



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

**FEDERAL CCR COMPLIANCE
ANNUAL GROUNDWATER MONITORING and
CORRECTIVE ACTION REPORT - 2025**

**Midwest Generation, LLC
Waukegan Station
401 E. Greenwood Avenue
Waukegan, Illinois**

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January 31, 2026

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OVERVIEW

Groundwater monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule dated April 17, 2015 (CCR Rule) and subsequent amendments, have been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Waukegan Generating Station. The wells sampled were selected to meet the monitoring requirements of the CCR Rule for the West and East Ash Ponds. The CCR monitoring well network around these ponds consists of eight monitoring wells (MW-01 through MW-04, MW-09, MW-11, MW-14 and MW-16). Wells MW-09, MW-11 and MW-14 are upgradient wells as shown on Figure 1.

This overview of the 2025 groundwater monitoring period is provided in accordance with requirements under Section 257.90(e)(6). Each required item is discussed separately below.

- Section 257.90(e)(6)(i) – At the start of the current monitoring period, the subject CCR unit was operating under the detection monitoring program outlined in Section 257.94.
- Section 257.90(e)(6)(ii) – At the end of the current monitoring period, the subject CCR unit was under assessment monitoring in accordance with Section 257.95 starting the 3rd quarter 2025 based on elevated pH concentrations in several downgradient monitoring wells that an updated Alternate Source Demonstration (ASD) could not rule out potential contribution from the regulated Unit(s).
- Section 257.90(e)(6)(iii) – The following statistically significant increases (SSIs) above established background for Appendix III detection monitoring constituents in downgradient wells were noted in during this monitoring period:
 - MW-01 – boron (2nd and 4th quarters) and pH (4th quarter)
 - MW-02 – boron (1st through 4th quarters), pH (1st, 2nd and 4th quarters)
 - MW-03 – boron and pH (1st through 4th quarters), sulfate (3rd quarter)
 - MW-04 – boron and pH (1st through 4th quarters)
 - MW-16 – boron and sulfate (1st through 4th quarters)

These constituent SSIs have been addressed previously under Alternate Source Demonstrations (ASDs) with determination being made that the SSIs are not associated with a release from the regulated units. However, an updated ASD regarding the elevated pH concentrations in the downgradient monitoring wells could not rule out potential contribution from the regulated Unit(s). A copy of the updated ASD for pH is provided in

Attachment 1. The shift to assessment monitoring under Section 257.95 was initiated on June 17, 2025.

- Section 257.90(e)(6)(iv) – Assessment monitoring to date has not identified any downgradient monitoring wells which have shown a detection of Appendix IV monitoring parameters above the established site-specific Groundwater Protection Standards (GWPSs).
- Section 257.90(e)(6)(v) – The subject units are not under corrective action.
- Section 257.90(e)(6)(vi) – The subject units are not under corrective action.

1.0 INTRODUCTION

The Detection Monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule dated April 17, 2015 (CCR Rule) have been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Waukegan Generating Station. The wells sampled were selected to meet the monitoring requirements of the CCR Rule for both the West and East Ash Ponds. The CCR monitoring well network around these ponds consists of eight monitoring wells (MW-01 through MW-04, MW-09, MW-11, MW-14 and MW-16). Wells MW-09, MW-11 and MW-14 are upgradient wells.

This annual report covers the work performed relative to CCR groundwater monitoring for the calendar year 2025. It does not duplicate information or activities previously reported. It is prepared in accordance with Section 257.90(e)(1-6) and summarizes the sampling procedures used, provides an evaluation of groundwater flow conditions, summarizes the analytical data generated, and summarizes conclusions and recommendations for the station going forward.

2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION

2.1 Field Procedures

As previously noted, the CCR groundwater monitoring network around the ash ponds at this facility consists of eight wells (MW-01, MW-02, MW-03, MW-04, MW-09, MW-11, MW-14 and MW-16) as shown on Figure 1. As part of sampling procedures, the integrity of all monitoring wells was inspected and water levels were obtained using an electronic water level meter (see summary of water level discussion below). All wells were found in good condition.

All groundwater samples were collected using the low-flow sampling technique from dedicated pumps. The samples were not filtered prior to analysis to provide for total metals concentrations as opposed to dissolved metals concentrations. One duplicate sample was collected from a randomly selected monitoring well per sampling event for quality assurance purposes.

2.2 Groundwater Flow Evaluation

Water level data measurements were obtained from monitoring wells during each round of groundwater sampling. A complete round of water levels was collected prior to initiating sampling, and the water level data are summarized in Table 1. It is noted that water levels were also concurrently measured at other monitoring well locations in the area that are not part of the CCR monitoring network. The full set of water levels were used to generate a groundwater flow map for each sampling event. These maps are provided in Attachment 2. A review of the maps indicates a consistent east to southeasterly groundwater flow direction beneath the ash ponds. In accordance with general groundwater sampling requirements under Section 257.93(c), Table 2 provides a summary of the flow direction and an estimated rate of groundwater flow for each sampling event. The flow rate was calculated using the following equation:

$$V_s = \frac{Kdh}{n_e dl}, \text{ where}$$

V_s is seepage velocity (distance/time)

K is hydraulic conductivity (distance/time)

dh/dl is hydraulic gradient (unitless)

n_e is effective porosity (unitless)

The average hydraulic conductivity of 1.79×10^{-3} ft/sec used in Table 2 was based on a re-evaluation of slug test data performed by Patrick Engineering as part of a hydrogeologic assessment dated February 2011. The estimated effective porosity of the sandy materials (0.35) was obtained from literature (Applied Hydrogeology, Fetter, 1980).

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS

3.1 Sampling Summary

The groundwater sampling summary from 2025 is provided in Table 3, in accordance with 257.90(e)(3). Analytical data packages are included in Attachment 3.

3.2 Data Summary

The analytical data from the detection monitoring groundwater sampling for Appendix III and IV parameters are provided in Tables 4 and 5, respectively. The tables include the sample dates and whether the specific well is considered upgradient or downgradient relative to groundwater flow and the regulated unit. Table 4 also includes calculated Prediction Limits (PLs) established in the initial CCR Groundwater Monitoring Statistical Evaluation Summary dated January 2018 for data comparison purposes. Table 5 includes the established site-specific GWPSs established in accordance with Section 257.95(h).

Based on a review of Table 4, the following downgradient monitoring well SSIs above established background for Appendix III detection monitoring constituents were noted during the 2025 monitoring period:

- o MW-01 – boron (2nd and 4th quarters) and pH (4th quarter)
- o MW-02 – boron (1st through 4th quarters), pH (1st, 2nd and 4th quarters)
- o MW-03 – boron and pH (1st through 4th quarters), sulfate (3rd quarter)
- o MW-04 – boron and pH (1st through 4th quarters)
- o MW-16 – boron and sulfate (1st through 4th quarters)

A review of Table 5 indicates that there were no Appendix IV detections above the established site-specific GWPSs in any downgradient wells since the start of assessment monitoring.

3.3 Current Status

Since there have been no detections of Appendix IV parameters above established site-specific GWPSs in downgradient monitoring wells, the station currently remains in assessment monitoring in accordance with Section 257.95.

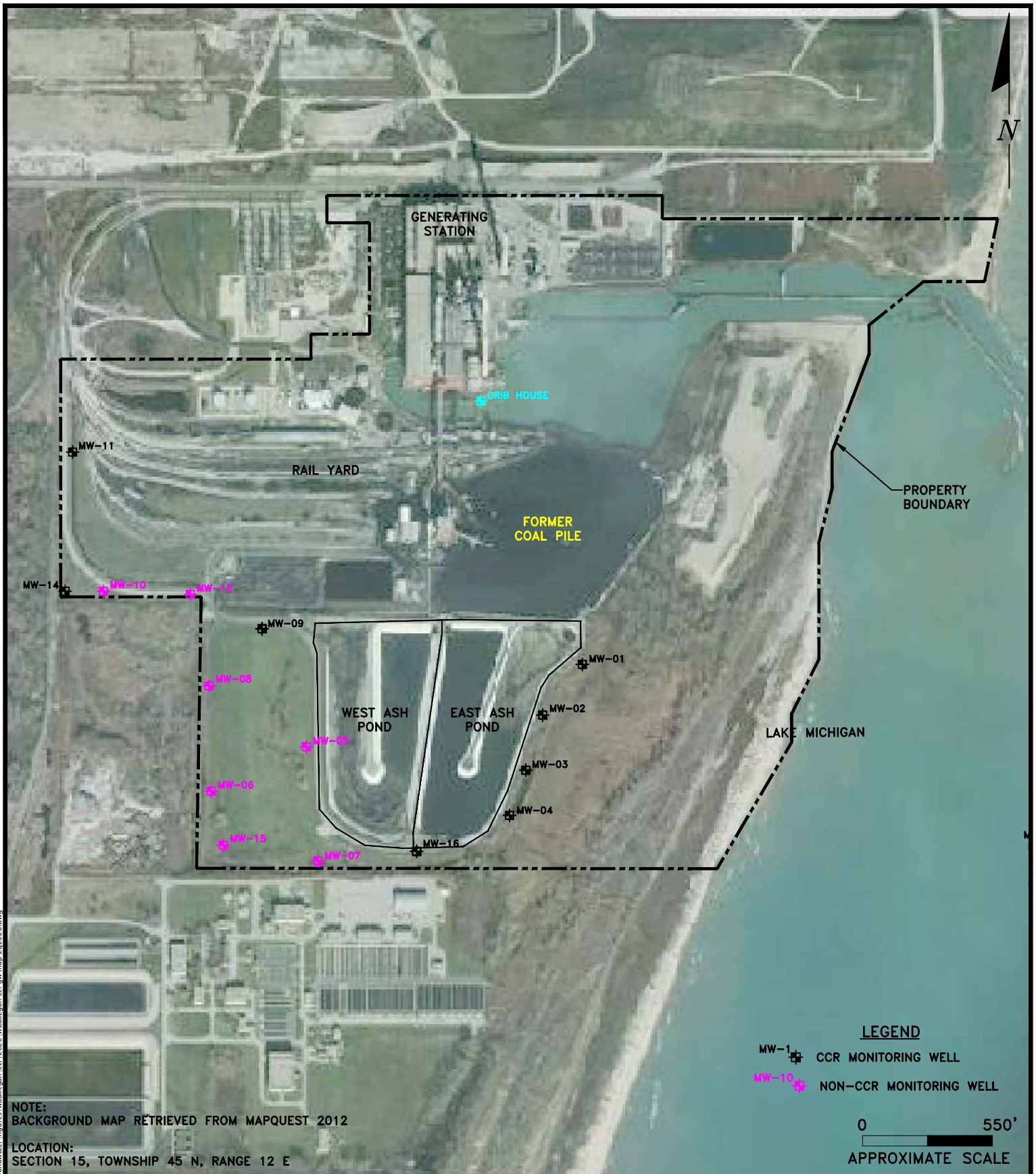
4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS

The detection/assessment monitoring requirements in accordance with the CCR Rule have been successfully met. At this time, it is recommended that the station stay in assessment monitoring in accordance with Section 257.95.

5.0 REFERENCES

- Federal Register, Environmental Protection Agency, 40 CFR Parts 257 and 261, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals From Electric Utilities; Final Rule. Vol. 80, No. 74, Friday April 17, 2015.
- Patrick Engineering, Inc., Hydrogeologic Assessment Report – Waukegan Generating Station, Waukegan, IL. February 2011.
- KPRG and Associates, Inc., CCR Compliance Monitoring, Sampling and Analysis Plan, Midwest Generation, LLC Waukegan Generating Station. October 10, 2017.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report - 2018, Midwest Generation, LLC Waukegan Generating Station. January 31, 2019.
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- KPRG and Associates, Inc., Alternate Source Demonstration Re-Evaluation CCR Groundwater Monitoring Waukegan Station. June 17, 2025.
- C.W. Fetter, Jr., Applied Hydrogeology. Charles E. Merrill Publishing Co., 1980.

FIGURE



ENVIRONMENTAL CONSULTATION & REMEDIATION

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CCR MONITORING WELL SITE MAP

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 550'

Date: January 26, 2026

KPRG Project No. 12313.2

FIGURE 1

TABLES

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-01	11/2/2015	603.12	20.75	582.37
	2/29/2016	603.12	20.71	582.41
	5/2/2016	603.12	20.89	582.23
	8/23/2016	603.12	22.01	581.11
	12/2/2016	603.62	22.27	581.35
	2/21/2017	603.62	22.42	581.20
	5/15/2017	603.62	20.52	583.10
	7/5/2017	603.62	21.81	581.81
	9/11/2017	603.62	21.47	582.15
	11/27/2017	603.62	21.82	581.80
	5/29/2018	603.62	19.43	584.19
	11/5/2018	603.62	20.45	583.17
	5/14/2019	603.62	19.81	583.81
	11/18/2019	603.62	19.89	583.73
	4/21/2020	603.62	20.81	582.81
	11/17/2020	603.62	21.51	582.11
	3/1/2021	603.62	21.19	582.43
	3/30/2021	603.62	21.34	582.28
	5/5/2021	603.62	21.76	581.86
	5/27/2021	603.62	21.78	581.84
	6/18/2021	603.62	21.90	581.72
	7/8/2021	603.62	21.75	581.87
	8/18/2021	603.62	21.82	581.80
	9/29/2021	603.62	22.22	581.40
	10/12/2021	603.62	21.65	581.97
	11/3/2021	603.62	21.45	582.17
	12/14/2021	603.62	21.52	582.10
	1/12/2022	603.62	21.73	581.89
	2/8/2022	603.62	22.00	581.62
	3/10/2022	603.62	21.67	581.95
	4/14/2022	603.62	22.27	581.35
	5/23/2022	603.62	21.25	582.37
	6/28/2022	603.62	21.80	581.82
	7/18/2022	603.62	22.00	581.62
	8/22/2022	603.62	21.78	581.84
	9/26/2022	603.62	21.75	581.87
	10/3/2022	603.62	21.95	581.67
	11/7/2022	603.62	22.17	581.45
	12/15/2022	603.62	21.90	581.72
	1/17/2023	603.62	21.60	582.02
	2/13/2023	603.62	21.76	581.86
	3/15/2023	603.62	21.40	582.22
	4/26/2023	603.62	21.35	582.27
	5/8/2023	603.62	21.46	582.16
	6/7/2023	603.62	21.90	581.72
	7/3/2023	603.62	21.80	581.82
	8/7/2023	603.62	22.22	581.40
	9/13/2023	603.62	22.45	581.17
	10/23/2023	603.62	22.05	581.57
	11/27/2023	603.62	22.28	581.34
	12/26/2023	603.62	22.10	581.52
	1/27/2024	603.62	21.70	581.92
	2/5/2024	603.62	21.53	582.09
	3/20/2024	603.62	21.70	581.92
	4/16/2024	603.62	21.40	582.22
	5/20/2024	603.62	21.55	582.07
	6/11/2024	603.62	21.45	582.17
	7/11/2024	603.62	21.60	582.02
	8/12/2024	603.62	21.53	582.09
	9/9/2024	603.62	22.40	581.22
	10/10/2024	603.62	21.50	582.12
	11/11/2024	603.62	22.74	580.88
	12/16/2024	603.62	22.85	580.77
	1/13/2025	603.62	23.20	580.42
	2/3/2025	603.62	23.34	580.28
	3/11/2025	603.62	23.20	580.42
	4/16/2025	603.62	22.70	580.92
	5/12/2025	603.62	22.92	580.70
	6/12/2025	603.62	23.00	580.62
	7/6/2025	603.62	23.10	580.52
	8/4/2025	603.62	23.00	580.62
	9/3/2025	603.62	23.30	580.32
	10/6/2025	603.62	23.10	580.52
	11/17/2025	603.62	23.14	580.48
	12/17/2025	603.62	23.10	580.52

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-02	11/2/2015	603.04	20.71	582.33
	2/29/2016	603.04	20.59	582.45
	5/2/2016	603.04	20.82	582.22
	8/23/2016	603.04	22.04	581.00
	12/2/2016	603.39	22.13	581.26
	2/21/2017	603.39	22.24	581.15
	5/15/2017	603.39	20.25	583.14
	7/5/2017	603.39	21.59	581.80
	9/11/2017	603.39	21.21	582.18
	11/27/2017	603.39	21.63	581.76
	5/29/2018	603.39	19.12	584.27
	11/5/2018	603.39	20.19	583.20
	5/14/2019	603.39	19.55	583.84
	11/18/2019	603.39	19.60	583.79
	4/21/2020	603.39	20.57	582.82
	11/17/2020	603.39	21.32	582.07
	3/1/2021	603.39	21.04	582.35
	3/30/2021	603.39	21.13	582.26
	5/5/2021	603.39	21.56	581.83
	5/27/2021	603.39	21.60	581.79
	6/18/2021	603.39	21.65	581.74
	7/8/2021	603.39	21.48	581.91
	8/18/2021	603.39	21.56	581.83
	9/29/2021	603.39	22.00	581.39
	10/12/2021	603.39	21.50	581.89
	11/3/2021	603.39	21.26	582.13
	12/14/2021	603.39	21.40	581.99
	1/12/2022	603.39	21.65	581.74
	2/8/2022	603.39	21.90	581.49
	3/10/2022	603.39	21.55	581.84
	4/14/2022	603.39	22.10	581.29
	5/23/2022	603.39	21.11	582.28
	6/28/2022	603.39	21.60	581.79
	7/18/2022	603.39	21.80	581.59
	8/22/2022	603.39	21.65	581.74
	9/26/2022	603.39	21.50	581.89
	10/3/2022	603.39	21.75	581.64
	11/7/2022	603.39	22.22	581.17
	12/15/2022	603.39	21.75	581.64
	1/17/2023	603.39	21.75	581.64
	2/13/2023	603.39	21.69	581.70
	3/15/2023	603.39	21.25	582.14
	4/26/2023	603.39	21.15	582.24
	5/8/2023	603.39	21.35	582.04
	6/7/2023	603.39	21.75	581.64
	7/3/2023	603.39	21.60	581.79
	8/7/2023	603.39	22.08	581.31
	9/13/2023	603.39	22.30	581.09
	10/23/2023	603.39	22.00	581.39
	11/27/2023	603.39	22.14	581.25
	12/26/2023	603.39	22.05	581.34
	1/27/2024	603.39	21.65	581.74
	2/5/2024	603.39	21.42	581.97
	3/20/2024	603.39	21.55	581.84
	4/16/2024	603.39	21.30	582.09
	5/20/2024	603.39	21.40	581.99
	6/11/2024	603.39	21.25	582.14
	7/11/2024	603.39	21.60	581.79
	8/12/2024	603.39	21.33	582.06
	9/9/2024	603.39	22.20	581.19
	10/10/2024	603.39	21.40	581.99
	11/11/2024	603.39	22.60	580.79
	12/16/2024	603.39	22.75	580.64
	1/13/2025	603.39	23.10	580.29
	2/3/2025	603.39	23.22	580.17
	3/11/2025	603.39	23.10	580.29
	4/16/2025	603.39	22.70	580.69
	5/12/2025	603.39	22.72	580.67
	6/12/2025	603.39	22.80	580.59
	7/6/2025	603.39	22.90	580.49
	8/4/2025	603.39	22.82	580.57
	9/3/2025	603.39	23.00	580.39
	10/6/2025	603.39	23.00	580.39
	11/17/2025	603.39	22.96	580.43
	12/17/2025	603.39	23.00	580.39

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-03	11/2/2015	602.91	20.37	582.54
	2/29/2016	602.91	20.43	582.48
	5/2/2016	602.91	20.66	582.25
	8/23/2016	602.91	22.12	580.79
	12/2/2016	603.70	22.52	581.18
	2/21/2017	603.70	22.64	581.06
	5/15/2017	603.70	20.55	583.15
	7/5/2017	603.70	21.92	581.78
	9/11/2017	603.70	21.55	582.15
	11/28/2017	603.70	21.96	581.74
	5/29/2018	603.70	19.40	584.30
	11/5/2018	603.70	20.48	583.22
	5/14/2019	603.70	19.80	583.90
	11/18/2019	603.70	20.05	583.65
	4/21/2020	603.70	20.82	582.88
	11/17/2020	603.70	21.60	582.10
	3/1/2021	603.70	21.30	582.40
	3/30/2021	603.70	21.40	582.30
	5/5/2021	603.70	21.83	581.87
	5/27/2021	603.70	21.85	581.85
	6/18/2021	603.70	21.91	581.79
	7/8/2021	603.70	21.71	581.99
	8/18/2021	603.70	21.80	581.90
	9/29/2021	603.70	22.30	581.40
	10/12/2021	603.70	21.70	582.00
	11/3/2021	603.70	21.53	582.17
	12/14/2021	603.70	21.60	582.10
	1/12/2022	603.70	21.97	581.73
	2/8/2022	603.70	22.29	581.41
	3/10/2022	603.70	21.50	582.20
	4/14/2022	603.70	22.30	581.40
	5/23/2022	603.70	21.18	582.52
	6/28/2022	603.70	21.85	581.85
	7/18/2022	603.70	22.10	581.60
	8/22/2022	603.70	21.76	581.94
	9/26/2022	603.70	21.70	582.00
	10/3/2022	603.70	22.00	581.70
	11/7/2022	603.70	22.22	581.48
	12/15/2022	603.70	22.20	581.50
	1/17/2023	603.70	22.10	581.60
	2/13/2023	603.70	22.00	581.70
	3/15/2023	603.70	21.50	582.20
	4/26/2023	603.70	21.40	582.30
	5/8/2023	603.70	25.12	578.58
	6/7/2023	603.70	22.00	581.70
	7/3/2023	603.70	21.87	581.83
	8/7/2023	603.70	22.43	581.27
	9/13/2023	603.70	22.75	580.95
	10/23/2023	603.70	22.30	581.40
	11/27/2023	603.70	22.60	581.10
	12/26/2023	603.70	22.50	581.20
	1/27/2024	603.70	21.85	581.85
	2/5/2024	603.70	21.67	582.03
	3/20/2024	603.70	21.75	581.95
	4/16/2024	603.70	21.40	582.30
	5/20/2024	603.70	21.63	582.07
	6/11/2024	603.70	21.50	582.20
	7/11/2024	603.70	21.80	581.90
	8/12/2024	603.70	21.55	582.15
	9/9/2024	603.70	22.50	581.20
	10/10/2024	603.70	21.80	581.90
	11/11/2024	603.70	23.05	580.65
	12/16/2024	603.70	23.20	580.50
	1/13/2025	603.70	23.55	580.15
	2/3/2025	603.70	23.68	580.02
	3/11/2025	603.70	23.55	580.15
	4/16/2025	603.70	23.10	580.60
	5/12/2025	603.70	23.13	580.57
	6/12/2025	603.70	23.10	580.60
	7/6/2025	603.70	23.10	580.60
	8/4/2025	603.70	23.14	580.56
	9/3/2025	603.70	23.10	580.60
	10/6/2025	603.70	23.30	580.40
	11/17/2025	603.70	23.35	580.35
	12/17/2025	603.70	23.30	580.40

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-04	11/2/2015	603.19	20.83	582.36
	2/29/2016	603.19	20.70	582.49
	5/2/2016	603.19	20.94	582.25
	8/23/2016	603.19	22.69	580.50
	12/2/2016	603.17	22.18	580.99
	2/21/2017	603.17	22.36	580.81
	5/15/2017	603.17	20.04	583.13
	7/5/2017	603.17	21.46	581.71
	9/11/2017	603.17	21.05	582.12
	11/28/2017	603.17	21.54	581.63
	5/30/2018	603.17	18.88	584.29
	11/6/2018	603.17	19.96	583.21
	5/14/2019	603.17	19.35	583.82
	11/18/2019	603.17	19.36	583.81
	4/21/2020	603.17	20.40	582.77
	11/18/2020	603.17	21.23	581.94
	3/1/2021	603.17	20.95	582.22
	3/30/2021	603.17	21.02	582.15
	5/5/2021	603.17	21.52	581.65
	5/27/2021	603.17	21.55	581.62
	6/18/2021	603.17	21.62	581.55
	7/8/2021	603.17	21.45	581.72
	8/18/2021	603.17	21.49	581.68
	9/29/2021	603.17	22.08	581.09
	10/12/2021	603.17	21.35	581.82
	11/3/2021	603.17	21.15	582.02
	12/14/2021	603.17	21.40	581.77
	1/12/2022	603.17	21.72	581.45
	2/8/2022	603.17	22.17	581.00
	3/10/2022	603.17	21.73	581.44
	4/14/2022	603.17	22.08	581.09
	5/23/2022	603.17	20.92	582.25
	6/28/2022	603.17	21.55	581.62
	7/18/2022	603.17	21.80	581.37
	8/22/2022	603.17	21.55	581.62
	9/26/2022	603.17	21.40	581.77
	10/3/2022	603.17	21.70	581.47
	11/7/2022	603.17	22.13	581.04
	12/15/2022	603.17	22.05	581.12
	1/17/2023	603.17	21.90	581.27
	2/13/2023	603.17	21.76	581.41
	3/15/2023	603.17	21.50	581.67
	4/26/2023	603.17	21.00	582.17
	5/8/2023	603.17	21.11	582.06
	6/7/2023	603.17	21.65	581.52
	7/3/2023	603.17	21.55	581.62
	8/7/2023	603.17	22.20	580.97
	9/13/2023	603.17	22.75	580.42
	10/23/2023	603.17	22.10	581.07
	11/27/2023	603.17	22.49	580.68
	12/26/2023	603.17	22.40	580.77
	1/27/2024	603.17	21.55	581.62
	2/5/2024	603.17	21.25	581.92
	3/20/2024	603.17	21.40	581.77
	4/16/2024	603.17	21.10	582.07
	5/20/2024	603.17	21.21	581.96
	6/11/2024	603.17	21.05	582.12
	7/11/2024	603.17	21.50	581.67
	8/12/2024	603.17	21.12	582.05
	9/9/2024	603.17	22.25	580.92
	10/10/2024	603.17	21.80	581.37
	11/11/2024	603.17	23.00	580.17
	12/16/2024	603.17	23.25	579.92
	1/13/2025	603.17	23.55	579.62
	2/3/2025	603.17	23.65	579.52
	3/11/2025	603.17	23.50	579.67
	4/16/2025	603.17	23.00	580.17
	5/12/2025	603.17	22.96	580.21
	6/12/2025	603.17	22.90	580.27
	7/6/2025	603.17	22.80	580.37
	8/4/2025	603.17	22.95	580.22
	9/3/2025	603.17	23.00	580.17
	10/6/2025	603.17	23.00	580.17
	11/17/2025	603.17	23.20	579.97
	12/17/2025	603.17	23.10	580.07

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-09	11/2/2015	594.00	9.78	584.22
	2/29/2016	594.00	9.89	584.11
	5/2/2016	594.00	9.59	584.41
	8/23/2016	594.00	10.58	583.42
	12/2/2016	594.00	10.27	583.73
	2/21/2017	594.00	10.21	583.79
	5/15/2017	594.00	9.57	584.43
	7/6/2017	594.00	9.81	584.19
	9/11/2017	594.00	10.25	583.75
	11/29/2017	594.00	9.98	584.02
	5/31/2018	594.00	9.38	584.62
	11/6/2018	594.00	9.52	584.48
	5/14/2019	594.00	9.50	584.50
	11/18/2019	594.00	9.62	584.38
	4/21/2020	594.00	9.84	584.16
	11/18/2020	594.00	10.83	583.17
	3/1/2021	594.00	9.90	584.10
	3/30/2021	594.00	10.46	583.54
	5/5/2021	594.00	10.80	583.20
	5/27/2021	594.00	10.92	583.08
	6/18/2021	594.00	11.25	582.75
	7/8/2021	594.00	10.82	583.18
	8/18/2021	594.00	10.99	583.01
	9/29/2021	594.00	11.82	582.18
	10/12/2021	594.00	10.94	583.06
	11/3/2021	594.00	10.53	583.47
	12/14/2021	594.00	10.60	583.40
	1/12/2022	594.00	10.70	583.30
	2/8/2022	594.00	10.95	583.05
	3/10/2022	594.00	10.62	583.38
	4/14/2022	594.00	11.82	582.18
	5/23/2022	594.00	10.41	583.59
	6/28/2022	594.00	10.80	583.20
	7/18/2022	594.00	10.80	583.20
	8/22/2022	594.00	10.76	583.24
	9/26/2022	594.00	10.60	583.40
	10/3/2022	594.00	9.70	584.30
	11/7/2022	594.00	10.71	583.29
	12/15/2022	594.00	10.30	583.70
	1/17/2023	594.00	10.35	583.65
	2/13/2023	594.00	10.06	583.94
	3/15/2023	594.00	9.70	584.30
	4/26/2023	594.00	10.40	583.60
	5/8/2023	594.00	10.55	583.45
	6/7/2023	594.00	10.90	583.10
	7/3/2023	594.00	10.70	583.30
	8/7/2023	594.00	10.91	583.09
	9/13/2023	594.00	11.00	583.00
	10/23/2023	594.00	10.65	583.35
	11/27/2023	594.00	11.02	582.98
	12/26/2023	594.00	10.80	583.20
	1/27/2024	594.00	9.70	584.30
	2/5/2024	594.00	10.26	583.74
	3/20/2024	594.00	10.65	583.35
	4/16/2024	594.00	10.50	583.50
	5/20/2024	594.00	10.60	583.40
	6/11/2024	594.00	10.35	583.65
	7/11/2024	594.00	10.00	584.00
	8/12/2024	594.00	10.44	583.56
	9/9/2024	594.00	10.90	583.10
	10/10/2024	594.00	10.90	583.10
	11/11/2024	594.00	11.09	582.91
	12/16/2024	594.00	11.00	583.00
	1/13/2025	594.00	11.15	582.85
	2/3/2025	594.00	11.51	582.49
	3/11/2025	594.00	11.15	582.85
	4/16/2025	594.00	10.70	583.30
	5/12/2025	594.00	10.91	583.09
	6/12/2025	594.00	11.10	582.90
	7/6/2025	594.00	11.30	582.70
	8/4/2025	594.00	11.04	582.96
	9/3/2025	594.00	11.50	582.50
	10/6/2025	594.00	11.10	582.90
	11/17/2025	594.00	11.23	582.77
	12/17/2025	594.00	11.20	582.80

