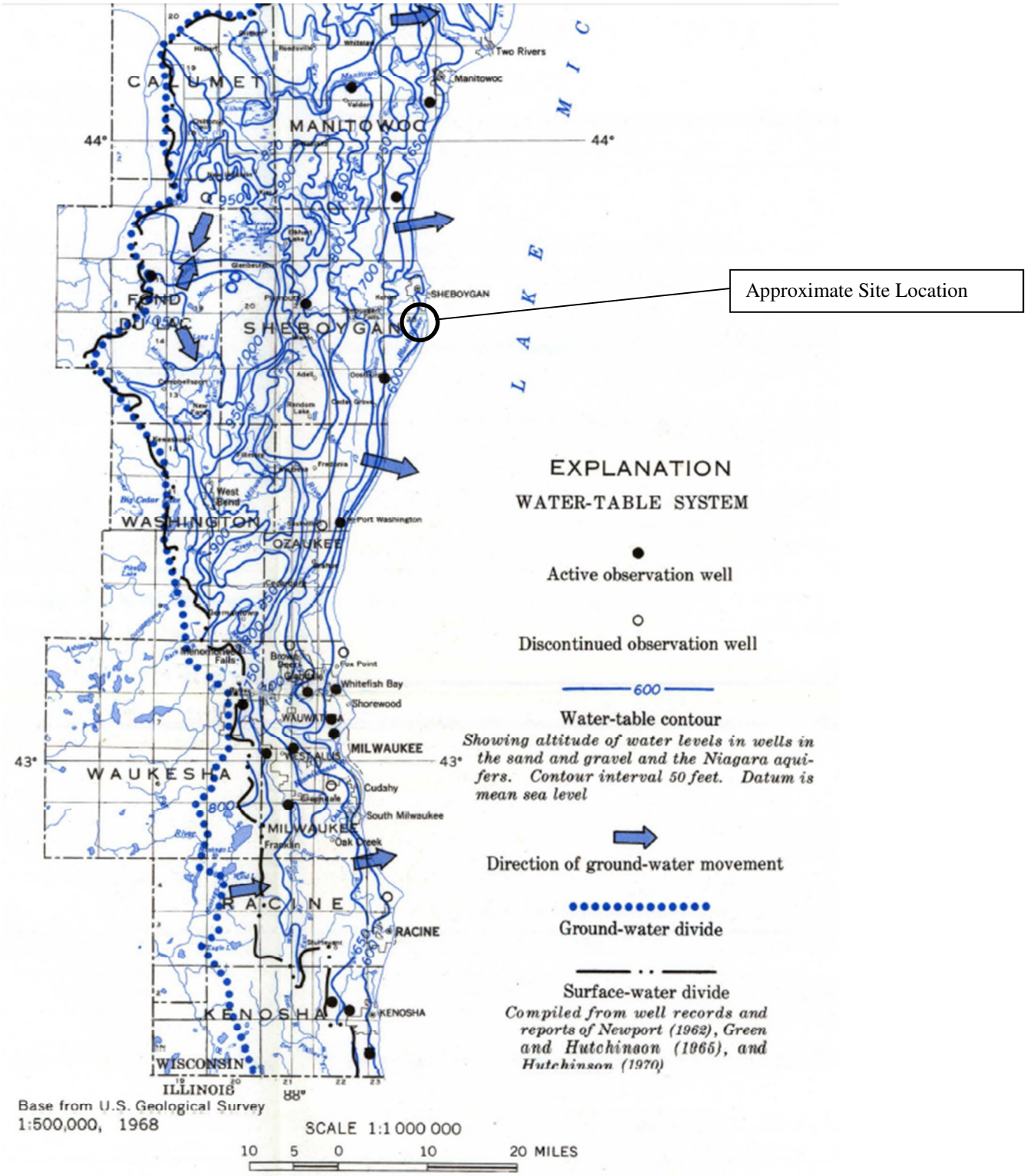
Regional Geologic Cross Section



Source: Skinner, Earl L. and Ronald G. Borman, Water Resources of Wisconsin-Lake Michigan Basin, Department of the Interior United States Geological Survey Hydrogeologic Investigations Atlas HA-432, 1973.

Regional Groundwater Flow Map – Uppermost Aquifer



Source: Skinner, Earl L. and Ronald G. Borman, Water Resources of Wisconsin-Lake Michigan Basin, Department of the Interior United States Geological Survey Hydrogeologic Investigations Atlas HA-432, 1973.

Appendix B

Boring Logs and Well Construction Documentation

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Monitoring Well Installation	02524	2R-OW

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
M&K Environmental Drilling. Chief Driller Michael McCardle.	04/29/98	04/29/98	HSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			607.2 Feet MSL	610.3 Feet MSL	8.0 Inches

Boring Location: NW 1/4 of NE 1/4 of Section 2 T 14 N,R 23E
Lat ° ' "
Long ° ' "
Local Grid Location (If applicable): 1772 Feet ☐ S ☒ N 1600 Feet ☐ W ☒ E

County	DNR County Code	Civil Town/City/ or Village
SHEBOYGAN	60	SHEBOYGAN

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			1	TOPSOIL	TS									
			2	LEAN CLAY - moist, stiff, yellowish brown (10YR 5/6), silty sand seams.	CL									
1	18	12	3						12	23.6				
			4											
2	18	22	5	...very stiff.					22	16.6				
			6											
			7											
3	18	46	8	...hard.					46	16.8				
			9											
			10											
4	18	26	11	...wet, very stiff, dark brown (10YR 4/3), occasional sand seams.					26	19.7			98.4	
			12											
5	18	15	13	...moist.					15	22.8				
			14											

NOTES:
1) End of boring at 14.5 feet.
2) Monitoring Well 2R-OW constructed at completion.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Firm: Miller Engineers & Scientists
5308 South 12th Street, Sheboygan, WI 53081
Tel: (920)458-6164 Fax: (920)458-0369

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: WPL Edgewater Site

Facility License, Permit or Monitoring Number: 025524

Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12

Distance Well Is From Waste/Source Boundary: _____ ft.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No

Local Grid Location of Well: 1771.89 ft. ☒ N. ☐ S. 1599.69 ft. ☐ E. ☒ W.

Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.

Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 2, T. 14 N, R. 23 ☒ E. ☐ W.

Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known

Well Name: 2A-OW

Wis. Unique Well Number / DNR Well Number: _____

Date Well Installed: 4/29/98 (m m d d y y)

Well Installed By: (Person's Name and Firm)
Mike McArole
M+K Environmental

A. Protective pipe, top elevation 612.80 ft. MSL
B. Well casing, top elevation 612.72 ft. MSL
C. Land surface elevation 610.3 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ __

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
F. Fine sand, top _____ ft. MSL or 3.5 ft.
G. Filter pack, top _____ ft. MSL or 3.5 ft.
H. Screen joint, top _____ ft. MSL or 4.5 ft.
I. Well bottom _____ ft. MSL or 14.5 ft.
J. Filter pack, bottom _____ ft. MSL or 14.5 ft.
K. Borehole, bottom _____ ft. MSL or 14.5 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ___.__ in.
b. Length: ___.__ ft.
c. Material: Steel ☒ 04; Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐ __; Other ☐ __
5. Annular space seal: a. Granular Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☒ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mine 65-75
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. Badger Mine 65-75
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ __
b. Manufacturer Geotech Inc.
c. Slot size: 0.010 in.
d. Slotted length: ___.__ ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Miller Engineers + Scientists

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
WPL Edgewater Site	Sheboygan	ZB-OW
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
02524		

	Before Development	After Development
1. Can this well be purged dry?	☒ Yes ☐ No	
11. Depth to Water (from top of well casing)	a. 5.57 ft.	15.42 ft.
Date	b. 5 / 04 / 98 (m m d d y y)	5 / 08 / 98 (m m d d y y)
Time	c. 11 : 05 ☒ a.m. ☐ p.m.	10 : 45 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.5 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☒ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 90 min.

4. Depth of well (from top of well casisng) 16.5 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 30.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Well were developed over 3 days due to slow recovery. Volume of water removed is total amount removed during the three developments.

Well developed by: Person's Name and Firm

Name: Brian Leidham

Firm: Miller Engineers + Scientists

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Brian Leidham

Print Initials: BJL

Firm: Miller Engineers + Scientists

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
WPL-Edgewater Generating Station SCS#: 25215135.10		MW-301

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin Durst Badger State	1/14/2016	1/14/2016	4 1/4 Hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VV862		MW-301	13.7 Feet	601.95 Feet	8.5 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 632,741 N, 2,573,429 E S/C/N
NE 1/4 of NW 1/4 of Section 2, T 14 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Shawano	59	Sheboygan

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Boring already cleared to 8' bgs by hydrovac.										
			2											
			3	Standing water at 3' in existing hydrovac hole and boring at toe of berm.										Standing water at 3 ft bgs in existing hole and boring at toe of berm.
			4											
			5											
			6											
			7											
			8	SILTY CLAY, brown (7.5YR 4/6).										
S1	22	5 7 9 13	9						3.5	M				water @ 11.9 ft bgs after sitting an hour with augers at 20 ft bgs.
			10											
			11		CL-ML									
			12											
			13											
S2	20	7 13 23 21	14	SANDY SILT, grey brown (10YR 4/2).	ML				2.75	W				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: for Joe Larson
Firm: SCS Engineers, 2830 Dairy Drive Madison, WI 53718
Tel: (608) 224-2830
Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-301 Use only as an attachment to Form 4400-122.

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Sample: Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			16	SANDY SILT, grey brown.										
			17											
			18											
S3	20	5 7 18 13	19							W				
			20	Same as above, except brown (7.5 YR 4/6).										
			21											
			22											
			23											
S4	22	2 2 3 4	24							W				
			25		ML									
S5	20	3 3 4 9	26							W				screen 20-25 ft bgs.
			27											
			28											
S6	24	2 2 2 2	29							W				
			30											
S7	24	2 2 4 8	31							W				
			32											
S8	16	2 3 4 5	33							W				
			34											
S9	24	2 2 2 2	35						1.0	M				water at 16.8 ft bgs with augers at 34 ft bgs.
			36	CLAY, grey (7.5YR 4/6).	CL									
				End of boring at 36 ft bgs.										

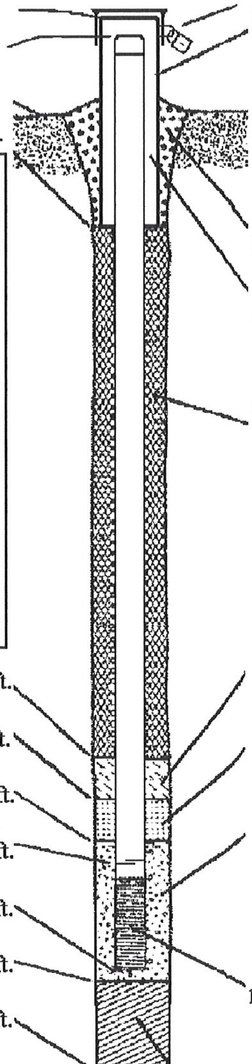
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: WPL-Edgewater Generating Station	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-301
Facility License, Permit or Monitoring No.: 02524	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or	Wis. Unique Well No.: VV862 / DNR Well ID No.: ___
Facility ID: 460021980	St. Plane 632740.8 ft. N, 2573428.5 ft. E. S/C/N	Date Well Installed: 1 / 15 / 2016 (m m / d d / y y y y)
Type of Well: Well Code 12 / PZ	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 02, T. 14 N, R. 23 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Kevin Durst, Badger State Drilling
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient; s ☐ Sidegradient; d ☒ Downgradient; n ☐ Not Known / Gov. Lot Number: ____	



A. Protective pipe, top elevation 604.61 ft. MSL

B. Well casing, top elevation 604.42 ft. MSL

C. Land surface elevation 601.95 ft. MSL

D. Surface seal, bottom 601.45 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0; Hollow Stem Auger ☒ 4 1; Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2; Air ☐ 0 1; Drilling Mud ☐ 0 3; None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): None

E. Bentonite seal, top 601.45 ft. MSL or 0.5 ft.

F. Fine sand, top 585.95 ft. MSL or 16 ft.

G. Filter pack, top 583.95 ft. MSL or 18 ft.

H. Screen joint, top 581.95 ft. MSL or 20 ft.

I. Well bottom 576.95 ft. MSL or 25 ft.

J. Filter pack, bottom 573.95 ft. MSL or 28 ft.

K. Borehole, bottom 565.95 ft. MSL or 36 ft.

L. Borehole, diameter 8.5 in.

M. O.D. well casing 2.04 in.

N. I.D. well casing 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 6.0 in.
   b. Length: 5.0 ft.
   c. Material: Steel ☒ 0 4; Other ☐
   d. Additional protection? ☒ Yes ☐ No
   If yes, describe: Steel Posts -3
3. Surface seal: Bentonite ☒ 3 0; Concrete ☐ 0 1; Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 3 0; Ohio #5 Sand Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 3 3
   b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
   c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 3 1
   d. ____ % Bentonite . . . . . . Bentonite-cement grout ☐ 5 0
   e. ____ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☐ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☑ 3 2
   c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. Ohio #7 ☐
   b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Ohio #5 ☐
   b. Volume added 2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; Other ☐
10. Screen material: 2" dia PVC Sch 40
   a. Screen type: Factory cut ☒ 1 1; Continuous slot ☐ 0 1; Other ☐
   b. Manufacturer Monoflex
   c. Slot size: 0.010 in.
   d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4; 3/8 Bentonite Chips Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature] for Kyle Kramer	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718-6751

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☒ _____

Facility/Project Name	County Name	Well Name
WPL-Edgewater Generating Station	Sheyboygan	MW-301

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
FID 460021980, License #02524	59	VV862	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☒ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 28.05 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 10.93 gal.

7. Volume of water removed from well 12.5 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.23 ft.	27.62 ft.
Date	b. 2/15/2016 (m m d d y y y y)	3/7/2016 (m m d d y y y y)
Time	c. 12:00 ☐ a.m. ☒ p.m.	10:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0. inches	0. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Kyle Last Name: Kramer
Firm: SCS ENGINEERS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Jim Last Name: Jakubiak
Facility/Firm: Wisconsin Power and Light
Street: 3739 Lakeshore Drive
City/State/Zip: Sheyboygan,WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Meghan Blodgett for Kyle Kramer
Firm: SCS ENGINEERS

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
WPL-Edgewater Generating Station SCS#: 25215135.10		MW-302

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin Durst Badger State	1/15/2016	1/15/2016	4-1/4 Hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VV861		MW-302	Feet	612.65 Feet	8.5 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 632,343 N, 2,573,726 E S/C/N
SE 1/4 of NW 1/4 of Section 2, T 14 N, R 23 E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Shawano	59	Sheboygan

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Boring already cleared to 8' bgs by hydrovac.										
			2											
			3											
			4											
			5											
			6											
			7											
			8	SANDY CLAY, various colors (fill).										
S1	16	6 8 11 10	9		CL				2.5/1.75	M				
			10											
			11											
			12											
			13											
S2	16	5 6 11 19	14						3.5	M				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: (608) 224-2830
for Joe Larson	SCS Engineers 2830 Dairy Drive Madison, WI 53718	Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-302 Use only as an attachment to Form 4400-122.

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			16	SANDY CLAY, (fill).	CL									
			17											
			18											
S3	16	6 7 9 12	19						3.25	M				
			20	CLAY, dark brown, some gravel and fill (topsoil).	CL									
			21											
			22	LEAN CLAY, brown (7.5YR 4/6).										
			23											
S4	24	4 7 10 13	24						2.75	M				
			25		CL									
			26											
			27											
			28											
S5	24	6 6 7 8	29	SANDY SILT, brown (7.5YR 4/6).					1.5	W				
			30											
S6	12	5 7 8 8	31											
			32											
S7	22	2 2 4 9	33											
			34		ML									
S8	24	2 2 4 7	35	6 inch sandier zone at 35-35.5 ft bgs, soil less cohesive, more water.										
			36											
S9	24	2 2 2 4	37							W				
			38											
S10	24	2 2 4 6	39											water at 17.8 ft bgs after well installation.
			40	End of boring at 40 ft bgs.										

SCS # 25215135.10

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: WPL-Edgewater Generating Station	Local Grid Location of Well: ___ ft. ☐N ☐S ___ ft. ☐E ☐W	Well Name: MW-302
Facility License, Permit or Monitoring No.: 02524	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: VV861 ___ ___ ___ DNR Well ID No.: ___ ___ ___
Facility ID: 460021980	St. Plane 632342.6 ft. N, 2573726.3 ft. E. S/C/N	Date Well Installed: 1 / 15 / 2016 (m m d d y y y y)
Type of Well: Well Code 12 / PZ	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 02, T. 14 N, R. 23 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Kevin Durst; Badger State Drilling
Distance from Waste/Source ___ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation 615.35 ft. MSL
B. Well casing, top elevation 615.15 ft. MSL
C. Land surface elevation 612.65 ft. MSL
D. Surface seal, bottom 612.15 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

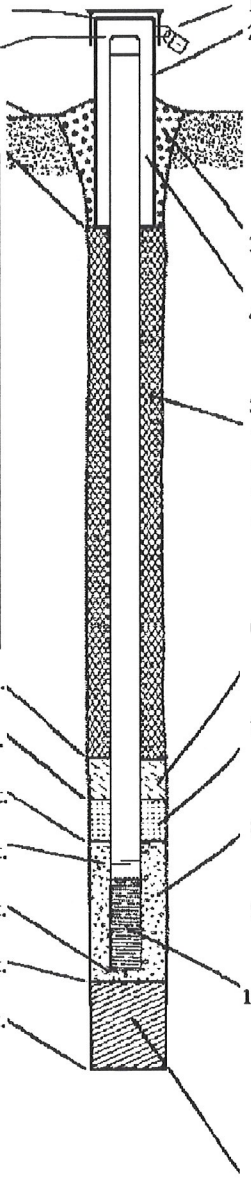
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ___

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top 612.15 ft. MSL or 0.5 ft.
F. Fine sand, top 584.15 ft. MSL or 28.5 ft.
G. Filter pack, top 582.15 ft. MSL or 30.5 ft.
H. Screen joint, top 580.15 ft. MSL or 32.5 ft.
I. Well bottom 575.15 ft. MSL or 37.5 ft.
J. Filter pack, bottom 572.65 ft. MSL or 40 ft.
K. Borehole, bottom 572.65 ft. MSL or 40 ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.4 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☒ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04; Other ☐ ___
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Steel posts
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30; Ohio #5 Sand; Other ☐ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☒ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☑ 32
c. ___ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio #7 sand ☐
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5 sand ☐
b. Volume added 2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___
10. Screen material: ___
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; 2" dia sch 40 PVC; Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: for Kyle Kramer | Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718-6751

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
WPL-Edgewater Generating Station	Sheyboygan	MW-302

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
FID 460021980, License #02524	59	VV861	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☒ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 150 min.

4. Depth of well (from top of well casisng) 36.15 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 96. gal.

7. Volume of water removed from well 135.0 gal.

8. Volume of water added (if any) ____. gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 19.14 ft.	____. ft.
Date	b. 2/15/2016 (m m d d y y y y)	2/15/2016 (m m d d y y y y)
Time	c. 1:35 ☐ a.m. ☒ p.m.	4:05 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ____. mg/l ____. mg/l

15. COD ____. mg/l ____. mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Kyle Last Name: Kramer
Firm: SCS ENGINEERS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Jim Last Name: Jakubiak
Facility/Firm: Wisconsin Power and Light
Street: 3739 Lakeshore Drive
City/State/Zip: Sheyboygan,WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Meghan Blodgett for Kyle Kramer
Firm: SCS ENGINEERS

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
WPL-Edgewater Generating Station SCS#: 25215135.10		MW-303

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Kevin Durst Badger State	2/4/2016	2/4/2016	4-1/4 Hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VV860		MW-303	Feet	609.73 Feet	8.5 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 631,609 N, 2,573,497 E S/C/N
SE 1/4 of NW 1/4 of Section 2, T 14 N, R 23 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Shawano	59	Sheboygan

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Boring already cleared to 8' bgs by hydrovac.										
			2											
			3											
			4											
			5											
			6											
			7											
			8	SANDY LEAN CLAY, yellowish brown (10YR 5/4).										
S1	15	5 9 9 12	9		CL				3.0	W				
			10											
			11											
			12											
			13	Same as above except, very dark grayish brown (10YR 3/2).										
S2	18	11 11 12 14	14						>4.5	W				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: (608) 224-2830
for Kyle Kramer	SCS Engineers 2830 Dairy Drive Madison, WI 53718	Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-303 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			16											
			17											
			18	Same as above except, yellowish brown (10YR 5/4).										
S3	20	6 8 13 14	19		CL				2.0	W				
			20											
			21											
			22											
			23	Same as above except, very dark grayish brown (10YR 3/2).										
S4	22	5 8 8 12	24	SANDY SILT, yellowish brown (10YR 5/4).					1.75	W				
			25											
S5	16	8 12 14 17	26							W				
			27											
S6	24	4 5 3 3	28		ML					W				
			29											
S7	24	3 6 9 14	30							W				
			31											
			32											
			33	End of boring at 33 ft bgs.										

SCS # 25215135.10

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: WPL-Edgewater Generating Station	Local Grid Location of Well: ___ ft. ☐N ☐S ___ ft. ☐E ☐W	Well Name: MW-303
Facility License, Permit or Monitoring No.: 02524	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: VV860 / DNR Well ID No.: ___
Facility ID: 460021980	St. Plane 631609.4 ft. N, 2573496.7 ft. E. S/C/N	Date Well Installed: 2 / 4 / 2016 (m m d d y y y y)
Type of Well: Well Code 12 / PZ	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 02, T. 14 N, R. 23 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Kevin Durst / Badger State Drilling
Distance from Waste/Source ___ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation 612.19 ft. MSL
B. Well casing, top elevation 611.99 ft. MSL
C. Land surface elevation 609.73 ft. MSL
D. Surface seal, bottom 609.23 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

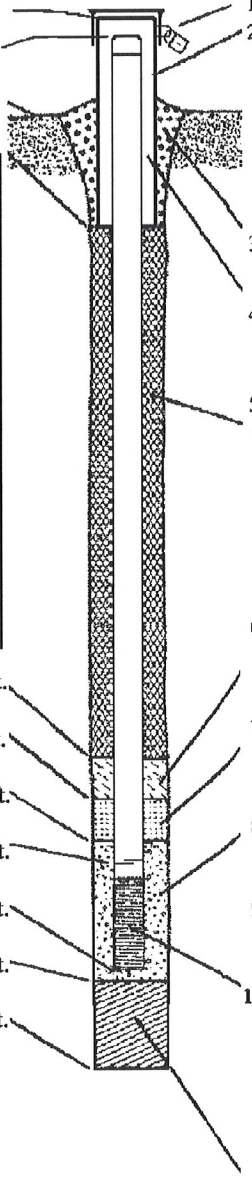
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ___

17. Source of water (attach analysis, if required):
None

E. Bentonite seal, top 609.23 ft. MSL or 0.5 ft.
F. Fine sand, top 587.73 ft. MSL or 22 ft.
G. Filter pack, top 585.73 ft. MSL or 24 ft.
H. Screen joint, top 583.73 ft. MSL or 26 ft.
I. Well bottom 578.73 ft. MSL or 31 ft.
J. Filter pack, bottom 576.73 ft. MSL or 33 ft.
K. Borehole, bottom 576.73 ft. MSL or 33 ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.04 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ___ in.
b. Length: ___ ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☐ No
If yes, describe: Steel Posts-3
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☐ ___
Ohio #5 sand
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☑ 32
c. ___ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Ohio #7 sand ☐
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Ohio #5 ☐
b. Volume added 1.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___
10. Screen material: sch PVC 40
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
for Kyle Kramer	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718-6751

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
WPL-Edgewater Generating Station	Sheyboygan	MW-303

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
FID 460021980, License #02524	59	VV860	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☒ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 70 min.

4. Depth of well (from top of well casisng) 33.15 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 8.03 gal.

7. Volume of water removed from well 23.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 23.41 ft.	33.1 ft.
Date	b. 2/4/2016 (mm/dd/yyyy)	3/7/2016 (mm/dd/yyyy)
Time	c. 1:00 ☐ a.m. ☒ p.m.	10:15 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Kyle Last Name: Kramer
Firm: SCS ENGINEERS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Jim Last Name: Jakubiak
Facility/Firm: Wisconsin Power and Light
Street: 3739 Lakeshore Drive
City/State/Zip: Sheyboygan,WI 53081

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Meghan Blodgett for Kyle Kramer
Firm: SCS ENGINEERS

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
WPL - Edgewater Generating Station SCS#: 25223252.00	#02524	MW-304

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Adam Sweet Horizon Construction and Exploration	2/5/2024	2/5/2024	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WF299		MW-304	593.44 Feet MSL	606.78 Feet MSL	8.25 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 632,116 N, 2,573,586 E S/C/N
SE 1/4 of NW 1/4 of Section 2, T 14 N, R 23 E
Lat 43 ° 42 ' 41.56 "
Long 87 ° 42 ' 40.29 "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
460021980	Sheboygan	59	Sheboygan

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1.5	Hydrovac to 8.5' below ground surface. Clay, medium brown.										
			3.0											
S0	0		4.5		CL					M				
			6.0											
			7.5											
			9.0	SILTY CLAY, medium brown.										
S1	21		10.5		CL					M				
			12.0	LEAN CLAY, light brown.										
S2	60		13.5		CL					M				
			15.0											
S3	44		16.5	Same as above but dark brown.	CL					M				
			18.0											
S4	38		19.5							W				Water table at 20' below ground surface
				SILTY CLAY, medium brown.	CL									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	SCS Engineers 2830 Dairy Drive, Madison, WI 53718	Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-304 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
S5	36		21.0		CL					W				
			22.5	Same as above but trace round gravel.	CL									
S6	37		24.0	SILTY CLAY, medium brown.	CL					W				
			25.5	SILT, medium brown, with very fine sand.	ML									
S7	35		27.0	SILT, medium brown.	MH					W				
			28.5	SANDY SILT, medium brown.										
S8	50		30.0							W				
S9	60		31.5		ML					W				
			33.0											
S10	60		34.5							W				
			36.0	Blind drilled 35'-36' below ground surface.	ML									
				End of boring at 36' below ground surface.										

SCS # 25223252.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: WPL - Edgewater Gen. Station	Local Grid Location of Well: ___ ft. ☐N ☐S ___ ft. ☐E ☐W	Well Name: MW-304
Facility License, Permit or Monitoring No.: 02524	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. W8°42'40.291" Long. N43°42'41.551" or	Wis. Unique Well No.: WF299 DNR Well ID No.:
Facility ID: 460021980	St. Plane 632115.7500 ft. N, 23573586.4940 ft. E. S/C/N	Date Well Installed: 02 / 05 / 2024 (m m d d y y y y)
Type of Well: Well Code 12 / PZ	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 02, T. 14 N, R. 23 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Adam Sweet; Horizon Construction and Exploratic
Distance from Waste/Source ___ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 609.36 ft. MSL
B. Well casing, top elevation 609.24 ft. MSL
C. Land surface elevation 606.78 ft. MSL
D. Surface seal, bottom 604.78 ft. MSL or 2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☒ Yes ☐ No

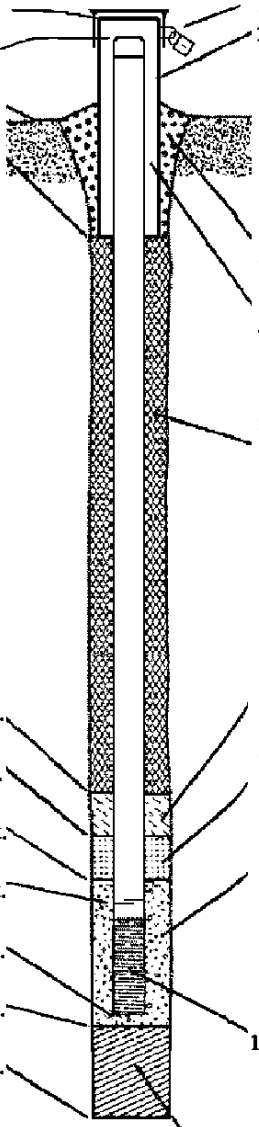
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe --

17. Source of water (attach analysis, if required):
--

E. Bentonite seal, top 604.78 ft. MSL or 2 ft.
F. Fine sand, top 578.28 ft. MSL or 28.5 ft.
G. Filter pack, top 577.78 ft. MSL or 29 ft.
H. Screen joint, top 576.78 ft. MSL or 30 ft.
I. Well bottom 571.78 ft. MSL or 35 ft.
J. Filter pack, bottom 570.78 ft. MSL or 36 ft.
K. Borehole, bottom 570.78 ft. MSL or 36 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.4 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Steel bumper posts
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒
#40 filter Sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 20 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☑ 32
c. ___ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15 filter sand
b. Volume added 0.25 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40 filter sand
b. Volume added 2 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☐ 14
Red Flint #40 filter sand Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718-6751

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SCS # 25223252.00

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
WPL - Edgewater Gen. Station	Sheboygan	MW-304

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
Facility ID: 460021980, Permit: #02524	59	WF299	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 100 min.

4. Depth of well (from top of well casisng) 37.8 ft.

5. Inside diameter of well 2.01 in.

6. Volume of water in filter pack and well casing 87. gal.

7. Volume of water removed from well 75.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.71 ft.	DRY ft.
Date	b. 02/05/2024	03/27/2024
Time	c. 15:25 ☐ a.m. ☒ p.m.	12:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	-- inches	-- inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Dark brown, opaque	Clear ☐ 20 Turbid ☒ 25 (Describe) Dark brown, opaque
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	-- mg/l	4620.0 mg/l
15. COD	-- mg/l	-- mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Matzuk
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

17. Additional comments on development:
2/5/2024 - Surged and purged with bailer for 60 minutes. Removed 30 gallons. Still very turbid with a lot of sediment.
2/9/2024 - Additional 10 gallons removed via bailer.
3/27/2024 - Used pump to remove additional 25 gallons. Well went dry.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Alliant Energy
Street: 4902 Biltmore Lane
City/State/Zip: Madison, WI 53718

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Ryan Matzuk
Print Name: Ryan Matzuk
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Edgewater Closed SCS#: 25225237.00	02524	MW-305

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi, On-site Environmental Services, Inc.	8/5/2025	8/5/2025	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
WF293		MW-305	581.2 Feet MSL	587.39 Feet MSL	8.25 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane 631,187 N, 2,573,504 E S/C/N
NE 1/4 of SW 1/4 of Section 2, T 14 N, R 23 E
Lat 43° 42' 32.41"
Long 87° 42' 41.76"
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
460021980	Sheboygan	60	Sheboygan

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	48		1	SANDY SILT, medium brown, sand is fine grained. Same as above but dark brown.	ML					M				
S2			2–4	POORLY GRADED SAND, light brown, with trace orange color and fine to medium gravel.	SP					M				
S3	38		5	Dark brown wood (6").										
			6–10	POORLY GRADED SAND, fine grained, gray.	SP					W				
S4			9							W				
S5			11							W				
S6	33		12	LEAN CLAY, gray with trace silt.	CL				3.75					
			13–14	POORLY GRADED SAND, fine grained, gray.	SP					W				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	SCS Engineers 2830 Dairy Dr, Madison, WI. 53718	Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-305 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			16	FAT CLAY, gray to tan						W				
S7	41		17		CH				4.25					
			18											
S8			19						3.25	W				
			20	End of boring at 20' below ground surface.										
				Set the well from 16' below ground surface.										

SCS# 25225237.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Edgewater Closed	Local Grid Location of Well: ☐ ft. ☐ N. ☐ S. ☐ ft. ☐ E. ☐ W.	Well Name: MW-305
Facility License, Permit or Monitoring No.: #02524	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 42' 32.412" Long. 87° 42' 41.755" or	Wis. Unique Well No.: WF293 / DNR Well ID No.:
Facility ID: 460021980	St. Plane 631187.152 ft. N, 2573504.409 ft. E. S/C/N	Date Well Installed: 08 / 05 / 2025 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: NE 1/4 of SW 1/4 of Sec. 2, T. 14 N, R. 23 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi / On-site Environmental Services, Inc.
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 590.17 ft. MSL
B. Well casing, top elevation 590.14 ft. MSL
C. Land surface elevation 587.39 ft. MSL
D. Surface seal, bottom 585.39 ft. MSL or 2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

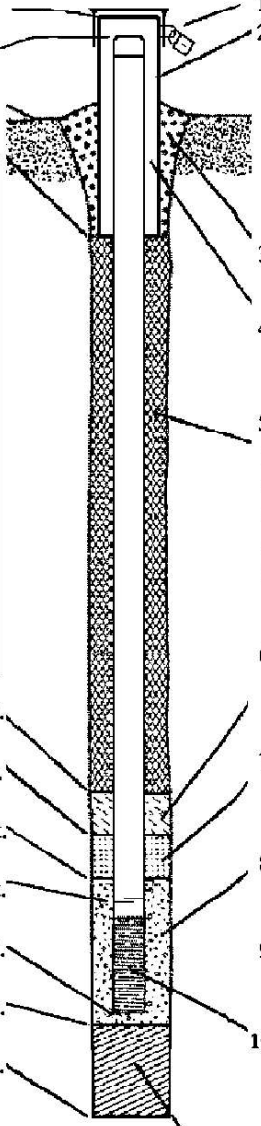
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top 587.39 ft. MSL or 0 ft.
F. Fine sand, top 582.39 ft. MSL or 5 ft.
G. Filter pack, top 581.89 ft. MSL or 5.5 ft.
H. Screen joint, top 581.39 ft. MSL or 6 ft.
I. Well bottom 571.39 ft. MSL or 16 ft.
J. Filter pack, bottom 570.39 ft. MSL or 17 ft.
K. Borehole, bottom 567.39 ft. MSL or 20 ft.
L. Borehole, diameter 8.25" in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.04 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Bollards
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 1.8 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☒ 33
b. ☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. R.W. Sidley 30/100 ☒
b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 1020 ☒
b. Volume added 3 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): 3/8" bentonite chips — None ☐ 14 / Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

25225237

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Edgewater Closed	Sheboygan	MW-305

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02524	60	WF293	

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 120 min.

4. Depth of well (from top of well casisng) 17.9 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 88.0 gal.

7. Volume of water removed from well 75.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	8.37 ft.	8.92 ft.
Date b. (mm/dd/yyyy)	08/05/2025	08/05/2025
Time c.	11:25 ☒ a.m. ☐ p.m.	13:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	. inches	. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Dark Brown	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
14. Total suspended solids	-- mg/l	239.0 mg/l
15. COD	-- mg/l	-- mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Ryan Last Name: Matzuk
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

17. Additional comments on development:
Surged with bailer and pumped intermittently for 120 minutes. Well produced consistent discharge with pump and ran clear. Significant amount of sediment removed during purging.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Megan Last Name: Hawkins
Facility/Firm: WPL - Alliant Energy
Street: 4902 Biltmore Lane
City/State/Zip: Madison, WI 53718

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Ryan Matzuk
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

Appendix C

Laboratory Reports

C1 October 2024 Laboratory Report

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

October 28, 2024

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2024. 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

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 Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40285277001	**MW-301**	Water	10/03/24 09:20	10/05/24 08:55
40285277002	**MW-302**	Water	10/03/24 10:50	10/05/24 08:55
40285277003	**MW-303**	Water	10/03/24 12:05	10/05/24 08:55
40285277004	**MW-304**	Water	10/03/24 13:35	10/05/24 08:55
40285277005	**2R-OW**	Water	10/03/24 14:55	10/05/24 08:55
40285277006	**FIELD BLANK**	Water	10/03/24 15:00	10/05/24 08:55

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40285277001	**MW-301**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			LB	7	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40285277002	**MW-302**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			LB	7	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40285277003	**MW-303**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			LB	7	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40285277004	**MW-304**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			LB	7	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40285277005	**2R-OW**	EPA 6020B	KXS	14	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: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	AJT	1	PASI-G
			LB	4	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40285277006	**FIELD BLANK**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 903.1	REH1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-301 **Lab ID: 40285277001** Collected: 10/03/24 09:20 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:33	7440-36-0	
Arsenic	**2.0**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 14:33	7440-38-2	
Barium	**25.2**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 14:33	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 14:33	7440-41-7	
Boron	**7230**	ug/L	1000	303	100	10/08/24 08:28	10/14/24 13:39	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:33	7440-43-9	
Calcium	**106000**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 14:33	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 14:33	7440-47-3	
Cobalt	**0.26J**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 14:33	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 14:33	7439-92-1	
Lithium	**8.6**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 14:33	7439-93-2	
Molybdenum	**1950**	ug/L	147	44.2	100	10/08/24 08:28	10/14/24 13:39	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 14:33	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 14:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:21	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.48**	Std. Units			1		10/03/24 09:20		
Field Specific Conductance	**820**	umhos/cm			1		10/03/24 09:20		
Oxygen, Dissolved	**1.27**	mg/L			1		10/03/24 09:20	7782-44-7	
REDOX	**812.6**	mV			1		10/03/24 09:20		
Turbidity	**26.9**	NTU			1		10/03/24 09:20		
Static Water Level	**594.24**	feet			1		10/03/24 09:20		
Temperature, Water (C)	**12.9**	deg C			1		10/03/24 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**540**	mg/L	20.0	8.7	1		10/09/24 17:00		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.2**	Std. Units	0.10	0.010	1		10/16/24 17:56		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**18.3**	mg/L	2.0	0.59	1		10/23/24 02:33	16887-00-6	
Fluoride	**0.28J**	mg/L	0.32	0.095	1		10/23/24 02:33	16984-48-8	
Sulfate	**177**	mg/L	20.0	4.4	10		10/23/24 12:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-302 **Lab ID: 40285277002** Collected: 10/03/24 10:50 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 13:51	7440-36-0	
Arsenic	**7.5**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 13:51	7440-38-2	
Barium	**49.9**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 13:51	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 13:51	7440-41-7	
Boron	**1610**	ug/L	10.0	3.0	1	10/08/24 08:28	10/14/24 13:51	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 13:51	7440-43-9	
Calcium	**49200**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 13:51	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 13:51	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 13:51	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 13:51	7439-92-1	
Lithium	**52.2**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 13:51	7439-93-2	
Molybdenum	**360**	ug/L	1.5	0.44	1	10/08/24 08:28	10/14/24 13:51	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 13:51	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 13:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:24	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.74**	Std. Units			1		10/03/24 10:50		
Field Specific Conductance	**489**	umhos/cm			1		10/03/24 10:50		
Oxygen, Dissolved	**1.79**	mg/L			1		10/03/24 10:50	7782-44-7	
REDOX	**595.2**	mV			1		10/03/24 10:50		
Turbidity	**15.6**	NTU			1		10/03/24 10:50		
Static Water Level	**593.01**	feet			1		10/03/24 10:50		
Temperature, Water (C)	**14.4**	deg C			1		10/03/24 10:50		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**338**	mg/L	20.0	8.7	1		10/09/24 17:00		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.3**	Std. Units	0.10	0.010	1		10/16/24 18:01		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**16.4**	mg/L	2.0	0.59	1		10/23/24 02:44	16887-00-6	
Fluoride	**0.67**	mg/L	0.32	0.095	1		10/23/24 02:44	16984-48-8	
Sulfate	**79.9**	mg/L	10.0	2.2	5		10/23/24 12:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-303 **Lab ID: 40285277003** Collected: 10/03/24 12:05 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:37	7440-36-0	
Arsenic	**23.2**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 14:37	7440-38-2	
Barium	**102**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 14:37	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 14:37	7440-41-7	
Boron	**5140**	ug/L	1000	303	100	10/08/24 08:28	10/14/24 13:43	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:37	7440-43-9	
Calcium	**142000**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 14:37	7440-70-2	
Chromium	**1.7J**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 14:37	7440-47-3	
Cobalt	**1.8**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 14:37	7440-48-4	
Lead	**0.42J**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 14:37	7439-92-1	
Lithium	**13.5**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 14:37	7439-93-2	
Molybdenum	**12.8**	ug/L	1.5	0.44	1	10/08/24 08:28	10/14/24 14:37	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 14:37	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 14:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:31	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.76**	Std. Units			1		10/03/24 12:05		
Field Specific Conductance	**1140**	umhos/cm			1		10/03/24 12:05		
Oxygen, Dissolved	**1.21**	mg/L			1		10/03/24 12:05	7782-44-7	
REDOX	**518.8**	mV			1		10/03/24 12:05		
Turbidity	**38.7**	NTU			1		10/03/24 12:05		
Static Water Level	**586.70**	feet			1		10/03/24 12:05		
Temperature, Water (C)	**16.1**	deg C			1		10/03/24 12:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**668**	mg/L	20.0	8.7	1		10/09/24 17:00		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.010	1		10/16/24 18:03		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.2**	mg/L	2.0	0.59	1		10/23/24 02:55	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		10/23/24 02:55	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		10/23/24 02:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-304 **Lab ID: 40285277004** Collected: 10/03/24 13:35 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:42	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 14:42	7440-38-2	
Barium	**97.9**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 14:42	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 14:42	7440-41-7	
Boron	**4160**	ug/L	1000	303	100	10/08/24 08:28	10/14/24 13:47	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:42	7440-43-9	
Calcium	**96000**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 14:42	7440-70-2	
Chromium	**5.9**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 14:42	7440-47-3	
Cobalt	**2.1**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 14:42	7440-48-4	
Lead	**1.7**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 14:42	7439-92-1	
Lithium	**72.0**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 14:42	7439-93-2	
Molybdenum	**2060**	ug/L	147	44.2	100	10/08/24 08:28	10/14/24 13:47	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 14:42	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 14:42	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:33	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.42**	Std. Units			1		10/03/24 13:35		
Field Specific Conductance	**575**	umhos/cm			1		10/03/24 13:35		
Oxygen, Dissolved	**2.33**	mg/L			1		10/03/24 13:35	7782-44-7	
REDOX	**644.3**	mV			1		10/03/24 13:35		
Turbidity	**462**	NTU			1		10/03/24 13:35		
Static Water Level	**593.16**	feet			1		10/03/24 13:35		
Temperature, Water (C)	**16.6**	deg C			1		10/03/24 13:35		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**408**	mg/L	20.0	8.7	1		10/09/24 17:01		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.2**	Std. Units	0.10	0.010	1		10/16/24 18:05		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**25.7**	mg/L	2.0	0.59	1		10/23/24 03:05	16887-00-6	
Fluoride	**0.85**	mg/L	0.32	0.095	1		10/23/24 03:05	16984-48-8	
Sulfate	**92.2**	mg/L	10.0	2.2	5		10/23/24 12:25	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: 2R-OW **Lab ID: 40285277005** Collected: 10/03/24 14:55 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 13:55	7440-36-0	
Arsenic	**0.36J**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 13:55	7440-38-2	
Barium	**177**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 13:55	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 13:55	7440-41-7	
Boron	**33.5**	ug/L	10.0	3.0	1	10/08/24 08:28	10/14/24 13:55	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 13:55	7440-43-9	
Calcium	**193000**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 13:55	7440-70-2	
Chromium	**2.0J**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 13:55	7440-47-3	
Cobalt	**0.98J**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 13:55	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 13:55	7439-92-1	
Lithium	**17.9**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 13:55	7439-93-2	
Molybdenum	**0.54J**	ug/L	1.5	0.44	1	10/08/24 08:28	10/14/24 13:55	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 13:55	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 13:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:36	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.10**	Std. Units			1		10/03/24 14:55		
Field Specific Conductance	**2470**	umhos/cm			1		10/03/24 14:55		
Static Water Level	**602.63**	feet			1		10/03/24 14:55		
Temperature, Water (C)	**15.6**	deg C			1		10/03/24 14:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**1330**	mg/L	20.0	8.7	1		10/09/24 17:01		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.010	1		10/16/24 18:07		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**484**	mg/L	40.0	11.8	20		10/23/24 12:36	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		10/23/24 03:16	16984-48-8	
Sulfate	**26.7**	mg/L	2.0	0.44	1		10/23/24 03:16	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: FIELD BLANK **Lab ID: 40285277006** Collected: 10/03/24 15:00 Received: 10/05/24 08:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:21	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	10/08/24 08:28	10/14/24 14:21	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	10/08/24 08:28	10/14/24 14:21	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	10/08/24 08:28	10/14/24 14:21	7440-41-7	
Boron	**<3.0**	ug/L	10.0	3.0	1	10/08/24 08:28	10/14/24 14:21	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	10/08/24 08:28	10/14/24 14:21	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	10/08/24 08:28	10/14/24 14:21	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	10/08/24 08:28	10/14/24 14:21	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	10/08/24 08:28	10/14/24 14:21	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	10/08/24 08:28	10/14/24 14:21	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	10/08/24 08:28	10/14/24 14:21	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	10/08/24 08:28	10/14/24 14:21	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	10/08/24 08:28	10/14/24 14:21	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	10/08/24 08:28	10/14/24 14:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	10/08/24 06:34	10/10/24 09:38	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**10.0J**	mg/L	20.0	8.7	1		10/15/24 17:18		H1
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**6.9**	Std. Units	0.10	0.010	1		10/16/24 18:15		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		10/21/24 16:46	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		10/21/24 16:46	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		10/21/24 16:46	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 486508 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