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-11	11/2/2015	590.35	5.27	585.08
	2/29/2016	590.35	5.54	584.81
	5/2/2016	590.35	5.17	585.18
	8/23/2016	590.35	6.04	584.31
	12/2/2016	590.35	5.86	584.49
	2/21/2017	590.35	5.87	584.48
	5/15/2017	590.35	5.33	585.02
	7/6/2017	590.35	5.62	584.73
	9/11/2017	590.35	5.61	584.74
	11/30/2017	590.35	5.68	584.67
	5/31/2018	590.35	5.41	584.94
	11/6/2018	590.35	5.29	585.06
	5/14/2019	590.35	5.55	584.80
	11/18/2019	590.35	5.80	584.55
	4/21/2020	590.35	5.85	584.50
	11/19/2020	590.35	6.66	583.69
	3/1/2021	590.35	5.46	584.89
	3/30/2021	590.35	6.54	583.81
	5/5/2021	590.35	6.81	583.54
	5/27/2021	590.35	6.76	583.59
	6/18/2021	590.35	6.75	583.60
	7/8/2021	590.35	6.72	583.63
	8/18/2021	590.35	6.90	583.45
	9/29/2021	590.35	7.40	582.95
	10/12/2021	590.35	6.77	583.58
	11/3/2021	590.35	6.61	583.74
	12/14/2021	590.35	6.61	583.74
	1/12/2022	590.35	6.68	583.67
	2/8/2022	590.35	6.85	583.50
	3/10/2022	590.35	6.30	584.05
	4/14/2022	590.35	7.40	582.95
	5/23/2022	590.35	6.40	583.95
	6/28/2022	590.35	6.65	583.70
	7/18/2022	590.35	6.60	583.75
	8/22/2022	590.35	6.35	584.00
	9/26/2022	590.35	5.50	584.85
	10/3/2022	590.35	6.40	583.95
	11/7/2022	590.35	6.36	583.99
	12/15/2022	590.35	5.90	584.45
	1/17/2023	590.35	6.40	583.95
	2/13/2023	590.35	6.16	584.19
	3/15/2023	590.35	5.60	584.75
	4/26/2023	590.35	6.30	584.05
	5/8/2023	590.35	6.34	584.01
	6/7/2023	590.35	6.55	583.80
	7/3/2023	590.35	6.30	584.05
	8/7/2023	590.35	6.60	583.75
	9/13/2023	590.35	6.60	583.75
	10/23/2023	590.35	6.25	584.10
	11/27/2023	590.35	6.33	584.02
	12/26/2023	590.35	6.25	584.10
	1/27/2024	590.35	5.80	584.55
	2/5/2024	590.35	6.11	584.24
	3/20/2024	590.35	6.30	584.05
	4/16/2024	590.35	6.10	584.25
	5/20/2024	590.35	6.27	584.08
	6/11/2024	590.35	6.05	584.30
	7/11/2024	590.35	6.30	584.05
	8/12/2024	590.35	6.06	584.29
	9/9/2024	590.35	6.40	583.95
	10/10/2024	590.35	6.70	583.65
	11/11/2024	590.35	6.42	583.93
	12/16/2024	590.35	6.15	584.20
	1/13/2025	590.35	6.50	583.85
	2/3/2025	590.35	6.61	583.74
	3/11/2025	590.35	6.45	583.90
	4/16/2025	590.35	6.50	583.85
	5/12/2025	590.35	6.45	583.90
	6/12/2025	590.35	6.60	583.75
	7/6/2025	590.35	6.70	583.65
	8/4/2025	590.35	6.41	583.94
	9/3/2025	590.35	6.70	583.65
	10/6/2025	590.35	6.50	583.85
	11/17/2025	590.35	6.53	583.82
	12/17/2025	590.35	6.50	583.85

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-14	11/2/2015	590.24	5.17	585.07
	2/29/2016	590.24	5.01	585.23
	5/2/2016	590.24	4.49	585.75
	8/23/2016	590.24	6.07	584.17
	12/2/2016	590.24	5.49	584.75
	2/21/2017	590.24	5.33	584.91
	5/15/2017	590.24	4.67	585.57
	7/6/2017	590.24	5.27	584.97
	9/11/2017	590.24	5.78	584.46
	11/30/2017	590.24	5.19	585.05
	6/1/2018	590.24	4.45	585.79
	11/6/2018	590.24	4.32	585.92
	5/14/2019	590.24	4.20	586.04
	11/18/2019	590.24	4.75	585.49
	4/21/2020	590.24	5.00	585.24
	11/19/2020	590.24	5.98	584.26
	3/1/2021	590.24	4.55	585.69
	3/30/2021	590.24	5.60	584.64
	5/5/2021	590.24	6.20	584.04
	5/27/2021	590.24	6.32	583.92
	6/18/2021	590.24	6.60	583.64
	7/8/2021	590.24	6.15	584.09
	8/18/2021	590.24	6.45	583.79
	9/29/2021	590.24	7.14	583.10
	10/12/2021	590.24	6.72	583.52
	11/3/2021	590.24	5.66	584.58
	12/14/2021	590.24	5.74	584.50
	1/12/2022	590.24	5.80	584.44
	2/8/2022	590.24	6.40	583.84
	3/10/2022	590.24	7.00	583.24
	4/14/2022	590.24	7.14	583.10
	5/23/2022	590.24	5.21	585.03
	6/28/2022	590.24	5.60	584.64
	7/18/2022	590.24	6.20	584.04
	8/22/2022	590.24	5.73	584.51
	9/26/2022	590.24	5.70	584.54
	10/3/2022	590.24	5.75	584.49
	11/7/2022	590.24	5.82	584.42
	12/15/2022	590.24	5.10	585.14
	1/17/2023	590.24	5.50	584.74
	2/13/2023	590.24	5.16	585.08
	3/15/2023	590.24	4.70	585.54
	4/26/2023	590.24	5.30	584.94
	5/8/2023	590.24	5.45	584.79
	6/7/2023	590.24	27.00	563.24
	7/3/2023	590.24	5.80	584.44
	8/7/2023	590.24	6.13	584.11
	9/13/2023	590.24	6.20	584.04
	10/23/2023	590.24	5.60	584.64
	11/27/2023	590.24	5.78	584.46
	12/26/2023	590.24	5.50	584.74
	1/27/2024	590.24	4.80	585.44
	2/5/2024	590.24	5.01	585.23
	3/20/2024	590.24	5.40	584.84
	4/16/2024	590.24	5.10	585.14
	5/20/2024	590.24	5.33	584.91
	6/11/2024	590.24	5.00	585.24
	7/11/2024	590.24	5.30	584.94
	8/12/2024	590.24	5.39	584.85
	9/9/2024	590.24	6.15	584.09
	10/10/2024	590.24	5.80	584.44
	11/11/2024	590.24	6.06	584.18
	12/16/2024	590.24	5.95	584.29
	1/13/2025	590.24	6.10	584.14
	2/3/2025	590.24	6.12	584.12
	3/11/2025	590.24	5.75	584.49
	4/16/2025	590.24	5.50	584.74
	5/12/2025	590.24	5.47	584.77
	6/12/2025	590.24	4.00	586.24
	7/6/2025	590.24	4.10	586.14
	8/4/2025	590.24	6.02	584.22
	9/3/2025	590.24	5.40	584.84
	10/6/2025	590.24	6.10	584.14
	11/17/2025	590.24	6.14	584.10
	12/17/2025	590.24	6.10	584.14

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-16	11/2/2015	607.41	25.13	582.28
	2/29/2016	607.41	24.91	582.50
	5/2/2016	607.41	25.23	582.18
	8/23/2016	607.41	28.33	579.08
	12/2/2016	607.41	28.22	579.19
	2/21/2017	607.41	27.71	579.70
	5/15/2017	607.41	23.99	583.42
	7/6/2017	607.41	27.03	580.38
	9/11/2017	607.41	26.74	580.67
	11/27/2017	607.41	27.49	579.92
	6/1/2018	607.41	23.22	584.19
	11/6/2018	607.41	23.65	583.76
	5/14/2019	607.41	23.40	584.01
	11/18/2019	607.41	23.60	583.81
	4/21/2020	607.41	25.26	582.15
	11/17/2020	607.41	27.50	579.91
	3/1/2021	607.41	27.25	580.16
	3/30/2021	607.41	26.96	580.45
	5/5/2021	607.41	27.50	579.91
	5/27/2021	607.41	27.35	580.06
	6/18/2021	607.41	27.12	580.29
	7/8/2021	607.41	26.41	581.00
	8/18/2021	607.41	26.92	580.49
	9/29/2021	607.41	27.45	579.96
	10/12/2021	607.41	26.99	580.42
	11/3/2021	607.41	27.04	580.37
	12/14/2021	607.41	27.60	579.81
	1/12/2022	607.41	22.80	584.61
	2/8/2022	607.41	28.22	579.19
	3/10/2022	607.41	27.85	579.56
	4/14/2022	607.41	27.40	580.01
	5/23/2022	607.41	25.85	581.56
	6/28/2022	607.41	27.20	580.21
	7/18/2022	607.41	27.30	580.11
	8/22/2022	607.41	27.28	580.13
	9/26/2022	607.41	21.40	580.13
	10/3/2022	607.41	27.40	580.01
	11/7/2022	607.41	28.09	579.32
	12/15/2022	607.41	28.00	579.41
	1/17/2023	607.41	27.80	579.61
	2/13/2023	607.41	27.67	579.74
	3/15/2023	607.41	25.20	582.21
	4/26/2023	607.41	25.40	582.01
	5/8/2023	607.41	25.64	581.77
	6/7/2023	607.41	27.00	580.41
	7/3/2023	607.41	26.65	580.76
	8/7/2023	607.41	27.88	579.53
	9/13/2023	607.41	28.40	579.01
	10/23/2023	607.41	28.00	579.41
	11/27/2023	607.41	28.40	579.01
	12/26/2023	607.41	28.25	579.16
	1/27/2024	607.41	26.05	581.36
	2/5/2024	607.41	25.83	581.58
	3/20/2024	607.41	26.60	580.81
	4/16/2024	607.41	25.50	581.91
	5/20/2024	607.41	25.70	581.71
	6/11/2024	607.41	25.40	582.01
	7/11/2024	607.41	26.20	581.21
	8/12/2024	607.41	25.62	581.79
	9/9/2024	607.41	27.60	579.81
	10/10/2024	607.41	26.60	580.81
	11/11/2024	607.41	28.72	578.69
	12/16/2024	607.41	28.85	578.56
	1/13/2025	607.41	29.00	578.41
	2/3/2025	607.41	29.17	578.24
	3/11/2025	607.41	29.10	578.31
	4/16/2025	607.41	28.50	578.91
	5/12/2025	607.41	27.76	579.65
	6/12/2025	607.41	27.60	579.81
	7/6/2025	607.41	27.80	579.61
	8/4/2025	607.41	27.65	579.76
	9/3/2025	607.41	28.00	579.41
	10/6/2025	607.41	28.00	579.41
	11/17/2025	607.41	28.36	579.05
	12/17/2025	607.41	28.10	579.31

MSL - Mean Sea Level
TOC - Top of Casing

Table 2. Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate - Waukegan Generation Station.

DATE	Groundwater Flow Direction	Kavg (ft/sec)*	Average Hydraulic Gradient (ft/ft)	Porosity (unitless)**	Estimated Seepage Velocity (ft/day)
5/20/2024	East-Southeast	1.790E-03	0.0014	0.35	0.63
8/12/2024	East-Southeast	1.790E-03	0.0017	0.35	0.75
11/11/2024	East-Southeast	1.790E-03	0.0029	0.35	1.27
2/3/2025	East-Southeast	1.790E-03	0.0024	0.35	1.07
5/12/2025	East-Southeast	1.790E-03	0.0027	0.35	1.18
8/4/2025	East-Southeast	1.790E-03	0.0016	0.35	0.72
11/17/2025	East-Southeast	1.790E-03	0.0029	0.35	1.29

* Kavg - K values from re-evaluation of slug test data as part of groundwater modeling in support of Application for Construction Permit per Illinois State CCR Rule.

** - Porosity estimate from Applied Hydrogeology, Fetter, 1980.

Table 3. CCR Groundwater Sample Collection Summary for 2025 - Waukegan Generating Station

Well ID	Number of Groundwater Sampling Events	Dates of Groundwater Sampling Events	Detection Monitoring (D) versus Assessment Monitoring (A)
MW-09 (Background)	4	2/4/2025	D
		8/5/2025	D
		8/5/2025	A
		11/18/2025	A
MW-11 (Background)	4	2/4/2025	D
		5/14/2025	D
		8/5/2025	A
		11/18/2025	A
MW-14 (Background)	4	2/4/2025	D
		5/14/2025	D
		8/5/2025	A
		11/18/2025	A
MW-01 (Downgradient)	4	2/3/2025	D
		5/12/2025	D
		8/4/2025	A
		11/17/2025	A
MW-02 (Downgradient)	4	2/3/2025	D
		5/12/2025	D
		8/4/2025	A
		11/17/2025	A
MW-03 (Downgradient)	4	2/3/2025	D
		5/12/2025	D
		8/4/2025	A
		11/17/2025	A
MW-04 (Downgradient)	4	2/5/2025	D
		5/12/2025	D
		8/4/2025	A
		11/17/2025	A
MW-16 (Downgradient)	4	2/3/2025	D
		5/13/2025	D
		8/5/2025	A
		11/19/2025	A

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-09 upgradient	11/4/2015	13	210	450	0.14	6.60	370	1700
	3/2/2016	35	380	720	0.11	7.02	970	2800
	5/3/2016	16	310	620	0.12	7.02	740	2500
	8/25/2016	4.5	130	270	0.21	7.13	190	1100
	12/8/2016	15	200	330	0.18	7.01	270	1300
	2/23/2017	14	190	290	0.12	7.68	320	1300
	5/16/2017	27	160	67	0.29	8.15	420	970
	7/6/2017	21	220	430	0.13	7.18	610	1800
	Pred. Limit*	43.9	449	963	0.33	8.53-5.92	1214	3499
	9/13/2017	21	250	420	0.14	7.17	520	1800
	11/29/2017	26	200	390	0.13	7.05	390	1600
	5/31/2018	32	200	29	0.1	6.85	490	1000
	11/6/2018	30	170	23	0.11	7.33	290	930
	5/15/2019	26	120	260	0.13	7.53	31	1000
	11/19/2019	22	160	17	0.16	8.04	300	750
	4/22/2020	22	140	9.2	0.18	7.81	360	700
	11/18/2020	28	250	290	0.18	7.43	420	1700
	5/6/2021	31	170	35	0.12	7.51	420	910
	8/19/2021	7.2	150	170	0.13	7.01	210	350
	11/4/2021	10	150	160	0.24	7.07	180	980
	2/10/2022	9.5	190	220	0.17	7.11	270	1300
	5/24/2022	5.3	150	180	0.23	7.15	200	940
	8/23/2022	12	170	170	0.22	7.14	290	1100
	11/7/2022	6.4	160	200	0.51	6.98	220	1100
	12/21/2022 R	NS	NS	NS	0.40	NS	NS	NS
	2/13/2023	B 28	280	220	0.12	6.97	490	1500
	5/9/2023	4.7	140	220	0.23	7.08	200	890
	8/8/2023	^+ 20	270	380	0.23	6.98	510	1800
	11/28/2023	2.6	96	170	0.33	7.15	130	750
	2/6/2024	24	240	150	0.18	6.88	460	1300
	5/20/2024	2.3	110	91	0.20	7.12	210	650
	8/13/2024	8.5	130	91	0.34	7.08	200	860
	11/12/2024	2.8	130	170	0.32	7.12	130	870
	2/4/2025	2.9	130	160	0.27	7.16	180	890
	5/13/2025	2.3	130	150	0.29	7.04	140	700
	8/5/2025	8.0	150	230	0.40	6.98	240	1100
	11/18/2025	2.8	110	150	0.24	7.12	70	680
MW-11 upgradient	11/5/2015	5.2	140	240	0.13	6.51	190	1100
	3/2/2016	4.0	170	240	0.1	7.16	210	1200
	5/5/2016	5.0	140	280	0.11	7.17	160	1000
	8/26/2016	3.5	180	240	0.13	6.97	110	1100
	12/7/2016	3.0	170	270	0.12	7.06	110	1200
	2/24/2017	2.4	180	220	4.9	6.61	170	1200
	5/18/2017	1.8	160	170	0.12	7.42	120	1000
	7/6/2017	2.4	160	190	0.14	7.33	130	1100
	Pred. Limit*	6.83	206	333	4.9	7.91-6.14	255	1341
	9/13/2017	1.9	140	150	0.26	7.16	96	870
	11/30/2017	2.2	170	200	0.14	6.99	93	1100
	5/31/2018	1.5	210	160	0.1	6.74	130	1100
	11/6/2018	2.3	170	150	0.12	7.21	78	990
	5/15/2019	3.2	120	260	0.13	7.14	31	1000
	11/19/2019	4.1	130	200	0.15	7.51	29	860
	4/22/2020	3.2	110	150	0.15	7.16	47	740
	11/19/2020	2.3	140	130	0.2	7.00	28	800
	5/6/2021	2.4	130	120	0.15	7.13	45	770
	8/19/2021	1.3	140	88	0.16	6.95	45	730
	11/4/2021	1.6	130	100	0.16	6.80	45	740
	2/10/2022	1.2	150	87	0.17	7.12	44	860
	5/24/2022	1.8	150	95	0.14	6.78	21	820
	8/23/2022	1.4	140	97	0.18	7.01	30	780
	11/8/2022	1.4	150	100	0.21	6.87	26	790
	2/14/2023	1.0	150	100	0.15	6.92	36	730
	5/9/2023	1.2	140	100	0.15	6.99	55	790
	8/8/2023	^+ 1.2	140	90	0.16	6.95	67	800
	11/28/2023	1.2	130	82	0.16	7.02	81	790
	2/6/2024	1.2	140	92	0.14	6.94	66	840
	5/21/2024	1.3	140	93	0.16	6.90	0.16	800
	8/13/2024	1.2	150	82	0.18	6.93	48	740
	11/12/2024	1.7	100	110	0.17	6.91	37	630
	2/4/2025	1.9	140	130	0.15	6.97	55	670
	5/14/2025	0.95	150	65	0.17	6.93	43	700
	8/5/2025	0.94	140	F1 67	0.24	6.83	40	700
	11/18/2025	1.7	150	98	0.20	6.95	44	660

Notes: All units are in mg/L (milligrams/liter) with the exception of pH (standard units).

Italicized Date - First round of Detection Monitoring and resample after statistical background establishment.

Pred. Limit - Prediction Limit

* - Intrawell Prediction Limit. All others are interwell comparisons.

** - Based on pooled background from MW-11/MW-14. All others based on MW-14 as background.

BOLD - Potential statistically significant increase relative to interwell Prediction Limit.

NA - Not analyzed.

B - Constituent found in blank

F1 - MS and/or MSD Recovery outside of limits.

V - Serial dilution outside control limits.

^1+ or ^+ - Initial/continued calibration verification outside limits, high biased.

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-14 upgradient	11/5/2015	1.4	150	190	0.19	6.78	140	1000
	3/2/2016	0.93	150	110	0.17	7.24	150	870
	5/5/2016	1.2	170	120	0.18	7.17	190	980
	8/26/2016	1.5	200	210	0.12	7.00	190	1300
	12/7/2016	0.95	240	340	0.25	6.81	120	1100
	2/23/2017	0.73	150	99	0.19	6.88	110	730
	5/18/2017	0.81	120	130	0.3	7.62	70	590
	7/6/2017	1.2	190	180	0.13	7.29	190	1300
	Pred. Limit*	1.85	274	389	0.35	7.89-6.31	266	1676
	9/13/2017	2.3	180	190	0.15	7.20	270	1200
	11/30/2017	0.85	170	130	0.19	7.33	99	940
	6/1/2018	0.54	100	57	0.28	6.89	42	410
	11/6/2018	0.98	160	110	0.24	7.36	53	610
	5/15/2019	0.69	110	190	0.23	7.25	35	780
	11/19/2019	0.62	130	68	0.16	7.58	21	630
	4/22/2020	0.43	120	20	0.21	7.16	9.5	500
	11/19/2020	0.71	130	40	0.2	7.09	20	520
	5/6/2021	0.45	130	41	0.19	7.16	28	390
	8/19/2021	0.48	130	32	0.13	6.96	34	450
	11/4/2021	0.66	120	37	0.21	7.15	72	580
	2/10/2022	0.5	150	30	0.16	7.29	58	760
	5/24/2022	0.62	120	33	0.17	7.11	43	570
	8/23/2022	0.58	150	52	0.15	7.03	28	740
	11/8/2022	0.65	150	46	0.2	6.99	28	650
	2/14/2023	0.44	120	23	0.14	6.87	36	480
	5/9/2023	0.42	110	17	0.18	7.07	24	460
	8/8/2023	^+ 0.48	110	21	0.14	7.11	23	480
	11/28/2023	0.52	130	25	0.16	7.05	< 5.0	600
	2/6/2024	0.47	130	23	0.14	6.95	36	560
	5/21/2024	0.49	110	9.9	0.21	6.95	16	430
	8/13/2024	0.50	130	15	0.16	7.06	8.5	510
	11/12/2024	0.54	130	25	0.14	6.96	5.9	550
	2/4/2025	0.47	130	47	0.20	7.01	15	550
	5/14/2025	0.45	150	34	0.15	6.84	18	560
	8/5/2025	0.48	150	25	0.19	6.92	10	590
	11/18/2025	0.68	150	32	0.22	6.89	15	590
MW-01 downgradient	11/2/2015	1.8	64	71	0.46	10.93	310	560
	3/1/2016	V 1.9	58	63	0.26	11.13	270	570
	5/4/2016	2.0	45	60	0.3	11.09	210	490
	8/23/2016	2.0	42	60	0.26	10.49	240	550
	12/5/2016	2.2	55	65	0.34	10.46	180	560
	2/21/2017	2.2	50	61	0.29	11.30	250	540
	5/15/2017	2.1	52	59	0.37	10.69	330	570
	7/5/2017	2.3	44	51	0.34	10.83	320	570
	Pred. Limit	1.83	227**	345**	4.9**	7.70-6.43**	233**	1461**
	9/14/2017	2.4	71	47	0.24	10.45	430	770
	11/27/2017	2.7	84	43	0.11	7.85	330	840
	5/29/2018	2.4	54	58	0.33	8.44	350	610
	11/5/2018	2.0	38	43	0.25	8.70	210	630
	5/14/2019	2.2	56	45	0.18	9.85	250	560
	11/19/2019	2.3	38	39	0.24	10.58	240	530
	4/21/2020	2.8	55	25	0.22	9.40	240	470
	11/17/2020	3.3	120	95	0.14	7.97	250	640
	5/5/2021	< 5.0	66	67	0.22	9.00	180	430
	8/18/2021	2.7	72	60	0.17	8.31	170	430
	11/3/2021	2.9	67	60	0.22	8.56	180	440
	2/8/2022	3.1	62	42	0.27	8.67	230	530
	5/23/2022	3.3	94	34	0.2	7.77	200	490
	8/22/2022	2.8	52	43	0.34	8.60	190	430
	11/7/2022	3.0	59	48	0.43	8.45	180	460
	2/13/2023	2.6	46	63	0.24	8.58	170	440
	5/8/2023	2.1	45	54	0.39	8.87	160	370
	8/7/2023	^+ 1.8	46	50	0.40	9.08	150	340
	11/27/2023	1.6	54	61	0.31	9.00	140	390
	2/5/2024	2.3	58	70	0.34	8.57	170	550
	5/20/2024	2.3	110	91	0.20	7.57	210	650
	8/12/2024	1.8	63	81	0.28	8.65	170	460
	11/11/2024	2.4	94	82	0.22	7.40	190	550
	2/3/2025	1.8	66	75	0.24	7.67	160	420
	5/12/2025	2.2	63	82	0.26	7.66	160	450
	8/4/2025	1.8	45	F1 73	0.30	7.14	120	390
	11/17/2025	2.2	45	72	0.33	7.78	150	390

Notes: All units are in mg/L (milligrams/liter) with the exception of pH (standard units).

Italicized Date - First round of Detection Monitoring and resample after statistical background establishment.

Pred. Limit - Prediction Limit

* - Intrawell Prediction Limit. All others are interwell comparisons.

** - Based on pooled background from MW-11/MW-14. All others based on MW-14 as background.

BOLD - Potential statistically significant increase relative to interwell Prediction Limit.

NA - Not analyzed.

B - Constituent found in blank

F1 - MS and/or MSD Recovery outside of limits.

V - Serial dilution outside control limits.

^1+ or ^+ - Initial/continued calibration verification outside limits, high biased.

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-02 downgradient	11/2/2015	3.0	32	47	0.78	8.27	230	460
	3/1/2016	4.1	39	47	1.3	8.57	220	510
	5/4/2016	3.3	34	51	1.5	8.19	180	440
	8/23/2016	3.1	42	59	1.3	7.52	250	500
	12/5/2016	3.1	28	56	1.0	8.62	160	430
	2/21/2017	3.3	31	52	0.76	8.75	190	420
	5/15/2017	3.6	85	48	0.64	8.33	320	640
	7/5/2017	4.2	100	52	0.42	7.92	300	710
	Pred. Limit	1.83	227**	345**	4.9**	7.70-6.43**	233**	1461**
	9/14/2017	2.5	87	54	0.44	8.19	340	780
	11/27/2017	3.4	69	57	0.62	7.34	200	570
	5/29/2018	4.5	160	43	0.40	6.85	420	990
	11/5/2018	3.1	77	59	0.61	8.06	180	610
	5/14/2019	2.9	47	49	1.0	8.30	140	430
	11/19/2019	4.7	140	43	0.68	7.37	270	900
	4/21/2020	3.4	86	48	0.97	8.02	250	580
	11/17/2020	4.0	79	20	0.82	7.67	310	610
	5/5/2021	4.6	70	37	0.72	8.39	190	420
	8/18/2021	4.1	84	39	0.50	7.92	190	480
	11/3/2021	4.2	59	43	0.63	7.78	170	410
	2/8/2022	0.18	71	34	0.50	8.00	200	580
	5/23/2022	3.5	77	30	0.46	8.12	190	510
	8/22/2022	3.3	84	33	0.28	7.59	220	650
	11/7/2022	3.5	120	36	0.29	7.40	270	700
	2/13/2023	3.8	83	45	0.34	7.90	180	560
	5/8/2023	3.1	62	47	0.39	8.00	210	440
	8/7/2023	[^] + 3.1	68	51	0.40	8.17	210	510
	11/28/2023	2.8	61	67	0.36	7.58	150	480
	2/5/2024	3.5	67	78	0.49	8.16	170	530
	5/20/2024	5.1	170	70	0.24	7.02	360	980
	8/12/2024	3.6	91	73	0.47	7.32	240	640
	11/11/2024	3.4	62	73	0.39	7.83	180	490
	2/3/2025	3.0	45	75	0.44	8.12	190	450
	5/12/2025	3.5	56	69	0.39	7.99	F1 200	470
	8/4/2025	3.3	45	68	0.56	7.57	190	440
	11/17/2025	2.9	33	82	0.68	8.34	160	370
MW-03 downgradient	11/2/2015	2.3	72	87	0.51	9.26	270	570
	3/1/2016	2.9	61	70	0.33	7.33	220	530
	5/4/2016	2.4	42	74	0.56	7.25	170	470
	8/24/2016	2.0	70	59	0.3	9.13	200	430
	12/5/2016	2.4	57	60	0.41	7.62	120	440
	2/21/2017	2.2	56	65	0.33	7.56	180	460
	5/16/2017	3.9	110	61	0.27	7.90	320	820
	7/5/2017	3.0	60	60	0.28	7.46	200	470
	Pred. Limit	1.83	227**	345**	4.9**	7.70-6.43**	233**	1461**
	9/14/2017	2.1	86	57	0.26	7.53	260	680
	11/28/2017	2.6	69	63	0.56	6.96	120	500
	5/29/2018	2.4	67	61	0.38	6.84	190	480
	11/5/2018	2.4	54	54	0.5	8.99	150	500
	5/14/2019	4.2	86	17	0.59	7.21	270	660
	11/19/2019	4.2	130	15	0.25	7.47	300	740
	4/21/2020	3.8	120	23	0.29	6.87	270	660
	11/17/2020	3.8	120	53	0.29	7.05	240	650
	5/5/2021	3.3	110	43	0.23	7.18	210	550
	8/18/2021	3	150	46	0.17	6.90	250	690
	11/3/2021	3.2	120	40	0.18	7.05	250	600
	2/8/2022	2.6	91	31	0.3	7.16	210	580
	5/23/2022	2.4	79	32	0.23	8.72	170	430
	6/30/2022 R	NA	NA	NA	NA	7.29	NA	NA
	8/22/2022	1.8	80	45	0.2	7.38	180	570
	11/7/2022	2.3	82	50	0.35	7.35	180	520
	2/13/2023	2.4	74	60	0.21	7.13	150	510
	5/8/2023	2.3	53	53	0.32	8.20	130	340
	8/7/2023	[^] + 2.3	45	54	0.48	7.73	130	380
	11/27/2023	2.1	34	51	0.41	8.06	130	370
	2/5/2024	2.7	39	49	0.49	8.97	160	420
	5/20/2024	2.9	29	74	0.54	9.94	F1 170	490
	8/12/2024	2.6	66	85	0.31	7.51	210	610
	11/11/2024	3.0	28	78	0.54	10.24	180	500
	2/3/2025	3.2	34	69	0.40	11.08	170	450
	5/12/2025	3.5	43	57	0.35	10.37	190	430
	8/4/2025	3.7	54	53	0.30	10.00	240	520
	11/17/2025	2.3	38	77	0.35	9.60	160	400

Notes: All units are in mg/L (milligrams/liter) with the exception of pH (standard units).

Italicized Date - First round of Detection Monitoring and resample after statistical background establishment.

Pred. Limit - Prediction Limit

* - Intrawell Prediction Limit. All others are interwell comparisons.

** - Based on pooled background from MW-11/MW-14. All others based on MW-14 as background.

BOLD - Potential statistically significant increase relative to interwell Prediction Limit.

NA - Not analyzed.

B - Constituent found in blank

F1 - MS and/or MSD Recovery outside of limits.

V - Serial dilution outside control limits.

[^]1+ or [^]+ - Initial/continued calibration verification outside limits, high biased.

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-04 downgradient	11/3/2015	1.8	66	62	0.51	6.68	240	480
	3/1/2016	2.0	58	51	0.5	7.17	170	450
	5/4/2016	1.6	44	49	0.61	6.92	140	340
	8/24/2016	2.0	46	58	0.56	7.01	120	370
	12/5/2016	3.4	200	60	0.21	7.40	300	1000
	2/22/2017	2.4	150	41	0.17	7.44	290	850
	5/16/2017	2.5	170	29	0.32	7.94	400	970
	7/5/2017	3.6	200	51	0.29	7.09	520	1100
	Pred. Limit	1.83	227**	345**	4.9**	7.70-6.43**	233**	1461**
	9/14/2017	<u>2.5</u>	180	45	0.28	7.04	480	1100
	11/28/2017	<u>2.3</u>	110	32	0.28	7.04	130	560
	5/30/2018	<u>3.0</u>	150	21	0.38	6.57	200	700
	11/6/2018	<u>2.5</u>	150	58	0.37	6.83	240	900
	5/14/2019	<u>3.3</u>	100	58	0.64	7.30	200	730
	11/19/2019	<u>2.9</u>	120	44	0.75	7.27	270	680
	4/21/2020	<u>2.9</u>	100	33	0.9	7.18	290	670
	11/18/2020	<u>3.1</u>	100	18	1.1	7.17	250	690
	5/5/2021	<u>3.3</u>	75	17	0.91	7.46	190	530
	8/18/2021	<u>3.0</u>	92	39	0.8	7.45	200	590
	11/3/2021	<u>2.7</u>	67	50	0.99	7.36	150	550
	2/8/2022	<u>3.1</u>	110	38	0.66	7.61	190	660
	5/23/2022	<u>2.5</u>	81	41	0.61	8.05	150	510
	6/30/2022 R	NA	NA	NA	NA	7.41	NA	NA
	8/22/2022	F1 <u>3.1</u>	100	31	0.55	7.82	230	660
	11/7/2022	<u>2.7</u>	63	33	0.62	7.47	180	450
	2/13/2023	<u>2.8</u>	110	28	0.36	7.58	210	610
	5/9/2023	<u>2.3</u>	100	59	0.38	7.16	250	560
	8/8/2023	^+ <u>2.5</u>	58	63	0.40	7.81	150	400
	11/27/2023	<u>2.4</u>	44	58	0.37	7.63	130	360
	2/5/2024	<u>2.7</u>	74	45	0.46	7.33	130	430
	5/21/2024	<u>2.2</u>	64	58	0.40	7.59	130	450
	8/12/2024	<u>3.2</u>	210	55	0.35	6.89	420	1200
	11/11/2024	<u>2.7</u>	50	65	0.41	7.58	170	410
	2/5/2025	<u>2.6</u>	46	88	0.60	8.30	160	460
	5/12/2025	<u>2.3</u>	26	68	0.67	8.60	150	200
	8/4/2025	<u>2.4</u>	42	F1 75	0.56	8.19	160	460
	11/17/2025	<u>3.0</u>	18	79	0.83	8.71	180	450
MW-16 downgradient	11/3/2015	4.1	230	87	0.43	6.24	610	1400
	3/2/2016	3.1	360	130	0.35	6.76	990	1700
	5/2/2016	4.9	250	150	0.49	6.99	620	1600
	8/24/2016	3.6	130	53	0.71	7.00	330	830
	12/5/2016	3.8	160	52	0.51	7.03	280	920
	2/24/2017	6.5	200	67	0.2	5.76	570	1100
	5/16/2017	2.6	340	130	0.15	7.57	760	1700
	7/6/2017	9.5	190	70	0.57	7.35	480	1100
	Pred. Limit	1.83	227**	345**	4.9**	7.70-6.43**	233**	1461**
	9/13/2017	<u>2.8</u>	190	55	0.61	7.33	460	970
	11/27/2017	<u>4.2</u>	140	58	0.71	7.16	270	760
	6/1/2018	<u>3</u>	380	130	0.32	6.53	890	1900
	8/22/2018 R	NA	190	NA	NA	NA	NA	1200
	11/6/2018	<u>3.9</u>	380	150	0.39	6.78	550	1900
	12/4/2018 R	NA	320	NA	NA	NA	NA	1600
	5/15/2019	<u>2.9</u>	400	65	0.31	6.67	990	2000
	11/19/2019	<u>7.2</u>	410	480	0.46	6.89	680	3100
	12/27/2019 R	NS	NS	NS	NS	NS	NS	2800
	4/21/2020	<u>7.7</u>	420	200	0.5	6.79	1100	2400
	11/17/2020	<u>3.2</u>	130	54	0.71	7.22	320	990
	5/6/2021	<u>3.1</u>	120	55	0.68	7.33	300	740
	8/18/2021	<u>3.1</u>	140	55	0.66	7.19	320	790
	11/4/2021	<u>3</u>	120	48	0.68	7.32	290	810
	2/8/2022	<u>2.6</u>	110	41	0.65	7.40	280	700
	5/23/2022	<u>3.6</u>	170	62	0.53	6.97	420	1100
	8/22/2022	<u>2.7</u>	110	42	0.62	7.33	280	780
	11/7/2022	<u>3</u>	120	47	0.8	7.20	290	730
	2/14/2023	<u>2.6</u>	110	49	0.58	7.28	260	750
	5/9/2023	<u>3.0</u>	140	66	0.58	6.98	350	850
	8/8/2023	^+ <u>2.7</u>	130	46	0.56	7.30	310	770
	11/28/2023	<u>2.7</u>	130	47	0.52	7.14	350	830
	2/6/2024	<u>3.6</u>	150	50	0.59	7.25	370	840
	5/21/2024	<u>5.0</u>	160	F1 65	0.50	6.95	430	940
	8/13/2024	<u>5.0</u>	330	110	0.40	6.58	870	1900
	11/12/2024	<u>4.1</u>	220	48	0.39	6.76	450	1200
	2/3/2025	<u>3.9</u>	190	55	0.43	7.08	430	1000
	5/12/2025	<u>5.9</u>	220	95	0.53	6.94	490	1200
	8/5/2025	<u>7.7</u>	220	100	0.63	6.79	470	1200
	11/19/2025	<u>8.2</u>	210	100	0.44	6.92	480	1100

Notes: All units are in mg/L (milligrams/liter) with the exception of pH (standard units).

Italicized Date - First round of Detection Monitoring and resample after statistical background establishment.

Pred. Limit - Prediction Limit

* - Intrawell Prediction Limit. All others are interwell comparisons.

** - Based on pooled background from MW-11/MW-14. All others based on MW-14 as background.

BOLD - Potential statistically significant increase relative to interwell Prediction Limit.

NA - Not analyzed.

B - Constituent found in blank

F1 - MS and/or MSD Recovery outside of limits.

V - Serial dilution outside control limits.

^1+ or ^+ - Initial/continued calibration verification outside limits, high biased.

Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-09 upgradient	11/4/2015	< 0.0030	< 0.0010	0.015	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.14	< 0.00050	0.081	< 0.00020	0.26	0.1818	< 0.0025	< 0.0020
	3/2/2016	< 0.0030	0.060	0.050	< 0.0010	< 0.00050	0.043	< 0.0010	0.11	0.00061	0.094	< 0.00020	0.51	< 0.360	0.025	< 0.0020
	5/3/2016	< 0.0030	0.0014	0.025	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	0.083	< 0.00020	0.63	< 0.512	0.024	< 0.0020
	8/25/2016	0.0041	0.042	0.024	< 0.0010	0.0011	0.056	0.0027	0.21	0.0012	0.049	< 0.00020	0.063	0.482	0.039	< 0.0020
	12/8/2016	< 0.0030	0.0040	0.016	< 0.0010	0.00052	< 0.0050	< 0.0010	0.18	< 0.00050	0.077	< 0.00020	0.24	< 0.720	0.038	< 0.0020
	2/23/2017	< 0.0030	0.0027	0.014	< 0.0010	< 0.00050	0.059	0.0018	0.12	< 0.00050	0.068	< 0.00020	0.26	< 0.461	0.016	< 0.0020
	5/16/2017	< 0.0030	< 0.0010	0.0094	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	< 0.00050	0.045	< 0.00020	0.51	< 0.342	0.0085	< 0.0020
	7/6/2017	< 0.0030	0.0020	0.018	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.13	< 0.00050	0.089	< 0.00020	0.31	< 0.316	0.021	< 0.0020
	9/13/2017	< 0.0030	0.0067	0.019	< 0.0010	< 0.00050	0.0052	0.0017	0.14	< 0.00050	0.069	< 0.00020	0.33	0.944	0.0041	< 0.0020
	11/29/2017	< 0.0030	0.0017	0.015	< ^ 0.0010	< 0.00050	< 0.0050	< 0.0010	0.13	< 0.00050	0.086	< 0.00020	0.47	0.475	0.042	< 0.0020
	5/15/2019	< 0.0030	< 0.0010	0.0073	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.11	< 0.00050	0.035	< 0.00020	0.54	< 0.433	< 0.0025	< 0.0020
	5/6/2021	< 0.0030	< 0.0010	0.0075	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	0.040	< 0.00020	0.47	< 0.614	0.023	< 0.0020
	8/19/2021	< 0.0030	0.0019	0.015	< 0.0010	< 0.00050	< 0.0050	^+ < 0.0010	0.13	0.0015	0.066	< 0.00020	0.12	< 0.457	0.071	^+ < 0.0020
	11/4/2021	< 0.0030	0.0026	0.074	^1+ < 0.0010	< 0.00050	< 0.0050	0.0011	0.24	< 0.00050	0.060	< 0.00020	0.12	< 0.775	0.097	< 0.0020
	2/10/2022	< 0.0030	0.015	0.033	< 0.0010	0.00076	< 0.0050	0.0038	0.17	< 0.00050	0.065	< 0.00020	0.21	< 0.523	0.036	< 0.0020
	5/24/2022	< 0.0030	0.0019	0.020	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	0.054	< 0.00020	0.18	< 0.444	< 0.0025	< 0.0020
	8/23/2022	< 0.0030	0.0012	0.046	^1- < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.22	< 0.00050	0.048	< 0.00020	0.21	0.487	0.0034	< 0.0020
	11/7/2022	< 0.0030	0.0083	0.14	^1+ ^+ < 0.0010	< 0.00050	< 0.0050	0.0013	0.51	0.0034	0.057	< 0.00020	0.088	2.58	< 0.0025	< 0.0020
	2/13/2023	< 0.0030	0.0011	0.074	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	0.062	< 0.00020	0.46	1.01	0.029	< 0.0020
	5/9/2023	< 0.0030	0.0011	0.021	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	0.045	< 0.00020	0.15	< 0.557	< 0.0025	< 0.0020
	8/8/2023	< 0.0030	0.0021	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	0.062	< 0.00020	0.35	0.754	0.022	< 0.0020
	11/28/2023	< 0.0030	0.0071	0.061	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.33	< 0.00050	0.053	< 0.00020	0.049	0.652	< 0.0025	< 0.0020
	2/6/2024	^1+ < 0.0030	0.0035	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.18	< 0.00050	< 0.20	< 0.00020	0.32	1.09	0.0070	< 0.0020
	5/21/2024	< 0.0030	0.027	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.37	< 0.00050	0.047	< 0.00020	0.074	0.768	< 0.0025	< 0.0020
	8/13/2024	< 0.0030	0.0062	0.085	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.34	< 0.00050	0.045	< 0.00020	0.14	1.10	< 0.0025	< 0.0020
	11/12/2024	< 0.0030	0.013	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.32	< 0.00050	0.047	< 0.00020	0.055	0.924	< 0.0025	< 0.0020
	2/4/2025	< 0.0030	0.0077	0.070	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.27	< 0.00050	^5- 0.051	< 0.00020	0.053	< 0.507	< 0.0025	< 0.0020
	5/13/2025	< 0.0030	0.012	0.095	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	< 0.00050	0.040	< 0.00020	0.043	0.914	< 0.0025	< 0.0020
	GWPS	0.006	29.68	2.0	0.004	0.005	15.1	0.006	4.0	0.015	0.04	0.002	0.1	5.0	0.05	0.002
	8/5/2025	< 0.0030	0.018	0.13	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	< 0.00050	0.038	< 0.00020	0.097	1.54	< 0.0025	< 0.0020
	11/18/2025	< 0.0030	0.026	0.097	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.24	< 0.00050	0.054	< 0.00020	0.020	13.4	< 0.0025	< 0.0020
	1/9/2025 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.065	NA	NA	DNYA	NA
MW-11 upgradient	11/5/2015	< 0.0030	0.77	0.039	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.13	0.0010	0.055	< 0.00020	< 0.0050	0.656	< 0.0025	< 0.0020
	3/2/2016	< 0.0030	0.55	0.048	< 0.0010	< 0.00050	0.0058	< 0.0010	0.10	0.0011	0.049	< 0.00020	< 0.0050	1.09	< 0.0025	< 0.0020
	5/5/2016	< 0.0030	0.51	0.038	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.11	< 0.00050	0.057	< 0.00020	< 0.0050	1.24	< 0.0025	< 0.0020
	8/26/2016	< 0.0030	1.1	0.050	< 0.0010	< 0.00050	0.0055	< 0.0010	0.13	0.00050	0.055	< 0.00020	< 0.0050	1.04	< 0.0025	< 0.0020
	12/7/2016	< 0.0030	0.87	0.049	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	0.038	< 0.00020	< 0.0050	1.87	< 0.0025	< 0.0020
	2/24/2017	< 0.0030	0.58	0.047	< 0.0010	< 0.00050	< 0.0050	< 0.0010	H 0.13	< 0.00050	0.039	< 0.00020	< 0.0050	0.982	< 0.0025	< 0.0020
	5/18/2017	< 0.0030	0.50	0.047	^ < 0.0010	< 0.00050	0.0056	< 0.0010	0.12	< 0.00050	0.036	< 0.00020	< 0.0050	1.31	< 0.0025	< 0.0020
	7/6/2017	< 0.0030	0.69	0.056	< 0.0010	< 0.00050	0.0057	< 0.0010	0.14	< 0.00050	0.041	< 0.00020	< 0.0050	0.889	< 0.0025	< 0.0020
	9/13/2017	< 0.0030	0.86	0.036	< 0.0010	< 0.00050	0.0080	< 0.0010	0.26	0.00071	0.037	< 0.00020	0.0054	0.718	< 0.0025	< 0.0020
	11/30/2017	< 0.0030	0.59	0.050	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.14	< 0.00050	0.041	< 0.00020	< 0.0050	1.21	< 0.0025	< 0.0020
	5/15/2019	< 0.0030	0.30	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.13	< 0.00050	0.038	< 0.00020	< 0.0050	1.50	< 0.0025	< 0.0020
	5/6/2021	< 0.0030	0.44	0.044	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.15	< 0.00050	0.038	< 0.00020	< 0.0050	1.70	< 0.0025	< 0.0020

Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-14 upgradient	11/5/2015	< 0.0030	0.19	0.052	^ < 0.0010	< 0.00050	0.010	0.0012	0.19	< 0.00050	0.025	< 0.00020	< 0.0050	0.7087	< 0.0025	< 0.0020
	3/2/2016	0.015	4.3	0.12	< 0.0010	< 0.00050	1.1	0.0036	0.17	0.00068	0.019	< 0.00020	< 0.0050	1.36	< 0.0025	< 0.0020
	5/5/2016	< 0.0030	0.35	0.054	< 0.0010	< 0.00050	0.017	0.0014	0.18	< 0.00050	0.021	< 0.00020	< 0.0050	< 0.488	< 0.0025	< 0.0020
	8/26/2016	< 0.0030	1.0	0.058	< 0.0010	< 0.00050	0.021	< 0.0010	0.12	< 0.00050	0.026	< 0.00020	< 0.0050	0.750	< 0.0025	< 0.0020
	12/7/2016	0.0096	19	0.42	< 0.0010	0.00089	4.6	0.0025	0.25	0.00084	0.022	< 0.00020	0.0094	< 0.866	0.014	< 0.0020
	2/23/2017	0.0061	9.3	0.36	< 0.0010	0.0010	4.6	0.0070	0.19	0.00095	0.017	< 0.00020	< 0.0050	< 0.514	0.0031	< 0.0020
	5/18/2017	0.0035	3.3	0.44	^ < 0.0010	0.0020	4.8	0.0041	0.30	0.00054	0.013	0.00043	< 0.0050	0.779	< 0.0025	< 0.0020
	7/6/2017	< 0.0030	0.40	0.071	< 0.0010	< 0.00050	0.026	0.0013	0.13	< 0.00050	0.034	< 0.00020	< 0.0050	0.549	< 0.0025	< 0.0020
	9/13/2017	< 0.0030	0.52	0.065	< 0.0010	< 0.00050	0.0078	< 0.0010	0.15	< 0.00050	0.025	< 0.00020	< 0.0050	< 0.359	< 0.0025	< 0.0020
	11/30/2017	0.0093	21	0.27	^ < 0.0010	0.00068	3.2	0.0021	0.19	< 0.00050	0.023	< 0.00020	0.0055	1.01	0.0072	< 0.0020
	5/15/2019	0.0036	2.7	0.091	< 0.0010	< 0.00050	0.71	< 0.0010	0.23	< 0.00050	0.014	< 0.00020	< 0.0050	0.766	< 0.0025	< 0.0020
	5/6/2021	< 0.0030	0.91	0.050	< 0.0010	< 0.00050	0.037	< 0.0010	0.19	< 0.00050	0.015	< 0.00020	< 0.0050	< 0.739	< 0.0025	< 0.0020
	8/19/2021	< 0.0030	3.3	0.046	< 0.0010	< 0.00050	0.045	^+ < 0.0010	0.13	< 0.00050	0.013	< 0.00020	< 0.0050	< 0.597	< 0.0025	^+ < 0.0020
	11/4/2021	0.0046	0.37	0.036	^1+ < 0.0010	< 0.00050	0.12	< 0.0010	0.21	< 0.00050	0.014	< 0.00020	0.0078	< 0.798	0.016	< 0.0020
	2/10/2022	< 0.0030	0.89	0.054	< 0.0010	< 0.00050	0.19	< 0.0010	0.16	< 0.00050	0.014	< 0.00020	< 0.0050	0.658	< 0.0025	< 0.0020
	5/24/2022	0.0038	0.60	0.042	^+ < 0.0010	< 0.00050	0.028	< 0.0010	0.17	< 0.00050	0.012	< 0.00020	0.0053	< 0.656	< 0.0025	< 0.0020
	8/23/2022	< 0.0030	2.7	0.057	^1- < 0.0010	< 0.00050	0.034	< 0.0010	0.15	< 0.00050	0.012	< 0.00020	< 0.0050	0.588	< 0.0025	< 0.0020
	11/8/2022	< 0.0030	2.1	0.053	^1+ ^+ < 0.0010	< 0.00050	0.099	< 0.0010	0.20	0.0034	0.019	< 0.00020	0.0051	2.04	< 0.0025	< 0.0020
	2/14/2023	< 0.0030	1.7	0.047	< 0.0010	< 0.00050	0.71	< 0.0010	0.14	< 0.00050	0.012	< 0.00020	< 0.0050	1.12	< 0.0025	< 0.0020
	5/9/2023	0.0030	0.33	0.038	^+ < 0.0010	< 0.00050	0.039	< 0.0010	0.18	< 0.00050	0.013	< 0.00020	< 0.0050	0.666	< 0.0025	< 0.0020
	8/8/2023	< 0.0030	3.5	0.048	< 0.0010	< 0.00050	0.13	< 0.0010	0.14	< 0.00050	0.010	< 0.00020	< 0.0050	< 0.772	< 0.0025	< 0.0020
	11/28/2023	< 0.0030	1.4	0.035	^1+ < 0.0010	< 0.00050	0.17	< 0.0010	0.16	< 0.00050	0.013	< 0.00020	< 0.0050	0.914	< 0.0025	< 0.0020
	2/6/2024	^1+ < 0.0030	0.42	0.031	< 0.0010	< 0.00050	0.078	< 0.0010	0.14	< 0.00050	0.012	< 0.00020	< 0.0050	1.44	< 0.0025	< 0.0020
	5/21/2024	0.0030	0.67	0.036	< 0.0010	< 0.00050	0.098	< 0.0010	0.21	< 0.00050	0.014	< 0.00020	< 0.0050	0.91	< 0.0025	< 0.0020
	8/13/2024	< 0.0030	3.1	0.057	< 0.0010	< 0.00050	0.20	0.0015	0.16	< 0.00050	0.013	< 0.00020	< 0.0050	< 0.884	< 0.0025	< 0.0020
	11/12/2024	< 0.0030	6.6	0.081	< 0.0010	< 0.00050	0.66	< 0.0010	0.14	< 0.00050	0.014	< 0.00020	< 0.0050	< 0.914	< 0.0025	< 0.0020
	2/4/2025	< 0.0030	2.5	0.052	^1+ < 0.0010	< 0.00050	0.61	< 0.0010	0.20	< 0.00050	^5- 0.013	< 0.00020	< 0.0050	0.949	0.0027	< 0.0020
	5/14/2025	< 0.0030	2.1	0.058	^1+ < 0.0010	< 0.00050	0.50	0.0011	0.15	< 0.00050	0.014	< 0.00020	< 0.0050	< 0.320	< 0.0025	< 0.0020
	GWPS	0.006	29.68	2.0	0.004	0.005	15.1	0.006	4.0	0.015	0.04	0.002	0.1	5.0	0.05	0.002
	8/5/2025	< 0.0030	4.2	0.069	^1+ < 0.0010	< 0.00050	0.49	< 0.0010	0.19	< 0.00050	0.015	< 0.00020	< 0.0050	< 1.19	< 0.0025	< 0.0020
	11/18/2025	< 0.0030	2.1	0.051	< 0.0010	< 0.00050	0.032	< 0.0010	0.22	< 0.00050	0.021	< 0.00020	< 0.0050	2.09	< 0.0025	< 0.0020
MW-01 downgradient	11/2/2015	< 0.0030	0.074	0.025	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.46	< 0.00050	< 0.010	< 0.00020	0.040	0.0683	0.0047	< 0.0020
	3/1/2016	< 0.0030	0.10	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.26	< 0.00050	< 0.010	< 0.00020	0.059	< 0.317	< 0.0025	< 0.0020
	5/4/2016	< 0.0030	0.11	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.30	< 0.00050	< 0.010	< 0.00020	0.069	< 0.395	< 0.0025	< 0.0020
	8/23/2016	< 0.0030	0.074	0.012	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.26	< 0.00050	< 0.010	< 0.00020	0.065	< 0.478	0.0042	< 0.0020
	12/5/2016	< 0.0030	0.13	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.34	< 0.00050	< 0.010	< 0.00020	0.070	< 0.465	0.0025	< 0.0020
	2/21/2017	< 0.0030	0.15	0.016	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	< 0.00050	< 0.010	< 0.00020	0.069	0.516	< 0.0025	< 0.0020
	5/15/2017	< 0.0030	0.14	0.017	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.37	< 0.00050	< 0.010	< 0.00020	0.062	< 0.424	0.0036	< 0.0020
	7/5/2017	< 0.0030	0.066	0.014	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.34	< 0.00050	< 0.010	< 0.00020	0.059	< 0.289	0.0095	< 0.0020
	9/14/2017	< 0.0030	0.040	0.033	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.24	< 0.00050	< 0.010	< 0.00020	0.047	< 0.383	0.0096	< 0.0020
	11/27/2017	< 0.0030	0.021	0.055	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.11	< 0.00050	< 0.010	< 0.00020	0.034	0.568	0.023	< 0.0020
	5/14/2019	< 0.0030	0.067	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.18	< 0.00050	< 0.010	< 0.00020	0.053	0.360	< 0.0025	< 0.0020
	5/5/2021	< 0.0030	0.025	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.22	< 0.00050	< 0.010	< 0.00020	0.016	< 0.602	< 0.0025	< 0.0020
	8/18/2021	< 0.0030	0.023	0.044	< 0.0010	< 0.00050	< 0.0050	^+ < 0.0010	0.17	< 0.00050	< 0.010	< 0.00020	0.021	< 0.471	< 0.0025	^+ < 0.0020
	11/3/2021	< 0.00303														

Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
MW-02 downgradient	11/2/2015	< 0.0030	0.014	0.016	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.78	< 0.00050	< 0.010	< 0.00020	0.063	0.4628	< 0.0025	< 0.0020	
	3/1/2016	< 0.0030	0.011	0.020	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.3	< 0.00050	< 0.010	< 0.00020	0.078	0.529	< 0.0025	< 0.0020	
	5/4/2016	< 0.0030	0.0081	0.018	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.5	< 0.00050	< 0.010	< 0.00020	0.069	< 0.425	< 0.0025	< 0.0020	
	8/23/2016	< 0.0030	0.0082	0.016	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.3	< 0.00050	< 0.010	< 0.00020	0.056	< 0.439	< 0.0025	< 0.0020	
	12/5/2016	< 0.0030	0.018	0.015	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.0	< 0.00050	< 0.010	< 0.00020	0.071	0.509	< 0.0025	< 0.0020	
	2/21/2017	< 0.0030	0.028	0.012	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.76	< 0.00050	< 0.010	< 0.00020	0.051	< 0.416	0.0038	< 0.0020	
	5/15/2017	< 0.0030	0.020	0.029	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.64	< 0.00050	< 0.010	< 0.00020	0.047	0.425	0.023	< 0.0020	
	7/5/2017	< 0.0030	0.0094	0.031	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.42	< 0.00050	< 0.010	< 0.00020	0.047	< 0.295	0.017	< 0.0020	
	9/14/2017	< 0.0030	0.012	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.44	< 0.00050	< 0.010	< 0.00020	0.049	0.769	0.0052	< 0.0020	
	11/27/2017	< 0.0030	0.011	0.022	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.62	< 0.00050	< 0.010	< 0.00020	0.048	< 0.442	< 0.0025	< 0.0020	
	5/14/2019	< 0.0030	0.0094	0.013	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.0	< 0.00050	< 0.010	< 0.00020	0.069	0.370	< 0.0025	< 0.0020	
	5/5/2021	< 0.0030	0.0080	0.030	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.72	< 0.00050	< 0.010	< 0.00020	0.023	0.970	< 0.0025	< 0.0020	
	8/18/2021	< 0.0030	0.0088	0.029	< 0.0010	< 0.00050	< 0.0050	^+ < 0.0010	0.50	< 0.00050	< 0.010	< 0.00020	0.021	< 0.525	< 0.0025	^+ < 0.0020	
	11/3/2021	< 0.0030	0.0090	0.025	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.63	< 0.00050	^+ < 0.010	< 0.00020	0.030	0.763	< 0.0025	< 0.0020	
	2/8/2022	< 0.0030	0.021	0.025	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.50	0.00069	0.0055	< 0.00020	0.028	0.640	< 0.0025	< 0.0020	
	5/23/2022	< 0.0030	0.020	0.030	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.46	< 0.00050	< 0.010	< 0.00020	0.024	0.660	0.0035	< 0.0020	
	8/22/2022	< 0.0030	0.011	0.024	^1- < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.28	< 0.00050	< 0.010	< 0.00020	0.029	< 0.400	< 0.0025	< 0.0020	
	11/7/2022	< 0.0030	0.013	0.033	^1+ ^+ 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	< 0.00050	< 0.010	< 0.00020	0.028	1.47	< 0.0025	< 0.0020	
	2/13/2023	< 0.0030	0.0086	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.34	< 0.00050	< 0.010	< 0.00020	0.022	0.640	0.0042	< 0.0020	
	5/8/2023	< 0.0030	0.0090	0.027	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.39	< 0.00050	< 0.010	< 0.00020	0.030	< 0.659	0.0038	< 0.0020	
	8/7/2023	< 0.0030	0.0089	0.022	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	< 0.00050	< 0.010	< 0.00020	0.032	< 0.588	< 0.0025	< 0.0020	
	11/28/2023	< 0.0030	0.0082	0.021	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.36	< 0.00050	< 0.010	< 0.00020	0.017	< 0.557	0.0054	< 0.0020	
	2/5/2024	^1+ < 0.0030	0.0086	0.024	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.49	< 0.00050	< 0.10	0.00140	0.019	0.981	0.0040	< 0.0020	
	5/20/2024	< 0.0030	0.0087	0.057	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.24	< 0.00050	< 0.010	< 0.00020	0.017	0.628	0.015	< 0.0020	
	8/12/2024	< 0.0030	0.0079	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.47	< 0.00050	< 0.010	< 0.00020	0.029	< 0.638	0.0063	< 0.0020	
	11/1/2024	< 0.0030	0.0090	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.39	< 0.00050	< 0.010	< 0.00020	0.022	< 0.651	< 0.0025	< 0.0020	
	2/3/2025	< 0.0030	0.010	0.016	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.44	< 0.00050	< 0.010	< 0.00020	0.023	< -0.0401	< 0.0025	< 0.0020	
	5/12/2025	< 0.0030	0.0087	0.020	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.39	< 0.00050	< 0.010	< 0.00020	0.031	0.640	< 0.0025	< 0.0020	
		GWPS	0.006	29.68	2.0	0.004	0.005	15.1	0.006	4.0	0.015	0.04	0.002	0.1	5.0	0.05	0.002
		8/4/2025	< 0.0030	0.0084	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.56	< 0.00050	< 0.010	< 0.00020	0.031	< 0.396	< 0.0025	< 0.0020
		11/17/2025	< 0.0030	0.0095	0.010	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.68	< 0.00050	< 0.010	< 0.00020	0.041	1.07	< 0.0025	< 0.0020
MW-03 downgradient	11/2/2015	< 0.0030	0.0068	0.011	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.51	< 0.00050	< 0.010	< 0.00020	0.037	0.071	< 0.0025	< 0.0020	
	3/1/2016	< 0.0030	0.0069	0.015	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.33	< 0.00050	< 0.010	< 0.00020	0.056	< 0.332	0.0043	< 0.0020	
	5/4/2016	< 0.0030	0.0070	0.011	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.56	< 0.00050	< 0.010	< 0.00020	0.058	< 0.480	< 0.0025	< 0.0020	
	8/24/2016	< 0.0030	0.010	0.0069	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.30	< 0.00050	< 0.010	< 0.00020	0.042	< 0.428	< 0.0025	< 0.0020	
	12/5/2016	< 0.0030	0.0065	0.0094	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.41	< 0.00050	< 0.010	< 0.00020	0.044	< 0.526	< 0.0025	< 0.0020	
	2/21/2017	< 0.0030	0.011	0.0067	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.33	< 0.00050	< 0.010	< 0.00020	0.043	0.437	< 0.0025	< 0.0020	
	5/16/2017	< 0.0030	0.0087	0.039	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.27	< 0.00050	< 0.010	< 0.00020	0.041	< 0.461	0.014	< 0.0020	
	7/5/2017	< 0.0030	0.0029	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.28	< 0.00050	< 0.010	< 0.00020	0.058	< 0.304	0.0045	< 0.0020	
	9/14/2017	< 0.0030	0.0024	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.26	< 0.00050	< 0.010	< 0.00020	0.056	< 0.462	0.0081	< 0.0020	
	11/28/2017	< 0.0030	0.0025	0.016	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.56	< 0.00050	< 0.010	< 0.00020	0.057	1.17	< 0.0025	< 0.0020	
	5/14/2019	< 0.0030	0.0059	0.022	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.59	< 0.00050	< 0.010	< 0.00020	0.053	0.657	0.0061	< 0.0020	
	5/5/2021	< 0.0030	0.0066	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	< 0.010	< 0.00020	0.				

Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
MW-04 downgradient	11/3/2015	< 0.0030	0.0066	0.032	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.51	< 0.00050	< 0.010	< 0.00020	0.031	0.2732	< 0.0025	< 0.0020	
	3/1/2016	< 0.0030	0.0083	0.033	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.50	< 0.00050	< 0.010	< 0.00020	0.048	0.478	< 0.0025	< 0.0020	
	5/4/2016	< 0.0030	0.0083	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.61	< 0.00050	< 0.010	< 0.00020	0.046	< 0.542	< 0.0025	< 0.0020	
	8/24/2016	< 0.0030	0.0099	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.56	< 0.00050	< 0.010	< 0.00020	0.049	< 0.461	< 0.0025	< 0.0020	
	12/5/2016	< 0.0030	0.019	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.21	< 0.00050	< 0.010	< 0.00020	0.0097	1.04	0.020	< 0.0020	
	2/22/2017	< 0.0030	0.036	0.093	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.17	< 0.00050	< 0.010	< 0.00020	0.015	0.886	0.0042	< 0.0020	
	5/16/2017	< 0.0030	0.024	0.072	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.32	< 0.00050	< 0.010	< 0.00020	0.017	0.550	0.032	< 0.0020	
	7/5/2017	< 0.0030	0.0034	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	< 0.00050	< 0.010	< 0.00020	0.017	0.515	0.062	< 0.0020	
	9/14/2017	< 0.0030	0.0028	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.28	< 0.00050	< 0.010	< 0.00020	0.021	0.794	0.026	< 0.0020	
	11/28/2017	< 0.0030	0.0027	0.053	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.28	< 0.00050	< 0.010	< 0.00020	0.032	0.872	0.0069	< 0.0020	
	5/14/2019	< 0.0030	0.0026	0.039	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.64	< 0.00050	< 0.010	< 0.00020	0.070	0.690	0.0040	< 0.0020	
	5/5/2021	< 0.0030	0.0069	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.91	< 0.00050	< 0.010	< 0.00020	0.056	< 0.781	0.0041	< 0.0020	
	8/18/2021	< 0.0030	0.0052	0.041	< 0.0010	< 0.00050	< 0.0050	^+ < 0.0010	0.80	< 0.00050	< 0.010	0.00031	0.045	0.523	< 0.0025	^+ < 0.0020	
	11/3/2021	< 0.0030	0.0094	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.99	< 0.00050	^+ < 0.010	< 0.00020	0.040	0.572	< 0.0025	< 0.0020	
	2/8/2022	< 0.0030	0.024	0.057	< 0.0010	< 0.00050	< 0.0050	0.0011	0.66	< 0.00050	0.0076	< 0.00020	0.014	1.21	< 0.0025	< 0.0020	
	5/23/2022	< 0.0030	0.012	0.038	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.61	< 0.00050	< 0.010	< 0.00020	0.019	0.598	< 0.0025	< 0.0020	
	8/22/2022	< 0.0030	0.0070	0.043	^1- < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.55	< 0.00050	< 0.010	< 0.00020	0.025	0.618	0.011	< 0.0020	
	11/7/2022	< 0.0030	0.0073	0.026	^1+ ^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.62	0.00480	< 0.010	< 0.00020	0.026	1.85	< 0.0025	< 0.0020	
	2/13/2023	< 0.0030	0.0083	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.36	< 0.00050	< 0.010	< 0.00020	0.021	0.489	0.0062	< 0.0020	
	5/9/2023	< 0.0030	0.0073	0.049	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.38	< 0.00050	< 0.010	< 0.00020	0.034	< 0.549	0.0072	< 0.0020	
	8/8/2023	< 0.0030	0.0088	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	< 0.00050	< 0.010	< 0.00020	0.041	0.807	< 0.0025	< 0.0020	
	11/27/2023	< 0.0030	0.0089	0.023	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.37	< 0.00050	< 0.010	< 0.00020	0.062	0.642	< 0.0025	< 0.0020	
	2/5/2024	^1+ < 0.0030	0.0078	0.034	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.46	< 0.00050	< 0.10	< 0.00020	0.037	< 0.474	0.0081	< 0.0020	
	5/21/2024	< 0.0030	0.0060	0.028	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	< 0.00050	< 0.010	< 0.00020	0.041	< 0.526	0.0045	< 0.0020	
	8/12/2024	< 0.0030	0.0033	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.35	< 0.00050	< 0.010	< 0.00020	0.026	< 0.821	0.020	< 0.0020	
	11/11/2024	< 0.0030	0.011	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.41	< 0.00050	< 0.010	< 0.00020	0.070	< 0.632	< 0.0025	< 0.0020	
	2/5/2025	< 0.0030	0.012	0.025	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.60	< 0.00050	< 0.010	< 0.00020	0.077	< 0.142	< 0.0025	< 0.0020	
	5/12/2025	< 0.0030	0.0092	0.014	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.67	< 0.00050	< 0.010	< 0.00020	0.044	< 0.276	0.0042	< 0.0020	
		GWPS	0.006	29.68	2.0	0.004	0.005	15.1	0.006	4.0	0.015	0.04	0.002	0.1	5.0	0.05	0.002
		8/4/2025	< 0.0030	0.010	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.56	< 0.00050	< 0.010	< 0.00020	0.054	< 0.454	< 0.0025	< 0.0020
		11/17/2025	< 0.0030	0.012	0.0081	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.83	0.00096	< 0.010	< 0.00020	0.099	0.889	< 0.0025	< 0.0020
MW-16 downgradient	11/3/2015	< 0.0030	0.0010	0.047	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.43	< 0.00050	0.071	< 0.00020	0.021	0.865	0.0074	< 0.0020	
	3/2/2016	< 0.0030	0.0015	0.035	< 0.0010	0.0010	< 0.0050	< 0.0010	0.35	< 0.00050	0.13	< 0.00020	0.013	< 0.396	0.0052	0.0020	
	5/2/2016	< 0.0030	0.0011	0.052	< 0.0010	0.00053	< 0.0050	< 0.0010	0.49	< 0.00050	0.024	< 0.00020	0.014	0.696	< 0.0025	< 0.0020	
	8/24/2016	< 0.0030	< 0.0010	0.028	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.71	< 0.00050	0.014	< 0.00020	0.022	< 0.462	< 0.0025	< 0.0020	
	12/5/2016	< 0.0030	0.036	0.062	< 0.0010	< 0.00050	< 0.0050	0.0012	0.51	0.00054	0.011	< 0.00020	0.021	0.791	< 0.0025	< 0.0020	
	2/24/2017	< 0.0030	0.027	0.067	< 0.0010	< 0.00050	0.0050	0.0011	0.20	< 0.00050	0.012	< 0.00020	0.023	0.54	0.0037	< 0.0020	
	5/16/2017	< 0.0030	0.043	0.045	^ < 0.0010	0.0043	0.0076	< 0.0010	0.15	0.00057	0.13	< 0.00020	0.016	0.441	0.016	0.0021	
	7/6/2017	< 0.0030	0.0029	0.029	< 0.0010	0.00069	< 0.0050	< 0.0010	0.57	< 0.00050	0.017	< 0.00020	0.017	< 0.382	< 0.0025	< 0.0020	
	9/13/2017	< 0.0030	< 0.0010	0.024	< 0.0010	0.00050	< 0.0050	< 0.0010	0.61	< 0.00050	< 0.010	< 0.00020	0.024	< 0.335	< 0.0025	< 0.0020	
	11/27/2017	< 0.0030	0.0031	0.026	^ < 0.0010	0.00097	< 0.0050	< 0.0010	0.71	< 0.00050	0.010	< 0.00020	0.026	0.557	< 0.0025	< 0.0020	
	5/15/2019	< 0.0030	0.0011	0.029	< 0.0010	0.0030	< 0.0050	< 0.0010	0.31	< 0.00050	0.15	< 0.00020	0.0086	< 0.491	0.0039	< 0.0020	
	5/6/2021	< 0.0030	< 0.0010	0.024	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.68	< 0.00050	0.014	< 0.00020	0.019	< 0.919	< 0.0025	< 0.0020	
	8/18/2021	< 0.0030	< 0.0010	0.024													

ATTACHMENT 1

**Alternate Source Demonstration Re-Evaluation – CCR
Groundwater Monitoring Waukegan Station (June 17, 2025)**



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

ALTERNATE SOURCE DEMONSTRATION RE-EVALUATION
CCR GROUNDWATER MONITORING
WAUKEGAN GENERATING STATION

June 17, 2025

Ms. Sharene Shealey
Midwest Generation, LLC
529 E. Romeo Road
Romeoville, IL 60446

VIA E-MAIL

Re: Alternate Source Demonstration Re-Evaluation - pH
Waukegan Generating Station – Ash Impoundments

Dear Ms. Shealey:

In an Alternate Source Demonstration Report dated April 12, 2018, elevated pH in downgradient monitoring wells MW-01 and MW-02 on the downgradient, east-northeast side of the regulated Coal Combustion Residual (CCR) units identified as the West and East Ash Ponds, was determined to be related to another localized source and not leakage from the regulated units. This was based on Leaching Environmental Assessment Framework (LEAF) test analysis of representative ash samples from the impoundments along with water chemistry from the liquids used to sluice the ash to the impoundments. Since that time, conditions have changed. Ash was removed from the West Ash Pond in the Summer of 2021 as part of routine operations with only the East Ash Pond remaining operational at that time. The Waukegan Station coal-fired generation operations then ceased and ash stopped being sluiced to the East Ash Pond in June 2022. The East Ash Pond was used for storm water collection until 2024, which has now also been ceased as part of plant decommissioning. The only water entering either pond at this time is through direct precipitation. With this change in pond conditions, elevated pH levels in the downgradient monitoring well MW-01 have slightly improved and reviewing the historic pH data; however, the elevated pH conditions at wells MW-02 and MW-03 have persisted. As such, based on the noted change in operating conditions, an update of the initial determination was requested by Midwest Generation, LLC.

This report summarizes the results of this updated Alternate Source Demonstration completed for the Waukegan Station West and East Ash Ponds in accordance with 40 CFR 257.94(e)(2). With the change in operating conditions, this evaluation used the Synthetic

Precipitation Leaching Procedure (SPLP) rather than the LEAF Test since the only liquid coming into contact with ash at this time is precipitation. The report is structured to provide a documentation of additional field investigation activities, an evaluation of the new data generated and conclusions/recommendations.

DOCUMENTATION OF FIELD ACTIVITIES

To assist in evaluating a potential alternate source, three representative ash samples (EAP-1 through EAP-3) were collected from the East Ash Pond from locations nearest the three downgradient monitoring wells MW-01, MW-02 and MW-03 as shown on Figure 1. Samples were collected using a stainless-steel hand auger, with auguring down to approximately 2.5 to 3 feet at which point a grab sample of ash was collected. The hand auger was cleaned between each use using an Alconox solution wash and distilled water rinse. Collected samples were placed directly into laboratory prepared containers. The samples were shipped on ice to the analytical laboratory under a completed chain-of-custody. The ash samples were analyzed for pH (Method SW846 9045D) and SPLP pH (Method SW846 9040B). It is noted that the lab indicated that the leachate pH was measured past holding times, however, discussions with the lab indicate the values should be conservative. The analytical data package is provided in Attachment 1.

DATA EVALUATION

The ash pH ranged from 8.4 to 11.1 standard units (s.u.). The results of the SPLP testing are as follows:

Sample	Ash pH*	SPLP Leachate pH*
EAP-1	8.4	8.6
EAP-2	11.1	10.6
EAP-3	10.7	10.8

* - Standard Units

The range of pH measured in the field at each well over the last four quarters (2nd quarter 2024 thru 1st quarter 2025) was:

- Well MW-01: 7.4 – 8.65 s.u.
- Well MW-02: 7.02 – 8.12 s.u.
- Well MW-03: 7.51 – 10.24 s.u.

It is noted that the initial pH measurement for MW-03 for the 1st quarter 2025 sampling was 11.08. A subsequent confirmation measurement recorded for this well on April 23, 2025 was 9.97.

Comparing the ash SPLP leachate values with the recent pH range for each nearby monitoring well it is noted that slightly lower pH levels were measured in the comparable monitoring wells.

CONCLUSIONS/RECOMMENDATIONS

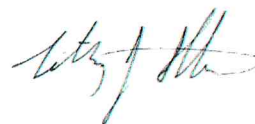
Based on the data presentation provided above, the last four quarters of pH range noted in groundwater samples from monitoring wells MW-01 through MW-03 is similar but slightly lower than the SPLP leachate pH range. Although this is not conclusive of a release from the impoundment, based upon the information the elevated pH cannot be attributed to an alternate source.

Based on this conclusion, it is recommended to move the Federal CCR groundwater monitoring program from detection monitoring under Section 257.94 to assessment monitoring under Section 257.95. Therefore, the next scheduled round of groundwater monitoring, which will be for the third quarter 2025, but no more than 90 days from the completion of this ASD, should include the full list of Appendix III and Appendix IV parameters.

Sincerely,
KPRG and Associates, Inc.



Richard R. Gnat, P.G.
Principal



Timothy J. Stohner, P.E.
Project Manager/Sr. Engineer

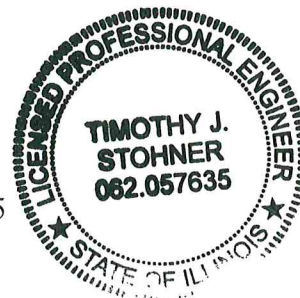
cc: David Bacher, NRG
Jill Buckley, Midwest Generation, LLC
Mark Wehling, Midwest Generation, LLC

CERTIFICATION

In accordance with Section 257.94(e)(2) of the CCR Rule, I hereby certify based on a review of the information contained within this CCR Alternate Source Demonstration dated June 17, 2025, that the information contained in this report is accurate to the best of my knowledge.

Certified by:
Date: June 17, 2025

Timothy Stohner, P.E.
Illinois Professional Engineer Registration No.: 062.057635
KPRG and Associates, Inc.



FIGURE



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

ASH SAMPLING LOCATIONS

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 550'

Date: June 10, 2025

KPRG Project No. 13524

FIGURE 1

ATTACHMENT 1
Analytical Data Package

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 5/28/2025 2:02:33 PM

JOB DESCRIPTION

Waukegan Station

JOB NUMBER

500-268395-1

Eurofins Chicago

Job Notes

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

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

Authorization



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5/28/2025 2:02:33 PM

Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570

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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan Station

Job ID: 500-268395-1

Job ID: 500-268395-1

Eurofins Chicago

Job Narrative 500-268395-1

Receipt

The samples were received on 5/15/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

General Chemistry

Method 9040B - SPLP East: RPD% was outside of acceptance criteria.

(500-268395-B-1-A DU)

Method 9040B - SPLP East: The following samples were analyzed outside of analytical holding time due to leaching procedure being performed past hold, sample had to be re-tumbled which resulted in expired hold time of 7 days: EAP-1 (500-268395-1), EAP-2 (500-268395-2) and EAP-3 (500-268395-3)

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

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Method	Method Description	Protocol	Laboratory
9040B	pH	SW846	EET CHI
9045D	pH	SW846	EET CHI
1312	SPLP Extraction	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-268395-1	EAP-1	Solid	05/14/25 12:12	05/15/25 09:40
500-268395-2	EAP-2	Solid	05/14/25 13:20	05/15/25 09:40
500-268395-3	EAP-3	Solid	05/14/25 13:30	05/15/25 09:40

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Client Sample ID: EAP-1

Date Collected: 05/14/25 12:12

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-1

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.2	0.2	SU			05/16/25 11:56	1

General Chemistry - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040B)	8.6	H	0.1	0.1	SU			05/28/25 10:42	1

Client Sample ID: EAP-2

Date Collected: 05/14/25 13:20

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-2

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.1		0.2	0.2	SU			05/16/25 11:58	1

General Chemistry - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040B)	10.6	H	0.1	0.1	SU			05/28/25 10:49	1

Client Sample ID: EAP-3

Date Collected: 05/14/25 13:30

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-3

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.7		0.2	0.2	SU			05/16/25 12:05	1

General Chemistry - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040B)	10.8	H	0.1	0.1	SU			05/28/25 10:53	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

General Chemistry

Prep Batch: 2

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-2/1-A	Method Blank	SPLP East	Solid	1664A	

Analysis Batch: 818036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268395-1	EAP-1	Total/NA	Solid	9045D	
500-268395-2	EAP-2	Total/NA	Solid	9045D	
500-268395-3	EAP-3	Total/NA	Solid	9045D	
LCS 500-818036/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-818036/3	Lab Control Sample Dup	Total/NA	Solid	9045D	
500-268395-3 DU	EAP-3	Total/NA	Solid	9045D	

Leach Batch: 818859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268395-1	EAP-1	SPLP East	Solid	1312	
500-268395-2	EAP-2	SPLP East	Solid	1312	
500-268395-3	EAP-3	SPLP East	Solid	1312	
LB 500-818859/1-A	Method Blank	SPLP East	Solid	1312	
500-268395-1 DU	EAP-1	SPLP East	Solid	1312	
500-268395-2 DU	EAP-2	SPLP East	Solid	1312	
500-268395-3 DU	EAP-3	SPLP East	Solid	1312	

Analysis Batch: 819293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268395-1	EAP-1	SPLP East	Solid	9040B	818859
500-268395-2	EAP-2	SPLP East	Solid	9040B	818859
500-268395-3	EAP-3	SPLP East	Solid	9040B	818859
LB 500-818859/1-A	Method Blank	SPLP East	Solid	9040B	818859
MB 500-2/1-A	Method Blank	SPLP East	Solid	9040B	2
500-2-A-1-A LCS	Lab Control Sample	Total/NA	Solid	9040B	
500-2-A-1-A LCSD	Lab Control Sample Dup	Total/NA	Solid	9040B	
500-268395-1 DU	EAP-1	SPLP East	Solid	9040B	818859
500-268395-2 DU	EAP-2	SPLP East	Solid	9040B	818859
500-268395-3 DU	EAP-3	SPLP East	Solid	9040B	818859

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Method: 9040B - pH

Lab Sample ID: MB 500-2/1-A
Matrix: Solid
Analysis Batch: 819293

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 2

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.0		0.1	0.1	SU		10/27/05 18:03	05/28/25 10:32	1

Lab Sample ID: LB 500-818859/1-A
Matrix: Solid
Analysis Batch: 819293

Client Sample ID: Method Blank
Prep Type: SPLP East

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.4		0.1	0.1	SU			05/28/25 10:39	1

Lab Sample ID: 500-268395-1 DU
Matrix: Solid
Analysis Batch: 819293

Client Sample ID: EAP-1
Prep Type: SPLP East

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	8.6	H	9.0	F3	SU		5	2.5

Lab Sample ID: 500-268395-2 DU
Matrix: Solid
Analysis Batch: 819293

Client Sample ID: EAP-2
Prep Type: SPLP East

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	10.6	H	10.6		SU		0	2.5

Lab Sample ID: 500-268395-3 DU
Matrix: Solid
Analysis Batch: 819293

Client Sample ID: EAP-3
Prep Type: SPLP East

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	10.8	H	10.8		SU		0	2.5

Method: 9045D - pH

Lab Sample ID: 500-268395-3 DU
Matrix: Solid
Analysis Batch: 818036

Client Sample ID: EAP-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	10.7		10.7		SU		0.2	5

Chain of Custody Record

[illegible]

PHILIP ALLENSTEIN
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ALINGI 20 00 LB MAN
CAD: 0780307/CAFE3855

P 15944-434 MTR EXP 0 5 *

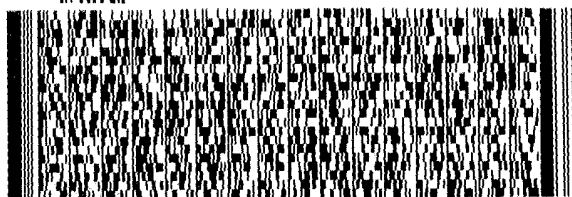
TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 534-5200

REF:

DEPT:

RMA 11111111



FedEx
Express



AN 1090-012403028

FedEx

TRK# 4561 8681 7764
0221

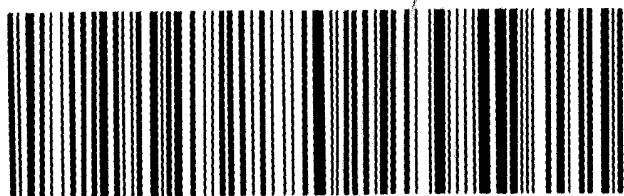
THU - 15 MAY 10:30A
PRIORITY OVERNIGHT

79 JOTA

21-717
304

60487

IL-US **ORD**



15944-434 MTR EXP 11/25



500-268395 Waybi

W5894419 05/14 58GJ4/EA36/59F2

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268395-1

Login Number: 268395

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

Client Sample ID: EAP-1

Date Collected: 05/14/25 12:12

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			818859	JL	EET CHI	05/23/25 15:54 - 05/24/25 09:54 ¹
SPLP East	Analysis	9040B		1	819293	LP	EET CHI	05/28/25 10:42
Total/NA	Analysis	9045D		1	818036	RB	EET CHI	05/16/25 11:56

Client Sample ID: EAP-2

Date Collected: 05/14/25 13:20

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			818859	JL	EET CHI	05/23/25 15:54 - 05/24/25 09:54 ¹
SPLP East	Analysis	9040B		1	819293	LP	EET CHI	05/28/25 10:49
Total/NA	Analysis	9045D		1	818036	RB	EET CHI	05/16/25 11:58

Client Sample ID: EAP-3

Date Collected: 05/14/25 13:30

Date Received: 05/15/25 09:40

Lab Sample ID: 500-268395-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			818859	JL	EET CHI	05/23/25 15:54 - 05/24/25 09:54 ¹
SPLP East	Analysis	9040B		1	819293	LP	EET CHI	05/28/25 10:53
Total/NA	Analysis	9045D		1	818036	RB	EET CHI	05/16/25 12:05

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station

Job ID: 500-268395-1

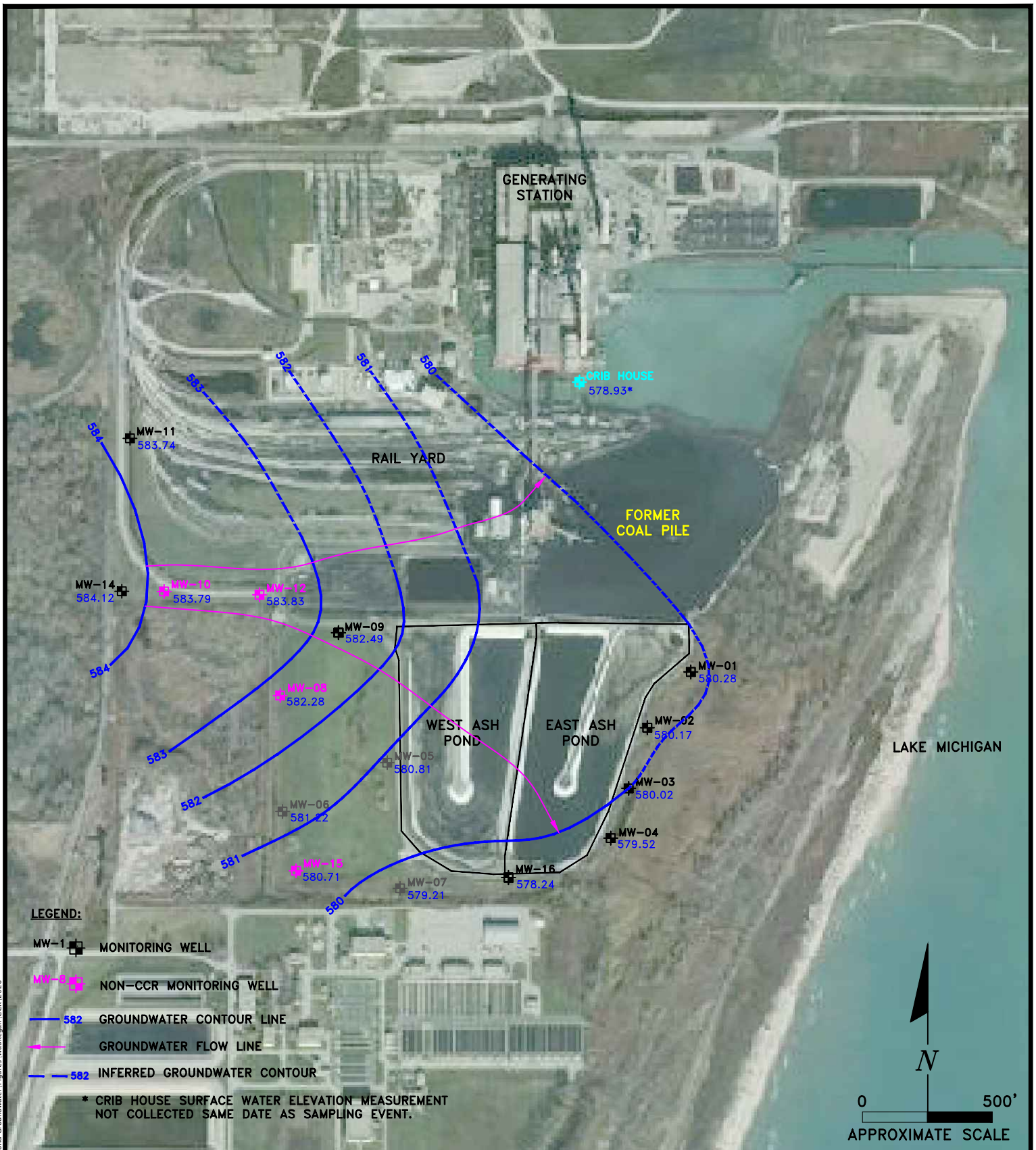
Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-26

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

ATTACHMENT 2
Groundwater Flow Contour Maps



ENVIRONMENTAL CONSULTATION & REMEDIATION

CCR GROUNDWATER CONTOUR MAP 1Q2025

K P R G

KPRG and Associates, inc.