METHOD BLANK: 2786308 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	10/10/24 08:28	

LABORATORY CONTROL SAMPLE: 2786309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2786310 2786311

Parameter	Units	40285189001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	5.0	4.9	101	98	85-115	3	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 486504
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

METHOD BLANK: 2786304 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	10/14/24 12:27	
Arsenic	ug/L	<0.28	1.0	10/14/24 12:27	
Barium	ug/L	<0.70	2.3	10/14/24 12:27	
Beryllium	ug/L	<0.25	1.0	10/14/24 12:27	
Boron	ug/L	<3.0	10.0	10/14/24 12:27	
Cadmium	ug/L	<0.15	1.0	10/14/24 12:27	
Calcium	ug/L	<76.2	254	10/14/24 12:27	
Chromium	ug/L	<1.0	3.4	10/14/24 12:27	
Cobalt	ug/L	<0.12	1.0	10/14/24 12:27	
Lead	ug/L	<0.24	1.0	10/14/24 12:27	
Lithium	ug/L	<0.22	1.0	10/14/24 12:27	
Molybdenum	ug/L	<0.44	1.5	10/14/24 12:27	
Selenium	ug/L	<0.32	1.1	10/14/24 12:27	
Thallium	ug/L	<0.14	1.0	10/14/24 12:27	

LABORATORY CONTROL SAMPLE: 2786305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	247	99	80-120	
Arsenic	ug/L	250	256	102	80-120	
Barium	ug/L	250	252	101	80-120	
Beryllium	ug/L	250	254	102	80-120	
Boron	ug/L	250	213	85	80-120	
Cadmium	ug/L	250	256	103	80-120	
Calcium	ug/L	10000	9990	100	80-120	
Chromium	ug/L	250	246	98	80-120	
Cobalt	ug/L	250	249	100	80-120	
Lead	ug/L	250	249	100	80-120	
Lithium	ug/L	250	245	98	80-120	
Molybdenum	ug/L	250	244	98	80-120	
Selenium	ug/L	250	264	105	80-120	
Thallium	ug/L	250	245	98	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2786306 2786307

Parameter	Units	40285156001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	248	254	99	102	75-125	2	20	
Arsenic	ug/L	0.51J	250	250	256	261	102	104	75-125	2	20	
Barium	ug/L	5.5	250	250	259	263	101	103	75-125	1	20	
Beryllium	ug/L	<0.25	250	250	260	260	104	104	75-125	0	20	
Boron	ug/L	18.9	250	250	240	245	89	90	75-125	2	20	
Cadmium	ug/L	<0.15	250	250	258	263	103	105	75-125	2	20	
Calcium	ug/L	22700	10000	10000	31800	32500	91	98	75-125	2	20	
Chromium	ug/L	<1.0	250	250	248	253	99	101	75-125	2	20	
Cobalt	ug/L	<0.12	250	250	245	252	98	101	75-125	3	20	
Lead	ug/L	<0.24	250	250	254	259	102	104	75-125	2	20	
Lithium	ug/L	0.93J	250	250	251	252	100	100	75-125	0	20	
Molybdenum	ug/L	<0.44	250	250	246	252	98	101	75-125	2	20	
Selenium	ug/L	<0.32	250	250	262	264	105	106	75-125	1	20	
Thallium	ug/L	<0.14	250	250	249	257	100	103	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 486702 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005

METHOD BLANK: 2787196 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/09/24 16:58	

LABORATORY CONTROL SAMPLE: 2787197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	582	524	90	80-120	

SAMPLE DUPLICATE: 2787200

Parameter	Units	40285264001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1530	1450	5	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 487239
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285277006

METHOD BLANK: 2790274 Matrix: Water
Associated Lab Samples: 40285277006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	10/15/24 17:20	

LABORATORY CONTROL SAMPLE: 2790275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	582	548	94	80-120	

SAMPLE DUPLICATE: 2790277

Parameter	Units	40285651003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	434	414	5	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 487364
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

SAMPLE DUPLICATE: 2790786

Parameter	Units	40285189001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.5	8.5	0	20	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 487594
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: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005

METHOD BLANK: 2792333 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	10/23/24 00:23	
Fluoride	mg/L	<0.095	0.32	10/23/24 00:23	
Sulfate	mg/L	<0.44	2.0	10/23/24 00:23	

LABORATORY CONTROL SAMPLE: 2792334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.9	105	90-110	
Fluoride	mg/L	2	2.0	102	90-110	
Sulfate	mg/L	20	21.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792335 2792336

Parameter	Units	40285271001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.5	20	20	41.3	41.4	109	109	90-110	0	15	
Fluoride	mg/L	<0.095	2	2	2.1	2.1	103	103	90-110	0	15	
Sulfate	mg/L	15.4	20	20	37.1	37.2	109	109	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 487595
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: 40285277006

METHOD BLANK: 2792337 Matrix: Water
Associated Lab Samples: 40285277006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	10/21/24 14:14	
Fluoride	mg/L	<0.095	0.32	10/21/24 14:14	
Sulfate	mg/L	<0.44	2.0	10/21/24 14:14	

LABORATORY CONTROL SAMPLE: 2792338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.1	105	90-110	
Fluoride	mg/L	2	2.0	100	90-110	
Sulfate	mg/L	20	21.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2792339 2792340

Parameter	Units	40285312002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3800	10000	10000	14400	14700	106	109	90-110	2	15	
Fluoride	mg/L	<9.5	200	200	204	219	100	107	90-110	7	15	
Sulfate	mg/L	<44.4	2000	2000	1940	2130	95	105	90-110	9	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-301 **Lab ID: 40285277001** Collected: 10/03/24 09:20 Received: 10/05/24 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	**-0.794 ± 0.845 (1.78) C:NA T:79%**	pCi/L	10/22/24 14:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.271 ± 0.351 (1.00) C:79% T:86%**	pCi/L	10/25/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.271 ± 1.20 (2.78)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-302 **Lab ID: 40285277002** Collected: 10/03/24 10:50 Received: 10/05/24 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	**-0.112 ± 0.539 (1.09) C:NA T:95%**	pCi/L	10/22/24 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.193 ± 0.285 (1.00) C:80% T:87%**	pCi/L	10/25/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.193 ± 0.824 (2.09)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-303 **Lab ID: 40285277003** Collected: 10/03/24 12:05 Received: 10/05/24 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	**-0.111 ± 0.636 (1.25) C:NA T:97%**	pCi/L	10/22/24 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.359 ± 0.297 (1.00) C:80% T:90%**	pCi/L	10/25/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.359 ± 0.933 (2.25)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: MW-304 **Lab ID: 40285277004** Collected: 10/03/24 13:35 Received: 10/05/24 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	**0.0617 ± 0.401 (1.00) C:NA T:90%**	pCi/L	10/22/24 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.588 ± 0.367 (1.00) C:80% T:85%**	pCi/L	10/25/24 12:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.650 ± 0.768 (2.00)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: 2R-OW **Lab ID: 40285277005** Collected: 10/03/24 14:55 Received: 10/05/24 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	**0.183 ± 0.600 (1.11) C:NA T:86%**	pCi/L	10/22/24 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.642 ± 0.475 (1.00) C:80% T:86%**	pCi/L	10/25/24 15:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.825 ± 1.08 (2.11)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Sample: FIELD BLANK **Lab ID: 40285277006** Collected: 10/03/24 15:00 Received: 10/05/24 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	**0.116 ± 0.819 (1.50) C:NA T:90%**	pCi/L	10/22/24 14:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.405 ± 0.414 (1.00) C:80% T:89%**	pCi/L	10/25/24 15:34	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.521 ± 1.23 (2.50)**	pCi/L	10/28/24 12:45	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 701947
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: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

METHOD BLANK: 3418912 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0451 ± 0.206 (0.486) C:NA T:97%	pCi/L	10/22/24 14:37	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

QC Batch: 701948
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: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

METHOD BLANK: 3418914 Matrix: Water
Associated Lab Samples: 40285277001, 40285277002, 40285277003, 40285277004, 40285277005, 40285277006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0832 ± 0.262 (0.592) C:82% T:86%	pCi/L	10/25/24 12:41	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

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

H1	Analysis conducted outside the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285277001	**MW-301**	EPA 3010A	486504	EPA 6020B	486648
40285277002	**MW-302**	EPA 3010A	486504	EPA 6020B	486648
40285277003	**MW-303**	EPA 3010A	486504	EPA 6020B	486648
40285277004	**MW-304**	EPA 3010A	486504	EPA 6020B	486648
40285277005	**2R-OW**	EPA 3010A	486504	EPA 6020B	486648
40285277006	**FIELD BLANK**	EPA 3010A	486504	EPA 6020B	486648
40285277001	**MW-301**	EPA 7470	486508	EPA 7470	486537
40285277002	**MW-302**	EPA 7470	486508	EPA 7470	486537
40285277003	**MW-303**	EPA 7470	486508	EPA 7470	486537
40285277004	**MW-304**	EPA 7470	486508	EPA 7470	486537
40285277005	**2R-OW**	EPA 7470	486508	EPA 7470	486537
40285277006	**FIELD BLANK**	EPA 7470	486508	EPA 7470	486537
40285277001	**MW-301**				
40285277002	**MW-302**				
40285277003	**MW-303**				
40285277004	**MW-304**				
40285277005	**2R-OW**				
40285277001	**MW-301**	EPA 903.1	701947		
40285277002	**MW-302**	EPA 903.1	701947		
40285277003	**MW-303**	EPA 903.1	701947		
40285277004	**MW-304**	EPA 903.1	701947		
40285277005	**2R-OW**	EPA 903.1	701947		
40285277006	**FIELD BLANK**	EPA 903.1	701947		
40285277001	**MW-301**	EPA 904.0	701948		
40285277002	**MW-302**	EPA 904.0	701948		
40285277003	**MW-303**	EPA 904.0	701948		
40285277004	**MW-304**	EPA 904.0	701948		
40285277005	**2R-OW**	EPA 904.0	701948		
40285277006	**FIELD BLANK**	EPA 904.0	701948		
40285277001	**MW-301**	Total Radium Calculation	705720		
40285277002	**MW-302**	Total Radium Calculation	705720		
40285277003	**MW-303**	Total Radium Calculation	705720		
40285277004	**MW-304**	Total Radium Calculation	705720		
40285277005	**2R-OW**	Total Radium Calculation	705720		
40285277006	**FIELD BLANK**	Total Radium Calculation	705720		
40285277001	**MW-301**	SM 2540C	486702		
40285277002	**MW-302**	SM 2540C	486702		
40285277003	**MW-303**	SM 2540C	486702		
40285277004	**MW-304**	SM 2540C	486702		
40285277005	**2R-OW**	SM 2540C	486702		
40285277006	**FIELD BLANK**	SM 2540C	487239		
40285277001	**MW-301**	EPA 9040	487364		
40285277002	**MW-302**	EPA 9040	487364		
40285277003	**MW-303**	EPA 9040	487364		
40285277004	**MW-304**	EPA 9040	487364		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40285277

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40285277005	**2R-OW**	EPA 9040	487364		
40285277006	**FIELD BLANK**	EPA 9040	487364		
40285277001	**MW-301**	EPA 300.0	487594		
40285277002	**MW-302**	EPA 300.0	487594		
40285277003	**MW-303**	EPA 300.0	487594		
40285277004	**MW-304**	EPA 300.0	487594		
40285277005	**2R-OW**	EPA 300.0	487594		
40285277006	**FIELD BLANK**	EPA 300.0	487595		

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 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

40285277

Scan QR Code for instructions

Company Name:	SCS ENGINEERS	Contact/Report To:	Meghan Blodgett
Street Address:	2830 Dairy Drive Madison, WI 53718	Phone #:	608-216-7362
		E-Mail:	mblodgett@scsengineers.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2522069 EDGEWATER CCR (CLOSED ASH I-4)	Invoice To:	Accounts Payable
		Invoice E-Mail:	aradunzel@scsengineers.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

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

County / State origin of sample(s): Wisconsin

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] 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), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Metals (6020 and 7471)	Radium 226 and 228	TDS, Cl/F/SO4, pH	Sample Comment
MW-301	WT	G			10/3/24	9:20	4			X	X	X	001
MW-302	WT					10:50				X	X	X	002
MW-303	WT					12:05				X	X	X	003
MW-304	WT					13:35				X	X	X	004
2R-OW	WT					14:55				X	X	X	005
FIELD BLANK	WT					1500				X	X	X	006

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) 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: Dan Milewsky
AcctNum / Client ID:
Table #:
Profile / Template: 3946
Prelog / Bottle Ord. ID: EZ 3158328

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Metals=Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Pb,Li,Mo,Se,Tl and Hg

Collected By:
(Printed Name) Will Ouimet
Signature: Will Ouimet

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	141	—	2.0	2.0	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
SCS	10/4/24 1500			
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
CS Logistics	10/5/24 0855		10/5/24 0855	[ ] FedEx [ ] UPS [ ] Other
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_v02_110123 ©

Sample Preservation Receipt Form

Client Name: SCS Project # 402805277

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

Lab Lot# of pH paper: 10D3733 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									1		1															2					X			2.5 / 5
002									1		1															2					X			2.5 / 5
003									1		1															2					X			2.5 / 5
004									1		1															2					X			2.5 / 5
005									1		1															2					X			2.5 / 5
006									1		1															2					X			2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		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

10/5/24 GF

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 plastic HNO3
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40285277

40285277

Client Name: SCS

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 - 141 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

Temp Blank Present: ☑ yes ☐ no **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: 10/5/24 /Initials: GF

Labeled By Initials: KKS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. preserve 10/5/24 GF
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.
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

C2 November 2024 Laboratory Report for MW-304

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

December 03, 2024

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2024. 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

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 Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40287026001	**MW-304**	Water	11/04/24 12:20	11/06/24 09:20
40287026002	**FIELD BLANK**	Water	11/04/24 12:30	11/06/24 09:20

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

SAMPLE ANALYTE COUNT

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40287026001	**MW-304**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40287026002	**FIELD BLANK**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

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

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40287026001	**MW-304**					
EPA 6020B	Arsenic	1.4	ug/L	1.0	11/13/24 09:07	
EPA 6020B	Barium	65.7	ug/L	2.3	11/13/24 09:07	
EPA 6020B	Boron	4430	ug/L	100	11/13/24 08:50	
EPA 6020B	Cadmium	0.16J	ug/L	1.0	11/13/24 09:07	
EPA 6020B	Calcium	87900	ug/L	2540	11/13/24 08:50	P6
EPA 6020B	Chromium	1.3J	ug/L	3.4	11/13/24 09:07	
EPA 6020B	Cobalt	0.67J	ug/L	1.0	11/13/24 09:07	
EPA 6020B	Lead	0.38J	ug/L	1.0	11/13/24 09:07	
EPA 6020B	Lithium	58.4	ug/L	1.0	11/13/24 09:07	
EPA 6020B	Molybdenum	1970	ug/L	14.7	11/13/24 08:50	
EPA 6020B	Thallium	0.46J	ug/L	1.0	11/13/24 09:07	
	Field pH	7.77	Std. Units		11/04/24 12:20	
	Field Specific Conductance	522.7	umhos/cm		11/04/24 12:20	
	Oxygen, Dissolved	0.32	mg/L		11/04/24 12:20	
	REDOX	111.1	mV		11/04/24 12:20	
	Turbidity	34.42	NTU		11/04/24 12:20	
	Static Water Level	593.13	feet		11/04/24 12:20	
	Temperature, Water (C)	11.4	deg C		11/04/24 12:20	
EPA 903.1	Radium-226	0.374 ± 0.648 (1.00) C:NA T:88%	pCi/L		11/27/24 14:58	
EPA 904.0	Radium-228	0.812 ± 0.451 (1.00) C:72% T:81%	pCi/L		11/26/24 11:31	
Total Radium Calculation	Total Radium	1.19 ± 1.10 (2.00)	pCi/L		12/02/24 15:56	
SM 2540C	Total Dissolved Solids	352	mg/L	20.0	11/11/24 16:31	
EPA 9040	pH at 25 Degrees C	8.4	Std. Units	0.10	11/08/24 15:06	H6
EPA 300.0	Chloride	24.7	mg/L	2.0	11/17/24 15:21	
EPA 300.0	Fluoride	0.89	mg/L	0.32	11/17/24 15:21	
EPA 300.0	Sulfate	91.6	mg/L	10.0	11/18/24 12:34	
40287026002	**FIELD BLANK**					
EPA 6020B	Boron	3.3J	ug/L	10.0	11/13/24 09:32	
EPA 903.1	Radium-226	0.0617 ± 0.527 (1.00) C:NA T:91%	pCi/L		11/27/24 14:58	
EPA 904.0	Radium-228	0.775 ± 0.428 (1.00) C:72% T:88%	pCi/L		11/26/24 11:31	
Total Radium Calculation	Total Radium	0.837 ± 0.955 (2.00)	pCi/L		12/02/24 15:56	
EPA 9040	pH at 25 Degrees C	6.6	Std. Units	0.10	11/08/24 16:19	H6

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Sample: MW-304 **Lab ID: 40287026001** Collected: 11/04/24 12:20 Received: 11/06/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	11/08/24 06:02	11/13/24 09:07	7440-36-0	
Arsenic	**1.4**	ug/L	1.0	0.28	1	11/08/24 06:02	11/13/24 09:07	7440-38-2	
Barium	**65.7**	ug/L	2.3	0.70	1	11/08/24 06:02	11/13/24 09:07	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	11/08/24 06:02	11/13/24 09:07	7440-41-7	
Boron	**4430**	ug/L	100	30.3	10	11/08/24 06:02	11/13/24 08:50	7440-42-8	
Cadmium	**0.16J**	ug/L	1.0	0.15	1	11/08/24 06:02	11/13/24 09:07	7440-43-9	
Calcium	**87900**	ug/L	2540	762	10	11/08/24 06:02	11/13/24 08:50	7440-70-2	P6
Chromium	**1.3J**	ug/L	3.4	1.0	1	11/08/24 06:02	11/13/24 09:07	7440-47-3	
Cobalt	**0.67J**	ug/L	1.0	0.12	1	11/08/24 06:02	11/13/24 09:07	7440-48-4	
Lead	**0.38J**	ug/L	1.0	0.24	1	11/08/24 06:02	11/13/24 09:07	7439-92-1	
Lithium	**58.4**	ug/L	1.0	0.22	1	11/08/24 06:02	11/13/24 09:07	7439-93-2	
Molybdenum	**1970**	ug/L	14.7	4.4	10	11/08/24 06:02	11/13/24 08:50	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	11/08/24 06:02	11/13/24 09:07	7782-49-2	
Thallium	**0.46J**	ug/L	1.0	0.14	1	11/08/24 06:02	11/13/24 09:07	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	11/18/24 13:52	11/19/24 13:09	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.77**	Std. Units			1		11/04/24 12:20		
Field Specific Conductance	**522.7**	umhos/cm			1		11/04/24 12:20		
Oxygen, Dissolved	**0.32**	mg/L			1		11/04/24 12:20	7782-44-7	
REDOX	**111.1**	mV			1		11/04/24 12:20		
Turbidity	**34.42**	NTU			1		11/04/24 12:20		
Static Water Level	**593.13**	feet			1		11/04/24 12:20		
Temperature, Water (C)	**11.4**	deg C			1		11/04/24 12:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**352**	mg/L	20.0	8.7	1		11/11/24 16:31		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.4**	Std. Units	0.10	0.010	1		11/08/24 15:06		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**24.7**	mg/L	2.0	0.59	1		11/17/24 15:21	16887-00-6	
Fluoride	**0.89**	mg/L	0.32	0.095	1		11/17/24 15:21	16984-48-8	
Sulfate	**91.6**	mg/L	10.0	2.2	5		11/18/24 12:34	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Sample: FIELD BLANK **Lab ID: 40287026002** Collected: 11/04/24 12:30 Received: 11/06/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	11/08/24 06:02	11/13/24 09:32	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	11/08/24 06:02	11/13/24 09:32	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	11/08/24 06:02	11/13/24 09:32	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	11/08/24 06:02	11/13/24 09:32	7440-41-7	
Boron	**3.3J**	ug/L	10.0	3.0	1	11/08/24 06:02	11/13/24 09:32	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	11/08/24 06:02	11/13/24 09:32	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	11/08/24 06:02	11/13/24 09:32	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	11/08/24 06:02	11/13/24 09:32	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	11/08/24 06:02	11/13/24 09:32	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	11/08/24 06:02	11/13/24 09:32	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	11/08/24 06:02	11/13/24 09:32	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	11/08/24 06:02	11/13/24 09:32	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	11/08/24 06:02	11/13/24 09:32	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	11/08/24 06:02	11/13/24 09:32	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	11/18/24 13:52	11/19/24 13:16	7439-97-6	
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		11/11/24 16:31		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**6.6**	Std. Units	0.10	0.010	1		11/08/24 16:19		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		11/17/24 15:32	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		11/17/24 15:32	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		11/17/24 15:32	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 490462
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40287026001, 40287026002

METHOD BLANK: 2808673 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	11/19/24 13:04	

LABORATORY CONTROL SAMPLE: 2808674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2808675 2808676

Parameter	Units	40287026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	5.0	5.1	100	101	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 489631
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40287026001, 40287026002

METHOD BLANK: 2803444 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	11/13/24 08:42	
Arsenic	ug/L	<0.28	1.0	11/13/24 08:42	
Barium	ug/L	<0.70	2.3	11/13/24 08:42	
Beryllium	ug/L	<0.25	1.0	11/13/24 08:42	
Boron	ug/L	<3.0	10.0	11/13/24 08:42	
Cadmium	ug/L	<0.15	1.0	11/13/24 08:42	
Calcium	ug/L	<76.2	254	11/13/24 08:42	
Chromium	ug/L	<1.0	3.4	11/13/24 08:42	
Cobalt	ug/L	<0.12	1.0	11/13/24 08:42	
Lead	ug/L	<0.24	1.0	11/13/24 08:42	
Lithium	ug/L	<0.22	1.0	11/13/24 08:42	
Molybdenum	ug/L	<0.44	1.5	11/13/24 08:42	
Selenium	ug/L	<0.32	1.1	11/13/24 08:42	
Thallium	ug/L	<0.14	1.0	11/13/24 08:42	

LABORATORY CONTROL SAMPLE: 2803445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	250	100	80-120	
Arsenic	ug/L	250	250	100	80-120	
Barium	ug/L	250	243	97	80-120	
Beryllium	ug/L	250	253	101	80-120	
Boron	ug/L	250	228	91	80-120	
Cadmium	ug/L	250	255	102	80-120	
Calcium	ug/L	10000	9740	97	80-120	
Chromium	ug/L	250	242	97	80-120	
Cobalt	ug/L	250	248	99	80-120	
Lead	ug/L	250	245	98	80-120	
Lithium	ug/L	250	246	99	80-120	
Molybdenum	ug/L	250	245	98	80-120	
Selenium	ug/L	250	255	102	80-120	
Thallium	ug/L	250	242	97	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2803446 2803447

Parameter	Units	40287026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	257	253	103	101	75-125	1	20	
Arsenic	ug/L	1.4	250	250	251	250	100	99	75-125	1	20	
Barium	ug/L	65.7	250	250	318	312	101	99	75-125	2	20	
Beryllium	ug/L	<0.25	250	250	249	251	100	101	75-125	1	20	
Boron	ug/L	4430	250	250	4670	4700	98	110	75-125	1	20	
Cadmium	ug/L	0.16J	250	250	252	251	101	100	75-125	0	20	
Calcium	ug/L	87900	10000	10000	95100	97100	72	92	75-125	2	20	P6
Chromium	ug/L	1.3J	250	250	239	238	95	95	75-125	0	20	
Cobalt	ug/L	0.67J	250	250	242	243	97	97	75-125	0	20	
Lead	ug/L	0.38J	250	250	241	240	96	96	75-125	0	20	
Lithium	ug/L	58.4	250	250	307	309	99	100	75-125	1	20	
Molybdenum	ug/L	1970	250	250	2180	2190	82	87	75-125	0	20	
Selenium	ug/L	<0.32	250	250	252	250	101	100	75-125	1	20	
Thallium	ug/L	0.46J	250	250	231	232	92	93	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 489580
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40287026001, 40287026002

METHOD BLANK: 2803122 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	11/11/24 16:27	

LABORATORY CONTROL SAMPLE: 2803123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	615	558	91	80-120	

SAMPLE DUPLICATE: 2803135

Parameter	Units	40286947001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	346	354	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 489697
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40287026001, 40287026002

SAMPLE DUPLICATE: 2803760

Parameter	Units	40286947001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.4	8.4	1	20	H6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 490340
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: 40287026001, 40287026002

METHOD BLANK: 2807944 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	11/17/24 12:17	
Fluoride	mg/L	<0.095	0.32	11/17/24 12:17	
Sulfate	mg/L	<0.44	2.0	11/17/24 12:17	

LABORATORY CONTROL SAMPLE: 2807945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.4	102	90-110	
Fluoride	mg/L	2	2.0	101	90-110	
Sulfate	mg/L	20	20.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2807946 2807947

Parameter	Units	40286971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	380	400	400	824	861	111	120	90-110	4	15	M0
Sulfate	mg/L	14.0J	400	400	427	476	103	116	90-110	11	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2807948 2807949

Parameter	Units	40287061004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	227	200	200	433	439	103	106	90-110	1	15	
Fluoride	mg/L	<0.95	20	20	21.7	22.3	105	108	90-110	3	15	
Sulfate	mg/L	869	1000	1000	2040	1960	117	109	90-110	4	15	M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Sample: MW-304 **Lab ID: 40287026001** Collected: 11/04/24 12:20 Received: 11/06/24 09:20 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	**0.374 ± 0.648 (1.00) C:NA T:88%**	pCi/L	11/27/24 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.812 ± 0.451 (1.00) C:72% T:81%**	pCi/L	11/26/24 11:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.19 ± 1.10 (2.00)**	pCi/L	12/02/24 15:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Sample: FIELD BLANK **Lab ID: 40287026002** Collected: 11/04/24 12:30 Received: 11/06/24 09:20 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	**0.0617 ± 0.527 (1.00) C:NA T:91%**	pCi/L	11/27/24 14:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.775 ± 0.428 (1.00) C:72% T:88%**	pCi/L	11/26/24 11:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.837 ± 0.955 (2.00)**	pCi/L	12/02/24 15:56	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 708697
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: 40287026001, 40287026002

METHOD BLANK: 3450436 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.273 ± 0.404 (0.871) C:81% T:87%	pCi/L	11/26/24 14:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

QC Batch: 708696
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: 40287026001, 40287026002

METHOD BLANK: 3450435 Matrix: Water
Associated Lab Samples: 40287026001, 40287026002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.268 ± 0.250 (0.329) C:NA T:97%	pCi/L	11/27/24 14:43	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

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

H6	Analysis initiated outside of the 15 minute EPA required holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25224068 EDGEWATER
Pace Project No.: 40287026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40287026001	**MW-304**	EPA 3010A	489631	EPA 6020B	489789
40287026002	**FIELD BLANK**	EPA 3010A	489631	EPA 6020B	489789
40287026001	**MW-304**	EPA 7470	490462	EPA 7470	490520
40287026002	**FIELD BLANK**	EPA 7470	490462	EPA 7470	490520
40287026001	**MW-304**				
40287026001	**MW-304**	EPA 903.1	708696		
40287026002	**FIELD BLANK**	EPA 903.1	708696		
40287026001	**MW-304**	EPA 904.0	708697		
40287026002	**FIELD BLANK**	EPA 904.0	708697		
40287026001	**MW-304**	Total Radium Calculation	712750		
40287026002	**FIELD BLANK**	Total Radium Calculation	712750		
40287026001	**MW-304**	SM 2540C	489580		
40287026002	**FIELD BLANK**	SM 2540C	489580		
40287026001	**MW-304**	EPA 9040	489697		
40287026002	**FIELD BLANK**	EPA 9040	489697		
40287026001	**MW-304**	EPA 300.0	490340		
40287026002	**FIELD BLANK**	EPA 300.0	490340		

40287026

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SCS ENGINEERS	Report To: Meghan Blodgett	Attention:
Address: 2830 Dairy Drive	Copy To:	Company Name:
Madison, WI 53718		Address:
Email: mblodgett@scsengineers.com	Purchase Order #:	Pace Quote:
Phone: 608-216-7362 Fax:	Project Name: 25224068 Edgewater	Pace Project Manager: dan.milewsky@pacelabs.com,
Requested Due Date: Standard TAT	Project #: 25224068	Pace Profile #:

Regulatory Agency

State / Location: WI

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals, Total	Chloride, Fluoride, Sulfate, total	TDS	pH	Radium 226 & 228	Residual Chlorine (Y/N)	
	MATRIX: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																	Y/N	N	N	N	N	N		
1	MW-304	WT		11/4	1220			11/4	4	1		3							X	X	X	X	X		001
2	Field Blank	WT		11/4	1230				4	1		3							X	X	X	X	X		002
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	SCS	11/5	0900							
MW-304 and Field Blank metals list Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Lead, Lithium, Mercury, Molybdenum, Selenium, Thallium.	ES Logistics	11/06/24	0920	Susan K. Wylie Pace	11/06/24	0920	0.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ethan Schaefer

SIGNATURE of SAMPLER: DATE Signed: 11/5/24

40287026

Table 2. Sampling Points and Parameters - CCR Rule Sampling Program - Detection Monitoring
Groundwater Monitoring - Edgewater 1-4 (Closed) Ash Disposal Facility / SCS Engineers Project #25224068

	Parameter	MW-304	Field Blank	TOTAL
Appendix III Parameters	Boron	x	x	2
	Calcium	x	x	2
	Chloride	x	x	2
	Fluoride	x	x	2
	pH	x	x	2
	Sulfate	x	x	2
	TDS	x	x	2
Appendix IV Parameters	Antimony	X	X	2
	Arsenic	X	X	2
	Barium	X	X	2
	Beryllium	X	X	2
	Cadmium	X	X	2
	Chromium	X	X	2
	Cobalt	X	X	2
	Fluoride	X	X	2
	Lead	X	X	2
	Lithium	X	X	2
	Mercury	X	X	2
	Molybdenum	X	X	2
	Selenium	X	X	2
	Thallium	X	X	2
	Radium	X	X	2
Field Parameters	Groundwater Elevation	x		1
	Well Depth	x		1
	pH (field)	x		1
	Specific Conductance	x		1
	Dissolved Oxygen	x		1
	ORP	x		1
	Temperature	x		1
	Turbidity	x		1
	Color	x		1
	Odor	x		1

Notes:

I:\25224068.00\Data and Calculations\Field Work Requests\[Table 2_

Client Name: SCS Engineers

Sample Preservation Receipt Form

Project # 40287026

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

Lab Lot# of pH paper: 10D3733 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: KW 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		1															2					X			2.5 / 5
002									1		1															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
009																																		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

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 poly HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Client Name: SCS Engineers

Project #: WO#: 40287026

40287026

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 - 136 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.0 /Corr: 0.0

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

Person examining contents: Date: 11/06/24 /Initials: KW

Labeled By Initials: MVR

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.
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

C3 December 2024 Laboratory Report

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

January 02, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2024. 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

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 Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40288370001	**MW-304**	Water	12/04/24 15:30	12/05/24 09:20
40288370002	**FIELD BLANK**	Water	12/04/24 15:03	12/05/24 09:20

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40288370001	**MW-304**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	6	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	TXW	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40288370002	**FIELD BLANK**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	TXW	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Sample: MW-304 **Lab ID: 40288370001** Collected: 12/04/24 15:30 Received: 12/05/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	12/12/24 07:40	12/13/24 17:42	7440-36-0	
Arsenic	**0.97J**	ug/L	1.0	0.28	1	12/12/24 07:40	12/13/24 17:42	7440-38-2	
Barium	**68.0**	ug/L	2.3	0.70	1	12/12/24 07:40	12/13/24 17:42	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	12/12/24 07:40	12/13/24 17:42	7440-41-7	
Boron	**4000**	ug/L	100	30.3	10	12/12/24 07:40	12/13/24 17:00	7440-42-8	P6
Cadmium	**<0.15**	ug/L	1.0	0.15	1	12/12/24 07:40	12/13/24 17:42	7440-43-9	
Calcium	**78500**	ug/L	2540	762	10	12/12/24 07:40	12/13/24 17:00	7440-70-2	
Chromium	**2.3J**	ug/L	3.4	1.0	1	12/12/24 07:40	12/13/24 17:42	7440-47-3	
Cobalt	**1.0**	ug/L	1.0	0.12	1	12/12/24 07:40	12/13/24 17:42	7440-48-4	
Lead	**0.54J**	ug/L	1.0	0.24	1	12/12/24 07:40	12/13/24 17:42	7439-92-1	
Lithium	**64.7**	ug/L	1.0	0.22	1	12/12/24 07:40	12/13/24 17:42	7439-93-2	
Molybdenum	**1890**	ug/L	14.7	4.4	10	12/12/24 07:40	12/13/24 17:00	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	12/12/24 07:40	12/13/24 17:42	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	12/12/24 07:40	12/13/24 17:42	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	12/11/24 14:07	12/12/24 11:06	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.62**	Std. Units			1		12/04/24 15:30		
Field Specific Conductance	**577.0**	umhos/cm			1		12/04/24 15:30		
Oxygen, Dissolved	**2.71**	mg/L			1		12/04/24 15:30	7782-44-7	
REDOX	**603.4**	mV			1		12/04/24 15:30		
Static Water Level	**592.82**	feet			1		12/04/24 15:30		
Temperature, Water (C)	**5.8**	deg C			1		12/04/24 15:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**384**	mg/L	20.0	8.7	1		12/09/24 15:52		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.3**	Std. Units	0.10	0.010	1		12/09/24 19:03		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**27.6**	mg/L	2.0	0.59	1		12/17/24 17:13	16887-00-6	
Fluoride	**0.83**	mg/L	0.32	0.095	1		12/17/24 17:13	16984-48-8	
Sulfate	**82.9**	mg/L	10.0	2.2	5		12/18/24 14:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Sample: FIELD BLANK **Lab ID: 40288370002** Collected: 12/04/24 15:03 Received: 12/05/24 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	12/12/24 07:40	12/13/24 17:47	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	12/12/24 07:40	12/13/24 17:47	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	12/12/24 07:40	12/13/24 17:47	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	12/12/24 07:40	12/13/24 17:47	7440-41-7	
Boron	**<3.0**	ug/L	10.0	3.0	1	12/12/24 07:40	12/16/24 14:45	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	12/12/24 07:40	12/13/24 17:47	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	12/12/24 07:40	12/13/24 17:47	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	12/12/24 07:40	12/13/24 17:47	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	12/12/24 07:40	12/13/24 17:47	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	12/12/24 07:40	12/13/24 17:47	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	12/12/24 07:40	12/13/24 17:47	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	12/12/24 07:40	12/13/24 17:47	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	12/12/24 07:40	12/13/24 17:47	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	12/12/24 07:40	12/13/24 17:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	12/11/24 14:07	12/12/24 11:19	7439-97-6	
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		12/09/24 15:52		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**6.6**	Std. Units	0.10	0.010	1		12/09/24 19:14		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		12/17/24 17:56	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		12/17/24 17:56	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		12/17/24 17:56	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 492068
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40288370001, 40288370002

METHOD BLANK: 2817032 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	12/12/24 11:01	

LABORATORY CONTROL SAMPLE: 2817033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2817034 2817035

Parameter	Units	40288370001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	5.0	5.6	101	112	85-115	10	20	

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 DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 492422
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40288370001, 40288370002

METHOD BLANK: 2819070 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	12/13/24 16:44	
Arsenic	ug/L	<0.28	1.0	12/13/24 16:44	
Barium	ug/L	<0.70	2.3	12/13/24 16:44	
Beryllium	ug/L	<0.25	1.0	12/13/24 16:44	
Boron	ug/L	<3.0	10.0	12/13/24 16:44	
Cadmium	ug/L	<0.15	1.0	12/13/24 16:44	
Calcium	ug/L	<76.2	254	12/13/24 16:44	
Chromium	ug/L	<1.0	3.4	12/13/24 16:44	
Cobalt	ug/L	<0.12	1.0	12/13/24 16:44	
Lead	ug/L	<0.24	1.0	12/13/24 16:44	
Lithium	ug/L	<0.22	1.0	12/13/24 16:44	
Molybdenum	ug/L	<0.44	1.5	12/13/24 16:44	
Selenium	ug/L	<0.32	1.1	12/13/24 16:44	
Thallium	ug/L	<0.14	1.0	12/13/24 16:44	