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

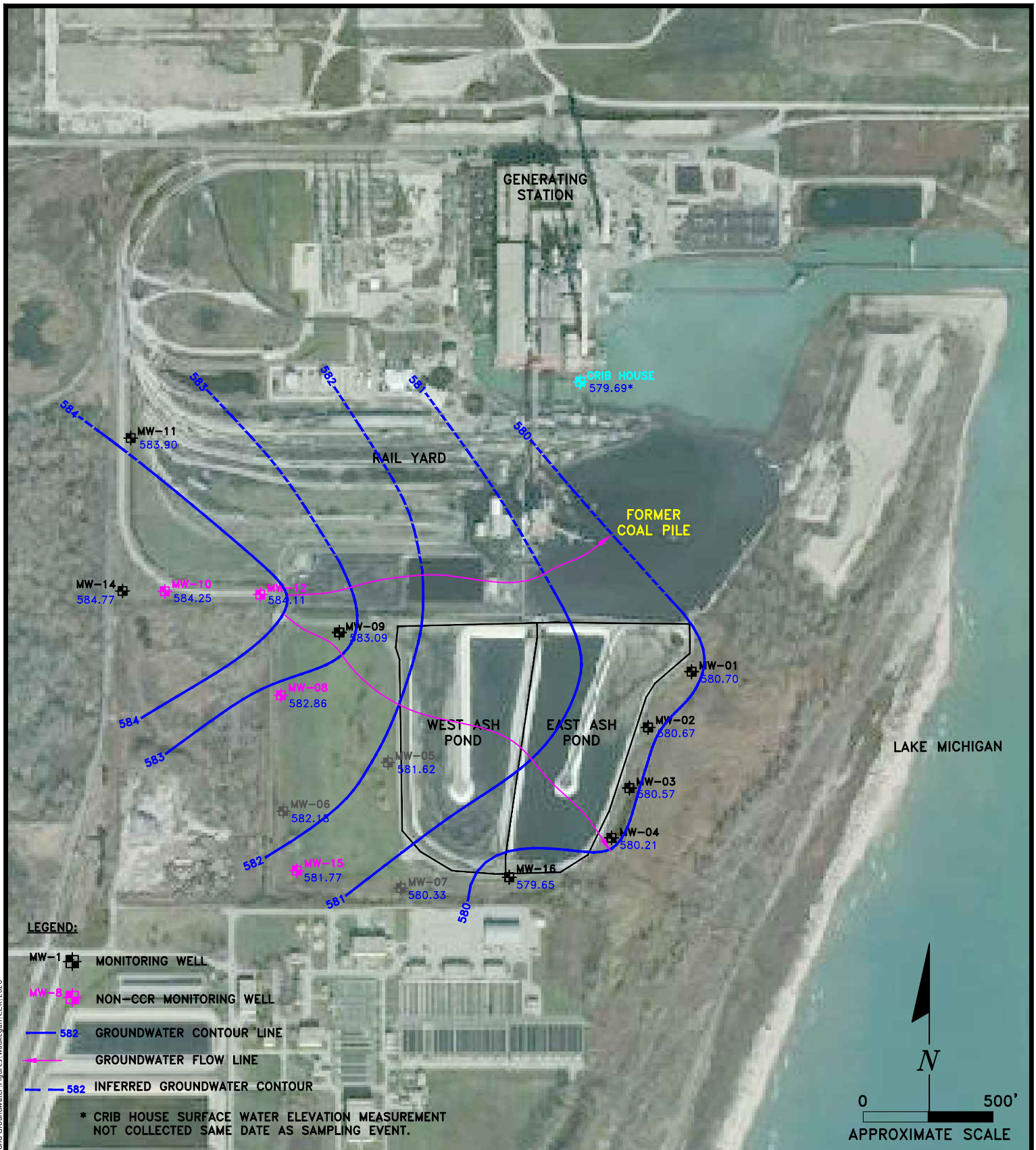
14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

Scale: 1" = 500' Date: January 12, 2026

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

KPRG Project No. 12313.2

ATTACHMENT 2



ENVIRONMENTAL CONSULTATION & REMEDIATION

CCR GROUNDWATER CONTOUR MAP 2Q2025

K P R G

KPRG and Associates, Inc.

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

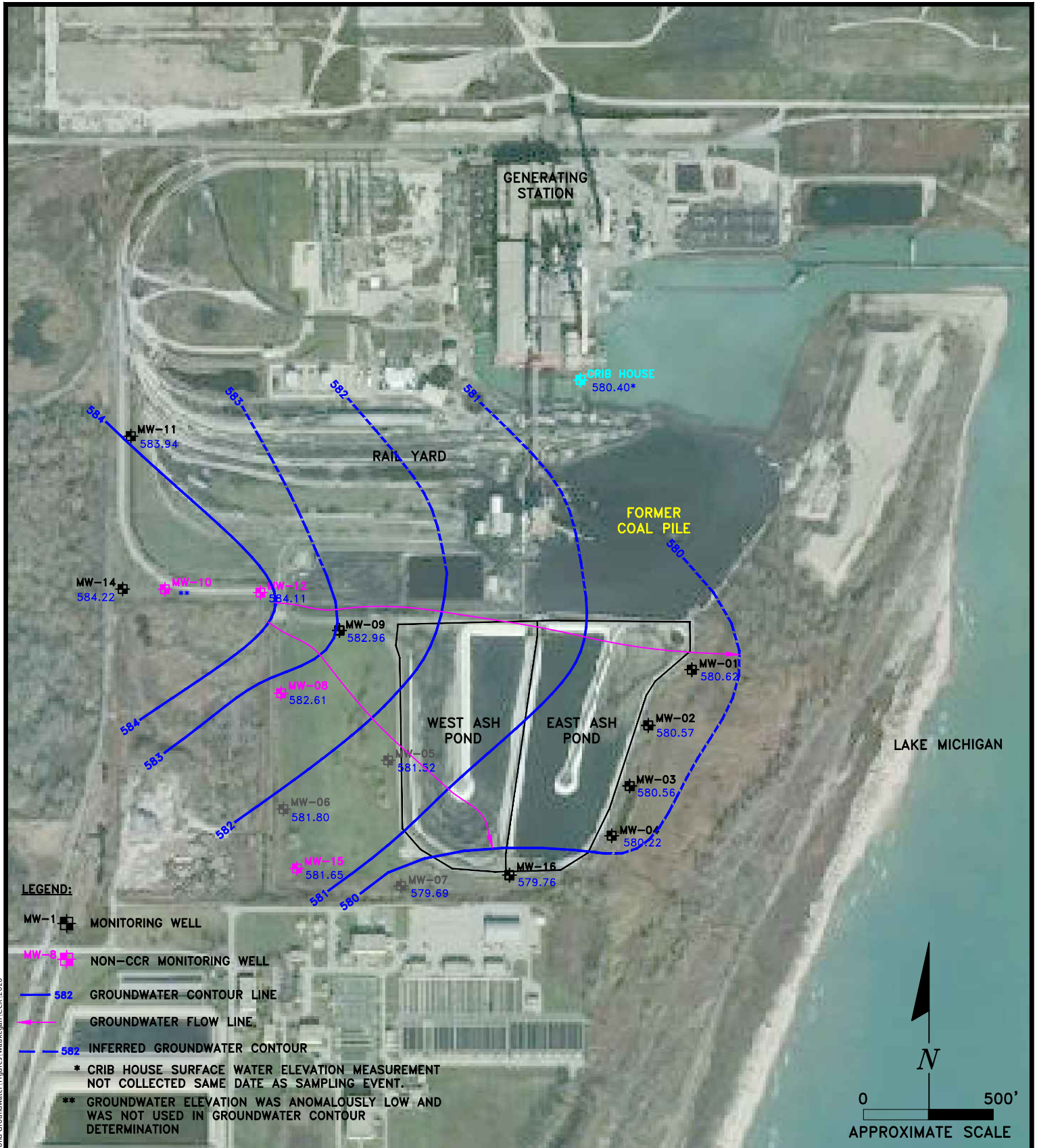
14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

Scale: 1" = 500' Date: January 12, 2026

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

KPRG Project No. 12313.2

ATTACHMENT 2



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

CCR GROUNDWATER CONTOUR MAP 3Q2025

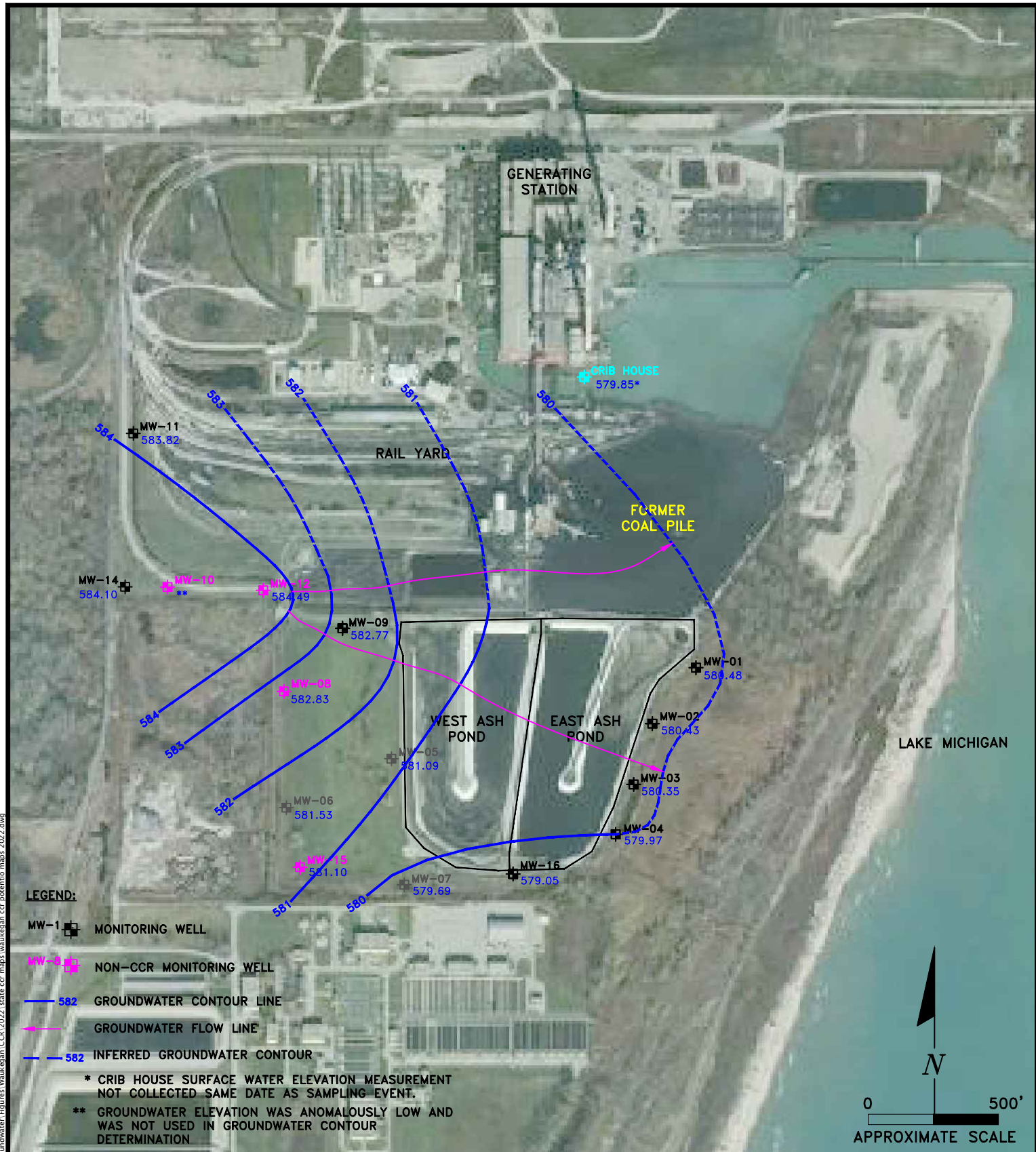
WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 500'

Date: January 12, 2026

KPRG Project No. 12313.2

ATTACHMENT 2



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

14665 West Lisbon Road, Suite 1A Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

CCR GROUNDWATER CONTOUR MAP 4Q2025

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 500'

Date: January 12, 2026

KPRG Project No. 12313.2

ATTACHMENT 2

ATTACHMENT 3
Analytical Data Packages

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 2/13/2025 2:45:15 PM

JOB DESCRIPTION

Waukegan CCR

JOB NUMBER

500-263479-1

Eurofins Chicago

Job Notes

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

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

Authorization



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Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR

Job ID: 500-263479-1

Job ID: 500-263479-1

Eurofins Chicago

Job Narrative 500-263479-1

Receipt

The samples were received on 2/4/2025 9:20 AM, 2/5/2025 9:10 AM and 2/6/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 2.0°C and 4.0°C.

Metals

Method 6020B - Total Recoverable: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11 (500-263479-7). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The linear range check (LRC) recovered outside of control limits for Lithium. Sample results are within the high calibration standard and have been qualified and reported. (LRC 500-805543/14)

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-805543 was above the upper control limit. The affected analyte is: Beryllium. Sample results were non-detects, and have been reported as qualified data.

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

General Chemistry

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

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-263479-1	MW-01	Water	02/03/25 11:50	02/04/25 09:20
500-263479-2	MW-02	Water	02/03/25 12:53	02/04/25 09:20
500-263479-3	MW-03	Water	02/03/25 14:28	02/04/25 09:20
500-263479-4	MW-16	Water	02/03/25 15:56	02/04/25 09:20
500-263479-5	Duplicate	Water	02/03/25 00:00	02/04/25 09:20
500-263479-6	MW-09	Water	02/04/25 13:18	02/05/25 09:10
500-263479-7	MW-11	Water	02/04/25 10:35	02/05/25 09:10
500-263479-8	MW-14	Water	02/04/25 11:54	02/05/25 09:10
500-263479-9	MW-04	Water	02/05/25 12:16	02/06/25 09:05

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-01

Lab Sample ID: 500-263479-1

Date Collected: 02/03/25 11:50

Matrix: Water

Date Received: 02/04/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:18	1
Arsenic	0.019		0.0010		mg/L		02/05/25 08:21	02/07/25 15:18	1
Barium	0.037		0.0025		mg/L		02/05/25 08:21	02/07/25 15:18	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:18	1
Boron	1.8		0.050		mg/L		02/05/25 08:21	02/10/25 13:50	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:18	1
Calcium	66		0.20		mg/L		02/05/25 08:21	02/07/25 15:18	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:18	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:18	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:18	1
Lithium	<0.010		0.010		mg/L		02/05/25 08:21	02/07/25 15:18	1
Molybdenum	0.025		0.0050		mg/L		02/05/25 08:21	02/07/25 15:18	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:18	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	420		10		mg/L			02/05/25 03:07	1
Chloride (SM 4500 Cl- E)	75		4.0		mg/L			02/09/25 12:00	2
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			02/05/25 11:53	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			02/11/25 14:34	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-02

Lab Sample ID: 500-263479-2

Date Collected: 02/03/25 12:53

Matrix: Water

Date Received: 02/04/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:31	1
Arsenic	0.010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:31	1
Barium	0.016		0.0025		mg/L		02/05/25 08:21	02/07/25 15:31	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:31	1
Boron	3.0		0.050		mg/L		02/05/25 08:21	02/10/25 14:08	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:31	1
Calcium	45		0.20		mg/L		02/05/25 08:21	02/07/25 15:31	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:31	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:31	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:31	1
Lithium	<0.010		0.010		mg/L		02/05/25 08:21	02/07/25 15:31	1
Molybdenum	0.023		0.0050		mg/L		02/05/25 08:21	02/07/25 15:31	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:31	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		10		mg/L			02/05/25 03:10	1
Chloride (SM 4500 Cl- E)	75		4.0		mg/L			02/09/25 12:00	2
Fluoride (SM 4500 F C)	0.44		0.10		mg/L			02/05/25 11:57	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			02/05/25 11:30	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-03

Lab Sample ID: 500-263479-3

Date Collected: 02/03/25 14:28

Matrix: Water

Date Received: 02/04/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:33	1
Arsenic	0.033		0.0010		mg/L		02/05/25 08:21	02/07/25 15:33	1
Barium	0.0038		0.0025		mg/L		02/05/25 08:21	02/07/25 15:33	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:33	1
Boron	3.2		0.050		mg/L		02/05/25 08:21	02/10/25 14:12	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:33	1
Calcium	34		0.20		mg/L		02/05/25 08:21	02/07/25 15:33	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:33	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:33	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:33	1
Lithium	<0.010		0.010		mg/L		02/05/25 08:21	02/07/25 15:33	1
Molybdenum	0.035		0.0050		mg/L		02/05/25 08:21	02/07/25 15:33	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:33	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		10		mg/L			02/05/25 03:12	1
Chloride (SM 4500 Cl- E)	69		4.0		mg/L			02/09/25 10:47	2
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			02/05/25 12:02	1
Sulfate (SM 4500 SO4 E)	170		25		mg/L			02/05/25 11:30	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-16

Lab Sample ID: 500-263479-4

Date Collected: 02/03/25 15:56

Matrix: Water

Date Received: 02/04/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:36	1
Arsenic	0.0023		0.0010		mg/L		02/05/25 08:21	02/07/25 15:36	1
Barium	0.051		0.0025		mg/L		02/05/25 08:21	02/07/25 15:36	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:36	1
Boron	3.9		0.050		mg/L		02/05/25 08:21	02/10/25 14:16	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:36	1
Calcium	190		0.20		mg/L		02/05/25 08:21	02/07/25 15:36	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:36	1
Cobalt	0.0020		0.0010		mg/L		02/05/25 08:21	02/07/25 15:36	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:36	1
Lithium	0.018		0.010		mg/L		02/05/25 08:21	02/07/25 15:36	1
Molybdenum	0.015		0.0050		mg/L		02/05/25 08:21	02/07/25 15:36	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:36	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			02/05/25 03:15	1
Chloride (SM 4500 Cl- E)	55		4.0		mg/L			02/09/25 10:47	2
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			02/05/25 12:07	1
Sulfate (SM 4500 SO4 E)	430		50		mg/L			02/05/25 11:28	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: Duplicate

Lab Sample ID: 500-263479-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:44	1
Arsenic	0.033		0.0010		mg/L		02/05/25 08:21	02/07/25 15:44	1
Barium	0.0039		0.0025		mg/L		02/05/25 08:21	02/07/25 15:44	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:44	1
Boron	3.1		0.050		mg/L		02/05/25 08:21	02/10/25 14:30	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:44	1
Calcium	36		0.20		mg/L		02/05/25 08:21	02/07/25 15:44	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:44	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:44	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:44	1
Lithium	<0.010		0.010		mg/L		02/05/25 08:21	02/07/25 15:44	1
Molybdenum	0.035		0.0050		mg/L		02/05/25 08:21	02/07/25 15:44	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:44	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	430		10		mg/L			02/05/25 03:18	1
Chloride (SM 4500 Cl- E)	68		4.0		mg/L			02/09/25 10:47	2
Fluoride (SM 4500 F C)	0.45		0.10		mg/L			02/06/25 13:12	1
Sulfate (SM 4500 SO4 E)	170		25		mg/L			02/11/25 14:33	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-09

Lab Sample ID: 500-263479-6

Date Collected: 02/04/25 13:18

Matrix: Water

Date Received: 02/05/25 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:44	1
Arsenic	0.0077		0.0010		mg/L		02/05/25 14:45	02/06/25 11:44	1
Barium	0.070		0.0025		mg/L		02/05/25 14:45	02/06/25 11:44	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:44	1
Boron	2.9		0.050		mg/L		02/05/25 14:45	02/06/25 11:44	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:44	1
Calcium	130		0.20		mg/L		02/05/25 14:45	02/06/25 11:44	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:44	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:44	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:44	1
Lithium	0.051	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:44	1
Molybdenum	0.053		0.0050		mg/L		02/05/25 14:45	02/06/25 11:44	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:44	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	890		10		mg/L			02/07/25 01:33	1
Chloride (SM 4500 Cl- E)	160		10		mg/L			02/09/25 10:46	5
Fluoride (SM 4500 F C)	0.27		0.10		mg/L			02/06/25 13:17	1
Sulfate (SM 4500 SO4 E)	180		25		mg/L			02/11/25 14:35	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-11

Lab Sample ID: 500-263479-7

Date Collected: 02/04/25 10:35

Matrix: Water

Date Received: 02/05/25 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:47	1
Arsenic	8.3		0.0050		mg/L		02/05/25 14:45	02/06/25 12:45	5
Barium	0.28		0.0025		mg/L		02/05/25 14:45	02/06/25 11:47	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:47	1
Boron	1.9		0.050		mg/L		02/05/25 14:45	02/06/25 11:47	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:47	1
Calcium	140		0.20		mg/L		02/05/25 14:45	02/06/25 11:47	1
Chromium	0.017		0.0050		mg/L		02/05/25 14:45	02/06/25 11:47	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:47	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:47	1
Lithium	0.029	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:47	1
Molybdenum	0.012		0.0050		mg/L		02/05/25 14:45	02/06/25 11:47	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:47	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	670		10		mg/L			02/07/25 01:41	1
Chloride (SM 4500 Cl- E)	130		10		mg/L			02/09/25 10:45	5
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			02/06/25 13:22	1
Sulfate (SM 4500 SO4 E)	55		10		mg/L			02/11/25 14:35	2

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-14

Lab Sample ID: 500-263479-8

Date Collected: 02/04/25 11:54

Matrix: Water

Date Received: 02/05/25 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:49	1
Arsenic	2.5		0.0010		mg/L		02/05/25 14:45	02/06/25 11:49	1
Barium	0.052		0.0025		mg/L		02/05/25 14:45	02/06/25 11:49	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:49	1
Boron	0.47		0.050		mg/L		02/05/25 14:45	02/06/25 11:49	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:49	1
Calcium	130		0.20		mg/L		02/05/25 14:45	02/06/25 11:49	1
Chromium	0.61		0.0050		mg/L		02/05/25 14:45	02/06/25 11:49	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:49	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:49	1
Lithium	0.013	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:49	1
Molybdenum	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:49	1
Selenium	0.0027		0.0025		mg/L		02/05/25 14:45	02/06/25 11:49	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10		mg/L			02/07/25 01:46	1
Chloride (SM 4500 Cl- E)	47		2.0		mg/L			02/09/25 10:22	1
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			02/06/25 13:26	1
Sulfate (SM 4500 SO4 E)	15		5.0		mg/L			02/11/25 14:11	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-04

Lab Sample ID: 500-263479-9

Date Collected: 02/05/25 12:16

Matrix: Water

Date Received: 02/06/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/06/25 15:15	02/07/25 15:00	1
Arsenic	0.012		0.0010		mg/L		02/06/25 15:15	02/07/25 15:00	1
Barium	0.025		0.0025		mg/L		02/06/25 15:15	02/07/25 15:00	1
Beryllium	<0.0010		0.0010		mg/L		02/06/25 15:15	02/07/25 15:00	1
Boron	2.6		0.050		mg/L		02/06/25 15:15	02/10/25 18:13	1
Cadmium	<0.00050		0.00050		mg/L		02/06/25 15:15	02/07/25 15:00	1
Calcium	46		0.20		mg/L		02/06/25 15:15	02/07/25 15:00	1
Chromium	<0.0050		0.0050		mg/L		02/06/25 15:15	02/07/25 15:00	1
Cobalt	<0.0010		0.0010		mg/L		02/06/25 15:15	02/07/25 15:00	1
Lead	<0.00050		0.00050		mg/L		02/06/25 15:15	02/07/25 15:00	1
Lithium	<0.010		0.010		mg/L		02/06/25 15:15	02/07/25 15:00	1
Molybdenum	0.077		0.0050		mg/L		02/06/25 15:15	02/07/25 15:00	1
Selenium	<0.0025		0.0025		mg/L		02/06/25 15:15	02/07/25 15:00	1
Thallium	<0.0020		0.0020		mg/L		02/06/25 15:15	02/07/25 15:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			02/10/25 22:46	1
Chloride (SM 4500 Cl- E)	88		10		mg/L			02/09/25 10:48	5
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			02/07/25 11:45	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			02/12/25 14:48	5

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Metals

Prep Batch: 805323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total Recoverable	Water	3005A	
500-263479-2	MW-02	Total Recoverable	Water	3005A	
500-263479-3	MW-03	Total Recoverable	Water	3005A	
500-263479-4	MW-16	Total Recoverable	Water	3005A	
500-263479-5	Duplicate	Total Recoverable	Water	3005A	
MB 500-805323/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-805323/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-263479-1 MS	MW-01	Total Recoverable	Water	3005A	
500-263479-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-263479-1 DU	MW-01	Total Recoverable	Water	3005A	