LABORATORY CONTROL SAMPLE: 2819071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	243	97	80-120	
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	237	95	80-120	
Beryllium	ug/L	250	245	98	80-120	
Boron	ug/L	250	231	92	80-120	
Cadmium	ug/L	250	242	97	80-120	
Calcium	ug/L	10000	9700	97	80-120	
Chromium	ug/L	250	238	95	80-120	
Cobalt	ug/L	250	241	97	80-120	
Lead	ug/L	250	232	93	80-120	
Lithium	ug/L	250	247	99	80-120	
Molybdenum	ug/L	250	240	96	80-120	
Selenium	ug/L	250	251	100	80-120	
Thallium	ug/L	250	223	89	80-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819072 2819073

Parameter	Units	40288370001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	240	240	96	96	75-125	0	20	
Arsenic	ug/L	0.97J	250	250	243	245	97	98	75-125	1	20	
Barium	ug/L	68.0	250	250	307	307	95	96	75-125	0	20	
Beryllium	ug/L	<0.25	250	250	236	237	94	95	75-125	0	20	
Boron	ug/L	4000	250	250	4210	4100	83	43	75-125	2	20	P6
Cadmium	ug/L	<0.15	250	250	237	237	95	95	75-125	0	20	
Calcium	ug/L	78500	10000	10000	90600	88000	121	95	75-125	3	20	
Chromium	ug/L	2.3J	250	250	234	231	93	92	75-125	1	20	
Cobalt	ug/L	1.0	250	250	230	230	92	91	75-125	0	20	
Lead	ug/L	0.54J	250	250	227	227	91	90	75-125	0	20	
Lithium	ug/L	64.7	250	250	303	302	95	95	75-125	0	20	
Molybdenum	ug/L	1890	250	250	2120	2110	93	90	75-125	0	20	
Selenium	ug/L	<0.32	250	250	242	244	97	97	75-125	1	20	
Thallium	ug/L	<0.14	250	250	219	220	88	88	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 492120
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40288370001, 40288370002

METHOD BLANK: 2817265 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	12/09/24 15:49	

LABORATORY CONTROL SAMPLE: 2817266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	615	560	91	80-120	

SAMPLE DUPLICATE: 2817267

Parameter	Units	40288399001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1270	1250	2	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 492112
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40288370001, 40288370002

SAMPLE DUPLICATE: 2817249

Parameter	Units	40288050001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.3	0	20	H6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 492672
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: 40288370001, 40288370002

METHOD BLANK: 2820469 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	12/17/24 16:51	
Fluoride	mg/L	<0.095	0.32	12/17/24 16:51	
Sulfate	mg/L	<0.44	2.0	12/17/24 16:51	

LABORATORY CONTROL SAMPLE: 2820470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.5	107	90-110	
Fluoride	mg/L	2	2.0	99	90-110	
Sulfate	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820471 2820472

Parameter	Units	40288473002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	394	400	400	789	778	99	96	90-110	1	15	
Fluoride	mg/L	<0.48	10	10	10.3	10.5	103	105	90-110	1	15	
Sulfate	mg/L	44.3	100	100	152	151	107	106	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820473 2820474

Parameter	Units	40288473004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	225	400	400	637	653	103	107	90-110	2	15	
Fluoride	mg/L	<0.48	10	10	10.4	10.4	104	104	90-110	0	15	
Sulfate	mg/L	327	400	400	732	756	101	107	90-110	3	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Sample: MW-304 **Lab ID: 40288370001** Collected: 12/04/24 15:30 Received: 12/05/24 09:20 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	**0.886U ± 0.362 (0.886) C:NA T:93%**	pCi/L	12/27/24 14:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.777U ± 0.421 (0.777) C:80% T:93%**	pCi/L	12/31/24 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.66U ± 0.783 (1.66)**	pCi/L	01/02/25 11:13	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Sample: FIELD BLANK **Lab ID: 40288370002** Collected: 12/04/24 15:03 Received: 12/05/24 09:20 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	**1.12 ± 0.535 (0.169) C:NA T:89%**	pCi/L	12/27/24 14:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.891U ± 0.465 (0.891) C:80% T:89%**	pCi/L	12/31/24 14:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.87 ± 1.000 (1.06)**	pCi/L	01/02/25 11:13	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: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 715226
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: 40288370001, 40288370002

METHOD BLANK: 3484298 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.302 ± 0.356 (0.750) C:80% T:87%	pCi/L	12/31/24 14:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

QC Batch: 715224
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: 40288370001, 40288370002

METHOD BLANK: 3484295 Matrix: Water
Associated Lab Samples: 40288370001, 40288370002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0910 ± 0.253 (0.597) C:NA T:91%	pCi/L	12/27/24 14:29	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

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

H6	Analysis initiated outside of the 15 minute EPA required holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40288370

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40288370001	**MW-304**	EPA 3010A	492422	EPA 6020B	492583
40288370002	**FIELD BLANK**	EPA 3010A	492422	EPA 6020B	492583
40288370001	**MW-304**	EPA 7470	492068	EPA 7470	492415
40288370002	**FIELD BLANK**	EPA 7470	492068	EPA 7470	492415
40288370001	**MW-304**				
40288370001	**MW-304**	EPA 903.1	715224		
40288370002	**FIELD BLANK**	EPA 903.1	715224		
40288370001	**MW-304**	EPA 904.0	715226		
40288370002	**FIELD BLANK**	EPA 904.0	715226		
40288370001	**MW-304**	Total Radium Calculation	718724		
40288370002	**FIELD BLANK**	Total Radium Calculation	718724		
40288370001	**MW-304**	SM 2540C	492120		
40288370002	**FIELD BLANK**	SM 2540C	492120		
40288370001	**MW-304**	EPA 9040	492112		
40288370002	**FIELD BLANK**	EPA 9040	492112		
40288370001	**MW-304**	EPA 300.0	492672		
40288370002	**FIELD BLANK**	EPA 300.0	492672		

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 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

402 88370

Scan QR Code for instructions

Company Name:	SCS ENGINEERS	Contact/Report To:	Meghan Blodgett
Street Address:	2830 Dairy Drive Madison, WI 53718	Phone #:	608-216-7362
		E-Mail:	mblodgett@scsengineers.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2522068 EDGEWATER CCR (CLOSED ASH I-4)	Invoice To:	Accounts Payable
		Invoice E-Mail:	aradunzel@scsengineers.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

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

County / State origin of sample(s): Wisconsin

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Metals (6020 and 7471)	Radium 226 and 228	TDS, Cl/F/SO4, pH	Sample Comment
MW-304	WT	G	12/4	15:30			4			X	X	X	001
FIELD BLANK	WT	↓	12/4	15:03			↓			X	X	X	002

Specify Container Size **: 3 1 3

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***: 2 2 1

*** 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

Analysis Requested

Lab Use Only

Proj. Mgr: Dan Milewsky

AcctNum / Client ID:

Table #:

Profile / Template: 3946

Prelog / Bottle Ord. ID: EZ 3175345

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Metals=Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Pb,Li,Mo,Se,Tl and Hg

Collected By: (Printed Name) Will Ouimet

Signature: Will Ouimet

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	9	0.5	1.0	1.5	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Will Ouimet / SCS	12/4/24 19:00			
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
CS Logistics	12/5/24 0920	Kes Staub-Pace	12/5/24 0920	[ ] FedEX [ ] UPS [X] Other
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/

Sample Preservation Receipt Form

Client Name: SCS Engineers Project # 460.068510

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

Lab Lot# of pH paper: 10001414 Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic						Vials						Jars				General								
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1															2						X		2.5 / 5
002									1		1															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																											DJ		DJ	DJ			2.5 / 5

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 plastic HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #: WO# : 40288370

40288370

Client Name: SCS Engineers

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 - 9 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.5

Temp Blank Present: ☑ yes ☐ no **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: 01/30/24 Initials: KKS
Labeled By Initials: GF

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: WT		
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

C4 January 2025 Laboratory Reports

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

January 29, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on January 07, 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

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 Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40289499001	**MW-301**	Water	01/03/25 10:45	01/07/25 14:55

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40289499001	**MW-301**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Sample: MW-301 **Lab ID: 40289499001** Collected: 01/03/25 10:45 Received: 01/07/25 14:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/08/25 09:04	01/15/25 15:46	7440-36-0	
Arsenic	**1.7**	ug/L	1.0	0.28	1	01/08/25 09:04	01/15/25 15:46	7440-38-2	
Barium	**31.9**	ug/L	2.3	0.70	1	01/08/25 09:04	01/15/25 15:46	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	01/08/25 09:04	01/15/25 15:46	7440-41-7	
Boron	**7310**	ug/L	100	30.3	10	01/08/25 09:04	01/15/25 16:24	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/08/25 09:04	01/15/25 15:46	7440-43-9	
Calcium	**96500**	ug/L	254	76.2	1	01/08/25 09:04	01/15/25 15:46	7440-70-2	
Chromium	**2.4J**	ug/L	3.4	1.0	1	01/08/25 09:04	01/15/25 15:46	7440-47-3	
Cobalt	**0.75J**	ug/L	1.0	0.12	1	01/08/25 09:04	01/15/25 15:46	7440-48-4	
Lead	**0.50J**	ug/L	1.0	0.24	1	01/08/25 09:04	01/15/25 15:46	7439-92-1	
Lithium	**9.6**	ug/L	1.0	0.22	1	01/08/25 09:04	01/15/25 15:46	7439-93-2	
Molybdenum	**1890**	ug/L	14.7	4.4	10	01/08/25 09:04	01/15/25 16:24	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/08/25 09:04	01/15/25 15:46	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	01/08/25 09:04	01/15/25 15:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	01/14/25 13:26	01/15/25 11:46	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.49**	Std. Units			1		01/03/25 10:45		
Field Specific Conductance	**832**	umhos/cm			1		01/03/25 10:45		
Oxygen, Dissolved	**4.46**	mg/L			1		01/03/25 10:45	7782-44-7	
REDOX	**761.5**	mV			1		01/03/25 10:45		
Turbidity	**24.9**	NTU			1		01/03/25 10:45		
Static Water Level	**596.12**	feet			1		01/03/25 10:45		
Temperature, Water (C)	**7.9**	deg C			1		01/03/25 10:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**330**	mg/L	20.0	8.7	1		01/08/25 15:57		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.010	1		01/09/25 13:24		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**19.8J**	mg/L	20.0	5.9	10		01/21/25 14:22	16887-00-6	D3
Fluoride	**<0.95**	mg/L	3.2	0.95	10		01/22/25 12:41	16984-48-8	D3
Sulfate	**182**	mg/L	20.0	4.4	10		01/21/25 14:22	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 494899
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289499001

METHOD BLANK: 2830316 Matrix: Water
Associated Lab Samples: 40289499001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	01/15/25 11:15	

LABORATORY CONTROL SAMPLE: 2830317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2830318 2830319

Parameter	Units	40289520009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.000066 mg/L	5	5	4.8	4.7	95	94	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 494417
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40289499001

METHOD BLANK: 2828228 Matrix: Water

Associated Lab Samples: 40289499001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	01/15/25 14:10	
Arsenic	ug/L	<0.28	1.0	01/15/25 14:10	
Barium	ug/L	<0.70	2.3	01/15/25 14:10	
Beryllium	ug/L	<0.25	1.0	01/15/25 14:10	
Boron	ug/L	<3.0	10.0	01/15/25 14:10	
Cadmium	ug/L	<0.15	1.0	01/15/25 14:10	
Calcium	ug/L	<76.2	254	01/15/25 14:10	
Chromium	ug/L	<1.0	3.4	01/15/25 14:10	
Cobalt	ug/L	<0.12	1.0	01/15/25 14:10	
Lead	ug/L	<0.24	1.0	01/15/25 14:10	
Lithium	ug/L	<0.22	1.0	01/15/25 14:10	
Molybdenum	ug/L	<0.44	1.5	01/15/25 14:10	
Selenium	ug/L	<0.32	1.1	01/15/25 14:10	
Thallium	ug/L	<0.14	1.0	01/15/25 14:10	

LABORATORY CONTROL SAMPLE: 2828229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	254	101	80-120	
Arsenic	ug/L	250	257	103	80-120	
Barium	ug/L	250	246	98	80-120	
Beryllium	ug/L	250	269	108	80-120	
Boron	ug/L	250	255	102	80-120	
Cadmium	ug/L	250	259	104	80-120	
Calcium	ug/L	10000	9440	94	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	254	101	80-120	
Lead	ug/L	250	246	98	80-120	
Lithium	ug/L	250	264	105	80-120	
Molybdenum	ug/L	250	251	100	80-120	
Selenium	ug/L	250	266	106	80-120	
Thallium	ug/L	250	231	92	80-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828230 2828231

Parameter	Units	40289471009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<2.0	250	250	260	251	104	100	75-125	4	20	
Arsenic	ug/L	8.1	250	250	281	273	109	106	75-125	3	20	
Barium	ug/L	497	250	250	774	766	111	108	75-125	1	20	
Beryllium	ug/L	<2.0	250	250	283	273	113	109	75-125	3	20	
Boron	ug/L	74.3	250	250	333	322	104	99	75-125	3	20	
Cadmium	ug/L	<2.0	250	250	255	245	102	98	75-125	4	20	
Calcium	ug/L	263000	10000	10000	272000	269000	93	62	75-125	1	20	P6
Chromium	ug/L	119	250	250	369	357	100	95	75-125	3	20	
Cobalt	ug/L	6.7	250	250	270	260	105	101	75-125	4	20	
Lead	ug/L	8.1	250	250	269	263	105	102	75-125	2	20	
Lithium	ug/L	20.7	250	250	288	279	107	103	75-125	3	20	
Molybdenum	ug/L	34.2	250	250	295	284	104	100	75-125	4	20	
Selenium	ug/L	<2.1	250	250	270	264	108	106	75-125	2	20	
Thallium	ug/L	<2.0	250	250	249	243	100	97	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 494436
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289499001

METHOD BLANK: 2828310 Matrix: Water
Associated Lab Samples: 40289499001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	01/08/25 15:53	

LABORATORY CONTROL SAMPLE: 2828311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	516	556	108	80-120	

SAMPLE DUPLICATE: 2828312

Parameter	Units	40289480001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	656	694	6	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 494546
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40289499001

SAMPLE DUPLICATE: 2828753

Parameter	Units	40289480001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.4	8.4	0	20	H6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 495306
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: 40289499001

METHOD BLANK: 2832338 Matrix: Water
Associated Lab Samples: 40289499001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	01/21/25 13:27	
Fluoride	mg/L	<0.095	0.32	01/22/25 12:19	
Sulfate	mg/L	0.52J	2.0	01/21/25 13:27	

LABORATORY CONTROL SAMPLE: 2832339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.2	96	90-110	
Fluoride	mg/L	2	1.9	96	90-110	
Sulfate	mg/L	20	19.3	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832340 2832341

Parameter	Units	40289499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	19.8J	200	200	218	229	99	105	90-110	5	15	
Fluoride	mg/L	<0.95	20	20	20.9	21.1	105	106	90-110	1	15	
Sulfate	mg/L	182	200	200	375	399	96	108	90-110	6	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Sample: MW-301 **Lab ID: 40289499001** Collected: 01/03/25 10:45 Received: 01/07/25 14:55 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	**1.41U ± 0.735 (1.41) C:NA T:94%**	pCi/L	01/20/25 13:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.697U ± 0.362 (0.697) C:84% T:85%**	pCi/L	01/17/25 15:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.11U ± 1.10 (2.11)**	pCi/L	01/24/25 16:41	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 720231
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: 40289499001

METHOD BLANK: 3507154 Matrix: Water
Associated Lab Samples: 40289499001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.212 (0.431) C:NA T:97%	pCi/L	01/20/25 12:50	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

QC Batch: 720232
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: 40289499001

METHOD BLANK: 3507155 Matrix: Water
Associated Lab Samples: 40289499001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.771 ± 0.408 (0.717) C:75% T:94%	pCi/L	01/17/25 15:03	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

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.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289499

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40289499001	**MW-301**	EPA 3010A	494417	EPA 6020B	494510
40289499001	**MW-301**	EPA 7470	494899	EPA 7470	494939
40289499001	**MW-301**				
40289499001	**MW-301**	EPA 903.1	720231		
40289499001	**MW-301**	EPA 904.0	720232		
40289499001	**MW-301**	Total Radium Calculation	722942		
40289499001	**MW-301**	SM 2540C	494436		
40289499001	**MW-301**	EPA 9040	494546		
40289499001	**MW-301**	EPA 300.0	495306		

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 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

40289499

Scan QR Code for instructions

Company Name:	SCS ENGINEERS	Contact/Report To:	Meghan Blodgett
Street Address:	2830 Dairy Drive Madison, WI 53718	Phone #:	608-216-7362
		E-Mail:	mblodgett@scsengineers.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2522068 EDGEWATER CCR (CLOSED ASH I-4)	Invoice To:	Accounts Payable
		Invoice E-Mail:	aradunzel@scsengineers.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

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

County / State origin of sample(s): Wisconsin

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] 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), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Metals (6020 and 7471)	Radium 226 and 228	TDS, Cl/F/SO4, pH	Sample Comment
~~FB-DW~~	WT									X	X	X	
MW-301	WT	G	~~1/3~~		1/3/25	10:45	4			X	X	X	001
~~MW-302~~	WT									X	X	X	
~~MW-303~~	WT									X	X	X	
~~MW-304~~	WT									X	X	X	
~~FIELD BLANK~~	WT									X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) 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: **Dan Milewsky**
AcctNum / Client ID:
Table #:
Profile / Template: **3946**
Prelog / Bottle Ord. ID: **EZ 3190229**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Metals=Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Pb,Li,Mo,Se,Tl and Hg

Collected By: (Printed Name) William Ouret
Signature: William Ouret

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
William Ouret / SCS	1/7/25 ~~16~~ 14:55	Matt VanSomeren / Pace	01/07/2025 14:55	N/A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
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/

Sample Preservation Receipt Form

Client Name: SCS Project # 40289499

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

Lab Lot# of pH paper: 10D0144 Lab Std #ID of preservation (if pH adjusted):

	Glass						Plastic						Vials						Jars				General								
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1															2					X		2.5 / 5
002																																	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
009																																	2.5 / 5
010																																	2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
013																																	2.5 / 5
014									mis-labs																								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

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	1L poly HNO3
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40289499

40289499

Client Name: SCS

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: 0.0 /Corr: 0.5

Temp Blank Present: ☐ yes ☑ no **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: 1-7-25 /Initials: mk

Labeled By Initials: MVS

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

Page 2 of 2

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

February 05, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 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

Report revised to correct the field pH value for 40289917003. This replaces the report generated on January 31, 2025.

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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1241 Bellevue Street - Suite 9
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(920)469-2436

CERTIFICATIONS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

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 Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40289917001	**2R-OW**	Water	01/17/25 13:55	01/17/25 17:33
40289917002	**MW-302**	Water	01/17/25 12:40	01/17/25 17:33
40289917003	**MW-303**	Water	01/17/25 09:55	01/17/25 17:33
40289917004	**MW-304**	Water	01/17/25 11:20	01/17/25 17:33
40289917005	**FIELD BLANK**	Water	01/17/25 12:50	01/17/25 17:33

Pace Analytical Services, LLC
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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40289917001	**2R-OW**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40289917002	**MW-302**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40289917003	**MW-303**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40289917004	**MW-304**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AJT	1	PASI-G
			AG1	6	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G
40289917005	**FIELD BLANK**	EPA 6020B	KXS	14	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: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	AJT	1	PASI-G
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	HMB	3	PASI-G

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

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: 2R-OW **Lab ID: 40289917001** Collected: 01/17/25 13:55 Received: 01/17/25 17:33 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:26	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	01/21/25 09:06	01/22/25 21:26	7440-38-2	
Barium	**133**	ug/L	2.3	0.70	1	01/21/25 09:06	01/22/25 21:26	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	01/21/25 09:06	01/22/25 21:26	7440-41-7	
Boron	**22.9**	ug/L	10.0	3.0	1	01/21/25 09:06	01/22/25 21:26	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:26	7440-43-9	
Calcium	**148000**	ug/L	2540	762	10	01/21/25 09:06	01/22/25 21:09	7440-70-2	P6
Chromium	**2.3J**	ug/L	3.4	1.0	1	01/21/25 09:06	01/22/25 21:26	7440-47-3	
Cobalt	**0.13J**	ug/L	1.0	0.12	1	01/21/25 09:06	01/22/25 21:26	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	01/21/25 09:06	01/22/25 21:26	7439-92-1	
Lithium	**9.1**	ug/L	1.0	0.22	1	01/21/25 09:06	01/22/25 21:26	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	01/21/25 09:06	01/22/25 21:26	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/21/25 09:06	01/22/25 21:26	7782-49-2	
Thallium	**0.47J**	ug/L	1.0	0.14	1	01/21/25 09:06	01/22/25 21:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	01/28/25 10:55	01/29/25 09:06	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.01**	Std. Units			1		01/17/25 13:55		
Field Specific Conductance	**1948**	umhos/cm			1		01/17/25 13:55		
Oxygen, Dissolved	**4.64**	mg/L			1		01/17/25 13:55	7782-44-7	
REDOX	**36.6**	mV			1		01/17/25 13:55		
Turbidity	**14**	NTU			1		01/17/25 13:55		
Static Water Level	**605.16**	feet			1		01/17/25 13:55		
Temperature, Water (C)	**9.4**	deg C			1		01/17/25 13:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**998**	mg/L	20.0	8.7	1		01/21/25 13:56		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.010	1		01/20/25 17:22		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**385**	mg/L	40.0	11.8	20		01/27/25 12:36	16887-00-6	
Fluoride	**<0.48**	mg/L	1.6	0.48	5		01/24/25 15:10	16984-48-8	D3
Sulfate	**19.2**	mg/L	10.0	2.2	5		01/24/25 15:10	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-302 **Lab ID: 40289917002** Collected: 01/17/25 12:40 Received: 01/17/25 17:33 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:55	7440-36-0	
Arsenic	**8.1**	ug/L	1.0	0.28	1	01/21/25 09:06	01/22/25 21:55	7440-38-2	
Barium	**55.6**	ug/L	2.3	0.70	1	01/21/25 09:06	01/22/25 21:55	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	01/21/25 09:06	01/22/25 21:55	7440-41-7	
Boron	**1530**	ug/L	10.0	3.0	1	01/21/25 09:06	01/22/25 21:55	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:55	7440-43-9	
Calcium	**51400**	ug/L	254	76.2	1	01/21/25 09:06	01/22/25 21:55	7440-70-2	
Chromium	**2.0J**	ug/L	3.4	1.0	1	01/21/25 09:06	01/22/25 21:55	7440-47-3	
Cobalt	**0.56J**	ug/L	1.0	0.12	1	01/21/25 09:06	01/22/25 21:55	7440-48-4	
Lead	**0.50J**	ug/L	1.0	0.24	1	01/21/25 09:06	01/22/25 21:55	7439-92-1	
Lithium	**48.2**	ug/L	1.0	0.22	1	01/21/25 09:06	01/22/25 21:55	7439-93-2	
Molybdenum	**338**	ug/L	1.5	0.44	1	01/21/25 09:06	01/22/25 21:55	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/21/25 09:06	01/22/25 21:55	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	01/21/25 09:06	01/22/25 21:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	01/28/25 10:55	01/29/25 09:09	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.78**	Std. Units			1		01/17/25 12:40		
Field Specific Conductance	**461.8**	umhos/cm			1		01/17/25 12:40		
Oxygen, Dissolved	**0.38**	mg/L			1		01/17/25 12:40	7782-44-7	
REDOX	**-43.8**	mV			1		01/17/25 12:40		
Turbidity	**220**	NTU			1		01/17/25 12:40		
Static Water Level	**593.11**	feet			1		01/17/25 12:40		
Temperature, Water (C)	**9.6**	deg C			1		01/17/25 12:40		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**338**	mg/L	20.0	8.7	1		01/21/25 13:57		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.4**	Std. Units	0.10	0.010	1		01/20/25 17:32		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**18.5**	mg/L	2.0	0.59	1		01/24/25 16:16	16887-00-6	
Fluoride	**0.74**	mg/L	0.32	0.095	1		01/24/25 16:16	16984-48-8	
Sulfate	**85.4**	mg/L	10.0	2.2	5		01/27/25 13:09	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-303 **Lab ID: 40289917003** Collected: 01/17/25 09:55 Received: 01/17/25 17:33 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 22:04	7440-36-0	
Arsenic	**26.6**	ug/L	1.0	0.28	1	01/21/25 09:06	01/22/25 22:04	7440-38-2	
Barium	**121**	ug/L	2.3	0.70	1	01/21/25 09:06	01/22/25 22:04	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	01/21/25 09:06	01/22/25 22:04	7440-41-7	
Boron	**5270**	ug/L	100	30.3	10	01/21/25 09:06	01/23/25 11:59	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 22:04	7440-43-9	
Calcium	**145000**	ug/L	254	76.2	1	01/21/25 09:06	01/22/25 22:04	7440-70-2	
Chromium	**5.4**	ug/L	3.4	1.0	1	01/21/25 09:06	01/22/25 22:04	7440-47-3	
Cobalt	**2.6**	ug/L	1.0	0.12	1	01/21/25 09:06	01/22/25 22:04	7440-48-4	
Lead	**1.7**	ug/L	1.0	0.24	1	01/21/25 09:06	01/22/25 22:04	7439-92-1	
Lithium	**13.1**	ug/L	1.0	0.22	1	01/21/25 09:06	01/22/25 22:04	7439-93-2	
Molybdenum	**7.0**	ug/L	1.5	0.44	1	01/21/25 09:06	01/22/25 22:04	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/21/25 09:06	01/22/25 22:04	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	01/21/25 09:06	01/22/25 22:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	01/28/25 10:55	01/29/25 09:11	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.79**	Std. Units			1		01/17/25 09:55		
Field Specific Conductance	**1116**	umhos/cm			1		01/17/25 09:55		
Oxygen, Dissolved	**4.19**	mg/L			1		01/17/25 09:55	7782-44-7	
REDOX	**-68.8**	mV			1		01/17/25 09:55		
Turbidity	**270**	NTU			1		01/17/25 09:55		
Static Water Level	**587.54**	feet			1		01/17/25 09:55		
Temperature, Water (C)	**9.4**	deg C			1		01/17/25 09:55		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**684**	mg/L	20.0	8.7	1		01/21/25 13:57		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.0**	Std. Units	0.10	0.010	1		01/20/25 17:34		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**24.8**	mg/L	10.0	3.0	5		01/24/25 16:26	16887-00-6	
Fluoride	**<0.48**	mg/L	1.6	0.48	5		01/24/25 16:26	16984-48-8	D3
Sulfate	**<2.2**	mg/L	10.0	2.2	5		01/24/25 16:26	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-304 **Lab ID: 40289917004** Collected: 01/17/25 11:20 Received: 01/17/25 17:33 Matrix: Water

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in ground water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A								
	Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 22:08	7440-36-0	
Arsenic	**3.0**	ug/L	1.0	0.28	1	01/21/25 09:06	01/22/25 22:08	7440-38-2	
Barium	**92.0**	ug/L	2.3	0.70	1	01/21/25 09:06	01/22/25 22:08	7440-39-3	
Beryllium	**0.54J**	ug/L	1.0	0.25	1	01/21/25 09:06	01/22/25 22:08	7440-41-7	
Boron	**809**	ug/L	10.0	3.0	1	01/21/25 09:06	01/22/25 22:08	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 22:08	7440-43-9	
Calcium	**97400**	ug/L	254	76.2	1	01/21/25 09:06	01/22/25 22:08	7440-70-2	
Chromium	**18.7**	ug/L	3.4	1.0	1	01/21/25 09:06	01/22/25 22:08	7440-47-3	
Cobalt	**6.0**	ug/L	1.0	0.12	1	01/21/25 09:06	01/22/25 22:08	7440-48-4	
Lead	**4.6**	ug/L	1.0	0.24	1	01/21/25 09:06	01/22/25 22:08	7439-92-1	
Lithium	**30.7**	ug/L	1.0	0.22	1	01/21/25 09:06	01/22/25 22:08	7439-93-2	
Molybdenum	**367**	ug/L	1.5	0.44	1	01/21/25 09:06	01/22/25 22:08	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/21/25 09:06	01/22/25 22:08	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	01/21/25 09:06	01/22/25 22:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Pace Analytical Services - Green Bay								
Mercury	**0.088J**	ug/L	0.20	0.066	1	01/28/25 10:55	01/29/25 09:14	7439-97-6	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.60**	Std. Units			1		01/17/25 11:20		
Field Specific Conductance	**498.6**	umhos/cm			1		01/17/25 11:20		
Oxygen, Dissolved	**0.64**	mg/L			1		01/17/25 11:20	7782-44-7	
REDOX	**-30.6**	mV			1		01/17/25 11:20		
Static Water Level	**593.17**	feet			1		01/17/25 11:20		
Temperature, Water (C)	**9.8**	deg C			1		01/17/25 11:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
	Pace Analytical Services - Green Bay								
Total Dissolved Solids	**416**	mg/L	20.0	8.7	1		01/21/25 13:57		
9040 pH	Analytical Method: EPA 9040								
	Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.3**	Std. Units	0.10	0.010	1		01/20/25 17:37		H6
300.0 IC Anions	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride	**28.9**	mg/L	10.0	3.0	5		01/24/25 16:37	16887-00-6	
Fluoride	**0.86J**	mg/L	1.6	0.48	5		01/24/25 16:37	16984-48-8	D3
Sulfate	**89.7**	mg/L	10.0	2.2	5		01/24/25 16:37	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: FIELD BLANK **Lab ID: 40289917005** Collected: 01/17/25 12:50 Received: 01/17/25 17:33 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:51	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	01/21/25 09:06	01/22/25 21:51	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	01/21/25 09:06	01/22/25 21:51	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	01/21/25 09:06	01/22/25 21:51	7440-41-7	
Boron	**<3.0**	ug/L	10.0	3.0	1	01/21/25 09:06	01/22/25 21:51	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	01/21/25 09:06	01/22/25 21:51	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	01/21/25 09:06	01/22/25 21:51	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	01/21/25 09:06	01/22/25 21:51	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	01/21/25 09:06	01/22/25 21:51	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	01/21/25 09:06	01/22/25 21:51	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	01/21/25 09:06	01/22/25 21:51	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	01/21/25 09:06	01/22/25 21:51	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	01/21/25 09:06	01/22/25 21:51	7782-49-2	
Thallium	**0.17J**	ug/L	1.0	0.14	1	01/21/25 09:06	01/22/25 21:51	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	01/28/25 10:55	01/29/25 09:16	7439-97-6	
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		01/21/25 13:57		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.010	1		01/20/25 17:47		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		01/24/25 16:48	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		01/24/25 16:48	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		01/24/25 16:48	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 495875 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 2834699 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	01/29/25 08:40	

LABORATORY CONTROL SAMPLE: 2834700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2834701 2834702

Parameter	Units	40290130004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.000066 mg/L	5	5	4.9	4.9	98	97	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 495331
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 2832409 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	01/22/25 21:01	
Arsenic	ug/L	<0.28	1.0	01/22/25 21:01	
Barium	ug/L	<0.70	2.3	01/22/25 21:01	
Beryllium	ug/L	<0.25	1.0	01/22/25 21:01	
Boron	ug/L	<3.0	10.0	01/22/25 21:01	
Cadmium	ug/L	<0.15	1.0	01/22/25 21:01	
Calcium	ug/L	<76.2	254	01/22/25 21:01	
Chromium	ug/L	<1.0	3.4	01/22/25 21:01	
Cobalt	ug/L	<0.12	1.0	01/22/25 21:01	
Lead	ug/L	<0.24	1.0	01/22/25 21:01	
Lithium	ug/L	<0.22	1.0	01/22/25 21:01	
Molybdenum	ug/L	<0.44	1.5	01/22/25 21:01	
Selenium	ug/L	<0.32	1.1	01/22/25 21:01	
Thallium	ug/L	<0.14	1.0	01/22/25 21:01	

LABORATORY CONTROL SAMPLE: 2832410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	252	101	80-120	
Arsenic	ug/L	250	249	99	80-120	
Barium	ug/L	250	244	97	80-120	
Beryllium	ug/L	250	262	105	80-120	
Boron	ug/L	250	247	99	80-120	
Cadmium	ug/L	250	252	101	80-120	
Calcium	ug/L	10000	10000	100	80-120	
Chromium	ug/L	250	244	98	80-120	
Cobalt	ug/L	250	246	98	80-120	
Lead	ug/L	250	246	98	80-120	
Lithium	ug/L	250	250	100	80-120	
Molybdenum	ug/L	250	252	101	80-120	
Selenium	ug/L	250	255	102	80-120	
Thallium	ug/L	250	246	98	80-120	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832411 2832412

Parameter	Units	40289917001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	247	248	99	99	75-125	0	20	
Arsenic	ug/L	<0.28	250	250	245	249	98	99	75-125	1	20	
Barium	ug/L	133	250	250	381	383	99	100	75-125	0	20	
Beryllium	ug/L	<0.25	250	250	255	263	102	105	75-125	3	20	
Boron	ug/L	22.9	250	250	263	268	96	98	75-125	2	20	
Cadmium	ug/L	<0.15	250	250	241	242	96	97	75-125	1	20	
Calcium	ug/L	148000	10000	10000	160000	152000	117	34	75-125	5	20	P6
Chromium	ug/L	2.3J	250	250	237	240	94	95	75-125	1	20	
Cobalt	ug/L	0.13J	250	250	237	239	95	96	75-125	1	20	
Lead	ug/L	<0.24	250	250	249	251	99	100	75-125	1	20	
Lithium	ug/L	9.1	250	250	254	263	98	102	75-125	3	20	
Molybdenum	ug/L	<0.44	250	250	254	255	101	102	75-125	0	20	
Selenium	ug/L	<0.32	250	250	247	256	99	102	75-125	3	20	
Thallium	ug/L	0.47J	250	250	251	255	100	102	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 495379 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 2832572 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	01/21/25 13:56	

LABORATORY CONTROL SAMPLE: 2832573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	516	564	109	80-120	

SAMPLE DUPLICATE: 2832574

Parameter	Units	40289917002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	338	340	1	10	

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 DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 495302
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

SAMPLE DUPLICATE: 2832331

Parameter	Units	40289906015 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.7	0	20	H6

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 DATA

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 495324
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: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 2832387 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	01/24/25 13:31	
Fluoride	mg/L	<0.095	0.32	01/24/25 13:31	
Sulfate	mg/L	<0.44	2.0	01/24/25 13:31	

LABORATORY CONTROL SAMPLE: 2832388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.3	96	90-110	
Fluoride	mg/L	2	2.0	99	90-110	
Sulfate	mg/L	20	20.2	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832389 2832390

Parameter	Units	40289917001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	385	400	400	785	769	100	96	90-110	2	15	
Fluoride	mg/L	<0.48	10	10	10.4	10.4	104	104	90-110	0	15	
Sulfate	mg/L	19.2	100	100	124	125	105	105	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832391 2832392

Parameter	Units	40289918011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	7220	10000	10000	17300	17300	100	100	90-110	0	15	
Fluoride	mg/L	314	1000	1000	1410	1400	109	109	90-110	1	15	
Sulfate	mg/L	<222	10000	10000	10500	10500	105	105	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: 2R-OW **Lab ID: 40289917001** Collected: 01/17/25 13:55 Received: 01/17/25 17:33 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	**1.10U ± 0.542 (1.10) C:NA T:93%**	pCi/L	01/30/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.561U ± 0.287 (0.561) C:78% T:92%**	pCi/L	01/29/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.66U ± 0.829 (1.66)**	pCi/L	01/31/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-302 **Lab ID: 40289917002** Collected: 01/17/25 12:40 Received: 01/17/25 17:33 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	**1.64U ± 0.885 (1.64) C:NA T:88%**	pCi/L	01/30/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.723U ± 0.354 (0.723) C:76% T:85%**	pCi/L	01/29/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.36U ± 1.24 (2.36)**	pCi/L	01/31/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-303 **Lab ID: 40289917003** Collected: 01/17/25 09:55 Received: 01/17/25 17:33 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	**1.53U ± 0.771 (1.53) C:NA T:96%**	pCi/L	01/30/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.707U ± 0.387 (0.707) C:80% T:88%**	pCi/L	01/29/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.24U ± 1.16 (2.24)**	pCi/L	01/31/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: MW-304 **Lab ID: 40289917004** Collected: 01/17/25 11:20 Received: 01/17/25 17:33 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH<2 for radiochemistry analysis, where the method requires preservation, in ground water. The samples were preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.92 ± 0.903 (1.13) C:NA T:101%**	pCi/L	01/30/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.80 ± 0.533 (0.607) C:81% T:84%**	pCi/L	01/29/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**3.72 ± 1.44 (1.74)**	pCi/L	01/31/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Sample: FIELD BLANK **Lab ID: 40289917005** Collected: 01/17/25 12:50 Received: 01/17/25 17:33 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	**1.29U ± 0.618 (1.29) C:NA T:90%**	pCi/L	01/30/25 14:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.580U ± 0.275 (0.580) C:83% T:88%**	pCi/L	01/29/25 14:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.87U ± 0.893 (1.87)**	pCi/L	01/31/25 15:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 722616
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: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 3517894 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.364 ± 0.370 (0.560) C:NA T:90%	pCi/L	01/30/25 14:53	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

QC Batch: 722617
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: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

METHOD BLANK: 3517895 Matrix: Water
Associated Lab Samples: 40289917001, 40289917002, 40289917003, 40289917004, 40289917005

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.751 ± 0.356 (0.580) C:74% T:87%	pCi/L	01/29/25 14:46	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

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.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522068 EDGEWATER CCR (CLOSED
Pace Project No.: 40289917

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40289917001	**2R-OW**	EPA 3010A	495331	EPA 6020B	495446
40289917002	**MW-302**	EPA 3010A	495331	EPA 6020B	495446
40289917003	**MW-303**	EPA 3010A	495331	EPA 6020B	495446
40289917004	**MW-304**	EPA 3010A	495331	EPA 6020B	495446
40289917005	**FIELD BLANK**	EPA 3010A	495331	EPA 6020B	495446
40289917001	**2R-OW**	EPA 7470	495875	EPA 7470	495917
40289917002	**MW-302**	EPA 7470	495875	EPA 7470	495917
40289917003	**MW-303**	EPA 7470	495875	EPA 7470	495917
40289917004	**MW-304**	EPA 7470	495875	EPA 7470	495917
40289917005	**FIELD BLANK**	EPA 7470	495875	EPA 7470	495917
40289917001	**2R-OW**				
40289917002	**MW-302**				
40289917003	**MW-303**				
40289917004	**MW-304**				
40289917001	**2R-OW**	EPA 903.1	722616		
40289917002	**MW-302**	EPA 903.1	722616		
40289917003	**MW-303**	EPA 903.1	722616		
40289917004	**MW-304**	EPA 903.1	722616		
40289917005	**FIELD BLANK**	EPA 903.1	722616		
40289917001	**2R-OW**	EPA 904.0	722617		
40289917002	**MW-302**	EPA 904.0	722617		
40289917003	**MW-303**	EPA 904.0	722617		
40289917004	**MW-304**	EPA 904.0	722617		
40289917005	**FIELD BLANK**	EPA 904.0	722617		
40289917001	**2R-OW**	Total Radium Calculation	724307		
40289917002	**MW-302**	Total Radium Calculation	724307		
40289917003	**MW-303**	Total Radium Calculation	724307		
40289917004	**MW-304**	Total Radium Calculation	724307		
40289917005	**FIELD BLANK**	Total Radium Calculation	724307		
40289917001	**2R-OW**	SM 2540C	495379		
40289917002	**MW-302**	SM 2540C	495379		
40289917003	**MW-303**	SM 2540C	495379		
40289917004	**MW-304**	SM 2540C	495379		
40289917005	**FIELD BLANK**	SM 2540C	495379		
40289917001	**2R-OW**	EPA 9040	495302		
40289917002	**MW-302**	EPA 9040	495302		
40289917003	**MW-303**	EPA 9040	495302		
40289917004	**MW-304**	EPA 9040	495302		
40289917005	**FIELD BLANK**	EPA 9040	495302		
40289917001	**2R-OW**	EPA 300.0	495324		
40289917002	**MW-302**	EPA 300.0	495324		
40289917003	**MW-303**	EPA 300.0	495324		
40289917004	**MW-304**	EPA 300.0	495324		
40289917005	**FIELD BLANK**	EPA 300.0	495324		

REPORT OF LABORATORY ANALYSIS

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 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

40289917

Scan QR Code for instructions

Company Name:	SCS ENGINEERS	Contact/Report To:	Meghan Blodgett
Street Address:	2830 Dairy Drive Madison, WI 53718	Phone #:	608-216-7362
		E-Mail:	mblodgett@scsengineers.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2522068 EDGEWATER CCR (CLOSED ASH I-4)	Invoice To:	Accounts Payable
		Invoice E-Mail:	aradunzel@scsengineers.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

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

County / State origin of sample(s): Wisconsin

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected or Composite Start Date	Collected or Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Metals (6020 and 7471)	Radium 226 and 228	TDS, Cl/F/SO4, pH	Sample Comment
2R-OW	WT	G	1/17/25	13:55						X	X	X	001
~~MW-301~~	WT									X	X	X	~~002~~
MW-302	WT	G	1/17/25	12:40						X	X	X	003 002
MW-303	WT			9:55						X	X	X	004 003
MW-304	WT			11:20						X	X	X	005 004
FIELD BLANK	WT			12:50						X	X	X	006 005

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) 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: **Dan Milewsky**
AcctNum / Client ID:
Table #:
Profile / Template: **3946**
Prelog / Bottle Ord. ID: **EZ 3190229**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
Metals=Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Pb,Li,Mo,Se,Tl and Hg

Collected By: (Printed Name) William Ouimet
Signature: William Ouimet

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
1	9	0.5	2.0	2.5	X

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
William Ouimet / SCS	1/17/25 17:33	Kes Stamp - Pace	1/17/25 17:33	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
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/

Sample Preservation Receipt Form

Client Name: SCS Engineers Project # 40289917

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

Lab Lot# of pH paper: 1000144 Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic						Vials						Jars				General								
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1															JJJJJ					X		2.5 / 5
002									1		1																				X		2.5 / 5
003									1		1																				X		2.5 / 5
004									1		1																				X		2.5 / 5
005									1		1																				X		2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	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																			1/18/25 KKS														2.5 / 5

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	1liter plastic HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40289917

40289917

Client Name: SCS Engineers

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 - 9 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.5

Temp Blank Present: ☑ yes ☐ no **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: 1/18/25 /Initials: KKS

Labeled By Initials: MVS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. "Specify Container Size" + "Identify Container Preservative Type" box not filled out. 1/18/25 KKS
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:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
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: Water		
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

C5 April 2025 Laboratory Report

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

May 16, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

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 Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40294105001	**MW-301**	Water	04/22/25 09:45	04/24/25 08:15
40294105002	**MW-302**	Water	04/22/25 11:10	04/24/25 08:15
40294105003	**MW-303**	Water	04/22/25 13:30	04/24/25 08:15
40294105004	**MW-304**	Water	04/22/25 12:25	04/24/25 08:15
40294105005	**2R-OW**	Water	04/23/25 11:00	04/24/25 08:15
40294105006	**FIELD BLANK**	Water	04/23/25 11:40	04/24/25 08:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40294105001	**MW-301**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	TXW	3	PASI-G
40294105002	**MW-302**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	AJS1, TXW	3	PASI-G
40294105003	**MW-303**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	TXW	3	PASI-G
40294105004	**MW-304**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
			AG1	6	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	AJS1, TXW	3	PASI-G
40294105005	**2R-OW**	EPA 6020B	KXS	14	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: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	AF	1	PASI-G
			AG1	7	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	TXW	3	PASI-G
40294105006	**FIELD BLANK**	EPA 6020B	KXS	14	PASI-G
		EPA 7470	AF	1	PASI-G
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		SM 2540C	LMB	1	PASI-G
		EPA 9040	HML	1	PASI-G
		EPA 300.0	TXW	3	PASI-G

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-301 **Lab ID: 40294105001** Collected: 04/22/25 09:45 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 18:54	7440-36-0	
Arsenic	**1.6**	ug/L	1.0	0.28	1	04/25/25 07:50	04/29/25 18:54	7440-38-2	
Barium	**24.2**	ug/L	2.3	0.70	1	04/25/25 07:50	04/29/25 18:54	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	04/25/25 07:50	04/29/25 18:54	7440-41-7	
Boron	**6350**	ug/L	500	152	50	04/25/25 07:50	04/30/25 09:59	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 18:54	7440-43-9	
Calcium	**98700**	ug/L	254	76.2	1	04/25/25 07:50	04/29/25 18:54	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	04/25/25 07:50	04/29/25 18:54	7440-47-3	
Cobalt	**0.21J**	ug/L	1.0	0.12	1	04/25/25 07:50	04/29/25 18:54	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	04/25/25 07:50	04/29/25 18:54	7439-92-1	
Lithium	**8.8**	ug/L	1.0	0.22	1	04/25/25 07:50	04/29/25 18:54	7439-93-2	
Molybdenum	**1820**	ug/L	73.5	22.1	50	04/25/25 07:50	04/30/25 09:59	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	04/25/25 07:50	04/29/25 18:54	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	04/25/25 07:50	04/29/25 18:54	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 12:49	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.58**	Std. Units			1		04/22/25 09:45		
Field Specific Conductance	**794**	umhos/cm			1		04/22/25 09:45		
Oxygen, Dissolved	**2.59**	mg/L			1		04/22/25 09:45	7782-44-7	
REDOX	**23**	mV			1		04/22/25 09:45		
Turbidity	**30.3**	NTU			1		04/22/25 09:45		
Static Water Level	**598.22**	feet			1		04/22/25 09:45		
Temperature, Water (C)	**9.3**	deg C			1		04/22/25 09:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**576**	mg/L	20.0	8.7	1		04/24/25 14:56		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.010	1		04/24/25 16:01		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**21.7**	mg/L	2.0	0.59	1		05/04/25 09:30	16887-00-6	
Fluoride	**0.19J**	mg/L	0.32	0.095	1		05/04/25 09:30	16984-48-8	
Sulfate	**185**	mg/L	10.0	2.2	5		05/04/25 08:58	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-302 **Lab ID: 40294105002** Collected: 04/22/25 11:10 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 18:58	7440-36-0	
Arsenic	**8.5**	ug/L	1.0	0.28	1	04/25/25 07:50	04/29/25 18:58	7440-38-2	
Barium	**53.3**	ug/L	2.3	0.70	1	04/25/25 07:50	04/29/25 18:58	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	04/25/25 07:50	04/29/25 18:58	7440-41-7	
Boron	**1570**	ug/L	10.0	3.0	1	04/25/25 07:50	04/29/25 18:58	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 18:58	7440-43-9	
Calcium	**47900**	ug/L	254	76.2	1	04/25/25 07:50	04/29/25 18:58	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	04/25/25 07:50	04/29/25 18:58	7440-47-3	
Cobalt	**0.26J**	ug/L	1.0	0.12	1	04/25/25 07:50	04/29/25 18:58	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	04/25/25 07:50	04/29/25 18:58	7439-92-1	
Lithium	**49.5**	ug/L	1.0	0.22	1	04/25/25 07:50	04/29/25 18:58	7439-93-2	
Molybdenum	**343**	ug/L	1.5	0.44	1	04/25/25 07:50	04/29/25 18:58	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	04/25/25 07:50	04/29/25 18:58	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	04/25/25 07:50	04/29/25 18:58	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 12:52	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.96**	Std. Units			1		04/22/25 11:10		
Field Specific Conductance	**450**	umhos/cm			1		04/22/25 11:10		
Oxygen, Dissolved	**1.02**	mg/L			1		04/22/25 11:10	7782-44-7	
REDOX	**-33**	mV			1		04/22/25 11:10		
Turbidity	**37.8**	NTU			1		04/22/25 11:10		
Static Water Level	**593.96**	feet			1		04/22/25 11:10		
Temperature, Water (C)	**10.2**	deg C			1		04/22/25 11:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**332**	mg/L	20.0	8.7	1		04/24/25 14:56		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.1**	Std. Units	0.10	0.010	1		04/24/25 16:05		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**17.5**	mg/L	2.0	0.59	1		05/04/25 10:03	16887-00-6	
Fluoride	**0.72**	mg/L	0.32	0.095	1		05/04/25 10:03	16984-48-8	
Sulfate	**73.9**	mg/L	4.0	0.89	2		05/05/25 10:02	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-303 **Lab ID: 40294105003** Collected: 04/22/25 13:30 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:03	7440-36-0	
Arsenic	**24.4**	ug/L	1.0	0.28	1	04/25/25 07:50	04/29/25 19:03	7440-38-2	
Barium	**122**	ug/L	2.3	0.70	1	04/25/25 07:50	04/29/25 19:03	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	04/25/25 07:50	04/29/25 19:03	7440-41-7	
Boron	**4780**	ug/L	200	60.6	20	04/25/25 07:50	04/30/25 10:04	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:03	7440-43-9	
Calcium	**139000**	ug/L	254	76.2	1	04/25/25 07:50	04/29/25 19:03	7440-70-2	
Chromium	**3.1J**	ug/L	3.4	1.0	1	04/25/25 07:50	04/29/25 19:03	7440-47-3	
Cobalt	**2.0**	ug/L	1.0	0.12	1	04/25/25 07:50	04/29/25 19:03	7440-48-4	
Lead	**0.83J**	ug/L	1.0	0.24	1	04/25/25 07:50	04/29/25 19:03	7439-92-1	
Lithium	**10.4**	ug/L	1.0	0.22	1	04/25/25 07:50	04/29/25 19:03	7439-93-2	
Molybdenum	**3.8**	ug/L	1.5	0.44	1	04/25/25 07:50	04/29/25 19:03	7439-98-7	
Selenium	**0.35J**	ug/L	1.1	0.32	1	04/25/25 07:50	04/29/25 19:03	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	04/25/25 07:50	04/29/25 19:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 12:55	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.04**	Std. Units			1		04/22/25 13:30		
Field Specific Conductance	**1135**	umhos/cm			1		04/22/25 13:30		
Oxygen, Dissolved	**3.95**	mg/L			1		04/22/25 13:30	7782-44-7	
REDOX	**-64**	mV			1		04/22/25 13:30		
Turbidity	**196.0**	NTU			1		04/22/25 13:30		
Static Water Level	**588.15**	feet			1		04/22/25 13:30		
Temperature, Water (C)	**8.5**	deg C			1		04/22/25 13:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**738**	mg/L	20.0	8.7	1		04/24/25 14:56		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.010	1		04/24/25 16:07		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**23.2**	mg/L	2.0	0.59	1		05/04/25 10:57	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		05/04/25 10:57	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		05/04/25 10:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-304 **Lab ID: 40294105004** Collected: 04/22/25 12:25 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.30**	ug/L	2.0	0.30	2	04/25/25 07:50	04/29/25 19:07	7440-36-0	D3
Arsenic	**7.9**	ug/L	2.0	0.56	2	04/25/25 07:50	04/29/25 19:07	7440-38-2	
Barium	**314**	ug/L	4.7	1.4	2	04/25/25 07:50	04/29/25 19:07	7440-39-3	
Beryllium	**1.6J**	ug/L	2.0	0.49	2	04/25/25 07:50	04/29/25 19:07	7440-41-7	D3
Boron	**4290**	ug/L	20.0	6.1	2	04/25/25 07:50	04/29/25 19:07	7440-42-8	
Cadmium	**0.38J**	ug/L	2.0	0.30	2	04/25/25 07:50	04/29/25 19:07	7440-43-9	D3
Calcium	**440000**	ug/L	508	152	2	04/25/25 07:50	04/29/25 19:07	7440-70-2	
Chromium	**49.8**	ug/L	6.8	2.0	2	04/25/25 07:50	04/29/25 19:07	7440-47-3	
Cobalt	**16.3**	ug/L	2.0	0.23	2	04/25/25 07:50	04/29/25 19:07	7440-48-4	
Lead	**13.8**	ug/L	2.0	0.47	2	04/25/25 07:50	04/29/25 19:07	7439-92-1	
Lithium	**119**	ug/L	2.0	0.44	2	04/25/25 07:50	04/29/25 19:07	7439-93-2	
Molybdenum	**1840**	ug/L	2.9	0.88	2	04/25/25 07:50	04/29/25 19:07	7439-98-7	
Selenium	**<1.6**	ug/L	5.3	1.6	5	04/25/25 07:50	04/30/25 10:08	7782-49-2	D3
Thallium	**0.35J**	ug/L	2.0	0.28	2	04/25/25 07:50	04/29/25 19:07	7440-28-0	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 13:04	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.76**	Std. Units			1		04/22/25 12:25		
Field Specific Conductance	**512**	umhos/cm			1		04/22/25 12:25		
Oxygen, Dissolved	**0.85**	mg/L			1		04/22/25 12:25	7782-44-7	
REDOX	**60**	mV			1		04/22/25 12:25		
Static Water Level	**593.68**	feet			1		04/22/25 12:25		
Temperature, Water (C)	**9.6**	deg C			1		04/22/25 12:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**412**	mg/L	20.0	8.7	1		04/24/25 14:57		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**8.0**	Std. Units	0.10	0.010	1		04/24/25 16:10		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**28.9**	mg/L	2.0	0.59	1		05/04/25 11:08	16887-00-6	
Fluoride	**0.88**	mg/L	0.32	0.095	1		05/04/25 11:08	16984-48-8	
Sulfate	**87.7**	mg/L	4.0	0.89	2		05/05/25 10:13	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: 2R-OW **Lab ID: 40294105005** Collected: 04/23/25 11:00 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:12	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	04/25/25 07:50	04/29/25 19:12	7440-38-2	
Barium	**113**	ug/L	2.3	0.70	1	04/25/25 07:50	04/29/25 19:12	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	04/25/25 07:50	04/29/25 19:12	7440-41-7	
Boron	**38.6**	ug/L	10.0	3.0	1	04/25/25 07:50	04/29/25 19:12	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:12	7440-43-9	
Calcium	**105000**	ug/L	254	76.2	1	04/25/25 07:50	04/29/25 19:12	7440-70-2	
Chromium	**1.9J**	ug/L	3.4	1.0	1	04/25/25 07:50	04/29/25 19:12	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	04/25/25 07:50	04/29/25 19:12	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	04/25/25 07:50	04/29/25 19:12	7439-92-1	
Lithium	**2.9**	ug/L	1.0	0.22	1	04/25/25 07:50	04/29/25 19:12	7439-93-2	
Molybdenum	**0.48J**	ug/L	1.5	0.44	1	04/25/25 07:50	04/29/25 19:12	7439-98-7	
Selenium	**0.45J**	ug/L	1.1	0.32	1	04/25/25 07:50	04/29/25 19:12	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	04/25/25 07:50	04/29/25 19:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 13:07	7439-97-6	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.30**	Std. Units			1		04/23/25 11:00		
Field Specific Conductance	**950**	umhos/cm			1		04/23/25 11:00		
Oxygen, Dissolved	**2.89**	mg/L			1		04/23/25 11:00	7782-44-7	
REDOX	**106**	mV			1		04/23/25 11:00		
Turbidity	**4.95**	NTU			1		04/23/25 11:00		
Static Water Level	**608.15**	feet			1		04/23/25 11:00		
Temperature, Water (C)	**7.4**	deg C			1		04/23/25 11:00		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**546**	mg/L	20.0	8.7	1		04/29/25 16:32		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.010	1		04/24/25 16:12		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**98.5**	mg/L	10.0	3.0	5		05/04/25 11:19	16887-00-6	
Fluoride	**<0.48**	mg/L	1.6	0.48	5		05/04/25 11:19	16984-48-8	D3
Sulfate	**9.4J**	mg/L	10.0	2.2	5		05/04/25 11:19	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: FIELD BLANK **Lab ID: 40294105006** Collected: 04/23/25 11:40 Received: 04/24/25 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:16	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	04/25/25 07:50	04/29/25 19:16	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	04/25/25 07:50	04/29/25 19:16	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	04/25/25 07:50	04/29/25 19:16	7440-41-7	
Boron	**<3.0**	ug/L	10.0	3.0	1	04/25/25 07:50	04/30/25 09:50	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	04/25/25 07:50	04/29/25 19:16	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	04/25/25 07:50	04/29/25 19:16	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	04/25/25 07:50	04/29/25 19:16	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	04/25/25 07:50	04/29/25 19:16	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	04/25/25 07:50	04/29/25 19:16	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	04/25/25 07:50	04/29/25 19:16	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	04/25/25 07:50	04/29/25 19:16	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	04/25/25 07:50	04/29/25 19:16	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	04/25/25 07:50	04/29/25 19:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.066**	ug/L	0.20	0.066	1	04/30/25 12:15	05/01/25 13:10	7439-97-6	
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		04/29/25 16:32		
9040 pH	Analytical Method: EPA 9040 Pace Analytical Services - Green Bay								
pH at 25 Degrees C	**6.6**	Std. Units	0.10	0.010	1		04/24/25 16:28		H6
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		05/04/25 11:30	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		05/04/25 11:30	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		05/04/25 11:30	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 503281
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

METHOD BLANK: 2873637 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	05/01/25 12:15	

LABORATORY CONTROL SAMPLE: 2873638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2873639 2873640

Parameter	Units	40294298007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	4.8	4.8	96	95	85-115	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 502899
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

METHOD BLANK: 2871567 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	04/29/25 17:06	
Arsenic	ug/L	<0.28	1.0	04/29/25 17:06	
Barium	ug/L	<0.70	2.3	04/29/25 17:06	
Beryllium	ug/L	<0.25	1.0	04/29/25 17:06	
Boron	ug/L	<3.0	10.0	04/29/25 17:06	
Cadmium	ug/L	<0.15	1.0	04/29/25 17:06	
Calcium	ug/L	<76.2	254	04/29/25 17:06	
Chromium	ug/L	<1.0	3.4	04/29/25 17:06	
Cobalt	ug/L	<0.12	1.0	04/29/25 17:06	
Lead	ug/L	<0.24	1.0	04/29/25 17:06	
Lithium	ug/L	<0.22	1.0	04/29/25 17:06	
Molybdenum	ug/L	<0.44	1.5	04/29/25 17:06	
Selenium	ug/L	<0.32	1.1	04/29/25 17:06	
Thallium	ug/L	<0.14	1.0	04/29/25 17:06	

LABORATORY CONTROL SAMPLE: 2871568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	245	98	80-120	
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	243	97	80-120	
Beryllium	ug/L	250	262	105	80-120	
Boron	ug/L	250	239	96	80-120	
Cadmium	ug/L	250	251	100	80-120	
Calcium	ug/L	10000	9560	96	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	244	98	80-120	
Lead	ug/L	250	246	98	80-120	
Lithium	ug/L	250	255	102	80-120	
Molybdenum	ug/L	250	247	99	80-120	
Selenium	ug/L	250	253	101	80-120	
Thallium	ug/L	250	243	97	80-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2871569 2871570

Parameter	Units	40294085001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.21J	250	250	251	246	100	98	75-125	2	20	
Arsenic	ug/L	<0.28	250	250	255	251	102	101	75-125	1	20	
Barium	ug/L	25.5	250	250	274	269	99	98	75-125	2	20	
Beryllium	ug/L	<0.25	250	250	258	258	103	103	75-125	0	20	
Boron	ug/L	540	250	250	783	772	98	93	75-125	1	20	
Cadmium	ug/L	<0.15	250	250	256	249	102	100	75-125	3	20	
Calcium	ug/L	102000	10000	10000	116000	114000	144	124	75-125	2	20	P6
Chromium	ug/L	<1.0	250	250	249	246	100	98	75-125	1	20	
Cobalt	ug/L	<0.12	250	250	241	238	96	95	75-125	1	20	
Lead	ug/L	<0.24	250	250	252	248	101	99	75-125	1	20	
Lithium	ug/L	1.7	250	250	258	255	102	101	75-125	1	20	
Molybdenum	ug/L	12.2	250	250	266	263	102	100	75-125	1	20	
Selenium	ug/L	27.2	250	250	280	276	101	100	75-125	1	20	
Thallium	ug/L	0.16J	250	250	257	253	103	101	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 502870 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004

METHOD BLANK: 2871186 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/24/25 14:54	

LABORATORY CONTROL SAMPLE: 2871187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	578	560	97	80-120	

SAMPLE DUPLICATE: 2871188

Parameter	Units	40294036001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	578	600	4	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 503019
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105005, 40294105006

METHOD BLANK: 2872613 Matrix: Water
Associated Lab Samples: 40294105005, 40294105006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	04/29/25 16:31	

LABORATORY CONTROL SAMPLE: 2872614

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	578	514	89	80-120	

SAMPLE DUPLICATE: 2872615

Parameter	Units	40294119001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	534	524	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 502882
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

SAMPLE DUPLICATE: 2871341

Parameter	Units	40294105001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.8	0	20	H6

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
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QUALITY CONTROL DATA

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 503542 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

METHOD BLANK: 2875121 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	05/04/25 08:36	
Fluoride	mg/L	<0.095	0.32	05/04/25 08:36	
Sulfate	mg/L	<0.44	2.0	05/04/25 08:36	

LABORATORY CONTROL SAMPLE: 2875122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.2	101	90-110	
Fluoride	mg/L	2	2.1	105	90-110	
Sulfate	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2875123 2875124

Parameter	Units	40294105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	21.7	20	20	42.0	42.2	101	103	90-110	1	15	
Fluoride	mg/L	0.19J	2	2	2.4	2.4	109	109	90-110	1	15	
Sulfate	mg/L	185	100	100	280	280	95	94	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2875125 2875126

Parameter	Units	40294106004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.7	20	20	23.6	23.6	105	105	90-110	0	15	
Fluoride	mg/L	0.45	2	2	2.6	2.6	106	107	90-110	1	15	
Sulfate	mg/L	16.7	20	20	37.8	38.0	106	107	90-110	0	15	

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-301 **Lab ID: 40294105001** Collected: 04/22/25 09:45 Received: 04/24/25 08:15 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	**0.324 ± 0.709 (1.26) C:NA T:95%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.09 ± 0.497 (1.00) C:73% T:82%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.41 ± 1.21 (2.26)**	pCi/L	05/16/25 10:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-302 **Lab ID: 40294105002** Collected: 04/22/25 11:10 Received: 04/24/25 08:15 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	**-0.250 ± 0.389 (1.00) C:NA T:94%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.775 ± 0.447 (1.00) C:80% T:88%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.775 ± 0.836 (2.00)**	pCi/L	05/16/25 10:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-303 **Lab ID: 40294105003** Collected: 04/22/25 13:30 Received: 04/24/25 08:15 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	**0.612 ± 0.682 (1.11) C:NA T:96%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.738 ± 0.468 (1.00) C:80% T:82%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.35 ± 1.15 (2.11)**	pCi/L	05/16/25 10:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: MW-304 **Lab ID: 40294105004** Collected: 04/22/25 12:25 Received: 04/24/25 08:15 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	**0.141 ± 0.999 (1.83) C:NA T:91%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.74 ± 0.541 (1.00) C:86% T:82%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.88 ± 1.54 (2.83)**	pCi/L	05/16/25 10:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: 2R-OW **Lab ID: 40294105005** Collected: 04/23/25 11:00 Received: 04/24/25 08:15 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	**-0.0693 ± 0.705 (1.39) C:NA T:93%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.818 ± 0.397 (1.00) C:86% T:84%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.818 ± 1.10 (2.39)**	pCi/L	05/16/25 10:40	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Sample: FIELD BLANK **Lab ID: 40294105006** Collected: 04/23/25 11:40 Received: 04/24/25 08:15 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	**-0.0648 ± 0.582 (1.18) C:NA T:93%**	pCi/L	05/15/25 14:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.322 ± 0.370 (1.00) C:74% T:90%**	pCi/L	05/14/25 11:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**0.322 ± 0.952 (2.18)**	pCi/L	05/16/25 10:40	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: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 744311 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: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

METHOD BLANK: 3623055 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.571 ± 0.400 (0.775) C:75% T:83%	pCi/L	05/14/25 11:29	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALITY CONTROL - RADIOCHEMISTRY

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

QC Batch: 744308 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: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

METHOD BLANK: 3623049 Matrix: Water
Associated Lab Samples: 40294105001, 40294105002, 40294105003, 40294105004, 40294105005, 40294105006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.378 ± 0.320 (0.397) C:NA T:88%	pCi/L	05/15/25 14:33	

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: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

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.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40294105001	**MW-301**	EPA 3010A	502899	EPA 6020B	502978
40294105002	**MW-302**	EPA 3010A	502899	EPA 6020B	502978
40294105003	**MW-303**	EPA 3010A	502899	EPA 6020B	502978
40294105004	**MW-304**	EPA 3010A	502899	EPA 6020B	502978
40294105005	**2R-OW**	EPA 3010A	502899	EPA 6020B	502978
40294105006	**FIELD BLANK**	EPA 3010A	502899	EPA 6020B	502978
40294105001	**MW-301**	EPA 7470	503281	EPA 7470	503341
40294105002	**MW-302**	EPA 7470	503281	EPA 7470	503341
40294105003	**MW-303**	EPA 7470	503281	EPA 7470	503341
40294105004	**MW-304**	EPA 7470	503281	EPA 7470	503341
40294105005	**2R-OW**	EPA 7470	503281	EPA 7470	503341
40294105006	**FIELD BLANK**	EPA 7470	503281	EPA 7470	503341
40294105001	**MW-301**				
40294105002	**MW-302**				
40294105003	**MW-303**				
40294105004	**MW-304**				
40294105005	**2R-OW**				
40294105001	**MW-301**	EPA 903.1	744308		
40294105002	**MW-302**	EPA 903.1	744308		
40294105003	**MW-303**	EPA 903.1	744308		
40294105004	**MW-304**	EPA 903.1	744308		
40294105005	**2R-OW**	EPA 903.1	744308		
40294105006	**FIELD BLANK**	EPA 903.1	744308		
40294105001	**MW-301**	EPA 904.0	744311		
40294105002	**MW-302**	EPA 904.0	744311		
40294105003	**MW-303**	EPA 904.0	744311		
40294105004	**MW-304**	EPA 904.0	744311		
40294105005	**2R-OW**	EPA 904.0	744311		
40294105006	**FIELD BLANK**	EPA 904.0	744311		
40294105001	**MW-301**	Total Radium Calculation	746155		
40294105002	**MW-302**	Total Radium Calculation	746155		
40294105003	**MW-303**	Total Radium Calculation	746155		
40294105004	**MW-304**	Total Radium Calculation	746155		
40294105005	**2R-OW**	Total Radium Calculation	746155		
40294105006	**FIELD BLANK**	Total Radium Calculation	746155		
40294105001	**MW-301**	SM 2540C	502870		
40294105002	**MW-302**	SM 2540C	502870		
40294105003	**MW-303**	SM 2540C	502870		
40294105004	**MW-304**	SM 2540C	502870		
40294105005	**2R-OW**	SM 2540C	503019		
40294105006	**FIELD BLANK**	SM 2540C	503019		
40294105001	**MW-301**	EPA 9040	502882		
40294105002	**MW-302**	EPA 9040	502882		
40294105003	**MW-303**	EPA 9040	502882		
40294105004	**MW-304**	EPA 9040	502882		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2522069 EDGEWATER CCR (CLOSED
Pace Project No.: 40294105

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40294105005	**2R-OW**	EPA 9040	502882		
40294105006	**FIELD BLANK**	EPA 9040	502882		
40294105001	**MW-301**	EPA 300.0	503542		
40294105002	**MW-302**	EPA 300.0	503542		
40294105003	**MW-303**	EPA 300.0	503542		
40294105004	**MW-304**	EPA 300.0	503542		
40294105005	**2R-OW**	EPA 300.0	503542		
40294105006	**FIELD BLANK**	EPA 300.0	503542		

Pace® Location Requested (City/State):
Pace Analytical Green Bay

Pace® Analytical Green Bay
1241 Bellevue Street, Suite 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

40294105

Scan QR Code for instructions

Company Name:	SCS ENGINEERS	Contact/Report To:	Meghan Blodgett
Street Address:	2830 Dairy Drive Madison, WI 53718	Phone #:	608-216-7362
		E-Mail:	mblodgett@scsengineers.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	2522069 EDGEWATER CCR (CLOSED ASH I-4)	Invoice To:	Accounts Payable
		Invoice E-Mail:	aradunzel@scsengineers.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

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

County / State origin of sample(s): Wisconsin

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) 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: **Dan Milewsky**
AcctNum / Client ID:
Table #:
Profile / Template: **3946**
Prelog / Bottle Ord. ID: **EZ 3158328**

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Metals (6020 and 7471)	Radium 226 and 228	TDS, Cl/F/SO4, pH	Sample Comment	Preservation non-conformance identified for sample.
MW-301	WT	G			4/22/25	9:45	4			X	X	X	001	
MW-302	WT					11:10				X	X	X	002	
MW-303	WT					13:30				X	X	X	003	
MW-304	WT					12:25				X	X	X	004	
2R-OW	WT				4/23/25	11:00				X	X	X	005	
FIELD BLANK	WT					11:40				X	X	X	006	

Additional Instructions from Pace®:
Metals=Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Pb,Li,Mo,Se,Tl and Hg

Collected By:
(Printed Name): Will Ouimet
Signature: Will Ouimet

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Will Ouimet / SCS	4/23/25 16:30			N/A
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
CS Logistics	04/24/2025 08:15	Matt VanLoon Pace	04/24/2025 08:15	[ ] FedEx [ ] UPS [ ] 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

Page: 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_v02_110123 ©

Client Name: SCS Engineers

Sample Preservation Receipt Form

Project # 40294165

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

Lab Lot# of pH paper: 10D0144 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MS Date/ Time: 04/24/2025

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

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 clear plastic HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40294105

40294105

Client Name: SCS Engineers

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 **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: 04/24/2025 Initials: MW

Labeled By Initials: EC

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:	☑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

Page 2 of 2

C6 August 2025 Laboratory Reports

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

August 12, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 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

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40299731001	**29-OW**	Water	08/06/25 15:35	08/07/25 14:05
40299731002	**29-A**	Water	08/07/25 09:45	08/07/25 14:05
40299731003	**40-OW**	Water	08/07/25 11:30	08/07/25 14:05
40299731004	**1-OW**	Water	08/07/25 12:00	08/07/25 14:05
40299731005	**4R-OW**	Water	08/07/25 10:37	08/07/25 14:05
40299731006	**FIELD BLANK**	Water	08/07/25 12:20	08/07/25 14:05

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40299731001	**29-OW**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299731002	**29-A**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299731003	**40-OW**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299731004	**1-OW**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299731005	**4R-OW**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299731006	**FIELD BLANK**	EPA 6020B	KXS	15
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3

PASI-G = Pace Analytical Services - Green Bay

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: 29-OW **Lab ID: 40299731001** Collected: 08/06/25 15:35 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 21:53	7440-36-0	
Arsenic	**0.57J**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 21:53	7440-38-2	
Barium	**93.2**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 21:53	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 21:53	7440-41-7	
Boron	**8850**	ug/L	200	60.6	20	08/08/25 04:44	08/11/25 21:44	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 21:53	7440-43-9	
Calcium	**74500**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 21:53	7440-70-2	
Chromium	**1.2J**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 21:53	7440-47-3	
Cobalt	**0.25J**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 21:53	7440-48-4	
Lead	**0.45J**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 21:53	7439-92-1	
Lithium	**34.9**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 21:53	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 21:53	7439-97-6	
Molybdenum	**2460**	ug/L	29.4	8.8	20	08/08/25 04:44	08/11/25 21:44	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 21:53	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/11/25 21:53	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**432**	mg/L	20.0	8.7	1		08/07/25 16:26		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**16.0**	mg/L	2.0	0.59	1		08/08/25 14:56	16887-00-6	
Fluoride	**0.73**	mg/L	0.32	0.095	1		08/08/25 14:56	16984-48-8	
Sulfate	**76.6**	mg/L	4.0	0.89	2		08/11/25 13:25	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: 29-A **Lab ID: 40299731002** Collected: 08/07/25 09:45 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:02	7440-36-0	
Arsenic	**4.4**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 22:02	7440-38-2	
Barium	**16.2**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 22:02	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 22:02	7440-41-7	
Boron	**264**	ug/L	10.0	3.0	1	08/08/25 04:44	08/11/25 22:02	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:02	7440-43-9	
Calcium	**14200**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 22:02	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 22:02	7440-47-3	
Cobalt	**0.17J**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 22:02	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 22:02	7439-92-1	
Lithium	**2.9**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 22:02	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 22:02	7439-97-6	
Molybdenum	**13.4**	ug/L	1.5	0.44	1	08/08/25 04:44	08/11/25 22:02	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 22:02	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/11/25 22:02	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**204**	mg/L	20.0	8.7	1		08/07/25 16:26		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**3.3**	mg/L	2.0	0.59	1		08/08/25 15:07	16887-00-6	
Fluoride	**1.2**	mg/L	0.32	0.095	1		08/08/25 15:07	16984-48-8	
Sulfate	**37.3**	mg/L	2.0	0.44	1		08/08/25 15:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: 40-OW **Lab ID: 40299731003** Collected: 08/07/25 11:30 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:38	7440-36-0	
Arsenic	**0.74J**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 22:38	7440-38-2	
Barium	**98.6**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 22:38	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 22:38	7440-41-7	
Boron	**7380**	ug/L	500	152	50	08/08/25 04:44	08/11/25 22:07	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:38	7440-43-9	
Calcium	**205000**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 22:38	7440-70-2	
Chromium	**4.2**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 22:38	7440-47-3	
Cobalt	**1.0J**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 22:38	7440-48-4	
Lead	**1.5**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 22:38	7439-92-1	
Lithium	**16.2**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 22:38	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 22:38	7439-97-6	
Molybdenum	**566**	ug/L	1.5	0.44	1	08/08/25 04:44	08/11/25 22:38	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 22:38	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/09/25 02:46	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**1360**	mg/L	20.0	8.7	1		08/07/25 16:26		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**16.8J**	mg/L	40.0	11.8	20		08/08/25 15:18	16887-00-6	D3
Fluoride	**<1.9**	mg/L	6.3	1.9	20		08/08/25 15:18	16984-48-8	D3
Sulfate	**778**	mg/L	40.0	8.9	20		08/08/25 15:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: 1-OW **Lab ID: 40299731004** Collected: 08/07/25 12:00 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**0.15J**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:43	7440-36-0	
Arsenic	**0.50J**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 22:43	7440-38-2	
Barium	**99.3**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 22:43	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 22:43	7440-41-7	
Boron	**86.6**	ug/L	10.0	3.0	1	08/08/25 04:44	08/11/25 22:43	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:43	7440-43-9	
Calcium	**98500**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 22:43	7440-70-2	
Chromium	**1.4J**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 22:43	7440-47-3	
Cobalt	**0.32J**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 22:43	7440-48-4	
Lead	**0.40J**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 22:43	7439-92-1	
Lithium	**6.2**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 22:43	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 22:43	7439-97-6	
Molybdenum	**0.48J**	ug/L	1.5	0.44	1	08/08/25 04:44	08/11/25 22:43	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 22:43	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/09/25 02:51	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**432**	mg/L	20.0	8.7	1		08/07/25 16:27		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**11.2**	mg/L	2.0	0.59	1		08/08/25 15:29	16887-00-6	
Fluoride	**0.18J**	mg/L	0.32	0.095	1		08/08/25 15:29	16984-48-8	
Sulfate	**6.3**	mg/L	2.0	0.44	1		08/08/25 15:29	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: 4R-OW **Lab ID: 40299731005** Collected: 08/07/25 10:37 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:47	7440-36-0	
Arsenic	**0.61J**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 22:47	7440-38-2	
Barium	**66.0**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 22:47	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 22:47	7440-41-7	
Boron	**14000**	ug/L	1000	303	100	08/08/25 04:44	08/11/25 22:11	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:47	7440-43-9	
Calcium	**155000**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 22:47	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 22:47	7440-47-3	
Cobalt	**0.21J**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 22:47	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 22:47	7439-92-1	
Lithium	**57.5**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 22:47	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 22:47	7439-97-6	
Molybdenum	**1290**	ug/L	147	44.2	100	08/08/25 04:44	08/11/25 22:11	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 22:47	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/09/25 02:55	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**616**	mg/L	20.0	8.7	1		08/07/25 16:26		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**2.5**	mg/L	2.0	0.59	1		08/08/25 16:12	16887-00-6	
Fluoride	**0.18J**	mg/L	0.32	0.095	1		08/08/25 16:12	16984-48-8	
Sulfate	**147**	mg/L	10.0	2.2	5		08/08/25 18:54	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Sample: FIELD BLANK **Lab ID: 40299731006** Collected: 08/07/25 12:20 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:29	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 22:29	7440-38-2	
Barium	**<0.70**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 22:29	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 22:29	7440-41-7	
Boron	**<3.0**	ug/L	10.0	3.0	1	08/08/25 04:44	08/11/25 22:29	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 22:29	7440-43-9	
Calcium	**<76.2**	ug/L	254	76.2	1	08/08/25 04:44	08/11/25 22:29	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 22:29	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 22:29	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 22:29	7439-92-1	
Lithium	**<0.22**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 22:29	7439-93-2	
Mercury	**<0.093**	ug/L	0.31	0.093	1	08/08/25 04:44	08/11/25 22:29	7439-97-6	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	08/08/25 04:44	08/11/25 22:29	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 22:29	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/09/25 03:00	7440-28-0	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**12.0J**	mg/L	20.0	8.7	1		08/07/25 16:27		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<0.59**	mg/L	2.0	0.59	1		08/08/25 16:23	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		08/08/25 16:23	16984-48-8	
Sulfate	**<0.44**	mg/L	2.0	0.44	1		08/08/25 16:23	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

QC Batch: 512705
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

METHOD BLANK: 2926771 Matrix: Water
Associated Lab Samples: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	08/11/25 20:42	
Arsenic	ug/L	<0.28	1.0	08/11/25 20:42	
Barium	ug/L	<0.70	2.3	08/11/25 20:42	
Beryllium	ug/L	<0.25	1.0	08/11/25 20:42	
Boron	ug/L	<3.0	10.0	08/11/25 20:42	
Cadmium	ug/L	<0.15	1.0	08/11/25 20:42	
Calcium	ug/L	<76.2	254	08/11/25 20:42	
Chromium	ug/L	<1.0	3.4	08/11/25 20:42	
Cobalt	ug/L	<0.12	1.0	08/11/25 20:42	
Lead	ug/L	<0.24	1.0	08/11/25 20:42	
Lithium	ug/L	<0.22	1.0	08/11/25 20:42	
Mercury	ug/L	<0.093	0.31	08/11/25 20:42	
Molybdenum	ug/L	<0.44	1.5	08/11/25 20:42	
Selenium	ug/L	<0.32	1.1	08/11/25 20:42	
Thallium	ug/L	<0.14	1.0	08/11/25 20:42	

LABORATORY CONTROL SAMPLE: 2926772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	254	101	80-120	
Arsenic	ug/L	250	256	102	80-120	
Barium	ug/L	250	248	99	80-120	
Beryllium	ug/L	250	263	105	80-120	
Boron	ug/L	250	238	95	80-120	
Cadmium	ug/L	250	253	101	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	250	249	99	80-120	
Cobalt	ug/L	250	253	101	80-120	
Lead	ug/L	250	247	99	80-120	
Lithium	ug/L	250	259	103	80-120	
Mercury	ug/L	5	5.2	103	80-120	
Molybdenum	ug/L	250	252	101	80-120	
Selenium	ug/L	250	264	106	80-120	
Thallium	ug/L	250	248	99	80-120	

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 DATA

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926773 2926774

Parameter	Units	40299638001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	243	256	97	102	75-125	5	20	
Arsenic	ug/L	<0.28	250	250	243	259	97	104	75-125	7	20	
Barium	ug/L	154	250	250	381	403	91	99	75-125	6	20	
Beryllium	ug/L	<0.25	250	250	260	270	104	108	75-125	4	20	
Boron	ug/L	29.8	250	250	258	270	91	96	75-125	4	20	
Cadmium	ug/L	<0.15	250	250	235	248	94	99	75-125	6	20	
Calcium	ug/L	163000	10000	10000	171000	182000	84	186	75-125	6	20	P6
Chromium	ug/L	2.7J	250	250	235	249	93	98	75-125	6	20	
Cobalt	ug/L	<0.12	250	250	232	246	93	98	75-125	6	20	
Lead	ug/L	<0.24	250	250	239	253	96	101	75-125	6	20	
Lithium	ug/L	15.1	250	250	264	276	100	104	75-125	4	20	
Mercury	ug/L	<0.093	5	5	5.2	5.5	102	108	75-125	6	20	
Molybdenum	ug/L	0.47J	250	250	247	260	99	104	75-125	5	20	
Selenium	ug/L	<0.32	250	250	244	261	97	104	75-125	7	20	
Thallium	ug/L	<0.14	250	250	224	239	90	96	75-125	6	20	

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 DATA

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

QC Batch: 512668 | Analysis Method: SM 2540C
QC Batch Method: SM 2540C | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

METHOD BLANK: 2926623 Matrix: Water
Associated Lab Samples: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	08/07/25 16:23	

LABORATORY CONTROL SAMPLE: 2926624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	574	98	80-120	

SAMPLE DUPLICATE: 2926625

Parameter	Units	40299648001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	604	600	1	10	

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 DATA

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

QC Batch: 512667
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: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

METHOD BLANK: 2926617 Matrix: Water
Associated Lab Samples: 40299731001, 40299731002, 40299731003, 40299731004, 40299731005, 40299731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	08/08/25 14:02	
Fluoride	mg/L	<0.095	0.32	08/08/25 14:02	
Sulfate	mg/L	<0.44	2.0	08/08/25 14:02	

LABORATORY CONTROL SAMPLE: 2926618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	18.6	93	90-110	
Fluoride	mg/L	2	2.0	98	90-110	
Sulfate	mg/L	20	19.1	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926626 2926627

Parameter	Units	40299713001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.4	20	20	29.2	29.4	94	95	90-110	1	15	
Fluoride	mg/L	0.29J	2	2	2.3	2.3	100	102	90-110	2	15	
Sulfate	mg/L	9.5	20	20	27.4	27.6	89	90	90-110	1	15	M0

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: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

DEFINITIONS

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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299731

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299731001	**29-OW**	EPA 3010A	512705	EPA 6020B	512760
40299731002	**29-A**	EPA 3010A	512705	EPA 6020B	512760
40299731003	**40-OW**	EPA 3010A	512705	EPA 6020B	512760
40299731004	**1-OW**	EPA 3010A	512705	EPA 6020B	512760
40299731005	**4R-OW**	EPA 3010A	512705	EPA 6020B	512760
40299731006	**FIELD BLANK**	EPA 3010A	512705	EPA 6020B	512760
40299731001	**29-OW**	SM 2540C	512668		
40299731002	**29-A**	SM 2540C	512668		
40299731003	**40-OW**	SM 2540C	512668		
40299731004	**1-OW**	SM 2540C	512668		
40299731005	**4R-OW**	SM 2540C	512668		
40299731006	**FIELD BLANK**	SM 2540C	512668		
40299731001	**29-OW**	EPA 300.0	512667		
40299731002	**29-A**	EPA 300.0	512667		
40299731003	**40-OW**	EPA 300.0	512667		
40299731004	**1-OW**	EPA 300.0	512667		
40299731005	**4R-OW**	EPA 300.0	512667		
40299731006	**FIELD BLANK**	EPA 300.0	512667		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299731

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers	Billing Information:
Address: 2830 Dairy Dr., Madison, WI, 53718	
Report To: Meg Bladgett	Email To: MBladgett@scsengineers.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Edgewater / 25225066	State: WI County/City: Sheboygan Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Will Ouimet	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): William Ouimet	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [X] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: U | 1

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: TDS, Cl/F/SO4	Analyses: Metals (CAM & 7470)	Lab Profile/Line
29-OW	GW	G	8/6	15:35				4	X	X	001
29-A			8/7	9:45				4	X	X	002
40-OW			8/7	11:30				3	X	X	003
1-OW			8/7	12:00				3	X	X	004
4R-OW			8/7	10:37				4	X	X	005
Field Blank	W		8/7	12:20				4	X	X	006

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples In Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2767000

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 142
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0.5+ oC
Cooler 1 Corrected Temp: 2.5 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
William Ouimet / SCS	8/7/25 14:05	Pace	8/7/25 1405
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: SCS Engineers **Sample Preservation Receipt Form** Project # 40299731

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

Lab Lot# of pH paper: 10 D3242 Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic						Vials						Jars				General								
Pace Lab #	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	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1																					X		2.5 / 5
002									1		1																					X		2.5 / 5
003									1		1																					X		2.5 / 5
004									1		1																					X		2.5 / 5
005									1		1																					X		2.5 / 5
006									1		1																					X		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		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

MCH 8/7/25

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	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40299731

40299731

Client Name: SCS Engineers

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 - 142 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.5

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

Person examining contents:
Date: 8/7/25 /Initials: MCH

Labeled By Initials: EL

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. 2day TAT mcH 8/7/25
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
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

Page 2 of 2

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

August 15, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 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

Report revised to correct a matrix spike error for fluoride. This replaces the report generated August 12, 2025.