Prep Batch: 805432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-6	MW-09	Total Recoverable	Water	3005A	
500-263479-7	MW-11	Total Recoverable	Water	3005A	
500-263479-8	MW-14	Total Recoverable	Water	3005A	
MB 500-805432/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-805432/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 805543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-6	MW-09	Total Recoverable	Water	6020B	805432
500-263479-7	MW-11	Total Recoverable	Water	6020B	805432
500-263479-7	MW-11	Total Recoverable	Water	6020B	805432
500-263479-8	MW-14	Total Recoverable	Water	6020B	805432
MB 500-805432/1-A	Method Blank	Total Recoverable	Water	6020B	805432
LCS 500-805432/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805432

Prep Batch: 805549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total Recoverable	Water	3005A	
MB 500-805549/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-805549/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 805560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	7470A	
500-263479-2	MW-02	Total/NA	Water	7470A	
500-263479-3	MW-03	Total/NA	Water	7470A	
500-263479-4	MW-16	Total/NA	Water	7470A	
500-263479-5	Duplicate	Total/NA	Water	7470A	
500-263479-6	MW-09	Total/NA	Water	7470A	
500-263479-7	MW-11	Total/NA	Water	7470A	
500-263479-8	MW-14	Total/NA	Water	7470A	
500-263479-9	MW-04	Total/NA	Water	7470A	
MB 500-805560/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-805560/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 805839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total Recoverable	Water	6020B	805323

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Metals (Continued)

Analysis Batch: 805839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-2	MW-02	Total Recoverable	Water	6020B	805323
500-263479-3	MW-03	Total Recoverable	Water	6020B	805323
500-263479-4	MW-16	Total Recoverable	Water	6020B	805323
500-263479-5	Duplicate	Total Recoverable	Water	6020B	805323
500-263479-9	MW-04	Total Recoverable	Water	6020B	805549
MB 500-805323/1-A	Method Blank	Total Recoverable	Water	6020B	805323
MB 500-805549/1-A	Method Blank	Total Recoverable	Water	6020B	805549
LCS 500-805323/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805323
LCS 500-805549/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805549
500-263479-1 MS	MW-01	Total Recoverable	Water	6020B	805323
500-263479-1 MSD	MW-01	Total Recoverable	Water	6020B	805323
500-263479-1 DU	MW-01	Total Recoverable	Water	6020B	805323

Analysis Batch: 805957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	7470A	805560
500-263479-2	MW-02	Total/NA	Water	7470A	805560
500-263479-3	MW-03	Total/NA	Water	7470A	805560
500-263479-4	MW-16	Total/NA	Water	7470A	805560
500-263479-5	Duplicate	Total/NA	Water	7470A	805560
500-263479-6	MW-09	Total/NA	Water	7470A	805560
500-263479-7	MW-11	Total/NA	Water	7470A	805560
500-263479-8	MW-14	Total/NA	Water	7470A	805560
500-263479-9	MW-04	Total/NA	Water	7470A	805560
MB 500-805560/12-A	Method Blank	Total/NA	Water	7470A	805560
LCS 500-805560/13-A	Lab Control Sample	Total/NA	Water	7470A	805560

Analysis Batch: 806049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total Recoverable	Water	6020B	805323
500-263479-2	MW-02	Total Recoverable	Water	6020B	805323
500-263479-3	MW-03	Total Recoverable	Water	6020B	805323
500-263479-4	MW-16	Total Recoverable	Water	6020B	805323
500-263479-5	Duplicate	Total Recoverable	Water	6020B	805323
500-263479-9	MW-04	Total Recoverable	Water	6020B	805549
MB 500-805323/1-A	Method Blank	Total Recoverable	Water	6020B	805323
MB 500-805549/1-A	Method Blank	Total Recoverable	Water	6020B	805549
LCS 500-805323/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805323
LCS 500-805549/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805549
500-263479-1 MS	MW-01	Total Recoverable	Water	6020B	805323
500-263479-1 MSD	MW-01	Total Recoverable	Water	6020B	805323
500-263479-1 DU	MW-01	Total Recoverable	Water	6020B	805323

General Chemistry

Analysis Batch: 805289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	SM 2540C	
500-263479-2	MW-02	Total/NA	Water	SM 2540C	
500-263479-3	MW-03	Total/NA	Water	SM 2540C	
500-263479-4	MW-16	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

General Chemistry (Continued)

Analysis Batch: 805289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-5	Duplicate	Total/NA	Water	SM 2540C	
MB 500-805289/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-805289/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 805410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-263479-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-263479-4	MW-16	Total/NA	Water	SM 4500 SO4 E	
MB 500-805410/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-805410/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 805483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	SM 4500 F C	
500-263479-2	MW-02	Total/NA	Water	SM 4500 F C	
500-263479-3	MW-03	Total/NA	Water	SM 4500 F C	
500-263479-4	MW-16	Total/NA	Water	SM 4500 F C	
MB 500-805483/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-805483/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 805570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-6	MW-09	Total/NA	Water	SM 2540C	
500-263479-7	MW-11	Total/NA	Water	SM 2540C	
500-263479-8	MW-14	Total/NA	Water	SM 2540C	
MB 500-805570/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-805570/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-263479-6 MS	MW-09	Total/NA	Water	SM 2540C	
500-263479-6 DU	MW-09	Total/NA	Water	SM 2540C	
500-263479-7 DU	MW-11	Total/NA	Water	SM 2540C	

Analysis Batch: 805605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-5	Duplicate	Total/NA	Water	SM 4500 F C	
500-263479-6	MW-09	Total/NA	Water	SM 4500 F C	
500-263479-7	MW-11	Total/NA	Water	SM 4500 F C	
500-263479-8	MW-14	Total/NA	Water	SM 4500 F C	
MB 500-805605/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-805605/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 805714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total/NA	Water	SM 4500 F C	
MB 500-805714/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-805714/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 805828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-263479-2	MW-02	Total/NA	Water	SM 4500 Cl- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

General Chemistry (Continued)

Analysis Batch: 805828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-263479-4	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-263479-5	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-263479-6	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-263479-7	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-263479-8	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-263479-9	MW-04	Total/NA	Water	SM 4500 Cl- E	
MB 500-805828/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-805828/61	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-805828/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-805828/62	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 806006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total/NA	Water	SM 2540C	
MB 500-806006/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-806006/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-263479-9 MS	MW-04	Total/NA	Water	SM 2540C	
500-263479-9 DU	MW-04	Total/NA	Water	SM 2540C	

Analysis Batch: 806251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-263479-5	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-263479-6	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-263479-7	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-263479-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
MB 500-806251/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-806251/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 806336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total/NA	Water	SM 4500 SO4 E	
MB 500-806336/100	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-806336/101	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-805323/1-A
Matrix: Water
Analysis Batch: 805839

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 08:21	02/07/25 15:13	1
Arsenic	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:13	1
Barium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:13	1
Beryllium	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:13	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:13	1
Calcium	<0.20		0.20		mg/L		02/05/25 08:21	02/07/25 15:13	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:13	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 08:21	02/07/25 15:13	1
Lead	<0.00050		0.00050		mg/L		02/05/25 08:21	02/07/25 15:13	1
Lithium	<0.010		0.010		mg/L		02/05/25 08:21	02/07/25 15:13	1
Molybdenum	<0.0050		0.0050		mg/L		02/05/25 08:21	02/07/25 15:13	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 08:21	02/07/25 15:13	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 08:21	02/07/25 15:13	1

Lab Sample ID: MB 500-805323/1-A
Matrix: Water
Analysis Batch: 806049

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 805323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		02/05/25 08:21	02/10/25 13:43	1

Lab Sample ID: LCS 500-805323/2-A
Matrix: Water
Analysis Batch: 805839

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.538		mg/L		108	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.500	0.515		mg/L		103	80 - 120
Beryllium	0.0500	0.0537		mg/L		107	80 - 120
Cadmium	0.0500	0.0533		mg/L		107	80 - 120
Calcium	10.0	8.65		mg/L		87	80 - 120
Chromium	0.200	0.213		mg/L		107	80 - 120
Cobalt	0.500	0.520		mg/L		104	80 - 120
Lead	0.100	0.101		mg/L		101	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-805323/2-A
Matrix: Water
Analysis Batch: 806049

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 805323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.966		mg/L		97	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: 500-263479-1 MS

Matrix: Water

Analysis Batch: 805839

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.556		mg/L		111	75 - 125
Arsenic	0.019		0.100	0.126		mg/L		107	75 - 125
Barium	0.037		0.500	0.557		mg/L		104	75 - 125
Beryllium	<0.0010		0.0500	0.0512		mg/L		102	75 - 125
Cadmium	<0.00050		0.0500	0.0537		mg/L		107	75 - 125
Calcium	66		10.0	77.6	4	mg/L		119	75 - 125
Chromium	<0.0050		0.200	0.212		mg/L		106	75 - 125
Cobalt	<0.0010		0.500	0.493		mg/L		99	75 - 125
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125
Lithium	<0.010		0.100	0.104		mg/L		104	75 - 125
Molybdenum	0.025		1.00	1.06		mg/L		104	75 - 125
Selenium	<0.0025		0.100	0.106		mg/L		106	75 - 125
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 500-263479-1 MS

Matrix: Water

Analysis Batch: 806049

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.8		1.00	2.89		mg/L		107	75 - 125

Lab Sample ID: 500-263479-1 MSD

Matrix: Water

Analysis Batch: 805839

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.551		mg/L		110	75 - 125	1	20
Arsenic	0.019		0.100	0.125		mg/L		105	75 - 125	1	20
Barium	0.037		0.500	0.551		mg/L		103	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0518		mg/L		104	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0529		mg/L		106	75 - 125	2	20
Calcium	66		10.0	74.8	4	mg/L		90	75 - 125	4	20
Chromium	<0.0050		0.200	0.208		mg/L		104	75 - 125	2	20
Cobalt	<0.0010		0.500	0.482		mg/L		96	75 - 125	2	20
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125	1	20
Lithium	<0.010		0.100	0.102		mg/L		102	75 - 125	2	20
Molybdenum	0.025		1.00	1.06		mg/L		103	75 - 125	0	20
Selenium	<0.0025		0.100	0.101		mg/L		101	75 - 125	4	20
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125	1	20

Lab Sample ID: 500-263479-1 MSD

Matrix: Water

Analysis Batch: 806049

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.8		1.00	2.85		mg/L		104	75 - 125	1	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: 500-263479-1 DU

Matrix: Water

Analysis Batch: 805839

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.019		0.0196		mg/L		0.9	20
Barium	0.037		0.0383		mg/L		2	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	66		67.4		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010		<0.010		mg/L		NC	20
Molybdenum	0.025		0.0250		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-263479-1 DU

Matrix: Water

Analysis Batch: 806049

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 805323

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	1.8		1.89		mg/L		4	20

Lab Sample ID: MB 500-805432/1-A

Matrix: Water

Analysis Batch: 805543

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 805432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:19	1
Arsenic	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Barium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:19	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Boron	<0.050		0.050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Calcium	<0.20		0.20		mg/L		02/05/25 14:45	02/06/25 11:19	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Lithium	<0.010	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Molybdenum	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:19	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:19	1

Lab Sample ID: LCS 500-805432/2-A

Matrix: Water

Analysis Batch: 805543

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.515		mg/L		103	80 - 120
Arsenic	0.100	0.0970		mg/L		97	80 - 120
Barium	0.500	0.503		mg/L		101	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: LCS 500-805432/2-A

Matrix: Water

Analysis Batch: 805543

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0515	^1+	mg/L		103	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Calcium	10.0	9.17		mg/L		92	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.523		mg/L		105	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Lithium	0.100	0.102	^5-	mg/L		102	80 - 120
Molybdenum	1.00	0.973		mg/L		97	80 - 120
Selenium	0.100	0.0998		mg/L		100	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: MB 500-805549/1-A

Matrix: Water

Analysis Batch: 805839

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 805549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/06/25 15:15	02/07/25 13:03	1
Arsenic	<0.0010		0.0010		mg/L		02/06/25 15:15	02/07/25 13:03	1
Barium	<0.0025		0.0025		mg/L		02/06/25 15:15	02/07/25 13:03	1
Beryllium	<0.0010		0.0010		mg/L		02/06/25 15:15	02/07/25 13:03	1
Cadmium	<0.00050		0.00050		mg/L		02/06/25 15:15	02/07/25 13:03	1
Calcium	<0.20		0.20		mg/L		02/06/25 15:15	02/07/25 13:03	1
Chromium	<0.0050		0.0050		mg/L		02/06/25 15:15	02/07/25 13:03	1
Cobalt	<0.0010		0.0010		mg/L		02/06/25 15:15	02/07/25 13:03	1
Lead	<0.00050		0.00050		mg/L		02/06/25 15:15	02/07/25 13:03	1
Lithium	<0.010		0.010		mg/L		02/06/25 15:15	02/07/25 13:03	1
Molybdenum	<0.0050		0.0050		mg/L		02/06/25 15:15	02/07/25 13:03	1
Selenium	<0.0025		0.0025		mg/L		02/06/25 15:15	02/07/25 13:03	1
Thallium	<0.0020		0.0020		mg/L		02/06/25 15:15	02/07/25 13:03	1

Lab Sample ID: MB 500-805549/1-A

Matrix: Water

Analysis Batch: 806049

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 805549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		02/06/25 15:15	02/10/25 16:36	1

Lab Sample ID: LCS 500-805549/2-A

Matrix: Water

Analysis Batch: 805839

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.519		mg/L		104	80 - 120
Arsenic	0.100	0.0993		mg/L		99	80 - 120
Barium	0.500	0.504		mg/L		101	80 - 120
Beryllium	0.0500	0.0492		mg/L		98	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	10.0	8.42		mg/L		84	80 - 120

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: LCS 500-805549/2-A

Matrix: Water

Analysis Batch: 805839

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.208		mg/L		104	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lead	0.100	0.0984		mg/L		98	80 - 120
Lithium	0.100	0.0977		mg/L		98	80 - 120
Molybdenum	1.00	0.981		mg/L		98	80 - 120
Selenium	0.100	0.0998		mg/L		100	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Lab Sample ID: LCS 500-805549/2-A

Matrix: Water

Analysis Batch: 806049

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.928		mg/L		93	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-805560/12-A

Matrix: Water

Analysis Batch: 805957

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 805560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 12:24	1

Lab Sample ID: LCS 500-805560/13-A

Matrix: Water

Analysis Batch: 805957

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 805560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00195		mg/L		98	80 - 120

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

Lab Sample ID: MB 500-805289/1

Matrix: Water

Analysis Batch: 805289

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/05/25 02:29	1

Lab Sample ID: LCS 500-805289/2

Matrix: Water

Analysis Batch: 805289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: MB 500-805570/1

Matrix: Water

Analysis Batch: 805570

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/07/25 01:23	1

Lab Sample ID: LCS 500-805570/2

Matrix: Water

Analysis Batch: 805570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	260		mg/L		104	80 - 120

Lab Sample ID: 500-263479-6 MS

Matrix: Water

Analysis Batch: 805570

Client Sample ID: MW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	890		250	1190		mg/L		121	75 - 125

Lab Sample ID: 500-263479-6 DU

Matrix: Water

Analysis Batch: 805570

Client Sample ID: MW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	890		852		mg/L		4	5

Lab Sample ID: 500-263479-7 DU

Matrix: Water

Analysis Batch: 805570

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	670		700		mg/L		4	5

Lab Sample ID: MB 500-806006/1

Matrix: Water

Analysis Batch: 806006

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/10/25 22:41	1

Lab Sample ID: LCS 500-806006/2

Matrix: Water

Analysis Batch: 806006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

Lab Sample ID: 500-263479-9 MS

Matrix: Water

Analysis Batch: 806006

Client Sample ID: MW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	460		250	734		mg/L		111	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

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

Lab Sample ID: 500-263479-9 DU

Matrix: Water

Analysis Batch: 806006

Client Sample ID: MW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	460		470		mg/L		3	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-805828/16

Matrix: Water

Analysis Batch: 805828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/09/25 10:21	1

Lab Sample ID: MB 500-805828/61

Matrix: Water

Analysis Batch: 805828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/09/25 11:05	1

Lab Sample ID: LCS 500-805828/17

Matrix: Water

Analysis Batch: 805828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.5		mg/L		103	85 - 115

Lab Sample ID: LCS 500-805828/62

Matrix: Water

Analysis Batch: 805828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.8		mg/L		104	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-805483/3

Matrix: Water

Analysis Batch: 805483

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/05/25 10:08	1

Lab Sample ID: LCS 500-805483/4

Matrix: Water

Analysis Batch: 805483

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.74		mg/L		97	90 - 119

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-805605/3
Matrix: Water
Analysis Batch: 805605

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/06/25 12:41	1

Lab Sample ID: LCS 500-805605/4
Matrix: Water
Analysis Batch: 805605

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.87		mg/L		99	90 - 119

Lab Sample ID: MB 500-805714/3
Matrix: Water
Analysis Batch: 805714

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/07/25 11:08	1

Lab Sample ID: LCS 500-805714/4
Matrix: Water
Analysis Batch: 805714

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.0		mg/L		100	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-805410/16
Matrix: Water
Analysis Batch: 805410

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/05/25 11:17	1

Lab Sample ID: LCS 500-805410/17
Matrix: Water
Analysis Batch: 805410

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	22.0		mg/L		110	88 - 123

Lab Sample ID: MB 500-806251/16
Matrix: Water
Analysis Batch: 806251

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/11/25 14:07	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 500-806251/17

Matrix: Water

Analysis Batch: 806251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.8		mg/L		104	88 - 123

Lab Sample ID: MB 500-806336/100

Matrix: Water

Analysis Batch: 806336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/12/25 14:38	1

Lab Sample ID: LCS 500-806336/101

Matrix: Water

Analysis Batch: 806336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.8		mg/L		109	88 - 123

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Ver 10/10/2024
2/13/2025

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Page 32 of 40

KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25 00 LB MAN
CAD: 0780307/CAFE3855

Part # 159469-434 MTW EXP 09/25



500-263479 Waybi

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 634-6200

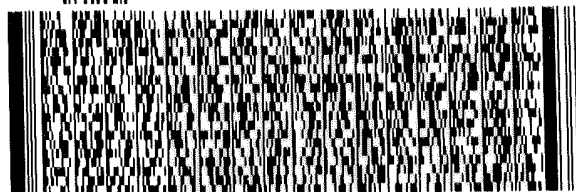
REF:

INU:

PO:

DEPT

RMA. ||| ||| |||



FedEx
Express



AN 10P0L0P20C27

FedEx

TRK#

0221

4376 0568 1842

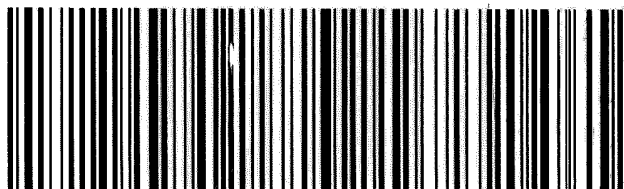
TUE - 04 FEB 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484

IL - US ORD

Part # 156297-435 PRD EXP 09/25



KAEALYN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25 00 LB MAN
CAD: 07803077/CAFE3855

Part 159468-454 WTY EXP 09/25
SRCL/FF22

TO: **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

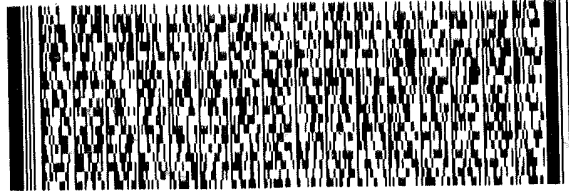
UNIVERSITY PARK IL 60484

(708) 634-6200
INV:
PO:

REF:

DEPT:

RMA. ||| ||| |||

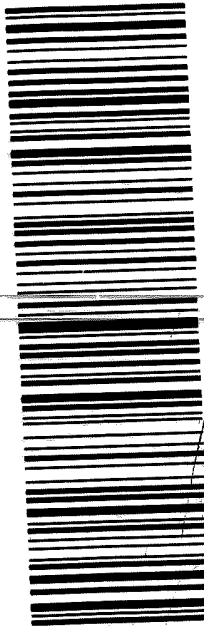


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Express



J243024070401

#435588 02/04 SRCJ2/E49C/CSC4



79 JOTA

FedEx
TRK# 4376 0568 1809
0221

WED - 05 FEB 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD

#159297-435 WTY EXP 09/25



500-263479 Waybi



500-263479 Waybi

KAELYN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25 00 LB MAN
CAD: 0780307/LAFE3855

Part # 159469-434 MTW EXP 09/25 **

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

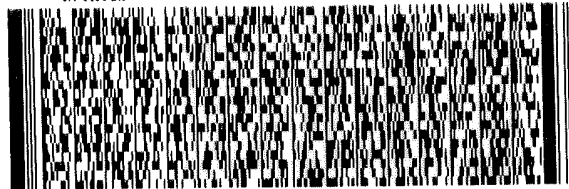
UNIVERSITY PARK IL 60484

(708) 534-5200

REF :

DEPT:

RMA ||| ||||| |||||



FedEx
Express



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FedEx

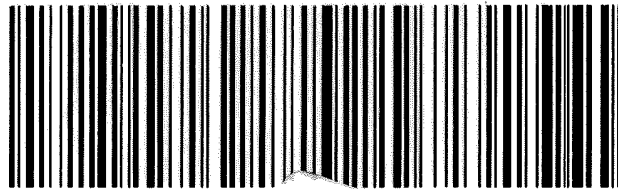
TRK# 4376 0568 1794
0221

THU - 06 FEB 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484

IL-US ORD



YESQADLE ADIAB —

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-263479-1

Login Number: 263479

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0,2.0,-0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-01

Date Collected: 02/03/25 11:50

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 13:50
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:18
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:37
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:07
Total/NA	Analysis	SM 4500 CI- E		2	805828	TR	EET CHI	02/09/25 12:00
Total/NA	Analysis	SM 4500 F C		1	805483	SO	EET CHI	02/05/25 11:53
Total/NA	Analysis	SM 4500 SO4 E		5	806251	TR	EET CHI	02/11/25 14:34

Client Sample ID: MW-02

Date Collected: 02/03/25 12:53

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 14:08
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:31
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:39
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:10
Total/NA	Analysis	SM 4500 CI- E		2	805828	TR	EET CHI	02/09/25 12:00
Total/NA	Analysis	SM 4500 F C		1	805483	SO	EET CHI	02/05/25 11:57
Total/NA	Analysis	SM 4500 SO4 E		5	805410	TR	EET CHI	02/05/25 11:30

Client Sample ID: MW-03

Date Collected: 02/03/25 14:28

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 14:12
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:33
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:42
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:12
Total/NA	Analysis	SM 4500 CI- E		2	805828	TR	EET CHI	02/09/25 10:47
Total/NA	Analysis	SM 4500 F C		1	805483	SO	EET CHI	02/05/25 12:02
Total/NA	Analysis	SM 4500 SO4 E		5	805410	TR	EET CHI	02/05/25 11:30

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-16

Date Collected: 02/03/25 15:56

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 14:16
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:36
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:44
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:15
Total/NA	Analysis	SM 4500 Cl- E		2	805828	TR	EET CHI	02/09/25 10:47
Total/NA	Analysis	SM 4500 F C		1	805483	SO	EET CHI	02/05/25 12:07
Total/NA	Analysis	SM 4500 SO4 E		10	805410	TR	EET CHI	02/05/25 11:28

Client Sample ID: Duplicate

Date Collected: 02/03/25 00:00

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 14:30
Total Recoverable	Prep	3005A			805323	BDE	EET CHI	02/05/25 08:21 - 02/05/25 14:21 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:44
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:46
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:18
Total/NA	Analysis	SM 4500 Cl- E		2	805828	TR	EET CHI	02/09/25 10:47
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 13:12
Total/NA	Analysis	SM 4500 SO4 E		5	806251	TR	EET CHI	02/11/25 14:33

Client Sample ID: MW-09

Date Collected: 02/04/25 13:18

Date Received: 02/05/25 09:10

Lab Sample ID: 500-263479-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 11:44
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:48
Total/NA	Analysis	SM 2540C		1	805570	CLB	EET CHI	02/07/25 01:33
Total/NA	Analysis	SM 4500 Cl- E		5	805828	TR	EET CHI	02/09/25 10:46
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 13:17
Total/NA	Analysis	SM 4500 SO4 E		5	806251	TR	EET CHI	02/11/25 14:35

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Client Sample ID: MW-11

Date Collected: 02/04/25 10:35

Date Received: 02/05/25 09:10

Lab Sample ID: 500-263479-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 11:47
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		5	805543	RN	EET CHI	02/06/25 12:45
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:50
Total/NA	Analysis	SM 2540C		1	805570	CLB	EET CHI	02/07/25 01:41
Total/NA	Analysis	SM 4500 CI- E		5	805828	TR	EET CHI	02/09/25 10:45
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 13:22
Total/NA	Analysis	SM 4500 SO4 E		2	806251	TR	EET CHI	02/11/25 14:35

Client Sample ID: MW-14

Date Collected: 02/04/25 11:54

Date Received: 02/05/25 09:10

Lab Sample ID: 500-263479-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 11:49
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:57
Total/NA	Analysis	SM 2540C		1	805570	CLB	EET CHI	02/07/25 01:46
Total/NA	Analysis	SM 4500 CI- E		1	805828	TR	EET CHI	02/09/25 10:22
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 13:26
Total/NA	Analysis	SM 4500 SO4 E		1	806251	TR	EET CHI	02/11/25 14:11

Client Sample ID: MW-04

Date Collected: 02/05/25 12:16

Date Received: 02/06/25 09:05

Lab Sample ID: 500-263479-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805549	S1Z	EET CHI	02/06/25 15:15 - 02/06/25 21:15 ¹
Total Recoverable	Analysis	6020B		1	806049	S1Z	EET CHI	02/10/25 18:13
Total Recoverable	Prep	3005A			805549	S1Z	EET CHI	02/06/25 15:15 - 02/06/25 21:15 ¹
Total Recoverable	Analysis	6020B		1	805839	RN	EET CHI	02/07/25 15:00
Total/NA	Prep	7470A			805560	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 12:59
Total/NA	Analysis	SM 2540C		1	806006	CLB	EET CHI	02/10/25 22:46
Total/NA	Analysis	SM 4500 CI- E		5	805828	TR	EET CHI	02/09/25 10:48
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 11:45
Total/NA	Analysis	SM 4500 SO4 E		5	806336	TR	EET CHI	02/12/25 14:48

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Eurofins Chicago

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-263479-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-25

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

ANALYTICAL REPORT

PREPARED FOR

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Generated 3/5/2025 3:55:53 PM

JOB DESCRIPTION

Waukegan CCR (RAD)

JOB NUMBER

500-263479-2

Eurofins Chicago

Job Notes

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

Authorization



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR (RAD)

Job ID: 500-263479-2

Job ID: 500-263479-2

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Job Narrative 500-263479-2

Receipt

The samples were received on 2/4/2025 9:20 AM, 2/5/2025 9:10 AM and 2/6/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 2.0°C and 4.0°C.