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40299638001	**2R-OW**	Water	08/05/25 10:50	08/06/25 15:55
40299638002	**MW-301**	Water	08/04/25 11:10	08/06/25 15:55
40299638003	**MW-302**	Water	08/04/25 13:50	08/06/25 15:55
40299638004	**MW-303**	Water	08/05/25 09:05	08/06/25 15:55
40299638005	**MW-304**	Water	08/04/25 16:25	08/06/25 15:55
40299638006	**5A**	Water	08/06/25 09:50	08/06/25 15:55
40299638007	**5-OW**	Water	08/05/25 15:30	08/06/25 15:55
40299638008	**6R-OW**	Water	08/06/25 14:35	08/06/25 15:55
40299638009	**MW-305**	Water	08/06/25 12:28	08/06/25 15:55
40299638010	**31-OW**	Water	08/06/25 10:35	08/06/25 15:55
40299638011	**3R-OW**	Water	08/05/25 14:35	08/06/25 15:55
40299638012	**32-OW**	Water	08/05/25 16:25	08/06/25 15:55
40299638013	**7A**	Water	08/04/25 12:10	08/06/25 15:55
40299638014	**7-OW**	Water	08/05/25 12:36	08/06/25 15:55
40299638015	**30-OW**	Water	08/04/25 15:40	08/06/25 15:55
40299638016	**6AR**	Water	08/06/25 13:30	08/06/25 15:55
40299638017	**39R-OW**	Water	08/05/25 13:20	08/06/25 15:55
40299638018	**38R-OW**	Water	08/05/25 13:40	08/06/25 15:55
40299638019	**37R-OW**	Water	08/05/25 13:55	08/06/25 15:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40299638001	**2R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638002	**MW-301**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638003	**MW-302**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638004	**MW-303**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638005	**MW-304**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638006	**5A**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638007	**5-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638008	**6R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638009	**MW-305**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638010	**31-OW**	EPA 6020B	KXS	14

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638011	**3R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638012	**32-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638013	**7A**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638014	**7-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638015	**30-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638016	**6AR**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638017	**39R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638018	**38R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3
40299638019	**37R-OW**	EPA 6020B	KXS	14
		EPA 7470	AJT	1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C	LMB	1
		EPA 300.0	AJS1	3

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 2R-OW **Lab ID: 40299638001** Collected: 08/05/25 10:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 21:08	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/08/25 04:44	08/11/25 21:08	7440-38-2	
Barium	**154**	ug/L	2.3	0.70	1	08/08/25 04:44	08/11/25 21:08	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/08/25 04:44	08/11/25 21:08	7440-41-7	
Boron	**29.8**	ug/L	10.0	3.0	1	08/08/25 04:44	08/11/25 21:08	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/08/25 04:44	08/11/25 21:08	7440-43-9	
Calcium	**163000**	ug/L	2540	762	10	08/08/25 04:44	08/11/25 20:50	7440-70-2	P6
Chromium	**2.7J**	ug/L	3.4	1.0	1	08/08/25 04:44	08/11/25 21:08	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/08/25 04:44	08/11/25 21:08	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/08/25 04:44	08/11/25 21:08	7439-92-1	
Lithium	**15.1**	ug/L	1.0	0.22	1	08/08/25 04:44	08/11/25 21:08	7439-93-2	
Molybdenum	**0.47J**	ug/L	1.5	0.44	1	08/08/25 04:44	08/11/25 21:08	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/08/25 04:44	08/11/25 21:08	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/08/25 04:44	08/11/25 21:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:09	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**1310**	mg/L	20.0	8.7	1		08/07/25 15:14		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**533**	mg/L	40.0	11.8	20		08/11/25 12:50	16887-00-6	M0
Fluoride	**<0.95**	mg/L	3.2	0.95	10		08/07/25 14:57	16984-48-8	D3
Sulfate	**22.7**	mg/L	20.0	4.4	10		08/07/25 14:57	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: MW-301 **Lab ID: 40299638002** Collected: 08/04/25 11:10 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 06:50	7440-36-0	
Arsenic	**1.8**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 06:50	7440-38-2	
Barium	**24.9**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 06:50	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 06:50	7440-41-7	
Boron	**6750**	ug/L	500	152	50	08/07/25 08:57	08/12/25 06:31	7440-42-8	P6
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 06:50	7440-43-9	
Calcium	**107000**	ug/L	12700	3810	50	08/07/25 08:57	08/12/25 06:31	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 06:50	7440-47-3	
Cobalt	**0.32J**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 06:50	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 06:50	7439-92-1	
Lithium	**8.6**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 06:50	7439-93-2	
Molybdenum	**1770**	ug/L	73.5	22.1	50	08/07/25 08:57	08/12/25 06:31	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 06:50	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 06:50	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:17	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**626**	mg/L	20.0	8.7	1		08/07/25 15:14		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**21.5**	mg/L	4.0	1.2	2		08/07/25 15:35	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 15:35	16984-48-8	D3
Sulfate	**184**	mg/L	10.0	2.2	5		08/11/25 13:28	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: MW-302 **Lab ID: 40299638003** Collected: 08/04/25 13:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:26	7440-36-0	
Arsenic	**7.1**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 07:26	7440-38-2	
Barium	**48.3**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 07:26	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 07:26	7440-41-7	
Boron	**1570**	ug/L	100	30.3	10	08/07/25 08:57	08/12/25 07:17	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:26	7440-43-9	
Calcium	**47600**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 07:26	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 07:26	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 07:26	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 07:26	7439-92-1	
Lithium	**48.8**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 07:26	7439-93-2	
Molybdenum	**345**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 07:26	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 07:26	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 07:26	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:26	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**352**	mg/L	20.0	8.7	1		08/07/25 15:14		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**17.2**	mg/L	2.0	0.59	1		08/07/25 15:48	16887-00-6	
Fluoride	**0.65**	mg/L	0.32	0.095	1		08/07/25 15:48	16984-48-8	
Sulfate	**78.2**	mg/L	10.0	2.2	5		08/11/25 13:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: MW-303 **Lab ID: 40299638004** Collected: 08/05/25 09:05 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:39	7440-36-0	
Arsenic	**22.8**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 07:39	7440-38-2	
Barium	**100**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 07:39	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 07:39	7440-41-7	
Boron	**5270**	ug/L	100	30.3	10	08/07/25 08:57	08/12/25 07:35	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:39	7440-43-9	
Calcium	**143000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 07:39	7440-70-2	
Chromium	**1.5J**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 07:39	7440-47-3	
Cobalt	**1.7**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 07:39	7440-48-4	
Lead	**0.44J**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 07:39	7439-92-1	
Lithium	**12.5**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 07:39	7439-93-2	
Molybdenum	**10.8**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 07:39	7439-98-7	
Selenium	**0.38J**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 07:39	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 07:39	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:28	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**696**	mg/L	20.0	8.7	1		08/07/25 15:14		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**20.3**	mg/L	2.0	0.59	1		08/11/25 13:54	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		08/11/25 13:54	16984-48-8	
Sulfate	**0.94J**	mg/L	2.0	0.44	1		08/11/25 13:54	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: MW-304 **Lab ID: 40299638005** Collected: 08/04/25 16:25 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:44	7440-36-0	
Arsenic	**1.5**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 07:44	7440-38-2	
Barium	**83.7**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 07:44	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 07:44	7440-41-7	
Boron	**3870**	ug/L	100	30.3	10	08/07/25 08:57	08/12/25 07:48	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 07:44	7440-43-9	
Calcium	**105000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 07:44	7440-70-2	
Chromium	**6.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 07:44	7440-47-3	
Cobalt	**2.1**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 07:44	7440-48-4	
Lead	**1.5**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 07:44	7439-92-1	
Lithium	**69.9**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 07:44	7439-93-2	
Molybdenum	**1770**	ug/L	14.7	4.4	10	08/07/25 08:57	08/12/25 07:48	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 07:44	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 07:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:31	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**426**	mg/L	20.0	8.7	1		08/07/25 15:14		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**28.6**	mg/L	4.0	1.2	2		08/07/25 16:14	16887-00-6	
Fluoride	**0.87**	mg/L	0.63	0.19	2		08/07/25 16:14	16984-48-8	
Sulfate	**83.9**	mg/L	4.0	0.89	2		08/07/25 16:14	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 5A **Lab ID: 40299638006** Collected: 08/06/25 09:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**0.24J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:11	7440-36-0	
Arsenic	**0.31J**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:11	7440-38-2	
Barium	**46.4**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:11	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:11	7440-41-7	
Boron	**5100**	ug/L	200	60.6	20	08/07/25 08:57	08/12/25 07:53	7440-42-8	
Cadmium	**0.16J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:11	7440-43-9	
Calcium	**91100**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:11	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:11	7440-47-3	
Cobalt	**0.18J**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:11	7440-48-4	
Lead	**3.2**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:11	7439-92-1	
Lithium	**53.5**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:11	7439-93-2	
Molybdenum	**306**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:11	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:11	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:34	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**516**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**13.1**	mg/L	4.0	1.2	2		08/07/25 16:27	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 16:27	16984-48-8	D3
Sulfate	**151**	mg/L	10.0	2.2	5		08/11/25 14:07	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 5-OW **Lab ID: 40299638007** Collected: 08/05/25 15:30 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:16	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:16	7440-38-2	
Barium	**47.6**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:16	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:16	7440-41-7	
Boron	**2230**	ug/L	100	30.3	10	08/07/25 08:57	08/12/25 07:58	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:16	7440-43-9	
Calcium	**109000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:16	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:16	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:16	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:16	7439-92-1	
Lithium	**7.5**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:16	7439-93-2	
Molybdenum	**387**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:16	7439-98-7	
Selenium	**3.3**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:16	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:16	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:37	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**466**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**24.1**	mg/L	2.0	0.59	1		08/11/25 14:58	16887-00-6	
Fluoride	**0.25J**	mg/L	0.32	0.095	1		08/11/25 14:58	16984-48-8	
Sulfate	**62.0**	mg/L	4.0	0.89	2		08/07/25 17:18	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 6R-OW **Lab ID: 40299638008** Collected: 08/06/25 14:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:20	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:20	7440-38-2	
Barium	**85.9**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:20	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:20	7440-41-7	
Boron	**188**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:20	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:20	7440-43-9	
Calcium	**111000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:20	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:20	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:20	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:20	7439-92-1	
Lithium	**2.2**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:20	7439-93-2	
Molybdenum	**2.0**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:20	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:20	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:40	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**554**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**4.4**	mg/L	4.0	1.2	2		08/07/25 17:31	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 17:31	16984-48-8	D3
Sulfate	**118**	mg/L	4.0	0.89	2		08/07/25 17:31	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: MW-305 **Lab ID: 40299638009** Collected: 08/06/25 12:28 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**0.17J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:25	7440-36-0	
Arsenic	**1.2**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:25	7440-38-2	
Barium	**193**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:25	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:25	7440-41-7	
Boron	**88.7**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:25	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:25	7440-43-9	
Calcium	**90300**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:25	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:25	7440-47-3	
Cobalt	**2.8**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:25	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:25	7439-92-1	
Lithium	**2.4**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:25	7439-93-2	
Molybdenum	**3.1**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:25	7439-98-7	
Selenium	**0.76J**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:25	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:25	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:42	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**462**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**14.5**	mg/L	2.0	0.59	1		08/11/25 15:11	16887-00-6	
Fluoride	**0.13J**	mg/L	0.32	0.095	1		08/11/25 15:11	16984-48-8	
Sulfate	**59.8**	mg/L	2.0	0.44	1		08/11/25 15:11	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 31-OW **Lab ID: 40299638010** Collected: 08/06/25 10:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:29	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:29	7440-38-2	
Barium	**41.7**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:29	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:29	7440-41-7	
Boron	**32.8**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:29	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:29	7440-43-9	
Calcium	**84700**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:29	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:29	7440-47-3	
Cobalt	**0.13J**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:29	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:29	7439-92-1	
Lithium	**1.4**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:29	7439-93-2	
Molybdenum	**2.0**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:29	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:29	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:29	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:45	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**428**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**14.9**	mg/L	2.0	0.59	1		08/11/25 15:24	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		08/11/25 15:24	16984-48-8	
Sulfate	**26.0**	mg/L	2.0	0.44	1		08/11/25 15:24	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 3R-OW **Lab ID: 40299638011** Collected: 08/05/25 14:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:34	7440-36-0	
Arsenic	**0.36J**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:34	7440-38-2	
Barium	**77.4**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:34	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:34	7440-41-7	
Boron	**445**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:34	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:34	7440-43-9	
Calcium	**219000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:34	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:34	7440-47-3	
Cobalt	**0.71J**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:34	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:34	7439-92-1	
Lithium	**2.8**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:34	7439-93-2	
Molybdenum	**1.3J**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:34	7439-98-7	
Selenium	**2.4**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:34	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:48	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**1130**	mg/L	20.0	8.7	1		08/07/25 15:15		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**6.0**	mg/L	4.0	1.2	2		08/07/25 18:10	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 18:10	16984-48-8	D3
Sulfate	**322**	mg/L	20.0	4.4	10		08/11/25 15:37	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 32-OW **Lab ID: 40299638012** Collected: 08/05/25 16:25 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:38	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:38	7440-38-2	
Barium	**27.7**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:38	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:38	7440-41-7	
Boron	**37.1**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:38	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:38	7440-43-9	
Calcium	**83900**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:38	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:38	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:38	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:38	7439-92-1	
Lithium	**2.6**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:38	7439-93-2	
Molybdenum	**<0.44**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:38	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:38	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:51	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**408**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**16.7**	mg/L	2.0	0.59	1		08/11/25 15:50	16887-00-6	
Fluoride	**<0.095**	mg/L	0.32	0.095	1		08/11/25 15:50	16984-48-8	
Sulfate	**14.3**	mg/L	2.0	0.44	1		08/11/25 15:50	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 7A **Lab ID: 40299638013** Collected: 08/04/25 12:10 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:43	7440-36-0	
Arsenic	**3.4**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:43	7440-38-2	
Barium	**37.4**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:43	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:43	7440-41-7	
Boron	**5550**	ug/L	100	30.3	10	08/07/25 08:57	08/12/25 10:04	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:43	7440-43-9	
Calcium	**55200**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:43	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:43	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:43	7440-48-4	
Lead	**0.34J**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:43	7439-92-1	
Lithium	**6.2**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:43	7439-93-2	
Molybdenum	**484**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:43	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 08:43	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 13:59	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**486**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**21.5**	mg/L	4.0	1.2	2		08/07/25 18:35	16887-00-6	
Fluoride	**0.56J**	mg/L	0.63	0.19	2		08/07/25 18:35	16984-48-8	D3
Sulfate	**177**	mg/L	10.0	2.2	5		08/11/25 16:03	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 7-OW **Lab ID: 40299638014** Collected: 08/05/25 12:36 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**0.52J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:47	7440-36-0	
Arsenic	**5.8**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 08:47	7440-38-2	
Barium	**246**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 08:47	7440-39-3	
Beryllium	**1.4**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 08:47	7440-41-7	
Boron	**1420**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 08:47	7440-42-8	
Cadmium	**0.23J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 08:47	7440-43-9	
Calcium	**189000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 08:47	7440-70-2	
Chromium	**34.9**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 08:47	7440-47-3	
Cobalt	**10.9**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 08:47	7440-48-4	
Lead	**19.3**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 08:47	7439-92-1	
Lithium	**57.8**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 08:47	7439-93-2	
Molybdenum	**10.5**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 08:47	7439-98-7	
Selenium	**<1.6**	ug/L	5.3	1.6	5	08/07/25 08:57	08/12/25 08:52	7782-49-2	D3
Thallium	**0.27J**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 08:47	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 12:12	08/12/25 14:02	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**692**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**21.0**	mg/L	4.0	1.2	2		08/07/25 18:48	16887-00-6	
Fluoride	**0.45J**	mg/L	0.63	0.19	2		08/07/25 18:48	16984-48-8	D3
Sulfate	**185**	mg/L	10.0	2.2	5		08/11/25 16:16	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 30-OW **Lab ID: 40299638015** Collected: 08/04/25 15:40 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**0.21J**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:17	7440-36-0	
Arsenic	**0.38J**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 09:17	7440-38-2	
Barium	**56.0**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 09:17	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 09:17	7440-41-7	
Boron	**168**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 09:17	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:17	7440-43-9	
Calcium	**123000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 09:17	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 09:17	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 09:17	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 09:17	7439-92-1	
Lithium	**2.5**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 09:17	7439-93-2	
Molybdenum	**1.7**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 09:17	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 09:17	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 09:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 11:16	08/12/25 10:52	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**688**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**157**	mg/L	10.0	3.0	5		08/11/25 16:28	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 19:01	16984-48-8	D3
Sulfate	**11.0**	mg/L	4.0	0.89	2		08/07/25 19:01	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 6AR **Lab ID: 40299638016** Collected: 08/06/25 13:30 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:21	7440-36-0	
Arsenic	**<0.28**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 09:21	7440-38-2	
Barium	**62.0**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 09:21	7440-39-3	
Beryllium	**<0.25**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 09:21	7440-41-7	
Boron	**419**	ug/L	10.0	3.0	1	08/07/25 08:57	08/12/25 09:21	7440-42-8	
Cadmium	**<0.15**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:21	7440-43-9	
Calcium	**107000**	ug/L	254	76.2	1	08/07/25 08:57	08/12/25 09:21	7440-70-2	
Chromium	**<1.0**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 09:21	7440-47-3	
Cobalt	**<0.12**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 09:21	7440-48-4	
Lead	**<0.24**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 09:21	7439-92-1	
Lithium	**1.9**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 09:21	7439-93-2	
Molybdenum	**3.4**	ug/L	1.5	0.44	1	08/07/25 08:57	08/12/25 09:21	7439-98-7	
Selenium	**<0.32**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 09:21	7782-49-2	
Thallium	**<0.14**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 09:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 11:16	08/12/25 11:01	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**618**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**5.1**	mg/L	4.0	1.2	2		08/07/25 19:14	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 19:14	16984-48-8	D3
Sulfate	**159**	mg/L	10.0	2.2	5		08/11/25 16:41	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 39R-OW **Lab ID: 40299638017** Collected: 08/05/25 13:20 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**7.4**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:08	7440-36-0	
Arsenic	**28.0**	ug/L	1.0	0.28	1	08/07/25 08:57	08/12/25 09:08	7440-38-2	
Barium	**41.9**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 09:08	7440-39-3	
Beryllium	**0.38J**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 09:08	7440-41-7	
Boron	**49200**	ug/L	500	152	50	08/07/25 08:57	08/12/25 09:27	7440-42-8	
Cadmium	**1.6**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:08	7440-43-9	
Calcium	**471000**	ug/L	12700	3810	50	08/07/25 08:57	08/12/25 09:27	7440-70-2	
Chromium	**5.4**	ug/L	3.4	1.0	1	08/07/25 08:57	08/12/25 09:08	7440-47-3	
Cobalt	**1.0**	ug/L	1.0	0.12	1	08/07/25 08:57	08/12/25 09:08	7440-48-4	
Lead	**15.5**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 09:08	7439-92-1	
Lithium	**663**	ug/L	50.0	11.0	50	08/07/25 08:57	08/12/25 09:27	7439-93-2	
Molybdenum	**4510**	ug/L	73.5	22.1	50	08/07/25 08:57	08/12/25 09:27	7439-98-7	
Selenium	**7.5**	ug/L	1.1	0.32	1	08/07/25 08:57	08/12/25 09:08	7782-49-2	
Thallium	**1.4**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 09:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 11:16	08/12/25 11:03	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**2460**	mg/L	20.0	8.7	1		08/07/25 15:16		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**2.9J**	mg/L	4.0	1.2	2		08/07/25 20:05	16887-00-6	D3
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 20:05	16984-48-8	D3
Sulfate	**2320**	mg/L	100	22.2	50		08/12/25 09:43	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 38R-OW **Lab ID: 40299638018** Collected: 08/05/25 13:40 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**20.4**	ug/L	1.0	0.15	1	08/07/25 08:57	08/12/25 09:12	7440-36-0	
Arsenic	**304**	ug/L	50.0	14.0	50	08/07/25 08:57	08/12/25 09:32	7440-38-2	
Barium	**47.8**	ug/L	2.3	0.70	1	08/07/25 08:57	08/12/25 09:12	7440-39-3	
Beryllium	**0.95J**	ug/L	1.0	0.25	1	08/07/25 08:57	08/12/25 09:12	7440-41-7	
Boron	**44400**	ug/L	500	152	50	08/07/25 08:57	08/12/25 09:32	7440-42-8	
Cadmium	**<7.6**	ug/L	50.0	7.6	50	08/07/25 08:57	08/12/25 09:32	7440-43-9	D3
Calcium	**477000**	ug/L	12700	3810	50	08/07/25 08:57	08/12/25 09:32	7440-70-2	
Chromium	**<51.0**	ug/L	170	51.0	50	08/07/25 08:57	08/12/25 09:32	7440-47-3	D3
Cobalt	**<5.8**	ug/L	50.0	5.8	50	08/07/25 08:57	08/12/25 09:32	7440-48-4	D3
Lead	**29.1**	ug/L	1.0	0.24	1	08/07/25 08:57	08/12/25 09:12	7439-92-1	
Lithium	**97.4**	ug/L	1.0	0.22	1	08/07/25 08:57	08/12/25 09:12	7439-93-2	
Molybdenum	**4190**	ug/L	73.5	22.1	50	08/07/25 08:57	08/12/25 09:32	7439-98-7	
Selenium	**<15.8**	ug/L	53.0	15.8	50	08/07/25 08:57	08/12/25 09:32	7782-49-2	D3
Thallium	**1.1**	ug/L	1.0	0.14	1	08/07/25 08:57	08/12/25 09:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 11:16	08/12/25 11:12	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**2410**	mg/L	20.0	8.7	1		08/07/25 16:24		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**7.7**	mg/L	4.0	1.2	2		08/07/25 20:18	16887-00-6	
Fluoride	**<0.19**	mg/L	0.63	0.19	2		08/07/25 20:18	16984-48-8	D3
Sulfate	**2210**	mg/L	100	22.2	50		08/12/25 09:56	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Sample: 37R-OW **Lab ID: 40299638019** Collected: 08/05/25 13:55 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony	**72.4**	ug/L	10.0	1.5	10	08/08/25 04:44	08/11/25 21:40	7440-36-0	
Arsenic	**1300**	ug/L	20.0	5.6	20	08/08/25 04:44	08/11/25 21:35	7440-38-2	
Barium	**1370**	ug/L	23.3	7.0	10	08/08/25 04:44	08/11/25 21:40	7440-39-3	
Beryllium	**84.6**	ug/L	10.0	2.5	10	08/08/25 04:44	08/11/25 21:40	7440-41-7	
Boron	**31300**	ug/L	200	60.6	20	08/08/25 04:44	08/11/25 21:35	7440-42-8	
Cadmium	**85.2**	ug/L	10.0	1.5	10	08/08/25 04:44	08/11/25 21:40	7440-43-9	
Calcium	**595000**	ug/L	5080	1520	20	08/08/25 04:44	08/11/25 21:35	7440-70-2	
Chromium	**989**	ug/L	68.0	20.4	20	08/08/25 04:44	08/11/25 21:35	7440-47-3	
Cobalt	**195**	ug/L	20.0	2.3	20	08/08/25 04:44	08/11/25 21:35	7440-48-4	
Lead	**2280**	ug/L	10.0	2.4	10	08/08/25 04:44	08/11/25 21:40	7439-92-1	
Lithium	**405**	ug/L	10.0	2.2	10	08/08/25 04:44	08/11/25 21:40	7439-93-2	
Molybdenum	**2870**	ug/L	14.7	4.4	10	08/08/25 04:44	08/11/25 21:40	7439-98-7	
Selenium	**67.9**	ug/L	21.2	6.3	20	08/08/25 04:44	08/11/25 21:35	7782-49-2	
Thallium	**37.6**	ug/L	10.0	1.4	10	08/08/25 04:44	08/11/25 21:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury	**<0.099**	ug/L	0.20	0.099	1	08/11/25 11:16	08/12/25 11:14	7439-97-6	
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	**2380**	mg/L	20.0	8.7	1		08/07/25 16:24		
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	**<1.2**	mg/L	4.0	1.2	2		08/07/25 20:31	16887-00-6	D3
Fluoride	**<1.9**	mg/L	6.3	1.9	20		08/11/25 17:56	16984-48-8	
Sulfate	**2200**	mg/L	100	22.2	50		08/12/25 10:22	14808-79-8	M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512816
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638015, 40299638016, 40299638017, 40299638018, 40299638019

METHOD BLANK: 2927892 Matrix: Water
Associated Lab Samples: 40299638015, 40299638016, 40299638017, 40299638018, 40299638019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.099	0.20	08/12/25 10:47	

LABORATORY CONTROL SAMPLE: 2927893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2927894 2927895

Parameter	Units	40299638015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.099	5	5	4.9	5.0	99	99	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512881
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014

METHOD BLANK: 2928038 Matrix: Water
Associated Lab Samples: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.099	0.20	08/12/25 13:03	

LABORATORY CONTROL SAMPLE: 2928039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2928040 2928041

Parameter	Units	40299638001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.099	5	5	4.6	4.8	92	95	85-115	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512593
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017, 40299638018

METHOD BLANK: 2925937 Matrix: Water
Associated Lab Samples: 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017, 40299638018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	08/12/25 06:22	
Arsenic	ug/L	<0.28	1.0	08/12/25 06:22	
Barium	ug/L	<0.70	2.3	08/12/25 06:22	
Beryllium	ug/L	<0.25	1.0	08/12/25 06:22	
Boron	ug/L	<3.0	10.0	08/12/25 06:22	
Cadmium	ug/L	<0.15	1.0	08/12/25 06:22	
Calcium	ug/L	<76.2	254	08/12/25 06:22	
Chromium	ug/L	<1.0	3.4	08/12/25 06:22	
Cobalt	ug/L	<0.12	1.0	08/12/25 06:22	
Lead	ug/L	<0.24	1.0	08/12/25 06:22	
Lithium	ug/L	<0.22	1.0	08/12/25 06:22	
Molybdenum	ug/L	<0.44	1.5	08/12/25 06:22	
Selenium	ug/L	<0.32	1.1	08/12/25 06:22	
Thallium	ug/L	<0.14	1.0	08/12/25 06:22	

LABORATORY CONTROL SAMPLE: 2925938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	245	98	80-120	
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	250	100	80-120	
Beryllium	ug/L	250	253	101	80-120	
Boron	ug/L	250	236	94	80-120	
Cadmium	ug/L	250	243	97	80-120	
Calcium	ug/L	10000	10300	103	80-120	
Chromium	ug/L	250	240	96	80-120	
Cobalt	ug/L	250	249	100	80-120	
Lead	ug/L	250	244	97	80-120	
Lithium	ug/L	250	254	102	80-120	
Molybdenum	ug/L	250	245	98	80-120	
Selenium	ug/L	250	265	106	80-120	
Thallium	ug/L	250	230	92	80-120	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925939 2925940

Parameter	Units	40299638002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	252	245	101	98	75-125	3	20	
Arsenic	ug/L	1.8	250	250	251	248	100	98	75-125	1	20	
Barium	ug/L	24.9	250	250	278	269	101	97	75-125	4	20	
Beryllium	ug/L	<0.25	250	250	255	249	102	100	75-125	2	20	
Boron	ug/L	6750	250	250	7270	6940	205	76	75-125	5	20	P6
Cadmium	ug/L	<0.15	250	250	246	239	98	96	75-125	3	20	
Calcium	ug/L	107000	10000	10000	119000	118000	123	112	75-125	1	20	
Chromium	ug/L	<1.0	250	250	240	237	96	95	75-125	1	20	
Cobalt	ug/L	0.32J	250	250	242	238	97	95	75-125	2	20	
Lead	ug/L	<0.24	250	250	246	241	98	96	75-125	2	20	
Lithium	ug/L	8.6	250	250	264	259	102	100	75-125	2	20	
Molybdenum	ug/L	1770	250	250	2060	1970	118	79	75-125	5	20	
Selenium	ug/L	<0.32	250	250	263	256	105	102	75-125	3	20	
Thallium	ug/L	<0.14	250	250	235	230	94	92	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512705
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638001, 40299638019

METHOD BLANK: 2926771 Matrix: Water
Associated Lab Samples: 40299638001, 40299638019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	08/11/25 20:42	
Arsenic	ug/L	<0.28	1.0	08/11/25 20:42	
Barium	ug/L	<0.70	2.3	08/11/25 20:42	
Beryllium	ug/L	<0.25	1.0	08/11/25 20:42	
Boron	ug/L	<3.0	10.0	08/11/25 20:42	
Cadmium	ug/L	<0.15	1.0	08/11/25 20:42	
Calcium	ug/L	<76.2	254	08/11/25 20:42	
Chromium	ug/L	<1.0	3.4	08/11/25 20:42	
Cobalt	ug/L	<0.12	1.0	08/11/25 20:42	
Lead	ug/L	<0.24	1.0	08/11/25 20:42	
Lithium	ug/L	<0.22	1.0	08/11/25 20:42	
Molybdenum	ug/L	<0.44	1.5	08/11/25 20:42	
Selenium	ug/L	<0.32	1.1	08/11/25 20:42	
Thallium	ug/L	<0.14	1.0	08/11/25 20:42	

LABORATORY CONTROL SAMPLE: 2926772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	250	254	101	80-120	
Arsenic	ug/L	250	256	102	80-120	
Barium	ug/L	250	248	99	80-120	
Beryllium	ug/L	250	263	105	80-120	
Boron	ug/L	250	238	95	80-120	
Cadmium	ug/L	250	253	101	80-120	
Calcium	ug/L	10000	10200	102	80-120	
Chromium	ug/L	250	249	99	80-120	
Cobalt	ug/L	250	253	101	80-120	
Lead	ug/L	250	247	99	80-120	
Lithium	ug/L	250	259	103	80-120	
Molybdenum	ug/L	250	252	101	80-120	
Selenium	ug/L	250	264	106	80-120	
Thallium	ug/L	250	248	99	80-120	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926773 2926774

Parameter	Units	40299638001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	<0.15	250	250	243	256	97	102	75-125	5	20	
Arsenic	ug/L	<0.28	250	250	243	259	97	104	75-125	7	20	
Barium	ug/L	154	250	250	381	403	91	99	75-125	6	20	
Beryllium	ug/L	<0.25	250	250	260	270	104	108	75-125	4	20	
Boron	ug/L	29.8	250	250	258	270	91	96	75-125	4	20	
Cadmium	ug/L	<0.15	250	250	235	248	94	99	75-125	6	20	
Calcium	ug/L	163000	10000	10000	171000	182000	84	186	75-125	6	20	P6
Chromium	ug/L	2.7J	250	250	235	249	93	98	75-125	6	20	
Cobalt	ug/L	<0.12	250	250	232	246	93	98	75-125	6	20	
Lead	ug/L	<0.24	250	250	239	253	96	101	75-125	6	20	
Lithium	ug/L	15.1	250	250	264	276	100	104	75-125	4	20	
Molybdenum	ug/L	0.47J	250	250	247	260	99	104	75-125	5	20	
Selenium	ug/L	<0.32	250	250	244	261	97	104	75-125	7	20	
Thallium	ug/L	<0.14	250	250	224	239	90	96	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512602
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017

METHOD BLANK: 2925968 Matrix: Water
Associated Lab Samples: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	08/07/25 15:13	

LABORATORY CONTROL SAMPLE: 2925969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	600	103	80-120	

SAMPLE DUPLICATE: 2925970

Parameter	Units	40299638002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	626	628	0	10	

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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512668
QC Batch Method: SM 2540C
Analysis Method: SM 2540C
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40299638018, 40299638019

METHOD BLANK: 2926623 Matrix: Water
Associated Lab Samples: 40299638018, 40299638019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	08/07/25 16:23	

LABORATORY CONTROL SAMPLE: 2926624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	574	98	80-120	

SAMPLE DUPLICATE: 2926625

Parameter	Units	40299648001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	604	600	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

QC Batch: 512616
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: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017, 40299638018, 40299638019

METHOD BLANK: 2926091 Matrix: Water
Associated Lab Samples: 40299638001, 40299638002, 40299638003, 40299638004, 40299638005, 40299638006, 40299638007, 40299638008, 40299638009, 40299638010, 40299638011, 40299638012, 40299638013, 40299638014, 40299638015, 40299638016, 40299638017, 40299638018, 40299638019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	08/07/25 14:31	
Fluoride	mg/L	<0.095	0.32	08/07/25 14:31	
Sulfate	mg/L	<0.44	2.0	08/07/25 14:31	

LABORATORY CONTROL SAMPLE: 2926092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.5	102	90-110	
Fluoride	mg/L	2	2.0	98	90-110	
Sulfate	mg/L	20	20.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926093 2926094

Parameter	Units	40299638001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	533	400	400	1140	1070	152	135	90-110	6	15	M0
Fluoride	mg/L	<0.95	20	20	18.4	18.6	92	93	90-110	1	15	
Sulfate	mg/L	22.7	200	200	211	212	94	95	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2926095 2926096

Parameter	Units	40299638019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	<1.2	40	40	41.3	41.6	101	101	90-110	1	15	
Fluoride	mg/L	<1.9	40	40	38.9	39.4	97	99	90-110	1	15	
Sulfate	mg/L	2200	1000	1000	2170	2170	-3	-3	90-110	0	15	M0

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

DEFINITIONS

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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299638001	**2R-OW**	EPA 3010A	512705	EPA 6020B	512760
40299638002	**MW-301**	EPA 3010A	512593	EPA 6020B	512716
40299638003	**MW-302**	EPA 3010A	512593	EPA 6020B	512716
40299638004	**MW-303**	EPA 3010A	512593	EPA 6020B	512716
40299638005	**MW-304**	EPA 3010A	512593	EPA 6020B	512716
40299638006	**5A**	EPA 3010A	512593	EPA 6020B	512716
40299638007	**5-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638008	**6R-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638009	**MW-305**	EPA 3010A	512593	EPA 6020B	512716
40299638010	**31-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638011	**3R-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638012	**32-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638013	**7A**	EPA 3010A	512593	EPA 6020B	512716
40299638014	**7-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638015	**30-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638016	**6AR**	EPA 3010A	512593	EPA 6020B	512716
40299638017	**39R-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638018	**38R-OW**	EPA 3010A	512593	EPA 6020B	512716
40299638019	**37R-OW**	EPA 3010A	512705	EPA 6020B	512760
40299638001	**2R-OW**	EPA 7470	512881	EPA 7470	512972
40299638002	**MW-301**	EPA 7470	512881	EPA 7470	512972
40299638003	**MW-302**	EPA 7470	512881	EPA 7470	512972
40299638004	**MW-303**	EPA 7470	512881	EPA 7470	512972
40299638005	**MW-304**	EPA 7470	512881	EPA 7470	512972
40299638006	**5A**	EPA 7470	512881	EPA 7470	512972
40299638007	**5-OW**	EPA 7470	512881	EPA 7470	512972
40299638008	**6R-OW**	EPA 7470	512881	EPA 7470	512972
40299638009	**MW-305**	EPA 7470	512881	EPA 7470	512972
40299638010	**31-OW**	EPA 7470	512881	EPA 7470	512972
40299638011	**3R-OW**	EPA 7470	512881	EPA 7470	512972
40299638012	**32-OW**	EPA 7470	512881	EPA 7470	512972
40299638013	**7A**	EPA 7470	512881	EPA 7470	512972
40299638014	**7-OW**	EPA 7470	512881	EPA 7470	512972
40299638015	**30-OW**	EPA 7470	512816	EPA 7470	512933
40299638016	**6AR**	EPA 7470	512816	EPA 7470	512933
40299638017	**39R-OW**	EPA 7470	512816	EPA 7470	512933
40299638018	**38R-OW**	EPA 7470	512816	EPA 7470	512933
40299638019	**37R-OW**	EPA 7470	512816	EPA 7470	512933
40299638001	**2R-OW**	SM 2540C	512602		
40299638002	**MW-301**	SM 2540C	512602		
40299638003	**MW-302**	SM 2540C	512602		
40299638004	**MW-303**	SM 2540C	512602		
40299638005	**MW-304**	SM 2540C	512602		
40299638006	**5A**	SM 2540C	512602		
40299638007	**5-OW**	SM 2540C	512602		
40299638008	**6R-OW**	SM 2540C	512602		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299638

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299638009	**MW-305**	SM 2540C	512602		
40299638010	**31-OW**	SM 2540C	512602		
40299638011	**3R-OW**	SM 2540C	512602		
40299638012	**32-OW**	SM 2540C	512602		
40299638013	**7A**	SM 2540C	512602		
40299638014	**7-OW**	SM 2540C	512602		
40299638015	**30-OW**	SM 2540C	512602		
40299638016	**6AR**	SM 2540C	512602		
40299638017	**39R-OW**	SM 2540C	512602		
40299638018	**38R-OW**	SM 2540C	512668		
40299638019	**37R-OW**	SM 2540C	512668		
40299638001	**2R-OW**	EPA 300.0	512616		
40299638002	**MW-301**	EPA 300.0	512616		
40299638003	**MW-302**	EPA 300.0	512616		
40299638004	**MW-303**	EPA 300.0	512616		
40299638005	**MW-304**	EPA 300.0	512616		
40299638006	**5A**	EPA 300.0	512616		
40299638007	**5-OW**	EPA 300.0	512616		
40299638008	**6R-OW**	EPA 300.0	512616		
40299638009	**MW-305**	EPA 300.0	512616		
40299638010	**31-OW**	EPA 300.0	512616		
40299638011	**3R-OW**	EPA 300.0	512616		
40299638012	**32-OW**	EPA 300.0	512616		
40299638013	**7A**	EPA 300.0	512616		
40299638014	**7-OW**	EPA 300.0	512616		
40299638015	**30-OW**	EPA 300.0	512616		
40299638016	**6AR**	EPA 300.0	512616		
40299638017	**39R-OW**	EPA 300.0	512616		
40299638018	**38R-OW**	EPA 300.0	512616		
40299638019	**37R-OW**	EPA 300.0	512616		

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299638

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers
Billing Information:
Address: 2830 Dairy Dr, Madison, WI, 53718
Report To: Meghan Blodgett
Email To: mblodgett@scsengineers.com
Copy To:
Site Collection Info/Address:
Customer Project Name/Number: Edgewater Closed / 25225068
State: WI County/City: Sheboygan Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone:
Email:
Site/Facility ID #:
Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):
Purchase Order #:
Quote #:
DW PWS ID #:
DW Location Code:
Collected By (signature): William Quant
Turnaround Date Required:
Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____
(Rush) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
Field Filtered (if applicable): [ ] Yes [X] No
Analysis: ____

Container Preservative Type **: 1 | U | 1

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

Lab Project Manager:

Analyses: Radium 226 + 228 * | TDS, Cl/F/SO4 | Metals (6020B 7470)

* Moved to a different COC ces 8/6/25

Lab Profile/Line:
Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: ____
Sample pH Acceptable Y N NA
pH Strips: ____
Sulfide Present Y N NA
Lead Acetate Strips: ____
LAB USE ONLY:
Lab Sample # / Comments:
(See NCF)

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Radium 226 + 228	TDS, Cl/F/SO4	Metals	Lab Sample #
2R-OW	GW	G	8/5	10:50				4	X	X	X	001
MW-301	↓	↓	8/4	11:10				4	X	X	X	002
MW-302	↓	↓	8/4	13:50				4	X	X	X	003
MW-303	↓	↓	8/5	9:05				4	X	X	X	004
MW-304	↓	↓	8/4	16:25				4	X	X	X	005
5-A	↓	↓	8/6	9:50				3	X	X	X	006
5-OW	↓	↓	8/5	15:30				4	X	X	X	007
6R-OW	GW	G	8/6	1435				3→4	X	X	X	008

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA
SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2928371
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 146
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
/SCS	8/6/25/1555	pace	8/6/25 1555

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 1 of: 3

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 402991638

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers	Billing Information:
Address: 2830 Dairy Dr. Madison, WI	
Report To: Meghan Blodgett	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Edgewater-Closed / 25225068	State: WI County/City: Sheboygan Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Michael Krast	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U 1 1

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: Cl, F, SO4, TDS | Metals (6020 + 7470) | Radium 226/228 | moved a different cc | CW 8/6/25

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
MW-305	GW	G	8/6	12:25				4	009
31-OW			8/6	10:35					010
3R-OW			8/5	14:35					011
32-OW			8/5	16:25					012
OW-7A			8/4	12:10					013
7-OW			8/5	12:36					014
30-OW			8/4	15:40					015
6-AR			8/6	1236					016

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2928369

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 148
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature) SCS	Date/Time: 8/6/25 1555	Received by/Company: (Signature) pace	Date/Time: 8/6/25 1555
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299[illegible]038

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers	Billing Information:
Address: 2830 Dairy Dr., Madison, WI	
Report To: Meghan Blodgett	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Edgewater Closed / 252250680	State: WI County/City: Sheboygan Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Michael Vogt	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U | 1 | 1

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Cl, F, SO4, TDS	Analyses: Metals (6020 + 7470)	Analyses: Radium 226/228	Analyses: Moved to effluent COC per 8/6/25	Lab Profile/Line: Lab Sample # / Comments
39R-OW	GW	G	8/5	13:20				4	X	X	X		017
36R-OW	↓	↓	8/5	13:40				↓	X	X	X		018
37R-OW	↓	↓	8/5	12:55				↓	X	X	X		019
								↓					

Lab Profile/Line: Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2928372

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 148
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
SCS	8/6/25 1555	pace	8/6/25 155
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: SCS

Sample Preservation Receipt Form

Project # 402996638

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

Lab Lot# of pH paper: 10D3242 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MM Date/Time: 8/6/25 1650

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		1																				3	0	2.5 / 5
002									1		1																				X		2.5 / 5
003									1		1																				X		2.5 / 5
004									1		1																				X		2.5 / 5
005									1		1																				X		2.5 / 5
006									1		1																				X		2.5 / 5
007									1		1																				X		2.5 / 5
008									1		1																				X		2.5 / 5
009									1		1																				X		2.5 / 5
010									1		1																				X		2.5 / 5
011									1		1																				X		2.5 / 5
012									1		1																				X		2.5 / 5
013									1		1																				X		2.5 / 5
014									1		1																				X		2.5 / 5
015									1		1																				X		2.5 / 5
016									1		1																				X		2.5 / 5
017									1		1																				X		2.5 / 5
018									1		1																				X		2.5 / 5
019									1		1																				3	1	2.5 / 5
020																	MCA 8/6/25																2.5 / 5

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	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40299638

40299638

Client Name: SCS

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 - 148 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

Temp Blank Present: ☐ yes ☒ no **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: 8/16/25 /Initials: MCH

Labeled By Initials: SLV

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. Missing Signature on pg 1 MCH 8/16/25
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. 4 day TAT MCH 8/16/25
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. 004
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WI	☐Yes ☒No ☐N/A	12. SP ~~003~~ ID on sample is "MW-304" matched to sample by time MCH 8/16/25
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

Page 2 of 2

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

August 27, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

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 Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40299639001	**2R-OW**	Water	08/05/25 10:50	08/06/25 15:55
40299639002	**MW-301**	Water	08/04/25 11:10	08/06/25 15:55
40299639003	**MW-302**	Water	08/04/25 13:50	08/06/25 15:55
40299639004	**MW-303**	Water	08/05/25 09:05	08/06/25 15:55
40299639005	**MW-304**	Water	08/04/25 16:25	08/06/25 15:55
40299639006	**5A**	Water	08/06/25 09:50	08/06/25 15:55
40299639007	**5-OW**	Water	08/05/25 15:30	08/06/25 15:55
40299639008	**6R-OW**	Water	08/06/25 14:35	08/06/25 15:55
40299639009	**MW-305**	Water	08/06/25 12:28	08/06/25 15:55
40299639010	**31-OW**	Water	08/06/25 10:35	08/06/25 15:55
40299639011	**3R-OW**	Water	08/05/25 14:35	08/06/25 15:55
40299639012	**32-OW**	Water	08/05/25 16:25	08/06/25 15:55
40299639013	**7A**	Water	08/04/25 12:10	08/06/25 15:55
40299639014	**7-OW**	Water	08/05/25 12:36	08/06/25 15:55
40299639015	**30-OW**	Water	08/04/25 15:40	08/06/25 15:55
40299639016	**6AR**	Water	08/06/25 13:30	08/06/25 15:55
40299639017	**39R-OW**	Water	08/05/25 13:20	08/06/25 15:55
40299639018	**38R-OW**	Water	08/05/25 13:40	08/06/25 15:55
40299639019	**37R-OW**	Water	08/05/25 13:55	08/06/25 15:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40299639001	**2R-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639002	**MW-301**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639003	**MW-302**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639004	**MW-303**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639005	**MW-304**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639006	**5A**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639007	**5-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639008	**6R-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639009	**MW-305**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639010	**31-OW**		AG1	7	PASI-G

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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639011	**3R-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639012	**32-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639013	**7A**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639014	**7-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639015	**30-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639016	**6AR**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639017	**39R-OW**		AG1	4	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639018	**38R-OW**		AG1	4	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299639019	**37R-OW**		AG1	4	PASI-G
		EPA 903.1	TMY	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 904.0	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 2R-OW **Lab ID: 40299639001** Collected: 08/05/25 10:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.95**	Std. Units			1		08/05/25 10:50		
Field Specific Conductance	**2024**	umhos/cm			1		08/05/25 10:50		
Oxygen, Dissolved	**1.5**	mg/L			1		08/05/25 10:50	7782-44-7	
REDOX	**16.0**	mV			1		08/05/25 10:50		
Turbidity	**6.92**	NTU			1		08/05/25 10:50		
Static Water Level	**603.22**	feet			1		08/05/25 10:50		
Temperature, Water (C)	**13.5**	deg C			1		08/05/25 10:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-301 **Lab ID: 40299639002** Collected: 08/04/25 11:10 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.44**	Std. Units			1		08/04/25 11:10		
Field Specific Conductance	**846**	umhos/cm			1		08/04/25 11:10		
Oxygen, Dissolved	**1.8**	mg/L			1		08/04/25 11:10	7782-44-7	
REDOX	**-19.6**	mV			1		08/04/25 11:10		
Turbidity	**33.2**	NTU			1		08/04/25 11:10		
Static Water Level	**594.06**	feet			1		08/04/25 11:10		
Temperature, Water (C)	**14.3**	deg C			1		08/04/25 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-302 **Lab ID: 40299639003** Collected: 08/04/25 13:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.83**	Std. Units			1		08/04/25 13:50		
Field Specific Conductance	**506**	umhos/cm			1		08/04/25 13:50		
Oxygen, Dissolved	**0.46**	mg/L			1		08/04/25 13:50	7782-44-7	
REDOX	**-93.1**	mV			1		08/04/25 13:50		
Turbidity	**6.35**	NTU			1		08/04/25 13:50		
Static Water Level	**592.97**	feet			1		08/04/25 13:50		
Temperature, Water (C)	**14.5**	deg C			1		08/04/25 13:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-303 **Lab ID: 40299639004** Collected: 08/05/25 09:05 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.83**	Std. Units			1		08/05/25 09:05		
Field Specific Conductance	**1116**	umhos/cm			1		08/05/25 09:05		
Oxygen, Dissolved	**3.84**	mg/L			1		08/05/25 09:05	7782-44-7	
REDOX	**-62.5**	mV			1		08/05/25 09:05		
Turbidity	**40.3**	NTU			1		08/05/25 09:05		
Static Water Level	**586.39**	feet			1		08/05/25 09:05		
Temperature, Water (C)	**14.3**	deg C			1		08/05/25 09:05		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-304 **Lab ID: 40299639005** Collected: 08/04/25 16:25 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.63**	Std. Units			1		08/04/25 16:25		
Field Specific Conductance	**591**	umhos/cm			1		08/04/25 16:25		
Oxygen, Dissolved	**1.75**	mg/L			1		08/04/25 16:25	7782-44-7	
REDOX	**-31.7**	mV			1		08/04/25 16:25		
Turbidity	**327**	NTU			1		08/04/25 16:25		
Static Water Level	**593.13**	feet			1		08/04/25 16:25		
Temperature, Water (C)	**16.7**	deg C			1		08/04/25 16:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 5A **Lab ID: 40299639006** Collected: 08/06/25 09:50 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.73**	Std. Units			1		08/06/25 09:50		
Field Specific Conductance	**734**	umhos/cm			1		08/06/25 09:50		
Oxygen, Dissolved	**3.61**	mg/L			1		08/06/25 09:50	7782-44-7	
REDOX	**78.1**	mV			1		08/06/25 09:50		
Turbidity	**9.55**	NTU			1		08/06/25 09:50		
Static Water Level	**593.17**	feet			1		08/06/25 09:50		
Temperature, Water (C)	**15.5**	deg C			1		08/06/25 09:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 5-OW **Lab ID: 40299639007** Collected: 08/05/25 15:30 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.18**	Std. Units			1		08/05/25 15:30		
Field Specific Conductance	**681**	umhos/cm			1		08/05/25 15:30		
Oxygen, Dissolved	**1.22**	mg/L			1		08/05/25 15:30	7782-44-7	
REDOX	**27.5**	mV			1		08/05/25 15:30		
Turbidity	**3.36**	NTU			1		08/05/25 15:30		
Static Water Level	**593.72**	feet			1		08/05/25 15:30		
Temperature, Water (C)	**14.7**	deg C			1		08/05/25 15:30		

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 6R-OW **Lab ID: 40299639008** Collected: 08/06/25 14:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.07**	Std. Units			1		08/06/25 14:35		
Field Specific Conductance	**974**	umhos/cm			1		08/06/25 14:35		
Oxygen, Dissolved	**0.42**	mg/L			1		08/06/25 14:35	7782-44-7	
REDOX	**7.9**	mV			1		08/06/25 14:35		
Turbidity	**4.44**	NTU			1		08/06/25 14:35		
Static Water Level	**584.43**	feet			1		08/06/25 14:35		
Temperature, Water (C)	**17.7**	deg C			1		08/06/25 14:35		

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-305 **Lab ID: 40299639009** Collected: 08/06/25 12:28 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.99**	Std. Units			1		08/06/25 12:28		
Field Specific Conductance	**810**	umhos/cm			1		08/06/25 12:28		
Oxygen, Dissolved	**2.94**	mg/L			1		08/06/25 12:28	7782-44-7	
REDOX	**21.7**	mV			1		08/06/25 12:28		
Turbidity	**5.22**	NTU			1		08/06/25 12:28		
Static Water Level	**582.03**	feet			1		08/06/25 12:28		
Temperature, Water (C)	**14.4**	deg C			1		08/06/25 12:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 31-OW **Lab ID: 40299639010** Collected: 08/06/25 10:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.22**	Std. Units			1		08/06/25 10:35		
Field Specific Conductance	**807**	umhos/cm			1		08/06/25 10:35		
Oxygen, Dissolved	**0.2**	mg/L			1		08/06/25 10:35	7782-44-7	
REDOX	**34.3**	mV			1		08/06/25 10:35		
Turbidity	**3.06**	NTU			1		08/06/25 10:35		
Static Water Level	**581.43**	feet			1		08/06/25 10:35		
Temperature, Water (C)	**14.4**	deg C			1		08/06/25 10:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 3R-OW **Lab ID: 40299639011** Collected: 08/05/25 14:35 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.88**	Std. Units			1		08/05/25 14:35		
Field Specific Conductance	**1567**	umhos/cm			1		08/05/25 14:35		
Oxygen, Dissolved	**0.24**	mg/L			1		08/05/25 14:35	7782-44-7	
REDOX	**11.0**	mV			1		08/05/25 14:35		
Turbidity	**1.46**	NTU			1		08/05/25 14:35		
Static Water Level	**583.02**	feet			1		08/05/25 14:35		
Temperature, Water (C)	**16.3**	deg C			1		08/05/25 14:35		

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 32-OW **Lab ID: 40299639012** Collected: 08/05/25 16:25 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.15**	Std. Units			1		08/05/25 16:25		
Field Specific Conductance	**690**	umhos/cm			1		08/05/25 16:25		
Oxygen, Dissolved	**0.68**	mg/L			1		08/05/25 16:25	7782-44-7	
REDOX	**23.4**	mV			1		08/05/25 16:25		
Turbidity	**2.45**	NTU			1		08/05/25 16:25		
Static Water Level	**582.31**	feet			1		08/05/25 16:25		
Temperature, Water (C)	**15.4**	deg C			1		08/05/25 16:25		

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 7A **Lab ID: 40299639013** Collected: 08/04/25 12:10 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.98**	Std. Units			1		08/04/25 12:10		
Field Specific Conductance	**632**	umhos/cm			1		08/04/25 12:10		
Oxygen, Dissolved	**0.1**	mg/L			1		08/04/25 12:10	7782-44-7	
REDOX	**-121.5**	mV			1		08/04/25 12:10		
Turbidity	**1.75**	NTU			1		08/04/25 12:10		
Static Water Level	**590.43**	feet			1		08/04/25 12:10		
Temperature, Water (C)	**14.8**	deg C			1		08/04/25 12:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 7-OW **Lab ID: 40299639014** Collected: 08/05/25 12:36 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.32**	Std. Units			1		08/05/25 12:36		
Field Specific Conductance	**928**	umhos/cm			1		08/05/25 12:36		
Oxygen, Dissolved	**4.07**	mg/L			1		08/05/25 12:36	7782-44-7	
REDOX	**176.8**	mV			1		08/05/25 12:36		
Turbidity	**304.5**	NTU			1		08/05/25 12:36		
Static Water Level	**585.71**	feet			1		08/05/25 12:36		
Temperature, Water (C)	**16.8**	deg C			1		08/05/25 12:36		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 30-OW **Lab ID: 40299639015** Collected: 08/04/25 15:40 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.06**	Std. Units			1		08/04/25 15:40		
Field Specific Conductance	**1040**	umhos/cm			1		08/04/25 15:40		
Oxygen, Dissolved	**0.73**	mg/L			1		08/04/25 15:40	7782-44-7	
REDOX	**-13.4**	mV			1		08/04/25 15:40		
Turbidity	**6.99**	NTU			1		08/04/25 15:40		
Static Water Level	**584.06**	feet			1		08/04/25 15:40		
Temperature, Water (C)	**14.6**	deg C			1		08/04/25 15:40		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 6AR **Lab ID: 40299639016** Collected: 08/06/25 13:30 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.18**	Std. Units			1		08/06/25 13:30		
Field Specific Conductance	**888**	umhos/cm			1		08/06/25 13:30		
Oxygen, Dissolved	**0.44**	mg/L			1		08/06/25 13:30	7782-44-7	
REDOX	**5.0**	mV			1		08/06/25 13:30		
Turbidity	**14.8**	NTU			1		08/06/25 13:30		
Static Water Level	**584.54**	feet			1		08/06/25 13:30		
Temperature, Water (C)	**17.4**	deg C			1		08/06/25 13:30		

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 39R-OW **Lab ID: 40299639017** Collected: 08/05/25 13:20 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**8.04**	Std. Units			1		08/05/25 13:20		
Field Specific Conductance	**2115**	umhos/cm			1		08/05/25 13:20		
Static Water Level	**596.07**	feet			1		08/05/25 13:20		
Temperature, Water (C)	**13.7**	deg C			1		08/05/25 13:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 38R-OW **Lab ID: 40299639018** Collected: 08/05/25 13:40 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.49**	Std. Units			1		08/05/25 13:40		
Field Specific Conductance	**2175**	umhos/cm			1		08/05/25 13:40		
Static Water Level	**597.00**	feet			1		08/05/25 13:40		
Temperature, Water (C)	**12.7**	deg C			1		08/05/25 13:40		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 37R-OW **Lab ID: 40299639019** Collected: 08/05/25 13:55 Received: 08/06/25 15:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**6.86**	Std. Units			1		08/05/25 13:55		
Field Specific Conductance	**2151**	umhos/cm			1		08/05/25 13:55		
Static Water Level	**596.64**	feet			1		08/05/25 13:55		
Temperature, Water (C)	**12.9**	deg C			1		08/05/25 13:55		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 2R-OW **Lab ID: 40299639001** Collected: 08/05/25 10:50 Received: 08/06/25 15:55 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	**0.977U ± 0.575 (0.977) C:NA T:93%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.25 ± 0.462 (0.663) C:76% T:91%**	pCi/L	08/25/25 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.65 ± 1.04 (1.64)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-301 **Lab ID: 40299639002** Collected: 08/04/25 11:10 Received: 08/06/25 15:55 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	**0.908U ± 0.520 (0.908) C:NA T:90%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.727U ± 0.372 (0.727) C:73% T:90%**	pCi/L	08/25/25 15:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.64U ± 0.892 (1.64)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-302 **Lab ID: 40299639003** Collected: 08/04/25 13:50 Received: 08/06/25 15:55 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	**1.31U ± 0.785 (1.31) C:NA T:88%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.825U ± 0.330 (0.825) C:71% T:86%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.14U ± 1.12 (2.14)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-303 **Lab ID: 40299639004** Collected: 08/05/25 09:05 Received: 08/06/25 15:55 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	**1.15U ± 0.710 (1.15) C:NA T:89%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.702U ± 0.361 (0.702) C:74% T:91%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.85U ± 1.07 (1.85)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-304 **Lab ID: 40299639005** Collected: 08/04/25 16:25 Received: 08/06/25 15:55 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	**1.29U ± 0.747 (1.29) C:NA T:88%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.831 ± 0.454 (0.823) C:74% T:87%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.11U ± 1.20 (2.11)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 5A **Lab ID: 40299639006** Collected: 08/06/25 09:50 Received: 08/06/25 15:55 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	**1.11U ± 0.594 (1.11) C:NA T:97%**	pCi/L	08/25/25 15:10	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.995U ± 0.543 (0.995) C:78% T:77%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.11U ± 1.14 (2.11)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 5-OW **Lab ID: 40299639007** Collected: 08/05/25 15:30 Received: 08/06/25 15:55 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	**0.998U ± 0.543 (0.998) C:NA T:94%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.720U ± 0.309 (0.720) C:74% T:85%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.72U ± 0.852 (1.72)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 6R-OW **Lab ID: 40299639008** Collected: 08/06/25 14:35 Received: 08/06/25 15:55 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	**1.06U ± 0.482 (1.06) C:NA T:95%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.991U ± 0.425 (0.991) C:69% T:89%**	pCi/L	08/25/25 15:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.05U ± 0.907 (2.05)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: MW-305 **Lab ID: 40299639009** Collected: 08/06/25 12:28 Received: 08/06/25 15:55 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	**1.03U ± 0.605 (1.03) C:NA T:93%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.34U ± 0.673 (1.34) C:70% T:83%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.37U ± 1.28 (2.37)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 31-OW **Lab ID: 40299639010** Collected: 08/06/25 10:35 Received: 08/06/25 15:55 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	**1.11U ± 0.546 (1.11) C:NA T:95%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.965U ± 0.485 (0.965) C:79% T:84%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.08U ± 1.03 (2.08)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 3R-OW **Lab ID: 40299639011** Collected: 08/05/25 14:35 Received: 08/06/25 15:55 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	**1.10U ± 0.597 (1.10) C:NA T:97%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.01U ± 0.526 (1.01) C:74% T:89%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.11U ± 1.12 (2.11)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 32-OW **Lab ID: 40299639012** Collected: 08/05/25 16:25 Received: 08/06/25 15:55 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	**1.07U ± 0.581 (1.07) C:NA T:98%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.877U ± 0.449 (0.877) C:78% T:91%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.95U ± 1.03 (1.95)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 7A **Lab ID: 40299639013** Collected: 08/04/25 12:10 Received: 08/06/25 15:55 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	**1.27U ± 0.721 (1.27) C:NA T:93%**	pCi/L	08/25/25 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.932U ± 0.428 (0.932) C:75% T:88%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.20U ± 1.15 (2.20)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 7-OW **Lab ID: 40299639014** Collected: 08/05/25 12:36 Received: 08/06/25 15:55 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	**0.997U ± 0.677 (0.997) C:NA T:93%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.30 ± 0.597 (1.02) C:78% T:78%**	pCi/L	08/25/25 15:28	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.28 ± 1.27 (2.02)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 30-OW **Lab ID: 40299639015** Collected: 08/04/25 15:40 Received: 08/06/25 15:55 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	**0.682U ± 0.380 (0.682) C:NA T:98%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**1.15 ± 0.500 (0.830) C:71% T:90%**	pCi/L	08/25/25 15:27	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.51U ± 0.880 (1.51)**	pCi/L	08/26/25 11:34	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 6AR **Lab ID: 40299639016** Collected: 08/06/25 13:30 Received: 08/06/25 15:55 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	**1.59U ± 0.853 (1.59) C:NA T:95%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.773U ± 0.379 (0.773) C:71% T:94%**	pCi/L	08/25/25 18:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.36U ± 1.23 (2.36)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 39R-OW **Lab ID: 40299639017** Collected: 08/05/25 13:20 Received: 08/06/25 15:55 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	**1.14U ± 0.614 (1.14) C:NA T:96%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.749U ± 0.407 (0.749) C:67% T:85%**	pCi/L	08/25/25 18:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.89U ± 1.02 (1.89)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 38R-OW **Lab ID: 40299639018** Collected: 08/05/25 13:40 Received: 08/06/25 15:55 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	**1.15U ± 0.665 (1.15) C:NA T:97%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.813 ± 0.428 (0.734) C:76% T:78%**	pCi/L	08/25/25 18:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.88U ± 1.09 (1.88)**	pCi/L	08/26/25 11:34	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Sample: 37R-OW **Lab ID: 40299639019** Collected: 08/05/25 13:55 Received: 08/06/25 15:55 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	**1.13 ± 0.754 (1.11) C:NA T:96%**	pCi/L	08/25/25 15:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.830U ± 0.416 (0.830) C:67% T:85%**	pCi/L	08/25/25 18:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**1.94U ± 1.17 (1.94)**	pCi/L	08/26/25 11:34	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: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

QC Batch: 763758 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: 40299639001, 40299639002, 40299639003, 40299639004, 40299639005, 40299639006, 40299639007, 40299639008, 40299639009, 40299639010, 40299639011, 40299639012, 40299639013, 40299639014, 40299639015, 40299639016, 40299639017, 40299639018, 40299639019

METHOD BLANK: 3722223 Matrix: Water
Associated Lab Samples: 40299639001, 40299639002, 40299639003, 40299639004, 40299639005, 40299639006, 40299639007, 40299639008, 40299639009, 40299639010, 40299639011, 40299639012, 40299639013, 40299639014, 40299639015, 40299639016, 40299639017, 40299639018, 40299639019

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.691 ± 0.460 (0.871) C:65% T:84%	pCi/L	08/25/25 11:58	

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: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

QC Batch: 763755 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: 40299639001, 40299639002, 40299639003, 40299639004, 40299639005, 40299639006, 40299639007, 40299639008, 40299639009, 40299639010, 40299639011, 40299639012, 40299639013, 40299639014, 40299639015, 40299639016, 40299639017, 40299639018, 40299639019

METHOD BLANK: 3722210 Matrix: Water
Associated Lab Samples: 40299639001, 40299639002, 40299639003, 40299639004, 40299639005, 40299639006, 40299639007, 40299639008, 40299639009, 40299639010, 40299639011, 40299639012, 40299639013, 40299639014, 40299639015, 40299639016, 40299639017, 40299639018, 40299639019

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.356 ± 0.341 (0.519) C:NA T:94%	pCi/L	08/25/25 15:10	

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: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

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.

SAMPLE QUALIFIERS

Sample: 40299639009
[1] Client sample ID on container did not match COC; client was notified.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299639001	**2R-OW**				
40299639002	**MW-301**				
40299639003	**MW-302**				
40299639004	**MW-303**				
40299639005	**MW-304**				
40299639006	**5A**				
40299639007	**5-OW**				
40299639008	**6R-OW**				
40299639009	**MW-305**				
40299639010	**31-OW**				
40299639011	**3R-OW**				
40299639012	**32-OW**				
40299639013	**7A**				
40299639014	**7-OW**				
40299639015	**30-OW**				
40299639016	**6AR**				
40299639017	**39R-OW**				
40299639018	**38R-OW**				
40299639019	**37R-OW**				
40299639001	**2R-OW**	EPA 903.1	763755		
40299639002	**MW-301**	EPA 903.1	763755		
40299639003	**MW-302**	EPA 903.1	763755		
40299639004	**MW-303**	EPA 903.1	763755		
40299639005	**MW-304**	EPA 903.1	763755		
40299639006	**5A**	EPA 903.1	763755		
40299639007	**5-OW**	EPA 903.1	763755		
40299639008	**6R-OW**	EPA 903.1	763755		
40299639009	**MW-305**	EPA 903.1	763755		
40299639010	**31-OW**	EPA 903.1	763755		
40299639011	**3R-OW**	EPA 903.1	763755		
40299639012	**32-OW**	EPA 903.1	763755		
40299639013	**7A**	EPA 903.1	763755		
40299639014	**7-OW**	EPA 903.1	763755		
40299639015	**30-OW**	EPA 903.1	763755		
40299639016	**6AR**	EPA 903.1	763755		
40299639017	**39R-OW**	EPA 903.1	763755		
40299639018	**38R-OW**	EPA 903.1	763755		
40299639019	**37R-OW**	EPA 903.1	763755		
40299639001	**2R-OW**	EPA 904.0	763758		
40299639002	**MW-301**	EPA 904.0	763758		
40299639003	**MW-302**	EPA 904.0	763758		
40299639004	**MW-303**	EPA 904.0	763758		
40299639005	**MW-304**	EPA 904.0	763758		
40299639006	**5A**	EPA 904.0	763758		
40299639007	**5-OW**	EPA 904.0	763758		
40299639008	**6R-OW**	EPA 904.0	763758		
40299639009	**MW-305**	EPA 904.0	763758		
40299639010	**31-OW**	EPA 904.0	763758		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25225068 EDGEWATER CLOSED
Pace Project No.: 40299639

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299639011	**3R-OW**	EPA 904.0	763758		
40299639012	**32-OW**	EPA 904.0	763758		
40299639013	**7A**	EPA 904.0	763758		
40299639014	**7-OW**	EPA 904.0	763758		
40299639015	**30-OW**	EPA 904.0	763758		
40299639016	**6AR**	EPA 904.0	763758		
40299639017	**39R-OW**	EPA 904.0	763758		
40299639018	**38R-OW**	EPA 904.0	763758		
40299639019	**37R-OW**	EPA 904.0	763758		
40299639001	**2R-OW**	Total Radium Calculation	767014		
40299639002	**MW-301**	Total Radium Calculation	767014		
40299639003	**MW-302**	Total Radium Calculation	767014		
40299639004	**MW-303**	Total Radium Calculation	767014		
40299639005	**MW-304**	Total Radium Calculation	767014		
40299639006	**5A**	Total Radium Calculation	767014		
40299639007	**5-OW**	Total Radium Calculation	767014		
40299639008	**6R-OW**	Total Radium Calculation	767014		
40299639009	**MW-305**	Total Radium Calculation	767014		
40299639010	**31-OW**	Total Radium Calculation	767014		
40299639011	**3R-OW**	Total Radium Calculation	767014		
40299639012	**32-OW**	Total Radium Calculation	767014		
40299639013	**7A**	Total Radium Calculation	767014		
40299639014	**7-OW**	Total Radium Calculation	767014		
40299639015	**30-OW**	Total Radium Calculation	767014		
40299639016	**6AR**	Total Radium Calculation	767014		
40299639017	**39R-OW**	Total Radium Calculation	767014		
40299639018	**38R-OW**	Total Radium Calculation	767014		
40299639019	**37R-OW**	Total Radium Calculation	767014		

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299639

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers	Billing Information:
Address: 2830 Dairy Dr Madison, WI, 53718	
Report To: Meghan Blodgett	Email To: mblodgett@scsengineers.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Edgewater Closed / 25225068	State: WI County/City: Sheboygan Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: 1 U 1

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Radium 226 & 228	Analyses: TDS, Cl, F, SO4 8/16/25	Analyses: Metals (6020A & 7470A) 1 per prep	Lab Profile/Line
2R-OW	GW	G	8/5	10:50				4	X	X	X	001
MW-301			8/4	11:10				4	X	X	X	002
MW-302			8/4	13:50				4	X	X	X	003
MW-303			8/5	9:05				4	X	X	X	004
MW-304			8/4	16:25				4	X	X	X	005
5-A			8/6	9:50				3	X	X	X	006
5-OW	↓	↓	8/5	15:30				4	X	X	X	007
6R-OW	GW	G	8/6	14:35			3→0	4	X	X	X	008

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2928371

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 198
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature) SCS	Date/Time: 8/6/25/1555	Received by/Company: (Signature) pace	Date/Time: 8/6/25 1555
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): Page: 1

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299639

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers
Billing Information:
Address: 2830 Dairy Dr. Madison, WI
Report To: Meghan Blodgett
Email To:
Copy To:
Site Collection Info/Address:
Customer Project Name/Number: Edgewater-Closed / 25225068
State: WI County/City: Sheboygan
Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone:
Email:
Site/Facility ID #:
Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Michael Kraut
Purchase Order #:
Quote #:
DW PWS ID #:
DW Location Code:
Collected By (signature):
Turnaround Date Required:
Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____
Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
Field Filtered (if applicable): [ ] Yes [X] No
Analysis: ____

Container Preservative Type **: u | 1 | 1

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

Lab Project Manager:

Analyses: Cl, F, SO4, TDS, Alk (Per PM); Metals (6020 + 7470); Radium 226/228

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Cl, F, SO4, TDS, Alk	Metals (6020 + 7470)	Radium 226/228	Lab Sample # / Comments
MW-305	GW	G	8/6	12:28				4	X	X	X	009
31-OW	↓	↓	8/6	10:35				↓	X	X	X	010
3R-OW			8/5	14:35					X	X	X	011
32-OW			8/5	16:25					X	X	X	012
OW-7A			8/4	12:10					X	X	X	013
7-OW			8/5	12:36					X	X	X	014
30-OW			8/4	15:40					X	X	X	015
6-AR			8/6	13:36					X	X	X	016

Lab Profile/Line:
Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: ____
Sample pH Acceptable Y N NA
pH Strips: ____
Sulfide Present Y N NA
Lead Acetate Strips: ____
LAB USE ONLY:
Lab Sample # / Comments:

(Checklist struck through, initialed and dated 8/6/25)

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA
SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2928369
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 148
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / SCS	8/6/25 / 1555	[signature] pace	8/6/25 1555

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 2 of: 2

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40299639

ALL SHADED AREAS are for LAB USE ONLY

Company: SCS Engineers
Address: 2830 Dairy Dr., Madison, WI
Report To: Meghan Blodgett
Copy To:
Billing Information:
Email To:
Site Collection Info/Address:

Customer Project Name/Number: Edgewater - Closed / 25225068.00
State: WI
County/City: Sheboygan
Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET

Phone:
Email:
Site/Facility ID #:
Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Michael Vogant
Purchase Order #:
Quote #:
DW PWS ID #:
DW Location Code:

Collected By (signature): [signature]
Turnaround Date Required:
Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:
Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: U, 1, 1

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Project Manager:

Analyses: Cl, F, SO4, TDS | [illegible] 8/6/25 | Metals (6020 + 7470) | Radium 226/228

Customer Sample ID	Matrix *	Comp / Grab	Collected Date	Collected Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Cl, F, SO4, TDS		Metals (6020 + 7470)	Radium 226/228	Lab Sample # / Comments
39R-OW	GW	G	8/5	13:20				4	X		X	X	017
36R-OW	↓	↓	8/5	13:40				↓	X		X	X	018
37R-OW	↓	↓	8/5	12:55				↓	X		X	X	019

Lab Profile/Line:
Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips:
Sample pH Acceptable Y N NA
pH Strips:
Sulfide Present Y N NA
Lead Acetate Strips:
LAB USE ONLY:
Lab Sample # / Comments:
(See [illegible] 8/6/25)

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2928372
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 148
Cooler 1 Temp Upon Receipt: 2.0 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 2.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] / SCS	8/6/25 / 1555	[signature] pace	8/6/25 1555

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 3 of: 3

Sample Preservation Receipt Form

Client Name: SCS Project # 40299639

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

Lab Lot# of pH paper: 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							2.5 / 5
002																										2							2.5 / 5
003																										2							2.5 / 5
004																										2							2.5 / 5
005																										2							2.5 / 5
006																										2							2.5 / 5
007																										2							2.5 / 5
008																								MCH 8/10/25		2	1						2.5 / 5
009																										2							2.5 / 5
010																										2							2.5 / 5
011																										2							2.5 / 5
012																										2							2.5 / 5
013																										2							2.5 / 5
014																										2							2.5 / 5
015																										2							2.5 / 5
016																										2							2.5 / 5
017																										2							2.5 / 5
018																										2							2.5 / 5
019																										2							2.5 / 5
020																				MCH 8/10/25													2.5 / 5

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 L plastic HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40299639

40299639

Client Name: SCS

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 - 148 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.0

Temp Blank Present: ☐ yes ☒ no **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: 8/6/25 /Initials: MCH

Labeled By Initials: SV

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. 20 day TAT MCH 8/6/25
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. SP004 ID on sample reads "MW-304" matched to sample by time MCH 8/6/25
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

Page 2 of 2

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

August 28, 2025

Meghan Blodgett
SCS ENGINEERS
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Dear Meghan Blodgett:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 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,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Matt Bizjack, Alliant Energy
Natalie Burris, SCS ENGINEERS
Sherren Clark, SCS Engineers
Jenny Coughlin, Alliant Energy
Tom Karwoski, SCS ENGINEERS
Ryan Matzuk, SCS Engineers
Jeff Maxted, ALLIANT ENERGY

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

CERTIFICATIONS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

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 Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40299732001	**29-OW**	Water	08/06/25 15:35	08/07/25 14:05
40299732002	**29-A**	Water	08/07/25 09:45	08/07/25 14:05
40299732003	**40-OW**	Water	08/07/25 11:30	08/07/25 14:05
40299732004	**1-OW**	Water	08/07/25 12:00	08/07/25 14:05
40299732005	**4R-OW**	Water	08/07/25 10:37	08/07/25 14:05
40299732006	**FIELD BLANK**	Water	08/07/25 12:20	08/07/25 14:05

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40299732001	**29-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299732002	**29-A**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299732003	**40-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299732004	**1-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299732005	**4R-OW**		AG1	7	PASI-G
		EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
40299732006	**FIELD BLANK**	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 29-OW **Lab ID: 40299732001** Collected: 08/06/25 15:35 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.58**	Std. Units			1		08/06/25 15:35		
Field Specific Conductance	**712**	umhos/cm			1		08/06/25 15:35		
Oxygen, Dissolved	**0.2**	mg/L			1		08/06/25 15:35	7782-44-7	
REDOX	**-129.7**	mV			1		08/06/25 15:35		
Turbidity	**17.0**	NTU			1		08/06/25 15:35		
Static Water Level	**583.07**	feet			1		08/06/25 15:35		
Temperature, Water (C)	**15.2**	deg C			1		08/06/25 15:35		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 29-A **Lab ID: 40299732002** Collected: 08/07/25 09:45 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**8.65**	Std. Units			1		08/07/25 09:45		
Field Specific Conductance	**296**	umhos/cm			1		08/07/25 09:45		
Oxygen, Dissolved	**0.25**	mg/L			1		08/07/25 09:45	7782-44-7	
REDOX	**94.0**	mV			1		08/07/25 09:45		
Turbidity	**27.8**	NTU			1		08/07/25 09:45		
Static Water Level	**584.49**	feet			1		08/07/25 09:45		
Temperature, Water (C)	**12.7**	deg C			1		08/07/25 09:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 40-OW **Lab ID: 40299732003** Collected: 08/07/25 11:30 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.79**	Std. Units			1		08/07/25 11:30		
Field Specific Conductance	**1547**	umhos/cm			1		08/07/25 11:30		
Oxygen, Dissolved	**0.55**	mg/L			1		08/07/25 11:30	7782-44-7	
REDOX	**-86.5**	mV			1		08/07/25 11:30		
Turbidity	**161.0**	NTU			1		08/07/25 11:30		
Static Water Level	**581.39**	feet			1		08/07/25 11:30		
Temperature, Water (C)	**13.0**	deg C			1		08/07/25 11:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 1-OW **Lab ID: 40299732004** Collected: 08/07/25 12:00 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.08**	Std. Units			1		08/07/25 12:00		
Field Specific Conductance	**770**	umhos/cm			1		08/07/25 12:00		
Oxygen, Dissolved	**4.49**	mg/L			1		08/07/25 12:00	7782-44-7	
REDOX	**-38.0**	mV			1		08/07/25 12:00		
Turbidity	**6.46**	NTU			1		08/07/25 12:00		
Static Water Level	**584.15**	feet			1		08/07/25 12:00		
Temperature, Water (C)	**20.5**	deg C			1		08/07/25 12:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 4R-OW **Lab ID: 40299732005** Collected: 08/07/25 10:37 Received: 08/07/25 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.17**	Std. Units			1		08/07/25 10:37		
Field Specific Conductance	**930**	umhos/cm			1		08/07/25 10:37		
Oxygen, Dissolved	**0.31**	mg/L			1		08/07/25 10:37	7782-44-7	
REDOX	**-87.6**	mV			1		08/07/25 10:37		
Turbidity	**1.90**	NTU			1		08/07/25 10:37		
Static Water Level	**583.36**	feet			1		08/07/25 10:37		
Temperature, Water (C)	**15.8**	deg C			1		08/07/25 10:37		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 29-OW **Lab ID: 40299732001** Collected: 08/06/25 15:35 Received: 08/07/25 14:05 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	**1.65U ± 0.861 (1.65) C:NA T:84%**	pCi/L	08/26/25 13:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.599U ± 0.328 (0.599) C:78% T:81%**	pCi/L	08/25/25 18:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.25U ± 1.19 (2.25)**	pCi/L	08/27/25 10:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 29-A **Lab ID: 40299732002** Collected: 08/07/25 09:45 Received: 08/07/25 14:05 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	**1.44U ± 0.781 (1.44) C:NA T:94%**	pCi/L	08/26/25 14:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.582U ± 0.341 (0.582) C:76% T:78%**	pCi/L	08/25/25 18:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.02U ± 1.12 (2.02)**	pCi/L	08/27/25 10:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 40-OW **Lab ID: 40299732003** Collected: 08/07/25 11:30 Received: 08/07/25 14:05 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	**1.64U ± 0.967 (1.64) C:NA T:91%**	pCi/L	08/26/25 13:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.775 ± 0.456 (0.763) C:74% T:90%**	pCi/L	08/25/25 18:50	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.40U ± 1.42 (2.40)**	pCi/L	08/27/25 10:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 1-OW **Lab ID: 40299732004** Collected: 08/07/25 12:00 Received: 08/07/25 14:05 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	**1.40U ± 0.761 (1.40) C:NA T:90%**	pCi/L	08/26/25 13:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.748U ± 0.442 (0.748) C:75% T:89%**	pCi/L	08/25/25 18:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.15U ± 1.20 (2.15)**	pCi/L	08/27/25 10:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: 4R-OW **Lab ID: 40299732005** Collected: 08/07/25 10:37 Received: 08/07/25 14:05 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	**1.39U ± 0.831 (1.39) C:NA T:83%**	pCi/L	08/26/25 13:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.639U ± 0.366 (0.639) C:76% T:80%**	pCi/L	08/25/25 18:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.03U ± 1.20 (2.03)**	pCi/L	08/27/25 10:26	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Sample: FIELD BLANK **Lab ID: 40299732006** Collected: 08/07/25 12:20 Received: 08/07/25 14:05 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	**1.67U ± 0.869 (1.67) C:NA T:96%**	pCi/L	08/26/25 13:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.529U ± 0.297 (0.529) C:79% T:90%**	pCi/L	08/25/25 18:51	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	**2.20U ± 1.17 (2.20)**	pCi/L	08/27/25 10:26	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: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

QC Batch: 763999 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: 40299732001, 40299732002, 40299732003, 40299732004, 40299732005, 40299732006

METHOD BLANK: 3723181 Matrix: Water
Associated Lab Samples: 40299732001, 40299732002, 40299732003, 40299732004, 40299732005, 40299732006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.112 ± 0.350 (0.724) C:NA T:90%	pCi/L	08/26/25 13:25	

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: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

QC Batch: 764000 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: 40299732001, 40299732002, 40299732003, 40299732004, 40299732005, 40299732006

METHOD BLANK: 3723183 Matrix: Water
Associated Lab Samples: 40299732001, 40299732002, 40299732003, 40299732004, 40299732005, 40299732006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.628 ± 0.342 (0.599) C:84% T:91%	pCi/L	08/25/25 18:48	

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: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

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: 25225068.00 EDGEWATER-CLOSED
Pace Project No.: 40299732

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40299732001	**29-OW**				
40299732002	**29-A**				
40299732003	**40-OW**				
40299732004	**1-OW**				
40299732005	**4R-OW**				
40299732001	**29-OW**	EPA 903.1	763999		
40299732002	**29-A**	EPA 903.1	763999		
40299732003	**40-OW**	EPA 903.1	763999		
40299732004	**1-OW**	EPA 903.1	763999		
40299732005	**4R-OW**	EPA 903.1	763999		
40299732006	**FIELD BLANK**	EPA 903.1	763999		
40299732001	**29-OW**	EPA 904.0	764000		
40299732002	**29-A**	EPA 904.0	764000		
40299732003	**40-OW**	EPA 904.0	764000		
40299732004	**1-OW**	EPA 904.0	764000		
40299732005	**4R-OW**	EPA 904.0	764000		
40299732006	**FIELD BLANK**	EPA 904.0	764000		
40299732001	**29-OW**	Total Radium Calculation	767273		
40299732002	**29-A**	Total Radium Calculation	767273		
40299732003	**40-OW**	Total Radium Calculation	767273		
40299732004	**1-OW**	Total Radium Calculation	767273		
40299732005	**4R-OW**	Total Radium Calculation	767273		
40299732006	**FIELD BLANK**	Total Radium Calculation	767273		

40299732

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	SCS Engineers
Branch/Location:	Madison, WI
Project Contact:	Meghan Blodgett
Phone:	
Project Number:	25225068.00
Project Name:	Edgewater - Closed
Project State:	WI
Sampled By (Print):	Michael Kogut
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: Radium 226 & 228
					Y / N	Pick Letter	
001	29-OW	8/6	15:35	GW	N	D	X
002	29-A	8/7	9:45				X
003	40-OW		11:30				X
004	1-OW		12:00				X
005	4R-OW		1037				X
006	Field Blank		1220	W			X

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
William Ouk	8/7/25 1405	pace	8/7/25 1405

PACE Project No.