Gas Flow Proportional Counter

Method 903.0: Radium 226 Batch 702044

The laboratory control sample (LCS) recovery is outside the upper QC limit indicating a potential positive bias for that analyte. This analyte was not observed above the RL in the associated samples; therefore the sample data is not adversely affected by this excursion. The data have been reported with this narrative. (LCS 160-702044/2-A)

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

Rad

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-263479-1	MW-01	Water	02/03/25 11:50	02/04/25 09:20
500-263479-2	MW-02	Water	02/03/25 12:53	02/04/25 09:20
500-263479-3	MW-03	Water	02/03/25 14:28	02/04/25 09:20
500-263479-4	MW-16	Water	02/03/25 15:56	02/04/25 09:20
500-263479-5	Duplicate	Water	02/03/25 00:00	02/04/25 09:20
500-263479-6	MW-09	Water	02/04/25 13:18	02/05/25 09:10
500-263479-7	MW-11	Water	02/04/25 10:35	02/05/25 09:10
500-263479-8	MW-14	Water	02/04/25 11:54	02/05/25 09:10
500-263479-9	MW-04	Water	02/05/25 12:16	02/06/25 09:05

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-01

Lab Sample ID: 500-263479-1

Date Collected: 02/03/25 11:50

Matrix: Water

Date Received: 02/04/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.0884	U	0.0631	0.0636	1.00	0.0884	pCi/L	02/06/25 08:00	02/28/25 09:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					02/06/25 08:00	02/28/25 09:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.626	U	0.380	0.381	1.00	0.626	pCi/L	02/06/25 08:04	02/14/25 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					02/06/25 08:04	02/14/25 11:59	1
Y Carrier	75.5		30 - 110					02/06/25 08:04	02/14/25 11:59	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.626	U	0.385	0.386	5.00	0.626	pCi/L		03/03/25 12:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-02

Lab Sample ID: 500-263479-2

Date Collected: 02/03/25 12:53

Matrix: Water

Date Received: 02/04/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.0952	U	0.0566	0.0568	1.00	0.0952	pCi/L	02/06/25 08:00	02/28/25 09:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					02/06/25 08:00	02/28/25 09:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.609	U	0.310	0.310	1.00	0.609	pCi/L	02/06/25 08:04	02/14/25 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.9		30 - 110					02/06/25 08:04	02/14/25 11:59	1
Y Carrier	75.1		30 - 110					02/06/25 08:04	02/14/25 11:59	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.609	U	0.315	0.315	5.00	0.609	pCi/L		03/03/25 12:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-03

Lab Sample ID: 500-263479-3

Date Collected: 02/03/25 14:28

Matrix: Water

Date Received: 02/04/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.105	U	0.0502	0.0502	1.00	0.105	pCi/L	02/06/25 08:00	02/28/25 09:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					02/06/25 08:00	02/28/25 09:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.633	U	0.387	0.388	1.00	0.633	pCi/L	02/06/25 08:04	02/14/25 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					02/06/25 08:04	02/14/25 11:59	1
Y Carrier	73.6		30 - 110					02/06/25 08:04	02/14/25 11:59	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.633	U	0.390	0.391	5.00	0.633	pCi/L		03/03/25 12:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-16

Lab Sample ID: 500-263479-4

Date Collected: 02/03/25 15:56

Matrix: Water

Date Received: 02/04/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249		0.0946	0.0972	1.00	0.0930	pCi/L	02/06/25 08:00	02/28/25 09:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					02/06/25 08:00	02/28/25 09:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.565	U	0.323	0.324	1.00	0.565	pCi/L	02/06/25 08:04	02/14/25 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.2		30 - 110					02/06/25 08:04	02/14/25 11:59	1
Y Carrier	73.3		30 - 110					02/06/25 08:04	02/14/25 11:59	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.565	U	0.337	0.338	5.00	0.565	pCi/L		03/03/25 12:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: Duplicate

Lab Sample ID: 500-263479-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.103	U	0.0488	0.0488	1.00	0.103	pCi/L	02/06/25 08:00	02/28/25 09:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					02/06/25 08:00	02/28/25 09:26	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.657	U	0.280	0.283	1.00	0.657	pCi/L	02/06/25 08:04	02/14/25 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110					02/06/25 08:04	02/14/25 11:59	1
Y Carrier	79.3		30 - 110					02/06/25 08:04	02/14/25 11:59	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.657	U	0.284	0.287	5.00	0.657	pCi/L		03/03/25 12:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-09

Lab Sample ID: 500-263479-6

Date Collected: 02/04/25 13:18

Matrix: Water

Date Received: 02/05/25 09:10

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.195	*	0.118	0.119	1.00	0.154	pCi/L	02/07/25 07:47	03/03/25 09:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					02/07/25 07:47	03/03/25 09:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.685	U	0.410	0.411	1.00	0.685	pCi/L	02/07/25 07:56	02/27/25 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					02/07/25 07:56	02/27/25 12:29	1
Y Carrier	77.4		30 - 110					02/07/25 07:56	02/27/25 12:29	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.685	U	0.427	0.428	5.00	0.685	pCi/L		03/04/25 16:48	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-11

Lab Sample ID: 500-263479-7

Date Collected: 02/04/25 10:35

Matrix: Water

Date Received: 02/05/25 09:10

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.561	*	0.190	0.197	1.00	0.172	pCi/L	02/07/25 07:47	03/03/25 09:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					02/07/25 07:47	03/03/25 09:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.70		0.565	0.586	1.00	0.649	pCi/L	02/07/25 07:56	02/27/25 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					02/07/25 07:56	02/27/25 12:29	1
Y Carrier	82.2		30 - 110					02/07/25 07:56	02/27/25 12:29	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.26		0.596	0.618	5.00	0.649	pCi/L		03/04/25 16:48	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-14

Lab Sample ID: 500-263479-8

Date Collected: 02/04/25 11:54

Matrix: Water

Date Received: 02/05/25 09:10

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.207	*	0.145	0.146	1.00	0.200	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					02/07/25 07:47	03/03/25 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.802	U	0.532	0.537	1.00	0.802	pCi/L	02/07/25 07:56	02/27/25 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					02/07/25 07:56	02/27/25 12:29	1
Y Carrier	79.3		30 - 110					02/07/25 07:56	02/27/25 12:29	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.949		0.551	0.556	5.00	0.802	pCi/L		03/04/25 16:48	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-04

Lab Sample ID: 500-263479-9

Date Collected: 02/05/25 12:16

Matrix: Water

Date Received: 02/06/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.142		0.0970	0.0978	1.00	0.134	pCi/L	02/10/25 08:58	03/04/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					02/10/25 08:58	03/04/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.535	U	0.281	0.281	1.00	0.535	pCi/L	02/10/25 09:01	02/27/25 12:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					02/10/25 09:01	02/27/25 12:26	1
Y Carrier	80.4		30 - 110					02/10/25 09:01	02/27/25 12:26	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.535	U	0.297	0.298	5.00	0.535	pCi/L		03/05/25 15:04	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Rad

Prep Batch: 701729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	PrecSep-21	
500-263479-2	MW-02	Total/NA	Water	PrecSep-21	
500-263479-3	MW-03	Total/NA	Water	PrecSep-21	
500-263479-4	MW-16	Total/NA	Water	PrecSep-21	
500-263479-5	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-701729/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-701729/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 701730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-1	MW-01	Total/NA	Water	PrecSep_0	
500-263479-2	MW-02	Total/NA	Water	PrecSep_0	
500-263479-3	MW-03	Total/NA	Water	PrecSep_0	
500-263479-4	MW-16	Total/NA	Water	PrecSep_0	
500-263479-5	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-701730/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-701730/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 702044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-6	MW-09	Total/NA	Water	PrecSep-21	
500-263479-7	MW-11	Total/NA	Water	PrecSep-21	
500-263479-8	MW-14	Total/NA	Water	PrecSep-21	
MB 160-702044/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-702044/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 702045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-6	MW-09	Total/NA	Water	PrecSep_0	
500-263479-7	MW-11	Total/NA	Water	PrecSep_0	
500-263479-8	MW-14	Total/NA	Water	PrecSep_0	
MB 160-702045/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-702045/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 702255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total/NA	Water	PrecSep-21	
MB 160-702255/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-702255/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 702256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263479-9	MW-04	Total/NA	Water	PrecSep_0	
MB 160-702256/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-702256/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-701729/1-A

Matrix: Water

Analysis Batch: 705327

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 701729

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.113	U	0.0518	0.0518	1.00	0.113	pCi/L	02/06/25 08:00	02/28/25 07:29	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					02/06/25 08:00	02/28/25 07:29	1

Lab Sample ID: LCS 160-701729/2-A

Matrix: Water

Analysis Batch: 705327

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 701729

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.071		0.948	1.00	0.0945	pCi/L	95	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	98.7		30 - 110							

Lab Sample ID: MB 160-702044/1-A

Matrix: Water

Analysis Batch: 705675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702044

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.142	U	0.0616	0.0616	1.00	0.142	pCi/L	02/07/25 07:47	03/03/25 07:58	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					02/07/25 07:47	03/03/25 07:58	1

Lab Sample ID: LCS 160-702044/2-A

Matrix: Water

Analysis Batch: 705677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702044

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	12.43	*	1.41	1.00	0.185	pCi/L	130	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	87.2		30 - 110							

Lab Sample ID: MB 160-702255/1-A

Matrix: Water

Analysis Batch: 705883

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702255

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.134	U	0.0530	0.0531	1.00	0.134	pCi/L	02/10/25 08:58	03/04/25 07:48	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-702255/1-A
Matrix: Water
Analysis Batch: 705883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702255

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.1		30 - 110

Prepared	Analyzed	Dil Fac
02/10/25 08:58	03/04/25 07:48	1

Lab Sample ID: LCS 160-702255/2-A
Matrix: Water
Analysis Batch: 705883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702255

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.309		1.02	1.00	0.130	pCi/L	97	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.6		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-701730/1-A
Matrix: Water
Analysis Batch: 703041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 701730

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.559	U	0.318	0.319	1.00	0.559	pCi/L	02/06/25 08:04	02/14/25 11:58	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	95.2		30 - 110
Y Carrier	79.3		30 - 110

Prepared	Analyzed	Dil Fac
02/06/25 08:04	02/14/25 11:58	1
02/06/25 08:04	02/14/25 11:58	1

Lab Sample ID: LCS 160-701730/2-A
Matrix: Water
Analysis Batch: 703041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 701730

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.10	7.427		1.06	1.00	0.479	pCi/L	92	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	98.7		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: MB 160-702045/1-A
Matrix: Water
Analysis Batch: 705085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702045

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.535	U	0.355	0.357	1.00	0.535	pCi/L	02/07/25 07:56	02/27/25 12:28	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-702045/1-A
Matrix: Water
Analysis Batch: 705085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702045

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.3		30 - 110
Y Carrier	77.4		30 - 110

Prepared	Analyzed	Dil Fac
02/07/25 07:56	02/27/25 12:28	1
02/07/25 07:56	02/27/25 12:28	1

Lab Sample ID: LCS 160-702045/2-A
Matrix: Water
Analysis Batch: 705085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702045

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.06	8.810		1.27	1.00	0.523	pCi/L	109	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	87.2		30 - 110
Y Carrier	78.5		30 - 110

Lab Sample ID: MB 160-702256/1-A
Matrix: Water
Analysis Batch: 705086

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702256

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.571	U	0.296	0.296	1.00	0.571	pCi/L	02/10/25 09:01	02/27/25 12:25	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.1		30 - 110
Y Carrier	84.5		30 - 110

Prepared	Analyzed	Dil Fac
02/10/25 09:01	02/27/25 12:25	1
02/10/25 09:01	02/27/25 12:25	1

Lab Sample ID: LCS 160-702256/2-A
Matrix: Water
Analysis Batch: 705086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702256

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.06	7.392		1.12	1.00	0.559	pCi/L	92	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.6		30 - 110
Y Carrier	79.3		30 - 110

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KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25 00 LB MAN
CAD: 0780307/CAFE3855

Part # 159469-434 MTW EXP 09/25



500-263479 Waybi

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 634-6200

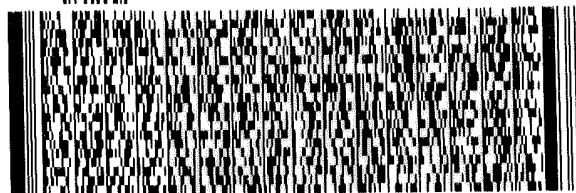
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INU:

PO:

DEPT

RMA. ||| ||| |||



FedEx
Express



AN 10P0L0P20C27

FedEx

TRK#

0221

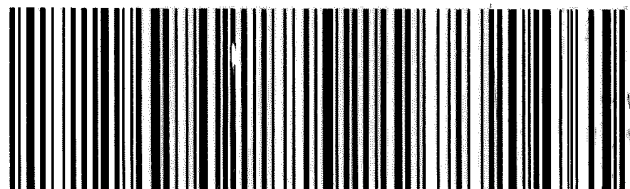
4376 0568 1842

TUE - 04 FEB 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484

IL - US ORD



Part # 156297-435 PRD EXP 09/25

KAEALYN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25 00 LB MAN
CAD: 07803077/CAFE3855

Part 159468-454 WTY EXP 09/25
SRCL/FF22

TO: **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

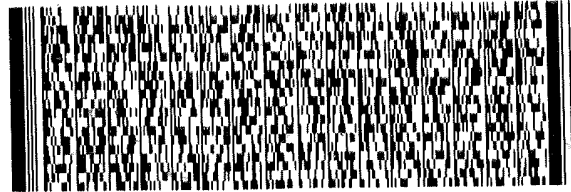
UNIVERSITY PARK IL 60484

(708) 634-6200
INV:
PO:

REF:

DEPT:

RMA. ||| ||| |||

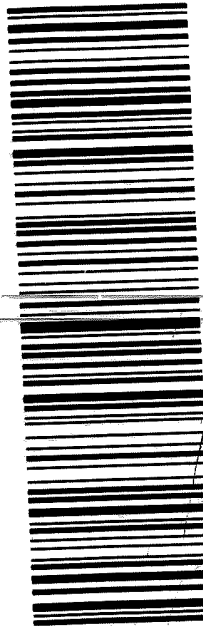


FedEx
Express



J243024070401

#435588 02/04 SRCJ2/E49C/CSC4



79 JOTA

FedEx
TRK# 4376 0568 1809
0221

WED - 05 FEB 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD

#159297-435 WTY EXP 09/25



500-263479 Waybi



500-263479 Waybi

KAELEN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/LAFE3855

Part # 159469-434 NTW EXP 09/25

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

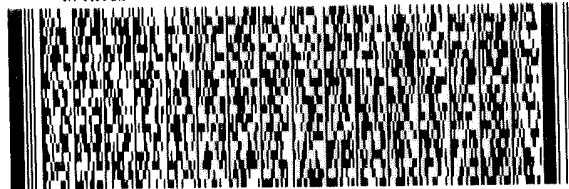
UNIVERSITY PARK IL 60484

(708) 534-5200
JNU:
PO:

REF:

DEPT:

RMA III III III



FedEx
Express



J243324070401 W

FedEx

TRK# 4376 0568 1794
0221

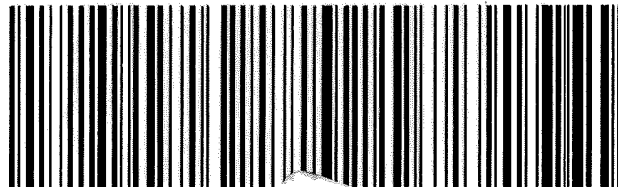
THU - 06 FEB 10:30A
PRIORITY OVERNIGHT

#159469-434 NTW EXP 09/25

79 JOTA

60484

IL - US **ORD**



PC504410 02105

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Mockler, Diana J	Carrier Tracking No(s): N/A	COC No: 500-198020.1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Diana.Mockler@eurofins.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois			Job #: 500-263479-2
Address: 13715 Rider Trail North,		Preservation Codes:			
City: Earth City					
State, Zip: MO, 63045					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)					
Email: N/A					
Project Name: Waukegan CCR (RAD)					
Site: NRG Midwest Generation Waukegan					
Due Date Requested: 2/18/2025		Analysis Requested			
TAT Requested (days): N/A					
PO #: N/A					
WO #: N/A					
Project #: 50011597					
SSOW#: N/A					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soils, BT=Tissue, A=Air)
MW-09 (500-263479-6)	2/4/25	13:18 Central	G	Water	
MW-11 (500-263479-7)	2/4/25	10:35 Central	G	Water	
MW-14 (500-263479-8)	2/4/25	11:54 Central	G	Water	
Special Instructions/Note:		Total Number of containers			
Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		3			
Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		3			
Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		3			
Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		3			
Other: N/A					
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Time: Method of Shipment:			
Relinquished by: [Signature]		Date/Time: 2/15/25 1430			
Relinquished by: [Signature]		Date/Time: 0830 FEB 06 2025			
Relinquished by: [Signature]		Date/Time: [Signature]			
Relinquished by: [Signature]		Date/Time: [Signature]			
Custody Seals Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks:			

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-263479-2

Login Number: 263479

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0,2.0,-0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-263479-2

Login Number: 263479

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 02/05/25 11:35 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-263479-2

Login Number: 263479

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 02/06/25 12:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-263479-2

Login Number: 263479

List Number: 4

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 02/07/25 01:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-01

Date Collected: 02/03/25 11:50

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			701729	OGC	EET SL	02/06/25 08:00
Total/NA	Analysis	903.0		1	705324	SWS	EET SL	02/28/25 09:25
Total/NA	Prep	PrecSep_0			701730	OGC	EET SL	02/06/25 08:04
Total/NA	Analysis	904.0		1	703041	SWS	EET SL	02/14/25 11:59
Total/NA	Analysis	Ra226_Ra228		1	705698	SCB	EET SL	03/03/25 12:21

Client Sample ID: MW-02

Date Collected: 02/03/25 12:53

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			701729	OGC	EET SL	02/06/25 08:00
Total/NA	Analysis	903.0		1	705324	SWS	EET SL	02/28/25 09:25
Total/NA	Prep	PrecSep_0			701730	OGC	EET SL	02/06/25 08:04
Total/NA	Analysis	904.0		1	703041	SWS	EET SL	02/14/25 11:59
Total/NA	Analysis	Ra226_Ra228		1	705698	SCB	EET SL	03/03/25 12:21

Client Sample ID: MW-03

Date Collected: 02/03/25 14:28

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			701729	OGC	EET SL	02/06/25 08:00
Total/NA	Analysis	903.0		1	705324	SWS	EET SL	02/28/25 09:26
Total/NA	Prep	PrecSep_0			701730	OGC	EET SL	02/06/25 08:04
Total/NA	Analysis	904.0		1	703041	SWS	EET SL	02/14/25 11:59
Total/NA	Analysis	Ra226_Ra228		1	705698	SCB	EET SL	03/03/25 12:21

Client Sample ID: MW-16

Date Collected: 02/03/25 15:56

Date Received: 02/04/25 09:20

Lab Sample ID: 500-263479-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			701729	OGC	EET SL	02/06/25 08:00
Total/NA	Analysis	903.0		1	705324	SWS	EET SL	02/28/25 09:26
Total/NA	Prep	PrecSep_0			701730	OGC	EET SL	02/06/25 08:04
Total/NA	Analysis	904.0		1	703041	SWS	EET SL	02/14/25 11:59
Total/NA	Analysis	Ra226_Ra228		1	705698	SCB	EET SL	03/03/25 12:21

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: Duplicate

Lab Sample ID: 500-263479-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			701729	OGC	EET SL	02/06/25 08:00
Total/NA	Analysis	903.0		1	705324	SWS	EET SL	02/28/25 09:26
Total/NA	Prep	PrecSep_0			701730	OGC	EET SL	02/06/25 08:04
Total/NA	Analysis	904.0		1	703041	SWS	EET SL	02/14/25 11:59
Total/NA	Analysis	Ra226_Ra228		1	705698	SCB	EET SL	03/03/25 12:21

Client Sample ID: MW-09

Lab Sample ID: 500-263479-6

Date Collected: 02/04/25 13:18

Matrix: Water

Date Received: 02/05/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705675	SWS	EET SL	03/03/25 09:50
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:29
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-11

Lab Sample ID: 500-263479-7

Date Collected: 02/04/25 10:35

Matrix: Water

Date Received: 02/05/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705675	SWS	EET SL	03/03/25 09:50
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:29
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-14

Lab Sample ID: 500-263479-8

Date Collected: 02/04/25 11:54

Matrix: Water

Date Received: 02/05/25 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:29
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Client Sample ID: MW-04

Date Collected: 02/05/25 12:16

Date Received: 02/06/25 09:05

Lab Sample ID: 500-263479-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702255	OGC	EET SL	02/10/25 08:58
Total/NA	Analysis	903.0		1	705971	CMM	EET SL	03/04/25 07:43
Total/NA	Prep	PrecSep_0			702256	OGC	EET SL	02/10/25 09:01
Total/NA	Analysis	904.0		1	705086	SWS	EET SL	02/27/25 12:26
Total/NA	Analysis	Ra226_Ra228		1	706170	FLC	EET SL	03/05/25 15:04

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-263479-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
500-263479-1	MW-01	82.4					
500-263479-2	MW-02	83.9					
500-263479-3	MW-03	78.6					
500-263479-4	MW-16	86.2					
500-263479-5	Duplicate	88.5					
500-263479-6	MW-09	82.4					
500-263479-7	MW-11	92.3					
500-263479-8	MW-14	86.0					
500-263479-9	MW-04	88.0					
LCS 160-701729/2-A	Lab Control Sample	98.7					
LCS 160-702044/2-A	Lab Control Sample	87.2					
LCS 160-702255/2-A	Lab Control Sample	90.6					
MB 160-701729/1-A	Method Blank	95.2					
MB 160-702044/1-A	Method Blank	91.3					
MB 160-702255/1-A	Method Blank	91.1					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba	Y				
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
500-263479-1	MW-01	82.4	75.5				
500-263479-2	MW-02	83.9	75.1				
500-263479-3	MW-03	78.6	73.6				
500-263479-4	MW-16	86.2	73.3				
500-263479-5	Duplicate	88.5	79.3				
500-263479-6	MW-09	82.4	77.4				
500-263479-7	MW-11	92.3	82.2				
500-263479-8	MW-14	86.0	79.3				
500-263479-9	MW-04	88.0	80.4				
LCS 160-701730/2-A	Lab Control Sample	98.7	81.5				
LCS 160-702045/2-A	Lab Control Sample	87.2	78.5				
LCS 160-702256/2-A	Lab Control Sample	90.6	79.3				
MB 160-701730/1-A	Method Blank	95.2	79.3				
MB 160-702045/1-A	Method Blank	91.3	77.4				
MB 160-702256/1-A	Method Blank	91.1	84.5				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 5/25/2025 8:19:25 AM

JOB DESCRIPTION

Waukegan CCR

JOB NUMBER

500-268206-1

Eurofins Chicago

Job Notes

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

Authorization



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR

Job ID: 500-268206-1

Job ID: 500-268206-1

Eurofins Chicago

Job Narrative 500-268206-1

Receipt

The samples were received on 5/13/2025 9:15 AM, 5/14/2025 9:20 AM and 5/15/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3°C, 5.2°C and 5.9°C.

Metals

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16 (500-268206-6) and Duplicate (500-268206-7). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-818344 was above the upper control limit. The affected analyte is: Beryllium. Sample results were non-detects, and have been reported as qualified data.

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

General Chemistry

Method SM4500_SO4_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-818457 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-268206-1	MW-01	Water	05/12/25 12:10	05/13/25 09:15
500-268206-2	MW-02	Water	05/12/25 13:07	05/13/25 09:15
500-268206-3	MW-03	Water	05/12/25 14:29	05/13/25 09:15
500-268206-4	MW-04	Water	05/12/25 15:23	05/13/25 09:15
500-268206-5	MW-09	Water	05/13/25 11:25	05/14/25 09:20
500-268206-6	MW-16	Water	05/13/25 10:00	05/14/25 09:20
500-268206-7	Duplicate	Water	05/13/25 00:00	05/14/25 09:20
500-268206-8	MW-11	Water	05/14/25 14:44	05/15/25 09:40
500-268206-9	MW-14	Water	05/14/25 16:00	05/15/25 09:40

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-01

Lab Sample ID: 500-268206-1

Date Collected: 05/12/25 12:10

Matrix: Water

Date Received: 05/13/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 08:35	05/15/25 13:50	1
Arsenic	0.013		0.0010		mg/L		05/14/25 08:35	05/15/25 13:50	1
Barium	0.037		0.0025		mg/L		05/14/25 08:35	05/15/25 13:50	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:50	1
Boron	2.2		0.050		mg/L		05/14/25 08:35	05/16/25 13:06	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:50	1
Calcium	63		0.20		mg/L		05/14/25 08:35	05/15/25 13:50	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:50	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:50	1
Lead	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:50	1
Lithium	<0.010		0.010		mg/L		05/14/25 08:35	05/15/25 13:50	1
Molybdenum	0.018		0.0050		mg/L		05/14/25 08:35	05/15/25 13:50	1
Selenium	0.0046		0.0025		mg/L		05/14/25 08:35	05/15/25 13:50	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 08:35	05/15/25 13:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		10		mg/L			05/15/25 03:44	1
Chloride (SM 4500 Cl- E)	82		4.0		mg/L			05/19/25 13:41	2
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			05/19/25 13:47	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			05/20/25 11:48	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-02

Lab Sample ID: 500-268206-2

Date Collected: 05/12/25 13:07

Matrix: Water

Date Received: 05/13/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 08:35	05/15/25 13:53	1
Arsenic	0.0087		0.0010		mg/L		05/14/25 08:35	05/15/25 13:53	1
Barium	0.020		0.0025		mg/L		05/14/25 08:35	05/15/25 13:53	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:53	1
Boron	3.5		0.050		mg/L		05/14/25 08:35	05/16/25 13:08	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:53	1
Calcium	56		0.20		mg/L		05/14/25 08:35	05/15/25 13:53	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:53	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:53	1
Lead	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:53	1
Lithium	<0.010		0.010		mg/L		05/14/25 08:35	05/15/25 13:53	1
Molybdenum	0.031		0.0050		mg/L		05/14/25 08:35	05/15/25 13:53	1
Selenium	<0.0025		0.0025		mg/L		05/14/25 08:35	05/15/25 13:53	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 08:35	05/15/25 13:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	470		10		mg/L			05/15/25 03:47	1
Chloride (SM 4500 Cl- E)	69		4.0		mg/L			05/19/25 13:40	2
Fluoride (SM 4500 F C)	0.39		0.10		mg/L			05/19/25 13:50	1
Sulfate (SM 4500 SO4 E)	200	F1	25		mg/L			05/20/25 11:48	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-03

Lab Sample ID: 500-268206-3

Date Collected: 05/12/25 14:29

Matrix: Water

Date Received: 05/13/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 08:35	05/15/25 13:55	1
Arsenic	0.020		0.0010		mg/L		05/14/25 08:35	05/15/25 13:55	1
Barium	0.0056		0.0025		mg/L		05/14/25 08:35	05/15/25 13:55	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:55	1
Boron	3.5		0.050		mg/L		05/14/25 08:35	05/16/25 13:11	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:55	1
Calcium	43		0.20		mg/L		05/14/25 08:35	05/15/25 13:55	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:55	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:55	1
Lead	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:55	1
Lithium	<0.010		0.010		mg/L		05/14/25 08:35	05/15/25 13:55	1
Molybdenum	0.039		0.0050		mg/L		05/14/25 08:35	05/15/25 13:55	1
Selenium	<0.0025		0.0025		mg/L		05/14/25 08:35	05/15/25 13:55	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 08:35	05/15/25 13:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	430		10		mg/L			05/15/25 03:50	1
Chloride (SM 4500 Cl- E)	57		4.0		mg/L			05/19/25 13:41	2
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			05/19/25 13:53	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			05/20/25 13:15	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-04

Lab Sample ID: 500-268206-4

Date Collected: 05/12/25 15:23

Matrix: Water

Date Received: 05/13/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 08:35	05/15/25 13:57	1
Arsenic	0.0092		0.0010		mg/L		05/14/25 08:35	05/15/25 13:57	1
Barium	0.014		0.0025		mg/L		05/14/25 08:35	05/15/25 13:57	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:57	1
Boron	2.3		0.050		mg/L		05/14/25 08:35	05/16/25 13:14	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:57	1
Calcium	26		0.20		mg/L		05/14/25 08:35	05/15/25 13:57	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:57	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:57	1
Lead	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:57	1
Lithium	<0.010		0.010		mg/L		05/14/25 08:35	05/15/25 13:57	1
Molybdenum	0.044		0.0050		mg/L		05/14/25 08:35	05/15/25 13:57	1
Selenium	0.0042		0.0025		mg/L		05/14/25 08:35	05/15/25 13:57	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 08:35	05/15/25 13:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	200		10		mg/L			05/15/25 03:52	1
Chloride (SM 4500 Cl- E)	68		4.0		mg/L			05/19/25 13:41	2
Fluoride (SM 4500 F C)	0.67		0.10		mg/L			05/19/25 14:06	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			05/20/25 13:16	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-09

Lab Sample ID: 500-268206-5

Date Collected: 05/13/25 11:25

Matrix: Water

Date Received: 05/14/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 15:56	05/16/25 15:24	1
Arsenic	0.012		0.0010		mg/L		05/14/25 15:56	05/16/25 15:24	1
Barium	0.095		0.0025		mg/L		05/14/25 15:56	05/16/25 15:24	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:24	1
Boron	2.3		0.050		mg/L		05/14/25 15:56	05/16/25 15:24	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:24	1
Calcium	130		0.20		mg/L		05/14/25 15:56	05/16/25 15:24	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 15:56	05/16/25 15:24	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:24	1
Lead	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:24	1
Lithium	0.040		0.010		mg/L		05/14/25 15:56	05/16/25 15:24	1
Molybdenum	0.043		0.0050		mg/L		05/14/25 15:56	05/16/25 15:24	1
Selenium	<0.0025		0.0025		mg/L		05/14/25 15:56	05/16/25 15:24	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 15:56	05/16/25 15:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	700		10		mg/L			05/17/25 05:54	1
Chloride (SM 4500 Cl- E)	150		10		mg/L			05/21/25 13:57	5
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			05/21/25 10:27	1
Sulfate (SM 4500 SO4 E)	140		25		mg/L			05/20/25 13:16	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-16