Receipt Temp = 2.5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Client Name: SCS Engineers

Sample Preservation Receipt Form

Project # 402997732

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

Lab Lot# of pH paper:

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

Initial when completed:

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																										2							2.5 / 5
002																										2							2.5 / 5
003																										2							2.5 / 5
004																										2							2.5 / 5
005																										2							2.5 / 5
006																										2							2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
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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

MCH 8/7/25

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	1L plastic HNO3
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40299732

40299732

Client Name: SCS Engineers

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 - 142 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.0 /Corr: 2.5

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

Person examining contents:
Date: 8/7/25 /Initials: MCH

Labeled By Initials: EO

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:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
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

Page 2 of 2

Appendix D

Historical Monitoring Results

Single Location
Name: WPL - Edgewater Closed

Location ID: 2R-OW
Number of Sampling Dates: 26

Parameter Name	Units	4/8/2016	6/20/2016	8/9/2016	10/20/2016	1/24/2017	4/6/2017	6/6/2017	8/1/2017	10/23/2017	4/2/2018	10/1/2018	4/8/2019	10/7/2019	4/8/2020	10/15/2020	4/14/2021
Boron	ug/L	100	22.4	32.6	43.1	31.2	70.6	45.2	35.7	55.9	19.7	34.7	35.8	58.8	52.3	29.9	45.7
Calcium	ug/L	205000	148000	145000	155000	152000	143000	145000	164000	170000	121000	190000	121000	132000	117000	124000	154000
Chloride	mg/L	91.7	232	215	217	201	102	115	272	305	108	462	55.3	88.8	67.5	179	116
Fluoride	mg/L	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.095	0.096	<0.095
Field pH	Std. Units	7.34	7.02	6.1	6.98	7.15	7.01	6.86	7	7.23	7.29	7.03	8.57	6.88	7.08	7.2	7.52
Sulfate	mg/L	19.5	28	25.4	21.6	23.9	17.6	17.8	28.8	29.3	17.2	37.2	10.6	13.2	11.6	20.3	15.3
Total Dissolved Solids	mg/L	774	908	974	944	854	750	744	1000	1010	680	1260	610	706	604	806	737
Antimony	ug/L	0.3	<0.073	<0.073	<0.073	0.073	<0.073	0.32	<0.15	--	--	--	--	--	--	--	--
Arsenic	ug/L	5.2	0.34	0.39	0.39	0.65	0.35	0.71	1.2	--	--	--	--	--	--	--	--
Barium	ug/L	344	110	155	189	158	150	172	154	--	--	--	--	--	--	--	--
Beryllium	ug/L	0.83	<0.13	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	--	--	--	--	--	--	--	--
Cadmium	ug/L	0.21	<0.089	<0.089	<0.089	<0.089	<0.089	0.2	<0.081	--	--	--	--	--	--	--	--
Chromium	ug/L	23.6	3.1	2.9	1.7	2.6	2.2	1.6	4.3	--	--	--	--	--	--	--	--
Cobalt	ug/L	6	0.081	0.05	0.21	0.22	0.28	0.7	1.7	--	--	--	--	--	--	--	--
Lead	ug/L	13	0.17	0.14	0.074	0.38	0.48	0.4	1.2	--	--	--	--	--	--	--	--
Lithium	ug/L	19.6	9.6	9	8.2	8.2	5.3	6.2	15.1	--	--	--	--	--	--	--	--
Molybdenum	ug/L	0.58	0.28	0.32	0.25	0.28	0.5	0.54	0.44	--	--	--	--	--	--	--	--
Selenium	ug/L	2.2	<0.21	<0.21	<0.21	<0.21	<0.21	0.34	<0.32	--	--	--	--	--	--	--	--
Thallium	ug/L	0.19	<0.14	<0.14	<0.14	<0.14	<0.14	0.45	<0.14	--	--	--	--	--	--	--	--
Mercury	ug/L	<0.18	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	--	--	--	--	--	--	--	--
Total Radium	pCi/L	0.945	0.815	0.432	0.896	0.627	1.02	1.58	2.12	--	--	--	--	--	--	--	--
pH at 25 Degrees C	Std. Units	7.4	7.4	7	7.4	7.4	7.1	6.9	7.1	7.1	7.4	7	7.5	7.1	7.1	7.4	7.4
Radium-226	pCi/L	0.304	0.433	0.0836	0.193	0	0.418	0.531	0.658	--	--	--	--	--	--	--	--
Radium-228	pCi/L	0.641	0.382	0.348	0.703	0.627	0.605	1.05	0.502	--	--	--	--	--	--	--	--
Field Specific Conductance	umhos/cm	1332	1277	1697	1533	1579	1387	1294	1651	1864	1177	2202	1077	1261	1081	1490	1229
Oxygen, Dissolved	mg/L	4.6	0.9	1	0.6	1	0.5	0.1	0	4.9	6.7	1.6	0.6	2.5	1.5	3.5	6.9
Field Oxidation Potential	mV	130	82	140	117	87	120	-20	-22	131	85	180	75	148	43.7	282	282
Groundwater Elevation	feet	610.02	606.7	605.74	607.27	609.64	609.27	607.63	604.59	601.74	607.87	604.61	609.5	609.39	608.97	604.27	608.5
Temperature, Water (C)	deg C	5.6	10.6	13.9	14.1	7.5	7	10.1	13	13	5.2	13.4	6.7	14	6.1	13.6	6.6
Turbidity	NTU	612.3	10.97	3.64	3.32	11.71	16.46	0.55	41.3	2.24	6.38	7.09	8.59	--	15.24	28.74	413

Single Location
Name: WPL - Edgewater Closed

Location ID: 2R-OW
Number of Sampling Dates: 26

Parameter Name	Units	10/26/2021	4/13/2022	10/6/2022	4/26/2023	10/10/2023	4/16/2024	10/3/2024	1/17/2025	4/23/2025	8/5/2025
Boron	ug/L	47.2	27.9	49	32	33.5	36.7	33.5	22.9	38.6	29.8
Calcium	ug/L	192000	160000	152000	91800	156000	109000	193000	148000	105000	163000
Chloride	mg/L	493	275	414	53.4	420	67.4	484	385	98.5	533
Fluoride	mg/L	<4.8	<0.95	<0.095	0.11	<0.95	0.14	<0.095	<0.48	<0.48	<0.95
Field pH	Std. Units	7.01	7.2	7.08	7.3	7.06	6.99	7.1	7.01	7.3	6.95
Sulfate	mg/L	35.7	18.5	28	7.5	28.7	9	26.7	19.2	9.4	22.7
Total Dissolved Solids	mg/L	1170	866	1110	512	1080	566	1330	998	546	1310
Antimony	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Arsenic	ug/L	--	--	--	--	--	--	0.36	<0.28	<0.28	<0.28
Barium	ug/L	--	--	--	--	--	--	177	133	113	154
Beryllium	ug/L	--	--	--	--	--	--	<0.25	<0.25	<0.25	<0.25
Cadmium	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Chromium	ug/L	--	--	--	--	--	--	2	2.3	1.9	2.7
Cobalt	ug/L	--	--	--	--	--	--	0.98	0.13	<0.12	<0.12
Lead	ug/L	--	--	--	--	--	--	<0.24	<0.24	<0.24	<0.24
Lithium	ug/L	--	--	--	--	--	--	17.9	9.1	2.9	15.1
Molybdenum	ug/L	--	--	--	--	--	--	0.54	<0.44	0.48	0.47
Selenium	ug/L	--	--	--	--	--	--	<0.32	<0.32	0.45	<0.32
Thallium	ug/L	--	--	--	--	--	--	<0.14	0.47	<0.14	<0.14
Mercury	ug/L	--	--	--	--	--	--	<0.066	<0.066	<0.066	<0.099
Total Radium	pCi/L	--	--	--	--	--	--	0.825	1.66	0.818	1.65
pH at 25 Degrees C	Std. Units	7.2	7.2	7.1	7.4	7	8	8.1	8.1	7.9	--
Radium-226	pCi/L	--	--	--	--	--	--	0.183	1.1	-0.0693	0.977
Radium-228	pCi/L	--	--	--	--	--	--	0.642	0.561	0.818	1.25
Field Specific Conductance	umhos/cm	2290	1549	1992	889	1902	952	2470	1948	950	2024
Oxygen, Dissolved	mg/L	0.6	6.72	1.06	0.9	1.22	0.7	--	4.64	2.89	1.5
Field Oxidation Potential	mV	242	425.6	522.7	306.2	544.4	133.4	--	36.6	106	16
Groundwater Elevation	feet	604.04	609.5	602.8	607.74	600.38	607.7	602.63	605.16	608.15	603.22
Temperature, Water (C)	deg C	14	7.5	13.6	6.9	12.7	8.6	15.6	9.4	7.4	13.5
Turbidity	NTU	95.2	205	2.75	3.62	3.78	3.61	--	14	4.95	6.92

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-301
Number of Sampling Dates: 27

Parameter Name	Units	4/11/2016	6/20/2016	8/9/2016	10/20/2016	1/23/2017	4/6/2017	6/6/2017	8/2/2017	10/24/2017	4/2/2018	10/1/2018	4/8/2019	10/7/2019	4/8/2020	6/26/2020	10/15/2020
Boron	ug/L	8550	8190	8450	8620	9280	8370	9160	8610	8820	7950	8230	7310	7220	7450	--	6550
Calcium	ug/L	88700	92200	84000	89400	89200	98800	94900	83600	87200	78900	88800	77500	87600	80800	--	114000
Chloride	mg/L	16.2	15.9	13.7	13.9	13.8	12.7	13.5	12.3	11.9	11.2	11.5	11.4	11.1	12.5	--	13.9
Fluoride	mg/L	0.33	0.36	0.33	0.34	0.42	0.21	<0.1	0.32	<0.1	0.25	0.2	0.29	0.24	0.39	0.26	<0.48
Field pH	Std. Units	7.91	7.48	6.47	7.68	8.03	7.98	7.7	7.58	7.43	8.02	7.71	8.18	7.56	7.82	7.53	7.64
Sulfate	mg/L	372	343	368	369	372	367	362	340	341	332	318	322	312	298	--	293
Total Dissolved Solids	mg/L	838	794	862	838	826	838	804	780	772	752	722	724	694	718	--	678
Antimony	ug/L	0.49	0.21	<0.073	0.083	0.2	<0.15	0.33	<0.15	--	--	--	--	--	--	--	--
Arsenic	ug/L	4.3	2.4	2.3	4.2	1.8	2.8	1.9	1.5	--	--	--	--	--	--	--	--
Barium	ug/L	48.7	32.6	30.5	31.4	32.2	53.8	30.3	28.2	--	--	--	--	--	--	--	--
Beryllium	ug/L	0.18	<0.13	<0.13	<0.13	0.28	<0.25	<0.18	<0.18	--	--	--	--	--	--	--	--
Cadmium	ug/L	0.2	0.22	<0.089	<0.089	0.17	<0.18	<0.081	<0.081	--	--	--	--	--	--	--	--
Chromium	ug/L	3.5	0.55	<0.39	0.86	1.1	6.4	<1	<1	--	--	--	--	--	--	--	--
Cobalt	ug/L	1.2	0.39	0.38	0.39	0.24	1.5	0.24	0.2	--	--	--	--	--	--	--	--
Lead	ug/L	2.2	0.3	<0.04	0.29	0.47	2.1	0.28	0.29	--	--	--	--	--	--	--	--
Lithium	ug/L	21.4	14.2	15.6	15.8	16.3	20.6	17	15.8	--	--	--	--	--	--	--	--
Molybdenum	ug/L	2200	2040	2160	2300	2210	2090	2460	2070	--	--	--	--	--	--	--	--
Selenium	ug/L	0.52	<0.21	<0.21	<0.21	<0.21	<0.42	<0.32	<0.32	--	--	--	--	--	--	--	--
Thallium	ug/L	0.31	<0.14	<0.14	<0.14	0.22	<0.29	0.17	<0.14	--	--	--	--	--	--	--	--
Mercury	ug/L	<0.18	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	--	--	--	--	--	--	--	--
Total Radium	pCi/L	0.41	1.62	0.456	0.729	1.09	1.51	0.494	1.67	--	--	--	--	--	--	--	--
pH at 25 Degrees C	Std. Units	7.9	7.6	7.4	7.5	7.9	7.9	7.7	7.5	7.5	7.8	7.7	7.9	7.8	7.9	--	7.6
Radium-226	pCi/L	0.32	0.958	-0.17	0.193	0.136	0.734	0.179	0.548	--	--	--	--	--	--	--	--
Radium-228	pCi/L	0.0904	0.661	0.456	0.536	0.951	0.774	0.315	0.296	--	--	--	--	--	--	--	--
Field Specific Conductance	umhos/cm	1206	1173	1230	1214	1198	1213	1147	1111	1096	1071	1086	1022	1052	977	983	996
Oxygen, Dissolved	mg/L	4.8	1.6	0.1	0.2	7.4	5.5	3	0.5	0	6.5	4.5	6.2	2.7	6.9	5.47	0.8
Field Oxidation Potential	mV	5.2	89	-31	-24	173	51	-15	-13	-18	44	53	55	146	17.1	49.1	140
Groundwater Elevation	feet	599.94	598.3	598	598.5	597.1	600.04	598.77	597.4	597.2	598.54	597.6	598.92	599.56	599.17	597.89	595.1
Temperature, Water (C)	deg C	7.2	10.1	10.5	10.8	8.8	8.9	9.5	11.6	10.7	7.8	11	9	12.2	8.5	16.8	11.2
Turbidity	NTU	10.88	3.13	2.42	46.07	21.84	168.6	16.11	6.51	11.58	12.19	13.32	32.91	79.44	37.12	62.57	130

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-301
Number of Sampling Dates: 27

Parameter Name	Units	4/14/2021	10/26/2021	4/13/2022	10/6/2022	4/25/2023	10/10/2023	4/16/2024	10/3/2024	1/3/2025	4/22/2025	8/4/2025
Boron	ug/L	7200	6710	7240	6230	6770	6600	6490	7230	7310	6350	6750
Calcium	ug/L	118000	102000	89300	86900	87900	98500	93900	106000	96500	98700	107000
Chloride	mg/L	13.5	13.8	14	15.5	17.9	18.3	18.8	18.3	19.8	21.7	21.5
Fluoride	mg/L	0.25	0.24	<0.095	0.21	0.21	0.2	0.27	0.28	<0.95	0.19	<0.19
Field pH	Std. Units	7.96	7.01	7.38	7.56	7.63	7.66	7.34	7.48	7.49	7.58	7.44
Sulfate	mg/L	195	203	212	213	168	185	191	177	182	185	184
Total Dissolved Solids	mg/L	614	538	560	572	554	560	572	540	330	576	626
Antimony	ug/L	--	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Arsenic	ug/L	--	--	--	--	--	--	--	2	1.7	1.6	1.8
Barium	ug/L	--	--	--	--	--	--	--	25.2	31.9	24.2	24.9
Beryllium	ug/L	--	--	--	--	--	--	--	<0.25	<0.25	<0.25	<0.25
Cadmium	ug/L	--	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Chromium	ug/L	--	--	--	--	--	--	--	<1	2.4	<1	<1
Cobalt	ug/L	--	--	--	--	--	--	--	0.26	0.75	0.21	0.32
Lead	ug/L	--	--	--	--	--	--	--	<0.24	0.5	<0.24	<0.24
Lithium	ug/L	--	--	--	--	--	--	--	8.6	9.6	8.8	8.6
Molybdenum	ug/L	--	--	--	--	--	--	--	1950	1890	1820	1770
Selenium	ug/L	--	--	--	--	--	--	--	<0.32	<0.32	<0.32	<0.32
Thallium	ug/L	--	--	--	--	--	--	--	<0.14	<0.14	<0.14	<0.14
Mercury	ug/L	--	--	--	--	--	--	--	<0.066	<0.066	<0.066	<0.099
Total Radium	pCi/L	--	--	--	--	--	--	--	0.271	2.11	1.41	1.64
pH at 25 Degrees C	Std. Units	7.7	7.1	7.5	7.6	7.7	7.5	8.1	8.2	7.9	7.8	--
Radium-226	pCi/L	--	--	--	--	--	--	--	-0.794	1.41	0.324	0.908
Radium-228	pCi/L	--	--	--	--	--	--	--	0.271	0.697	1.09	0.727
Field Specific Conductance	umhos/cm	815	811	777	804	765	339	785	820	832	794	846
Oxygen, Dissolved	mg/L	8.2	5.4	2.82	0.39	3.14	4.85	4.32	1.27	4.46	2.59	1.8
Field Oxidation Potential	mV	226	196	417.1	-41.7	416.4	548	132.1	812.6	761.5	23	-19.6
Groundwater Elevation	feet	595.17	590.68	594.89	590.21	597.77	592.51	597.38	594.24	596.12	598.22	594.06
Temperature, Water (C)	deg C	7.8	11.2	9	11.6	8.5	10.4	9.7	12.9	7.9	9.3	14.3
Turbidity	NTU	124	88.4	25.6	20.7	96.1	--	33.5	26.9	24.9	30.3	33.2

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-302
Number of Sampling Dates: 26

Parameter Name	Units	4/8/2016	6/20/2016	8/9/2016	10/20/2016	1/24/2017	4/6/2017	6/6/2017	8/2/2017	10/24/2017	4/2/2018	10/1/2018	4/8/2019	10/7/2019	4/8/2020	10/15/2020	4/14/2021
Boron	ug/L	1950	2010	2000	2150	2000	1970	1970	1890	1760	1800	1570	1670	1730	1570	1410	1550
Calcium	ug/L	122000	116000	75900	72100	87400	114000	72200	62600	68100	68000	64700	64800	67500	66800	124000	81200
Chloride	mg/L	18.9	27.2	18	19.5	18.6	18.9	20	19.3	18.9	18.5	18.6	18.4	17.8	19.2	20.9	20.6
Fluoride	mg/L	0.83	1.3	0.8	0.8	0.89	0.76	0.9	0.78	0.84	0.78	0.81	0.87	0.85	0.97	1	0.88
Field pH	Std. Units	8.01	7.73	6.55	7.89	7.98	7.99	7.84	7.76	7.6	7.78	7.99	7.98	7.86	7.56	7.9	8.19
Sulfate	mg/L	75.1	89.6	80.7	77.2	71.1	85.8	88.5	80.2	72.2	72.7	59.2	71.7	55.7	65.3	73.1	70.5
Total Dissolved Solids	mg/L	352	364	396	348	328	358	350	360	316	314	306	324	290	316	182	342
Antimony	ug/L	0.3	0.085	<0.073	<0.073	0.86	<0.36	0.16	<0.15	--	--	--	--	--	--	--	--
Arsenic	ug/L	10.3	9.7	10.2	8.4	10.9	9.6	8.7	9	--	--	--	--	--	--	--	--
Barium	ug/L	152	109	66.7	57.2	90.1	104	58.4	50.9	--	--	--	--	--	--	--	--
Beryllium	ug/L	0.59	0.35	<0.13	<0.13	0.78	<0.63	<0.18	<0.18	--	--	--	--	--	--	--	--
Cadmium	ug/L	0.24	<0.089	<0.089	<0.089	0.49	<0.44	<0.081	<0.081	--	--	--	--	--	--	--	--
Chromium	ug/L	18.7	11.1	3.5	2.5	7.1	10	6.6	1.1	--	--	--	--	--	--	--	--
Cobalt	ug/L	6.2	3.6	1.1	0.84	2.6	3.2	1.5	0.53	--	--	--	--	--	--	--	--
Lead	ug/L	5.5	3.3	0.84	0.71	2.3	5.2	0.7	0.44	--	--	--	--	--	--	--	--
Lithium	ug/L	58.1	62.3	55.4	51.8	54.8	58.7	52.3	52.2	--	--	--	--	--	--	--	--
Molybdenum	ug/L	610	640	652	685	674	654	631	649	--	--	--	--	--	--	--	--
Selenium	ug/L	1.3	0.76	<0.21	0.22	<1	<1	<0.32	<0.32	--	--	--	--	--	--	--	--
Thallium	ug/L	0.35	<0.14	<0.14	<0.14	1.6	<0.71	<0.14	<0.14	--	--	--	--	--	--	--	--
Mercury	ug/L	<0.18	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	--	--	--	--	--	--	--	--
Total Radium	pCi/L	1.47	0.505	0.0999	0.771	1.9	1.18	1.66	1.08	--	--	--	--	--	--	--	--
pH at 25 Degrees C	Std. Units	7.3	7.8	7.7	7.8	7.7	7.9	7.5	7.7	7.7	7.8	7.6	7.8	7.6	7.8	7.7	7.8
Radium-226	pCi/L	0.843	-0.408	-0.153	0.331	0.37	0.371	0.706	0.474	--	--	--	--	--	--	--	--
Radium-228	pCi/L	0.623	0.505	0.0999	0.44	1.53	0.813	0.95	0.604	--	--	--	--	--	--	--	--
Field Specific Conductance	umhos/cm	531	564	539	525	519	552	465	532	505	517	504	519	487	476	523	517
Oxygen, Dissolved	mg/L	1	0.2	0.1	1	0.1	0	0.5	0	0	0.6	0.8	1.6	1.3	0.4	0.3	1.8
Field Oxidation Potential	mV	-41	-123	-123	-111	-87	-517	-40	-121	-118	-123	-96	-95	124	-107.6	-83	41
Groundwater Elevation	feet	596.39	595.68	595.53	595.46	596.3	593.57	595.86	595.22	595.25	595.71	595.28	595.68	595.58	595.33	598.56	600.56
Temperature, Water (C)	deg C	9	13.1	13.2	11.2	9.3	9.6	12.2	12.6	11.1	10.3	11.6	11.9	13.5	11.3	11.2	7.5
Turbidity	NTU	885.4	369.4	108.3	62.99	161.1	367.5	94.92	39.69	42.45	24.89	55.15	59.51	32.69	69.22	161.8	252

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-302
Number of Sampling Dates: 26

Parameter Name	Units	10/26/2021	4/13/2022	10/6/2022	4/26/2023	10/10/2023	4/16/2024	10/3/2024	1/17/2025	4/22/2025	8/4/2025
Boron	ug/L	1580	1460	1610	1450	1400	1610	1610	1530	1570	1570
Calcium	ug/L	78200	61500	64000	46900	59400	48600	49200	51400	47900	47600
Chloride	mg/L	20.7	21.2	21.2	16.5	22	<3	16.4	18.5	17.5	17.2
Fluoride	mg/L	0.88	0.91	0.87	0.75	0.85	<0.48	0.67	0.74	0.72	0.65
Field pH	Std. Units	7.6	7.7	7.89	7.85	7.89	7.58	7.74	7.78	7.96	7.83
Sulfate	mg/L	71.2	68.5	70.5	75.4	57.5	6	79.9	85.4	73.9	78.2
Total Dissolved Solids	mg/L	290	318	306	344	308	348	338	338	332	352
Antimony	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Arsenic	ug/L	--	--	--	--	--	--	7.5	8.1	8.5	7.1
Barium	ug/L	--	--	--	--	--	--	49.9	55.6	53.3	48.3
Beryllium	ug/L	--	--	--	--	--	--	<0.25	<0.25	<0.25	<0.25
Cadmium	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Chromium	ug/L	--	--	--	--	--	--	<1	2	<1	<1
Cobalt	ug/L	--	--	--	--	--	--	<0.12	0.56	0.26	<0.12
Lead	ug/L	--	--	--	--	--	--	<0.24	0.5	<0.24	<0.24
Lithium	ug/L	--	--	--	--	--	--	52.2	48.2	49.5	48.8
Molybdenum	ug/L	--	--	--	--	--	--	360	338	343	345
Selenium	ug/L	--	--	--	--	--	--	<0.32	<0.32	<0.32	<0.32
Thallium	ug/L	--	--	--	--	--	--	<0.14	<0.14	<0.14	<0.14
Mercury	ug/L	--	--	--	--	--	--	<0.066	<0.066	<0.066	<0.099
Total Radium	pCi/L	--	--	--	--	--	--	0.193	2.36	0.775	2.14
pH at 25 Degrees C	Std. Units	7.8	7.7	7.8	8	7.8	8.3	8.3	8.4	8.1	--
Radium-226	pCi/L	--	--	--	--	--	--	-0.112	1.64	-0.25	1.31
Radium-228	pCi/L	--	--	--	--	--	--	0.193	0.723	0.775	0.825
Field Specific Conductance	umhos/cm	496	488	499	501	465	481	489	461.8	450	506
Oxygen, Dissolved	mg/L	0.1	1.39	0.61	1.86	1.4	1.77	1.79	0.38	1.02	0.46
Field Oxidation Potential	mV	134	337.4	105.4	169.1	310.8	-51.9	595.2	-43.8	-33	-93.1
Groundwater Elevation	feet	599.82	600.5	599.41	593.63	592.01	593.52	593.01	593.11	593.96	592.97
Temperature, Water (C)	deg C	11.1	8.7	12.1	8.7	11.7	10.6	14.4	9.6	10.2	14.5
Turbidity	NTU	69.8	26.2	21.9	3.1	4.82	10.2	15.6	220	37.8	6.35

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-303
Number of Sampling Dates: 26

Parameter Name	Units	4/8/2016	6/20/2016	8/9/2016	10/20/2016	1/24/2017	4/6/2017	6/6/2017	8/2/2017	10/24/2017	4/2/2018	10/1/2018	4/8/2019	10/7/2019	4/8/2020	10/15/2020	4/14/2021
Boron	ug/L	4210	3360	3860	3740	4210	4170	4570	3780	3480	3040	2360	2930	2830	3380	3310	4600
Calcium	ug/L	176000	138000	145000	147000	147000	135000	154000	139000	173000	146000	139000	135000	136000	144000	132000	176000
Chloride	mg/L	21.8	31.5	22.8	26	26.2	22.7	25.4	23.2	20.4	19.7	4.3	20	19.1	23.5	20.9	22.5
Fluoride	mg/L	<0.2	<1	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.48	<0.48	<0.095
Field pH	Std. Units	7.04	6.79	6.09	6.94	6.94	6.88	7	6.94	7.14	6.86	6.93	7.15	6.9	6.7	7.11	7.27
Sulfate	mg/L	3	11.4	2.4	5.6	<5	<5	<5	<5	<5	<5	<1	<5	<5	<2.2	<2.2	0.54
Total Dissolved Solids	mg/L	660	716	732	744	738	700	714	714	566	630	620	668	584	692	620	710
Antimony	ug/L	0.14	<0.073	<0.073	<0.073	<0.073	<0.073	0.32	0.25	--	--	--	--	--	--	--	--
Arsenic	ug/L	12.8	9.7	10.7	18.1	25.3	21.8	25.2	21.9	--	--	--	--	--	--	--	--
Barium	ug/L	229	189	195	180	186	142	143	144	--	--	--	--	--	--	--	--
Beryllium	ug/L	0.3	<0.13	<0.13	<0.13	<0.13	<0.13	0.33	0.21	--	--	--	--	--	--	--	--
Cadmium	ug/L	<0.089	<0.089	<0.089	<0.089	<0.089	<0.089	0.17	0.14	--	--	--	--	--	--	--	--
Chromium	ug/L	14.1	1.5	2	1.8	1.4	1.5	2.1	1.7	--	--	--	--	--	--	--	--
Cobalt	ug/L	8.7	5.3	5	4.4	4.3	3	3.4	3.2	--	--	--	--	--	--	--	--
Lead	ug/L	4.7	0.28	0.35	0.21	0.19	0.16	0.56	0.66	--	--	--	--	--	--	--	--
Lithium	ug/L	17.6	9.1	10.4	8.9	8.3	8.3	9.3	10.7	--	--	--	--	--	--	--	--
Molybdenum	ug/L	25.1	11.6	12.7	9	7.7	5.1	4.5	5.9	--	--	--	--	--	--	--	--
Selenium	ug/L	1.2	0.48	0.31	0.55	0.71	0.38	0.5	0.6	--	--	--	--	--	--	--	--
Thallium	ug/L	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	0.36	0.26	--	--	--	--	--	--	--	--
Mercury	ug/L	<0.18	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	--	--	--	--	--	--	--	--
Total Radium	pCi/L	1.44	1.93	1.22	1.48	1.16	1.31	1.2	1.81	--	--	--	--	--	--	--	--
pH at 25 Degrees C	Std. Units	7.2	7	6.9	7.2	7	6.8	6.9	7	6.8	7	6.8	6.9	7	6.8	7	7.1
Radium-226	pCi/L	0.239	1.03	0.651	0.521	0.386	0.123	0.276	0.772	--	--	--	--	--	--	--	--
Radium-228	pCi/L	1.2	0.898	0.567	0.962	0.772	1.19	0.926	1.04	--	--	--	--	--	--	--	--
Field Specific Conductance	umhos/cm	1273	1196	1220	1313	1335	1320	1112	1218	1095	1131	1105	1196	1127	1241	1123	1222
Oxygen, Dissolved	mg/L	0.49	0.9	0.1	0	0	0	0.8	0	0	0.3	0.2	0.3	0.2	0.2	0.2	2.3
Field Oxidation Potential	mV	-48	-71	-81	-102	-89	-20	-58	-116	-108	-97	-93	-85	122	-102.9	-32	-41
Groundwater Elevation	feet	589.24	587.22	587.72	588.37	588.84	589.04	588.44	587.36	587.97	588.77	588.17	588.88	588.77	588.66	593.19	595.01
Temperature, Water (C)	deg C	9.1	11.6	11.9	10.7	10.5	10	10.2	10.4	11	9.8	10.7	10.3	11.8	10	10.9	7.7
Turbidity	NTU	409.5	18.26	48.39	16.45	12.58	9.61	186.4	28.41	563	233.5	107.1	61.84	94.01	87.6	70.42	408

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-303
Number of Sampling Dates: 26

Parameter Name	Units	10/26/2021	4/13/2022	10/6/2022	4/25/2023	10/10/2023	4/16/2024	10/3/2024	1/17/2025	4/22/2025	8/5/2025
Boron	ug/L	3650	4360	3650	4870	4160	5100	5140	5270	4780	5270
Calcium	ug/L	148000	139000	135000	128000	134000	148000	142000	145000	139000	143000
Chloride	mg/L	21.6	23.4	22	22.3	19.9	22.9	4.2	24.8	23.2	20.3
Fluoride	mg/L	<0.48	<0.48	<0.095	<0.095	<0.095	<0.095	<0.095	<0.48	<0.095	<0.095
Field pH	Std. Units	6.92	6.78	6.92	6.87	6.99	6.64	6.76	6.79	7.04	6.83
Sulfate	mg/L	<2.2	<2.2	<0.44	0.5	<0.44	<0.44	<0.44	<2.2	<0.44	0.94
Total Dissolved Solids	mg/L	640	722	658	740	600	724	668	684	738	696
Antimony	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Arsenic	ug/L	--	--	--	--	--	--	23.2	26.6	24.4	22.8
Barium	ug/L	--	--	--	--	--	--	102	121	122	100
Beryllium	ug/L	--	--	--	--	--	--	<0.25	<0.25	<0.25	<0.25
Cadmium	ug/L	--	--	--	--	--	--	<0.15	<0.15	<0.15	<0.15
Chromium	ug/L	--	--	--	--	--	--	1.7	5.4	3.1	1.5
Cobalt	ug/L	--	--	--	--	--	--	1.8	2.6	2	1.7
Lead	ug/L	--	--	--	--	--	--	0.42	1.7	0.83	0.44
Lithium	ug/L	--	--	--	--	--	--	13.5	13.1	10.4	12.5
Molybdenum	ug/L	--	--	--	--	--	--	12.8	7	3.8	10.8
Selenium	ug/L	--	--	--	--	--	--	<0.32	<0.32	0.35	0.38
Thallium	ug/L	--	--	--	--	--	--	<0.14	<0.14	<0.14	<0.14
Mercury	ug/L	--	--	--	--	--	--	<0.066	<0.066	<0.066	<0.099
Total Radium	pCi/L	--	--	--	--	--	--	0.359	2.24	1.35	1.85
pH at 25 Degrees C	Std. Units	7	6.8	6.8	7.1	6.9	7.7	7.9	8	7.3	--
Radium-226	pCi/L	--	--	--	--	--	--	-0.111	1.53	0.612	1.15
Radium-228	pCi/L	--	--	--	--	--	--	0.359	0.707	0.738	0.702
Field Specific Conductance	umhos/cm	1171	1224	1184	1230	1030	1155	1140	1116	1135	1116
Oxygen, Dissolved	mg/L	1.6	1.98	1.31	5.27	3.49	4.65	1.21	4.19	3.95	3.84
Field Oxidation Potential	mV	170	330.2	175.4	370.4	311.5	-61.6	518.8	-68.8	-64	-62.5
Groundwater Elevation	feet	594.07	595.2	593.63	587.99	585.79	587.88	586.7	587.54	588.15	586.39
Temperature, Water (C)	deg C	12.3	8.6	11.8	8	11.4	10.5	16.1	9.4	8.5	14.3
Turbidity	NTU	88.4	75.1	165	44.1	--	50.8	38.7	270	196	40.3

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-304
Number of Sampling Dates: 9

Parameter Name	Units	4/16/2024	7/26/2024	8/28/2024	10/3/2024	11/4/2024	12/4/2024	1/17/2025	4/22/2025	8/4/2025
Boron	ug/L	4780	--	4230	4160	4430	4000	809	4290	3870
Calcium	ug/L	278000	83800	82700	96000	87900	78500	97400	440000	105000
Chloride	mg/L	22.1	--	25	25.7	24.7	27.6	28.9	28.9	28.6
Fluoride	mg/L	0.8	--	0.83	0.85	0.89	0.83	0.86	0.88	0.87
Field pH	Std. Units	7.4	7.68	7.7	7.42	7.77	7.62	7.6	7.76	7.63
Sulfate	mg/L	99.5	--	94.5	92.2	91.6	82.9	89.7	87.7	83.9
Total Dissolved Solids	mg/L	474	--	404	408	352	384	416	412	426
Antimony	ug/L	<0.3	--	<0.15	<0.15	<0.15	<0.15	<0.15	<0.3	<0.15
Arsenic	ug/L	6.9	--	1.4	1.4	1.4	0.97	3	7.9	1.5
Barium	ug/L	293	--	69.1	97.9	65.7	68	92	314	83.7
Beryllium	ug/L	1.3	--	<0.25	<0.25	<0.25	<0.25	0.54	1.6	<0.25
Cadmium	ug/L	<0.3	--	<0.15	<0.15	0.16	<0.15	<0.15	0.38	<0.15
Chromium	ug/L	42.5	--	1.6	5.9	1.3	2.3	18.7	49.8	6
Cobalt	ug/L	13.7	--	0.72	2.1	0.67	1	6	16.3	2.1
Lead	ug/L	12	--	0.47	1.7	0.38	0.54	4.6	13.8	1.5
Lithium	ug/L	82.8	--	57.9	72	58.4	64.7	30.7	119	69.9
Molybdenum	ug/L	2630	--	1950	2060	1970	1890	367	1840	1770
Selenium	ug/L	0.95	--	<0.32	<0.32	<0.32	<0.32	<0.32	<1.6	<0.32
Thallium	ug/L	0.32	--	<0.14	<0.14	0.46	<0.14	<0.14	0.35	<0.14
Mercury	ug/L	<0.066	--	<0.066	<0.066	<0.066	<0.066	0.088	<0.066	<0.099
Total Radium	pCi/L	1.92	--	0.672	0.65	1.19	1.66	3.72	1.88	2.11
pH at 25 Degrees C	Std. Units	8.2	--	7.8	8.2	8.4	8.3	8.3	8	--
Radium-226	pCi/L	0.834	--	0.113	0.0617	0.374	0.886	1.92	0.141	1.29
Radium-228	pCi/L	1.09	--	0.559	0.588	0.812	0.777	1.8	1.74	0.831
Field Specific Conductance	umhos/cm	563	572.9	571.5	575	522.7	577	498.6	512	591
Oxygen, Dissolved	mg/L	2.79	0.09	0.11	2.33	0.32	2.71	0.64	0.85	1.75
Field Oxidation Potential	mV	225.7	-2.6	-26.5	644.3	111.1	603.4	-30.6	60	-31.7
Groundwater Elevation	feet	--	593.43	593.71	593.16	593.13	592.82	593.17	593.68	593.13
Temperature, Water (C)	deg C	9.8	11	11.1	16.6	11.4	5.8	9.8	9.6	16.7
Turbidity	NTU	--	63.37	30.16	462	34.42	--	--	--	327

Single Location
Name: WPL - Edgewater Closed

Location ID: MW-305
Number of Sampling Dates: 1

Parameter Name	Units	8/6/2025
Boron	ug/L	88.7
Calcium	ug/L	90300
Chloride	mg/L	14.5
Fluoride	mg/L	0.13
Field pH	Std. Units	6.99
Sulfate	mg/L	59.8
Total Dissolved Solids	mg/L	462
Antimony	ug/L	0.17
Arsenic	ug/L	1.2
Barium	ug/L	193
Beryllium	ug/L	<0.25
Cadmium	ug/L	<0.15
Chromium	ug/L	<1
Cobalt	ug/L	2.8
Lead	ug/L	<0.24
Lithium	ug/L	2.4
Molybdenum	ug/L	3.1
Selenium	ug/L	0.76
Thallium	ug/L	<0.14
Mercury	ug/L	<0.099
Total Radium	pCi/L	2.37
Radium-226	pCi/L	1.03
Radium-228	pCi/L	1.34
Field Specific Conductance	umhos/cm	810
Oxygen, Dissolved	mg/L	2.94
Field Oxidation Potential	mV	21.7
Groundwater Elevation	feet	582.03
Temperature, Water (C)	deg C	14.4
Turbidity	NTU	5.22

Appendix E

Statistical Analysis

E1 October 2024 Statistical Analysis

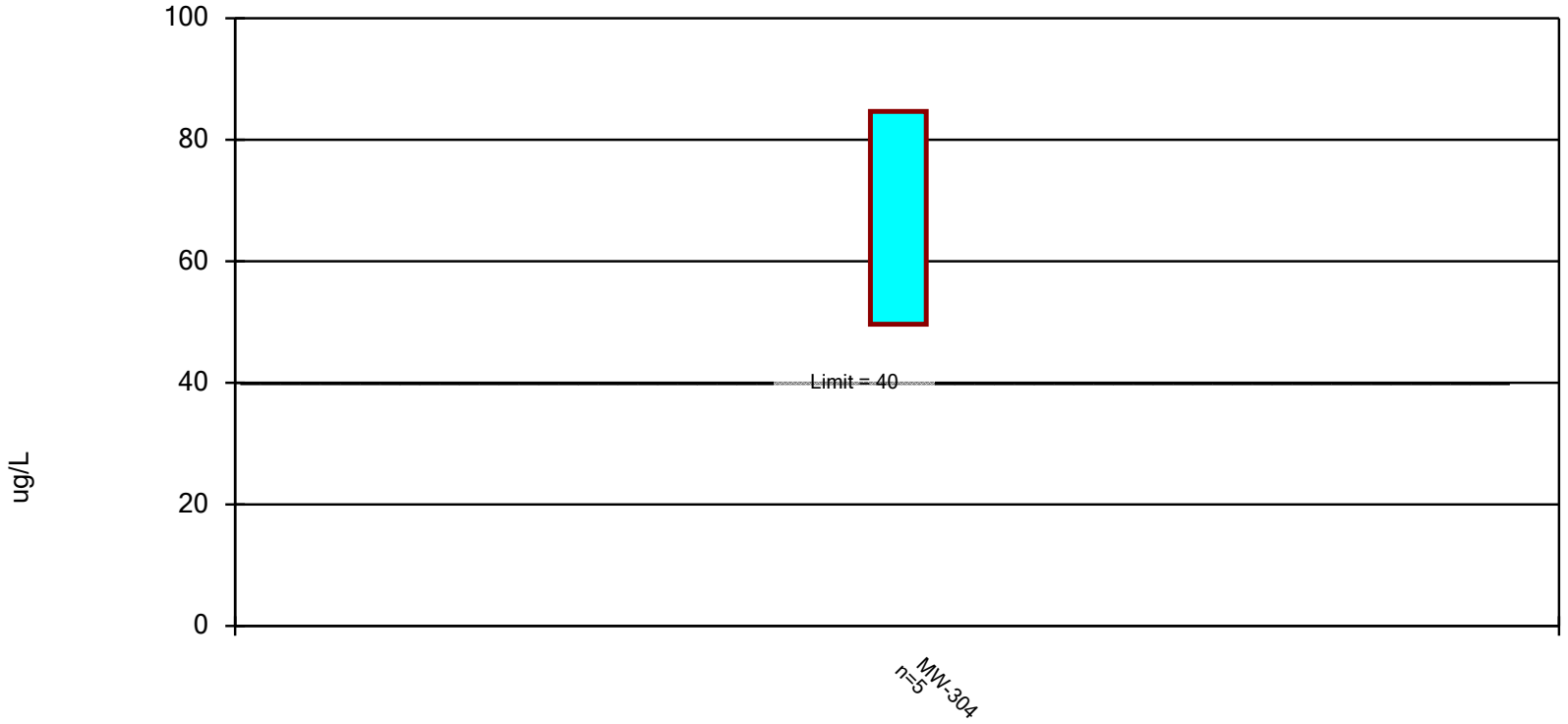
Confidence Interval

Edgewater Closed Generating Station Client: SCS Engineers Data: EDG_Clsd - Chem- export-Dec2020 Printed 1/14/2025, 3:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Lithium (ug/L)	**MW-304**	**84.67**	**49.65**	**40**	**Yes**	**5**	**0**	**No**	**0.01**	**Param.**
Molybdenum (ug/L)	**MW-304**	**2630**	**1890**	**100**	**Yes**	**5**	**0**	**No**	**0.031**	**NP (normality)**

Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/14/2025 3:09 PM View: CCR - UPL - 2020

Edgewater Closed Generating Station Client: SCS Engineers Data: EDG_Clsd - Chem- export-Dec2020

Confidence Interval

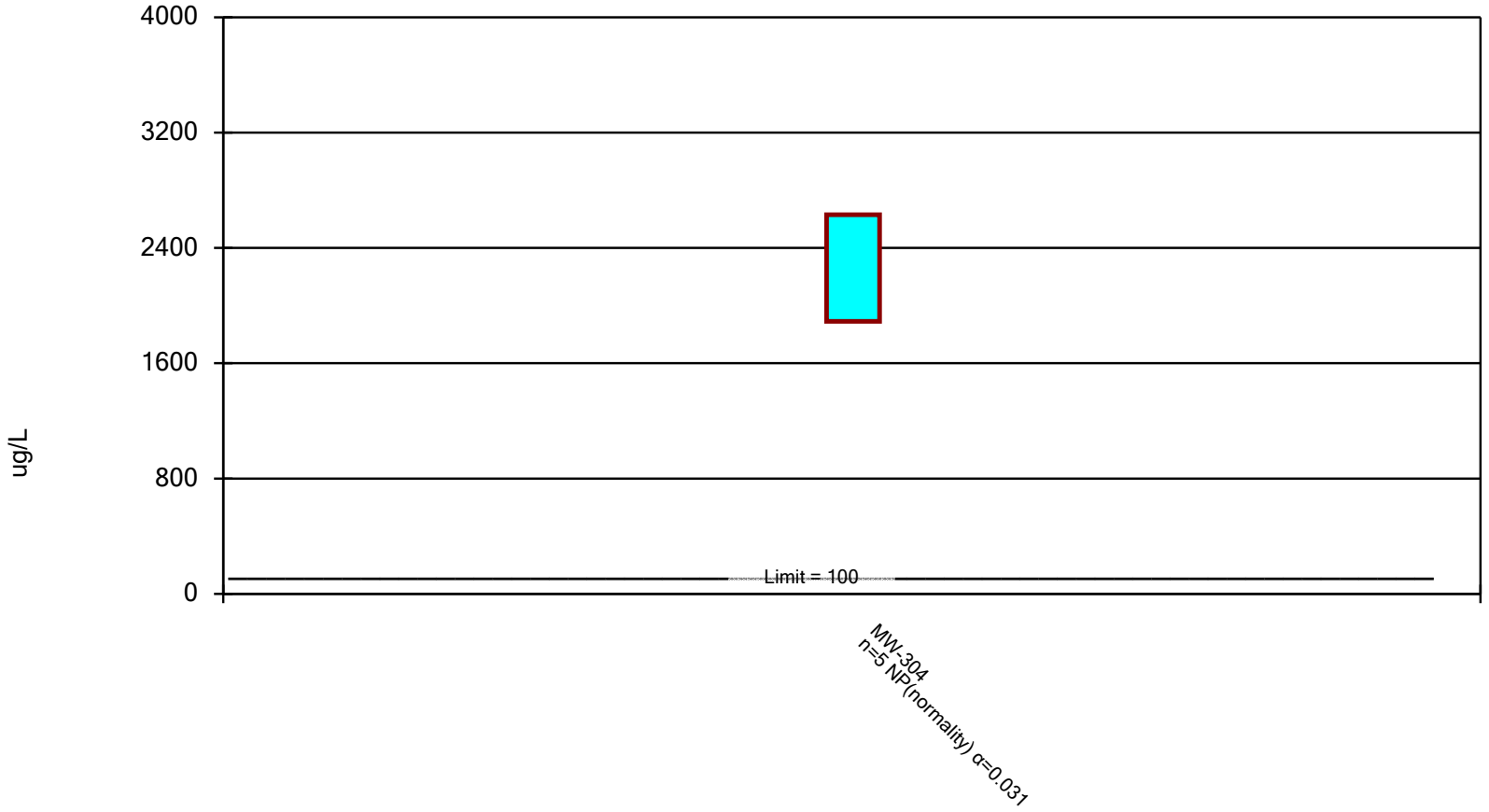
Constituent: Lithium (ug/L) Analysis Run 1/14/2025 3:10 PM View: CCR - UPL - 2020

Edgewater Closed Generating Station Client: SCS Engineers Data: EDG_Clsd - Chem- export-Dec2020

	MW-304
4/16/2024	82.8
8/28/2024	57.9
10/3/2024	72
11/4/2024	58.4
12/4/2024	64.7
Mean	67.16
Std. Dev.	10.45
Upper Lim.	84.67
Lower Lim.	49.65

Non-Parametric Confidence Interval

Compliance limit is exceeded.



Constituent: Molybdenum Analysis Run 1/14/2025 3:09 PM View: CCR - UPL - 2020

Edgewater Closed Generating Station Client: SCS Engineers Data: EDG_Clsd - Chem- export-Dec2020

Confidence Interval

Constituent: Molybdenum (ug/L) Analysis Run 1/14/2025 3:10 PM View: CCR - UPL - 2020

Edgewater Closed Generating Station Client: SCS Engineers Data: EDG_Clsd - Chem- export-Dec2020

	MW-304
4/16/2024	2630
8/28/2024	1950
10/3/2024	2060
11/4/2024	1970
12/4/2024	1890
Mean	2100
Std. Dev.	302.5
Upper Lim.	2630
Lower Lim.	1890

E2 January 2025 Statistical Analysis

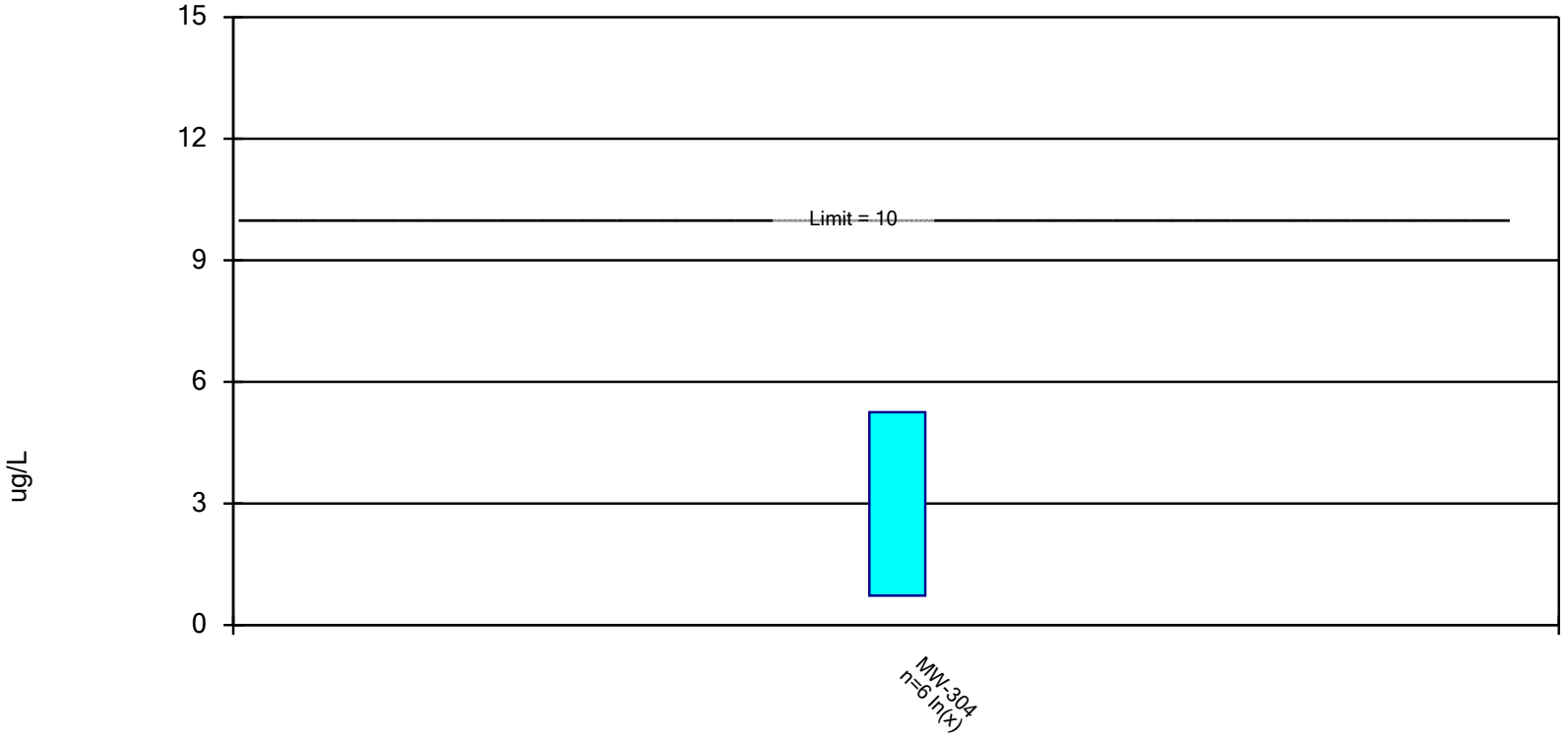
Confidence Interval

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed Printed 7/31/2025, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (ug/L)	MW-304	5.252	0.7245	10	No	6	0	ln(x)	0.01	Param.
Lithium (ug/L)	MW-304	85.23	36.94	40	No	6	0	No	0.01	Param.
Molybdenum (ug/L)	**MW-304**	**2630**	**367**	**100**	**Yes**	**6**	**0**	**No**	**0.0155**	**NP (normality)**

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 7/31/2025 2:35 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

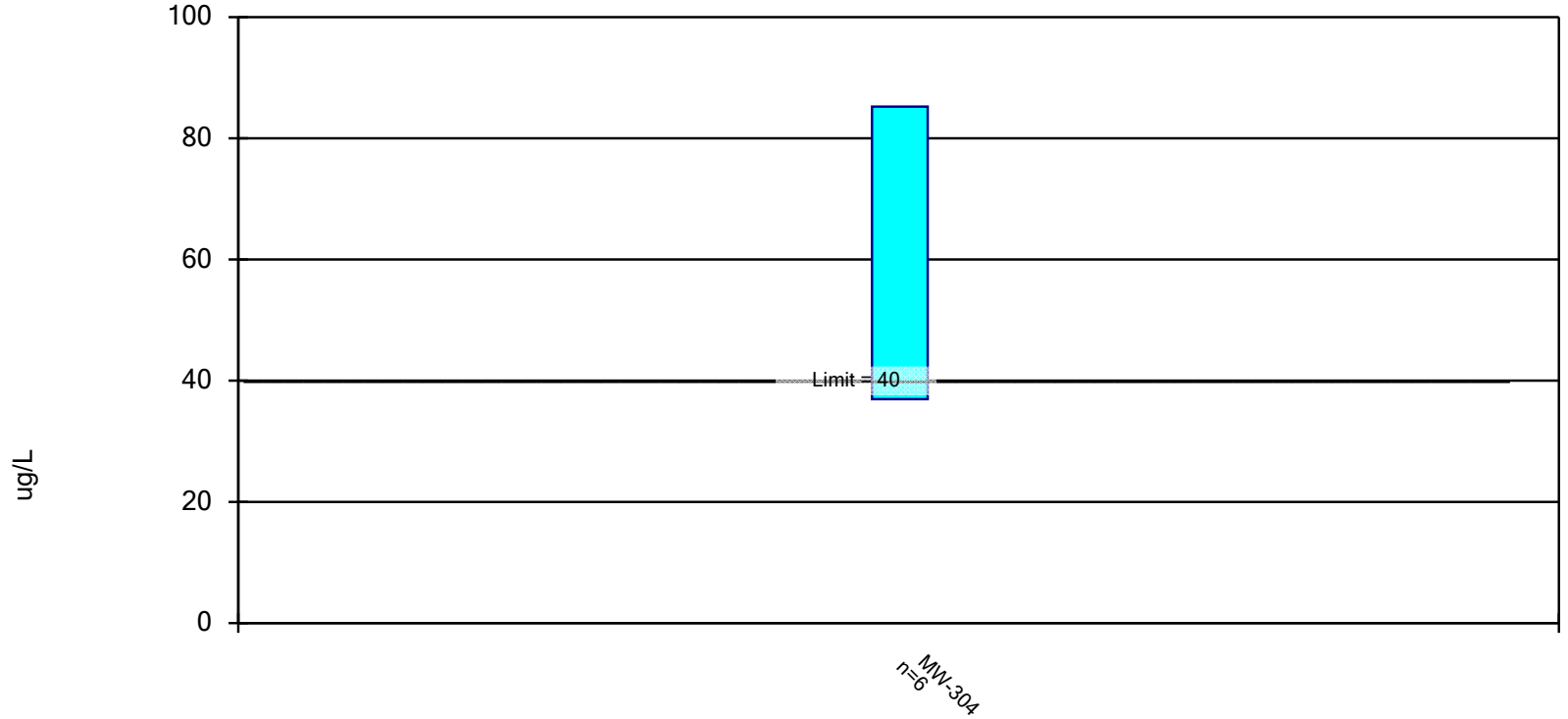
Constituent: Arsenic (ug/L) Analysis Run 7/31/2025 2:37 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	6.9
8/28/2024	1.4
10/3/2024	1.4
11/4/2024	1.4
12/4/2024	0.97 (J)
1/17/2025	3
Mean	2.512
Std. Dev.	2.262
Upper Lim.	5.252
Lower Lim.	0.7245

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 7/31/2025 2:35 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

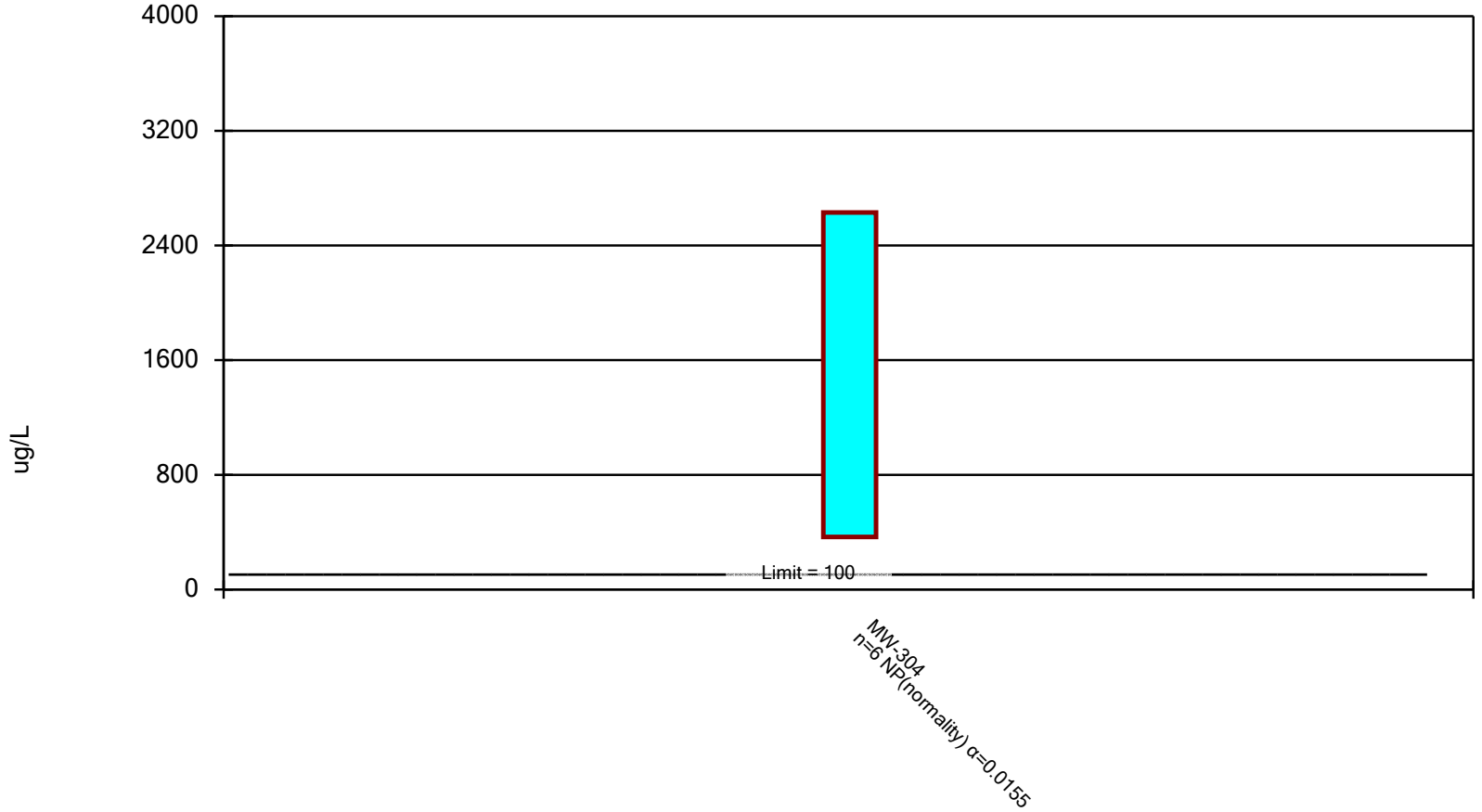
Constituent: Lithium (ug/L) Analysis Run 7/31/2025 2:37 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	82.8
8/28/2024	57.9
10/3/2024	72
11/4/2024	58.4
12/4/2024	64.7
1/17/2025	30.7
Mean	61.08
Std. Dev.	17.57
Upper Lim.	85.23
Lower Lim.	36.94

Non-Parametric Confidence Interval

Compliance limit is exceeded.



Constituent: Molybdenum Analysis Run 7/31/2025 2:35 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

Constituent: Molybdenum (ug/L) Analysis Run 7/31/2025 2:37 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	2630
8/28/2024	1950
10/3/2024	2060
11/4/2024	1970
12/4/2024	1890
1/17/2025	367
Mean	1811
Std. Dev.	757.5
Upper Lim.	2630
Lower Lim.	367

E3 April 2025 Statistical Analysis

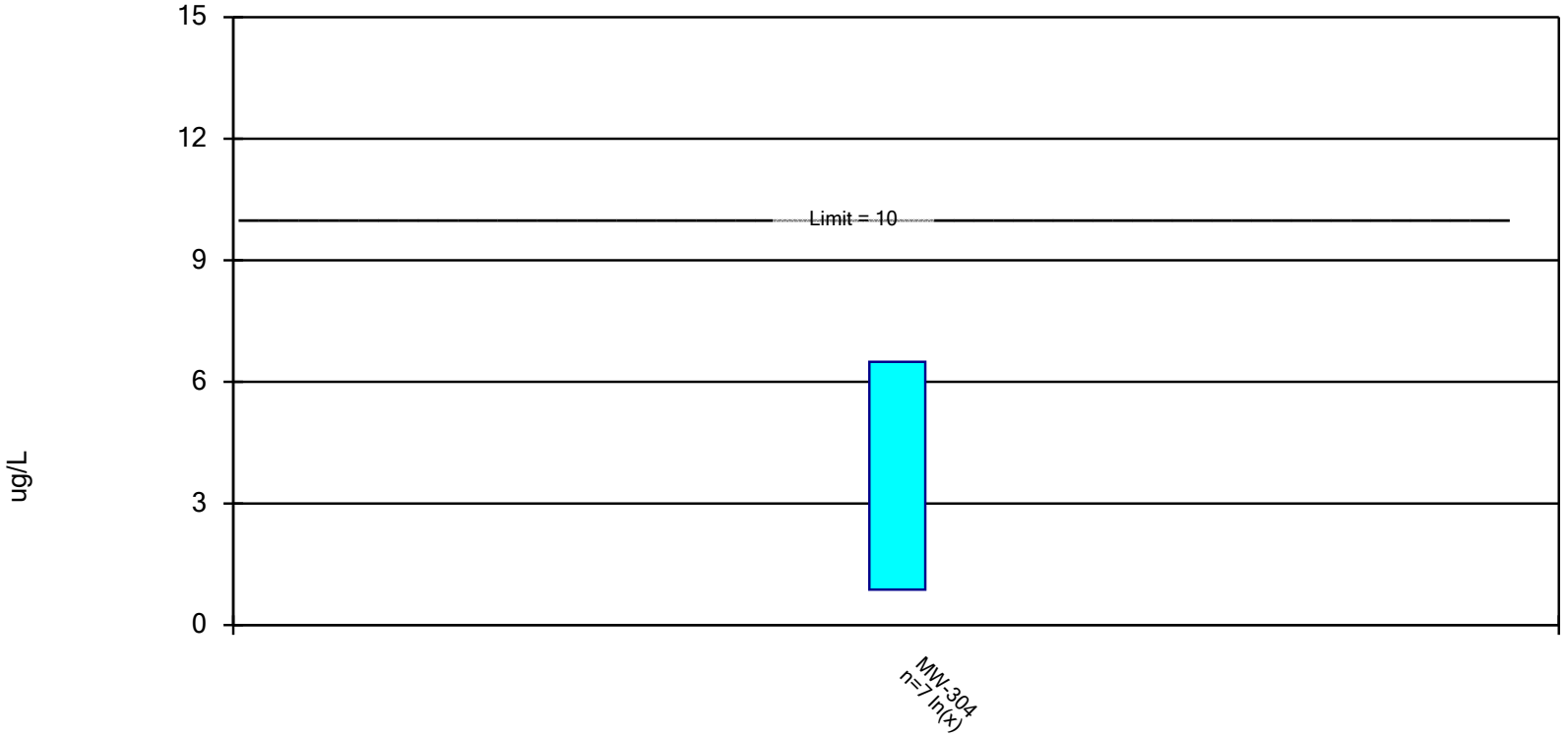
Confidence Interval

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed Printed 8/1/2025, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	Transform	Alpha	Method
Arsenic (ug/L)	MW-304	6.493	0.8739	10	No	7	0	ln(x)	0.01	Param.
Cobalt (ug/L)	MW-304	14.24	0.5515	6	No	7	0	ln(x)	0.01	Param.
Lithium (ug/L)	MW-304	101.6	37.12	40	No	7	0	No	0.01	Param.
Molybdenum (ug/L)	**MW-304**	**2630**	**367**	**100**	**Yes**	**7**	**0**	**No**	**0.008**	**NP (normality)**

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 8/1/2025 12:44 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

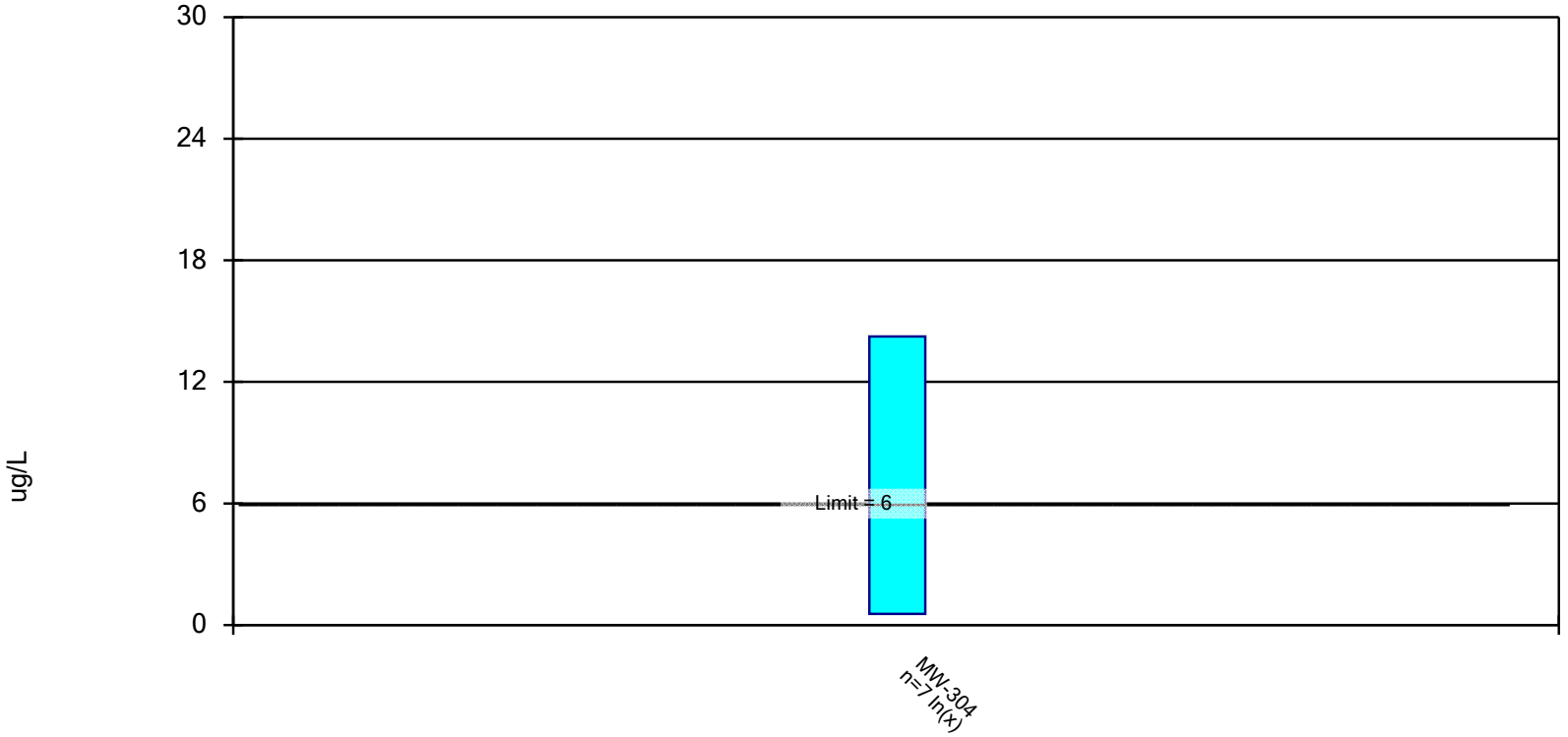
Constituent: Arsenic (ug/L) Analysis Run 8/1/2025 12:45 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	6.9
8/28/2024	1.4
10/3/2024	1.4
11/4/2024	1.4
12/4/2024	0.97 (J)
1/17/2025	3
4/22/2025	7.9
Mean	3.281
Std. Dev.	2.9
Upper Lim.	6.493
Lower Lim.	0.8739

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 8/1/2025 12:44 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

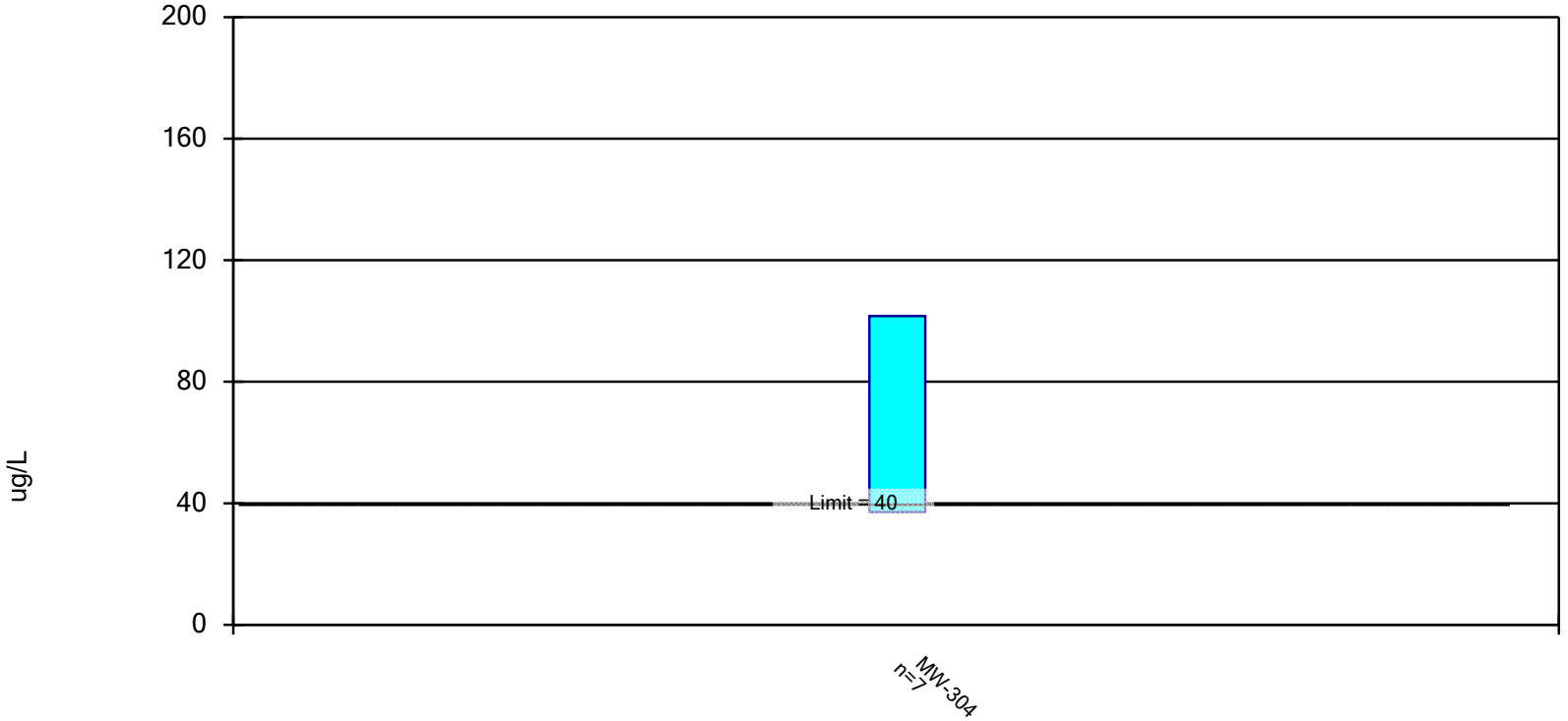
Constituent: Cobalt (ug/L) Analysis Run 8/1/2025 12:45 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	13.7
8/28/2024	0.72 (J)
10/3/2024	2.1
11/4/2024	0.67 (J)
12/4/2024	1
1/17/2025	6
4/22/2025	16.3
Mean	5.784
Std. Dev.	6.602
Upper Lim.	14.24
Lower Lim.	0.5515

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 8/1/2025 12:44 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

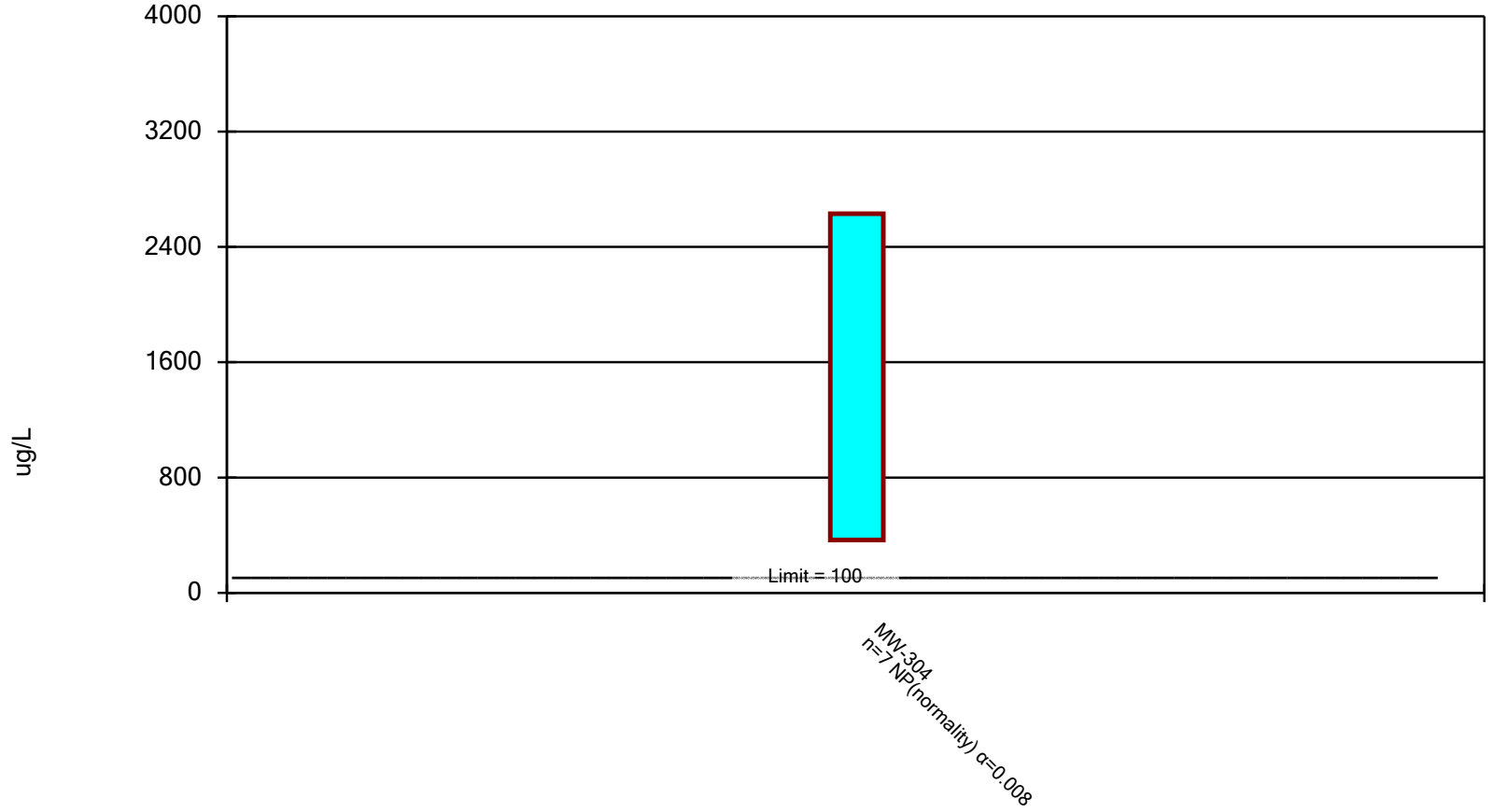
Constituent: Lithium (ug/L) Analysis Run 8/1/2025 12:45 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	82.8
8/28/2024	57.9
10/3/2024	72
11/4/2024	58.4
12/4/2024	64.7
1/17/2025	30.7
4/22/2025	119
Mean	69.36
Std. Dev.	27.14
Upper Lim.	101.6
Lower Lim.	37.12

Non-Parametric Confidence Interval

Compliance limit is exceeded.



Constituent: Molybdenum Analysis Run 8/1/2025 12:44 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

Confidence Interval

Constituent: Molybdenum (ug/L) Analysis Run 8/1/2025 12:45 PM

Edgewater Closed Generating Station Client: SCS Engineers Data: EdgewaterClosed

	MW-304
4/16/2024	2630
8/28/2024	1950
10/3/2024	2060
11/4/2024	1970
12/4/2024	1890
1/17/2025	367
4/22/2025	1840
Mean	1815
Std. Dev.	691.6
Upper Lim.	2630
Lower Lim.	367