Lab Sample ID: 500-268206-6

Date Collected: 05/13/25 10:00

Matrix: Water

Date Received: 05/14/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 15:56	05/16/25 15:27	1
Arsenic	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:27	1
Barium	0.053		0.0025		mg/L		05/14/25 15:56	05/16/25 15:27	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:27	1
Boron	5.9		0.25		mg/L		05/14/25 15:56	05/19/25 12:13	5
Cadmium	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:27	1
Calcium	220		0.20		mg/L		05/14/25 15:56	05/16/25 15:27	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 15:56	05/16/25 15:27	1
Cobalt	0.0016		0.0010		mg/L		05/14/25 15:56	05/16/25 15:27	1
Lead	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:27	1
Lithium	0.018		0.010		mg/L		05/14/25 15:56	05/16/25 15:27	1
Molybdenum	0.017		0.0050		mg/L		05/14/25 15:56	05/16/25 15:27	1
Selenium	0.0054		0.0025		mg/L		05/14/25 15:56	05/16/25 15:27	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 15:56	05/16/25 15:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			05/17/25 05:56	1
Chloride (SM 4500 Cl- E)	95		10		mg/L			05/19/25 13:42	5
Fluoride (SM 4500 F C)	0.53		0.10		mg/L			05/21/25 10:31	1
Sulfate (SM 4500 SO4 E)	490		50		mg/L			05/20/25 13:16	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: Duplicate

Lab Sample ID: 500-268206-7

Date Collected: 05/13/25 00:00

Matrix: Water

Date Received: 05/14/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 15:56	05/16/25 15:46	1
Arsenic	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:46	1
Barium	0.052		0.0025		mg/L		05/14/25 15:56	05/16/25 15:46	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 15:46	1
Boron	5.9		0.25		mg/L		05/14/25 15:56	05/19/25 12:16	5
Cadmium	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:46	1
Calcium	220		0.20		mg/L		05/14/25 15:56	05/16/25 15:46	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 15:56	05/16/25 15:46	1
Cobalt	0.0016		0.0010		mg/L		05/14/25 15:56	05/16/25 15:46	1
Lead	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 15:46	1
Lithium	0.018		0.010		mg/L		05/14/25 15:56	05/16/25 15:46	1
Molybdenum	0.016		0.0050		mg/L		05/14/25 15:56	05/16/25 15:46	1
Selenium	0.0050		0.0025		mg/L		05/14/25 15:56	05/16/25 15:46	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 15:56	05/16/25 15:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			05/17/25 05:59	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			05/19/25 13:42	5
Fluoride (SM 4500 F C)	0.53		0.10		mg/L			05/21/25 10:34	1
Sulfate (SM 4500 SO4 E)	480		50		mg/L			05/20/25 13:17	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-11

Lab Sample ID: 500-268206-8

Date Collected: 05/14/25 14:44

Matrix: Water

Date Received: 05/15/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/16/25 08:25	05/19/25 13:26	1
Arsenic	2.8		0.0010		mg/L		05/16/25 08:25	05/19/25 13:26	1
Barium	0.14		0.0025		mg/L		05/16/25 08:25	05/19/25 13:26	1
Beryllium	<0.0010	^1+	0.0010		mg/L		05/16/25 08:25	05/19/25 13:26	1
Boron	0.95		0.050		mg/L		05/16/25 08:25	05/19/25 13:26	1
Cadmium	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 13:26	1
Calcium	150		0.20		mg/L		05/16/25 08:25	05/19/25 13:26	1
Chromium	0.011		0.0050		mg/L		05/16/25 08:25	05/19/25 13:26	1
Cobalt	<0.0010		0.0010		mg/L		05/16/25 08:25	05/19/25 13:26	1
Lead	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 13:26	1
Lithium	0.027		0.010		mg/L		05/16/25 08:25	05/19/25 13:26	1
Molybdenum	<0.0050		0.0050		mg/L		05/16/25 08:25	05/19/25 13:26	1
Selenium	<0.0025		0.0025		mg/L		05/16/25 08:25	05/19/25 13:26	1
Thallium	<0.0020		0.0020		mg/L		05/16/25 08:25	05/19/25 13:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	700		10		mg/L			05/17/25 06:02	1
Chloride (SM 4500 Cl- E)	65		4.0		mg/L			05/19/25 13:42	2
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			05/21/25 10:37	1
Sulfate (SM 4500 SO4 E)	43		5.0		mg/L			05/20/25 12:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-14

Lab Sample ID: 500-268206-9

Date Collected: 05/14/25 16:00

Matrix: Water

Date Received: 05/15/25 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/16/25 08:25	05/19/25 13:28	1
Arsenic	2.1		0.0010		mg/L		05/16/25 08:25	05/19/25 13:28	1
Barium	0.058		0.0025		mg/L		05/16/25 08:25	05/19/25 13:28	1
Beryllium	<0.0010	^1+	0.0010		mg/L		05/16/25 08:25	05/19/25 13:28	1
Boron	0.45		0.050		mg/L		05/16/25 08:25	05/19/25 13:28	1
Cadmium	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 13:28	1
Calcium	150		0.20		mg/L		05/16/25 08:25	05/19/25 13:28	1
Chromium	0.50		0.0050		mg/L		05/16/25 08:25	05/19/25 13:28	1
Cobalt	0.0011		0.0010		mg/L		05/16/25 08:25	05/19/25 13:28	1
Lead	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 13:28	1
Lithium	0.014		0.010		mg/L		05/16/25 08:25	05/19/25 13:28	1
Molybdenum	<0.0050		0.0050		mg/L		05/16/25 08:25	05/19/25 13:28	1
Selenium	<0.0025		0.0025		mg/L		05/16/25 08:25	05/19/25 13:28	1
Thallium	<0.0020		0.0020		mg/L		05/16/25 08:25	05/19/25 13:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	560		10		mg/L			05/17/25 06:04	1
Chloride (SM 4500 Cl- E)	34		2.0		mg/L			05/19/25 13:25	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			05/21/25 10:41	1
Sulfate (SM 4500 SO4 E)	18		5.0		mg/L			05/20/25 12:24	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Metals

Prep Batch: 817597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total Recoverable	Water	3005A	
500-268206-2	MW-02	Total Recoverable	Water	3005A	
500-268206-3	MW-03	Total Recoverable	Water	3005A	
500-268206-4	MW-04	Total Recoverable	Water	3005A	
MB 500-817597/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817597/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 817706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-5	MW-09	Total Recoverable	Water	3005A	
500-268206-6	MW-16	Total Recoverable	Water	3005A	
500-268206-7	Duplicate	Total Recoverable	Water	3005A	
MB 500-817706/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817706/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 817878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total Recoverable	Water	6020B	817597
500-268206-2	MW-02	Total Recoverable	Water	6020B	817597
500-268206-3	MW-03	Total Recoverable	Water	6020B	817597
500-268206-4	MW-04	Total Recoverable	Water	6020B	817597
MB 500-817597/1-A	Method Blank	Total Recoverable	Water	6020B	817597
LCS 500-817597/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817597

Prep Batch: 817948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-8	MW-11	Total Recoverable	Water	3005A	
500-268206-9	MW-14	Total Recoverable	Water	3005A	
MB 500-817948/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-817948/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 818169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-5	MW-09	Total Recoverable	Water	6020B	817706
500-268206-6	MW-16	Total Recoverable	Water	6020B	817706
500-268206-7	Duplicate	Total Recoverable	Water	6020B	817706
MB 500-817706/1-A	Method Blank	Total Recoverable	Water	6020B	817706
LCS 500-817706/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817706

Analysis Batch: 818182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total Recoverable	Water	6020B	817597
500-268206-2	MW-02	Total Recoverable	Water	6020B	817597
500-268206-3	MW-03	Total Recoverable	Water	6020B	817597
500-268206-4	MW-04	Total Recoverable	Water	6020B	817597
MB 500-817597/1-A	Method Blank	Total Recoverable	Water	6020B	817597
LCS 500-817597/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817597

Analysis Batch: 818344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-6	MW-16	Total Recoverable	Water	6020B	817706

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Metals (Continued)

Analysis Batch: 818344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-7	Duplicate	Total Recoverable	Water	6020B	817706
500-268206-8	MW-11	Total Recoverable	Water	6020B	817948
500-268206-9	MW-14	Total Recoverable	Water	6020B	817948
MB 500-817948/1-A	Method Blank	Total Recoverable	Water	6020B	817948
LCS 500-817948/2-A	Lab Control Sample	Total Recoverable	Water	6020B	817948

Prep Batch: 818548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	7470A	
500-268206-2	MW-02	Total/NA	Water	7470A	
500-268206-3	MW-03	Total/NA	Water	7470A	
500-268206-4	MW-04	Total/NA	Water	7470A	
500-268206-5	MW-09	Total/NA	Water	7470A	
500-268206-6	MW-16	Total/NA	Water	7470A	
500-268206-7	Duplicate	Total/NA	Water	7470A	
500-268206-8	MW-11	Total/NA	Water	7470A	
500-268206-9	MW-14	Total/NA	Water	7470A	
MB 500-818548/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-818548/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-268206-7 MS	Duplicate	Total/NA	Water	7470A	
500-268206-7 MSD	Duplicate	Total/NA	Water	7470A	
500-268206-7 DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 818745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	7470A	818548
500-268206-2	MW-02	Total/NA	Water	7470A	818548
500-268206-3	MW-03	Total/NA	Water	7470A	818548
500-268206-4	MW-04	Total/NA	Water	7470A	818548
500-268206-5	MW-09	Total/NA	Water	7470A	818548
500-268206-6	MW-16	Total/NA	Water	7470A	818548
500-268206-7	Duplicate	Total/NA	Water	7470A	818548
500-268206-8	MW-11	Total/NA	Water	7470A	818548
500-268206-9	MW-14	Total/NA	Water	7470A	818548
MB 500-818548/12-A	Method Blank	Total/NA	Water	7470A	818548
LCS 500-818548/13-A	Lab Control Sample	Total/NA	Water	7470A	818548
500-268206-7 MS	Duplicate	Total/NA	Water	7470A	818548
500-268206-7 MSD	Duplicate	Total/NA	Water	7470A	818548
500-268206-7 DU	Duplicate	Total/NA	Water	7470A	818548

General Chemistry

Analysis Batch: 817730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	SM 2540C	
500-268206-2	MW-02	Total/NA	Water	SM 2540C	
500-268206-3	MW-03	Total/NA	Water	SM 2540C	
500-268206-4	MW-04	Total/NA	Water	SM 2540C	
MB 500-817730/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-817730/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

General Chemistry

Analysis Batch: 818093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-5	MW-09	Total/NA	Water	SM 2540C	
500-268206-6	MW-16	Total/NA	Water	SM 2540C	
500-268206-7	Duplicate	Total/NA	Water	SM 2540C	
500-268206-8	MW-11	Total/NA	Water	SM 2540C	
500-268206-9	MW-14	Total/NA	Water	SM 2540C	
MB 500-818093/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-818093/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 818306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	SM 4500 F C	
500-268206-2	MW-02	Total/NA	Water	SM 4500 F C	
500-268206-3	MW-03	Total/NA	Water	SM 4500 F C	
500-268206-4	MW-04	Total/NA	Water	SM 4500 F C	
MB 500-818306/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-818306/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 818307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-268206-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-268206-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-268206-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-268206-6	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-268206-7	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-268206-8	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-268206-9	MW-14	Total/NA	Water	SM 4500 Cl- E	
MB 500-818307/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-818307/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 818457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-268206-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-268206-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-268206-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-268206-5	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-268206-6	MW-16	Total/NA	Water	SM 4500 SO4 E	
500-268206-7	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-268206-8	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-268206-9	MW-14	Total/NA	Water	SM 4500 SO4 E	
MB 500-818457/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-818457/67	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-818457/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-818457/68	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-268206-2 MS	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-268206-2 MSD	MW-02	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 818591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-5	MW-09	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

General Chemistry (Continued)

Analysis Batch: 818591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-6	MW-16	Total/NA	Water	SM 4500 F C	
500-268206-7	Duplicate	Total/NA	Water	SM 4500 F C	
500-268206-8	MW-11	Total/NA	Water	SM 4500 F C	
500-268206-9	MW-14	Total/NA	Water	SM 4500 F C	
MB 500-818591/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-818591/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 818653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-5	MW-09	Total/NA	Water	SM 4500 Cl- E	
MB 500-818653/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-818653/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-817597/1-A

Matrix: Water

Analysis Batch: 817878

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 817597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 08:35	05/15/25 13:24	1
Arsenic	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:24	1
Barium	<0.0025		0.0025		mg/L		05/14/25 08:35	05/15/25 13:24	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:24	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:24	1
Calcium	<0.20		0.20		mg/L		05/14/25 08:35	05/15/25 13:24	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:24	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 08:35	05/15/25 13:24	1
Lead	<0.00050		0.00050		mg/L		05/14/25 08:35	05/15/25 13:24	1
Lithium	<0.010		0.010		mg/L		05/14/25 08:35	05/15/25 13:24	1
Molybdenum	<0.0050		0.0050		mg/L		05/14/25 08:35	05/15/25 13:24	1
Selenium	<0.0025		0.0025		mg/L		05/14/25 08:35	05/15/25 13:24	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 08:35	05/15/25 13:24	1

Lab Sample ID: MB 500-817597/1-A

Matrix: Water

Analysis Batch: 818182

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 817597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		05/14/25 08:35	05/16/25 12:34	1

Lab Sample ID: LCS 500-817597/2-A

Matrix: Water

Analysis Batch: 817878

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 817597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.531		mg/L		106	80 - 120
Arsenic	0.100	0.0995		mg/L		100	80 - 120
Barium	0.500	0.520		mg/L		104	80 - 120
Beryllium	0.0500	0.0522		mg/L		104	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Calcium	10.0	8.97		mg/L		90	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.539		mg/L		108	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Lithium	0.100	0.107		mg/L		107	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-817597/2-A

Matrix: Water

Analysis Batch: 818182

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 817597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.06		mg/L		106	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

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

Lab Sample ID: MB 500-817706/1-A

Matrix: Water

Analysis Batch: 818169

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 817706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/14/25 15:56	05/16/25 14:45	1
Arsenic	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 14:45	1
Barium	<0.0025		0.0025		mg/L		05/14/25 15:56	05/16/25 14:45	1
Beryllium	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 14:45	1
Boron	<0.050		0.050		mg/L		05/14/25 15:56	05/16/25 14:45	1
Cadmium	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 14:45	1
Calcium	<0.20		0.20		mg/L		05/14/25 15:56	05/16/25 14:45	1
Chromium	<0.0050		0.0050		mg/L		05/14/25 15:56	05/16/25 14:45	1
Cobalt	<0.0010		0.0010		mg/L		05/14/25 15:56	05/16/25 14:45	1
Lead	<0.00050		0.00050		mg/L		05/14/25 15:56	05/16/25 14:45	1
Lithium	<0.010		0.010		mg/L		05/14/25 15:56	05/16/25 14:45	1
Molybdenum	<0.0050		0.0050		mg/L		05/14/25 15:56	05/16/25 14:45	1
Selenium	<0.0025		0.0025		mg/L		05/14/25 15:56	05/16/25 14:45	1
Thallium	<0.0020		0.0020		mg/L		05/14/25 15:56	05/16/25 14:45	1

Lab Sample ID: LCS 500-817706/2-A

Matrix: Water

Analysis Batch: 818169

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 817706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.517		mg/L		103	80 - 120
Arsenic	0.100	0.0949		mg/L		95	80 - 120
Barium	0.500	0.503		mg/L		101	80 - 120
Beryllium	0.0500	0.0523		mg/L		105	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Cadmium	0.0500	0.0496		mg/L		99	80 - 120
Calcium	10.0	8.77		mg/L		88	80 - 120
Chromium	0.200	0.197		mg/L		98	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Lead	0.100	0.0999		mg/L		100	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	0.984		mg/L		98	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: MB 500-817948/1-A

Matrix: Water

Analysis Batch: 818344

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 817948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/16/25 08:25	05/19/25 12:25	1
Arsenic	<0.0010		0.0010		mg/L		05/16/25 08:25	05/19/25 12:25	1
Barium	<0.0025		0.0025		mg/L		05/16/25 08:25	05/19/25 12:25	1
Beryllium	<0.0010	^1+	0.0010		mg/L		05/16/25 08:25	05/19/25 12:25	1
Boron	<0.050		0.050		mg/L		05/16/25 08:25	05/19/25 12:25	1
Cadmium	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 12:25	1
Calcium	<0.20		0.20		mg/L		05/16/25 08:25	05/19/25 12:25	1
Chromium	<0.0050		0.0050		mg/L		05/16/25 08:25	05/19/25 12:25	1
Cobalt	<0.0010		0.0010		mg/L		05/16/25 08:25	05/19/25 12:25	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

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

Lab Sample ID: MB 500-817948/1-A
Matrix: Water
Analysis Batch: 818344

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 817948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00050		0.00050		mg/L		05/16/25 08:25	05/19/25 12:25	1
Lithium	<0.010		0.010		mg/L		05/16/25 08:25	05/19/25 12:25	1
Molybdenum	<0.0050		0.0050		mg/L		05/16/25 08:25	05/19/25 12:25	1
Selenium	<0.0025		0.0025		mg/L		05/16/25 08:25	05/19/25 12:25	1
Thallium	<0.0020		0.0020		mg/L		05/16/25 08:25	05/19/25 12:25	1

Lab Sample ID: LCS 500-817948/2-A
Matrix: Water
Analysis Batch: 818344

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 817948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.517		mg/L		103	80 - 120
Arsenic	0.100	0.0972		mg/L		97	80 - 120
Barium	0.500	0.511		mg/L		102	80 - 120
Beryllium	0.0500	0.0510	^1+	mg/L		102	80 - 120
Boron	1.00	1.00		mg/L		100	80 - 120
Cadmium	0.0500	0.0503		mg/L		101	80 - 120
Calcium	10.0	8.94		mg/L		89	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.500	0.537		mg/L		107	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	0.978		mg/L		98	80 - 120
Selenium	0.100	0.103		mg/L		103	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-818548/12-A
Matrix: Water
Analysis Batch: 818745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 818548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/21/25 10:20	05/22/25 08:58	1

Lab Sample ID: LCS 500-818548/13-A
Matrix: Water
Analysis Batch: 818745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 818548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00197		mg/L		99	80 - 120

Lab Sample ID: 500-268206-7 MS
Matrix: Water
Analysis Batch: 818745

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 818548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000966		mg/L		97	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 500-268206-7 MSD

Matrix: Water

Analysis Batch: 818745

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 818548

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000986		mg/L		99	75 - 125	2	20

Lab Sample ID: 500-268206-7 DU

Matrix: Water

Analysis Batch: 818745

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 818548

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

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

Lab Sample ID: MB 500-817730/1

Matrix: Water

Analysis Batch: 817730

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/15/25 03:19	1

Lab Sample ID: LCS 500-817730/2

Matrix: Water

Analysis Batch: 817730

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	240		mg/L		96	80 - 120

Lab Sample ID: MB 500-818093/1

Matrix: Water

Analysis Batch: 818093

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/17/25 05:31	1

Lab Sample ID: LCS 500-818093/2

Matrix: Water

Analysis Batch: 818093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	230		mg/L		92	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-818307/67

Matrix: Water

Analysis Batch: 818307

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/19/25 13:23	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 500-818307/68

Matrix: Water

Analysis Batch: 818307

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.0		mg/L		105	85 - 115

Lab Sample ID: MB 500-818653/16

Matrix: Water

Analysis Batch: 818653

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/21/25 13:56	1

Lab Sample ID: LCS 500-818653/17

Matrix: Water

Analysis Batch: 818653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.1		mg/L		101	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-818306/31

Matrix: Water

Analysis Batch: 818306

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/19/25 12:29	1

Lab Sample ID: LCS 500-818306/32

Matrix: Water

Analysis Batch: 818306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.96		mg/L		100	90 - 119

Lab Sample ID: MB 500-818591/3

Matrix: Water

Analysis Batch: 818591

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/21/25 10:09	1

Lab Sample ID: LCS 500-818591/4

Matrix: Water

Analysis Batch: 818591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.1		mg/L		101	90 - 119

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-818457/16

Matrix: Water

Analysis Batch: 818457

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/20/25 11:22	1

Lab Sample ID: MB 500-818457/67

Matrix: Water

Analysis Batch: 818457

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/20/25 12:23	1

Lab Sample ID: LCS 500-818457/17

Matrix: Water

Analysis Batch: 818457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.8		mg/L		104	88 - 123

Lab Sample ID: LCS 500-818457/68

Matrix: Water

Analysis Batch: 818457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.6		mg/L		108	88 - 123

Lab Sample ID: 500-268206-2 MS

Matrix: Water

Analysis Batch: 818457

Client Sample ID: MW-02

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	200	F1	20.0	208	4	mg/L		46	75 - 125

Lab Sample ID: 500-268206-2 MSD

Matrix: Water

Analysis Batch: 818457

Client Sample ID: MW-02

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	200	F1	20.0	211	4	mg/L		61	75 - 125	1	20

Ver: 10/10/2024 5/25/2025

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estAmerica

KPRG AND ASSOCIATES, INC
14665 WEST LINSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

CAD 07803077/CAFE3855

Part # 59479-434 MTW EXP 09/25

10 **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 634-6200

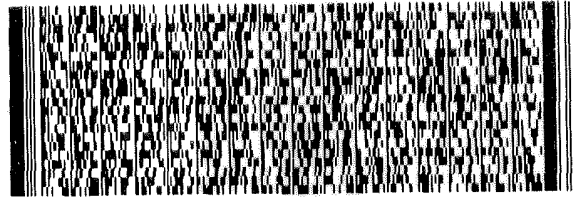
REF:

INV:

PO:

DEP1

RMA



FedEx
Express



RETURNS MON-SAT

PRIORITY OVERNIGHT
TUE - 13 MAY 10:30A
PRIORITY OVERNIGHT

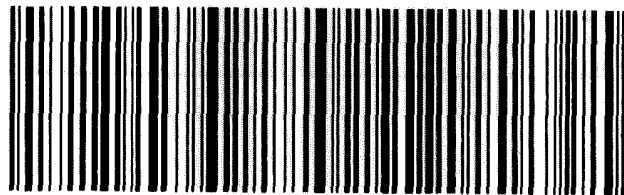
FedEx

TRK#
0221 4523 1806 2875

79 JOTA

60487

IL-US **ORD**



500-268206 Waybi

5.645.9

ABILITY OF THE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

11/11/01 23:50:00
CAD 0780307/CAFE3855



500-268206 Waybi

TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(780) 534-5200

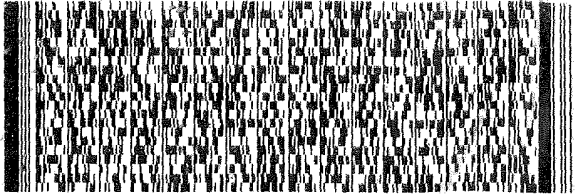
REF

DEPT

INV

PO

RMA



FedEx
Express



FedEx

TRK#
0221

4523 1806 2853

DELIVERING MON DAY
WED - 14 MAY 10:30A
PRIORITY OVERNIGHT

79 JOTA

49-752

60487
IL-US ORD



77
KPRG
EXP 11/25

* KALYN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 07803077/CAFE3855

Pay # 159468-434 MW EXP 10/25
SR05/1184/FF20

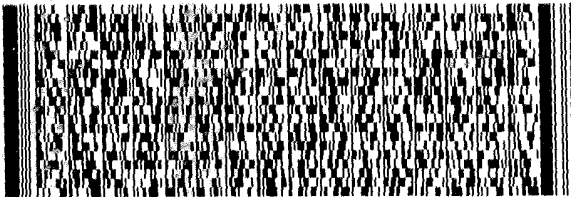
TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 634-5200
INV: POI

REF:

DEPT:

RMA



J2430240/040101

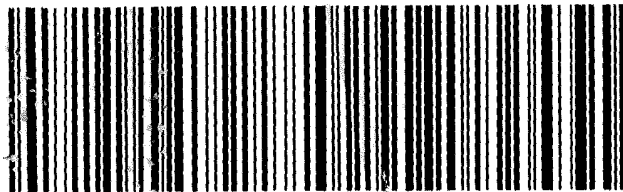
FedEx
TRK# 4523 1806 3080
0221

THU - 15 MAY 10:30A
PRIORITY OVERNIGHT

79 JOTA

60487
ORD

IL-US



159468-434 MW EXP 11/25

#5694419 05/14 580J4/EA36/59F2



500-268206 Waybi

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268206-1

Login Number: 268206

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9,5.2,2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-01

Date Collected: 05/12/25 12:10

Date Received: 05/13/25 09:15

Lab Sample ID: 500-268206-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	817878	RN	EET CHI	05/15/25 13:50
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:06
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:02
Total/NA	Analysis	SM 2540C		1	817730	CLB	EET CHI	05/15/25 03:44
Total/NA	Analysis	SM 4500 CI- E		2	818307	TR	EET CHI	05/19/25 13:41
Total/NA	Analysis	SM 4500 F C		1	818306	AC	EET CHI	05/19/25 13:47
Total/NA	Analysis	SM 4500 SO4 E		5	818457	TR	EET CHI	05/20/25 11:48

Client Sample ID: MW-02

Date Collected: 05/12/25 13:07

Date Received: 05/13/25 09:15

Lab Sample ID: 500-268206-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	817878	RN	EET CHI	05/15/25 13:53
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:08
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:04
Total/NA	Analysis	SM 2540C		1	817730	CLB	EET CHI	05/15/25 03:47
Total/NA	Analysis	SM 4500 CI- E		2	818307	TR	EET CHI	05/19/25 13:40
Total/NA	Analysis	SM 4500 F C		1	818306	AC	EET CHI	05/19/25 13:50
Total/NA	Analysis	SM 4500 SO4 E		5	818457	TR	EET CHI	05/20/25 11:48

Client Sample ID: MW-03

Date Collected: 05/12/25 14:29

Date Received: 05/13/25 09:15

Lab Sample ID: 500-268206-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	817878	RN	EET CHI	05/15/25 13:55
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:11
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:06
Total/NA	Analysis	SM 2540C		1	817730	CLB	EET CHI	05/15/25 03:50
Total/NA	Analysis	SM 4500 CI- E		2	818307	TR	EET CHI	05/19/25 13:41
Total/NA	Analysis	SM 4500 F C		1	818306	AC	EET CHI	05/19/25 13:53
Total/NA	Analysis	SM 4500 SO4 E		5	818457	TR	EET CHI	05/20/25 13:15

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: MW-04

Date Collected: 05/12/25 15:23

Date Received: 05/13/25 09:15

Lab Sample ID: 500-268206-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	817878	RN	EET CHI	05/15/25 13:57
Total Recoverable	Prep	3005A			817597	BDE	EET CHI	05/14/25 08:35 - 05/14/25 14:35 ¹
Total Recoverable	Analysis	6020B		1	818182	RN	EET CHI	05/16/25 13:14
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:09
Total/NA	Analysis	SM 2540C		1	817730	CLB	EET CHI	05/15/25 03:52
Total/NA	Analysis	SM 4500 CI- E		2	818307	TR	EET CHI	05/19/25 13:41
Total/NA	Analysis	SM 4500 F C		1	818306	AC	EET CHI	05/19/25 14:06
Total/NA	Analysis	SM 4500 SO4 E		5	818457	TR	EET CHI	05/20/25 13:16

Client Sample ID: MW-09

Date Collected: 05/13/25 11:25

Date Received: 05/14/25 09:20

Lab Sample ID: 500-268206-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817706	S1Z	EET CHI	05/14/25 15:56 - 05/14/25 21:56 ¹
Total Recoverable	Analysis	6020B		1	818169	RN	EET CHI	05/16/25 15:24
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:11
Total/NA	Analysis	SM 2540C		1	818093	CLB	EET CHI	05/17/25 05:54
Total/NA	Analysis	SM 4500 CI- E		5	818653	TR	EET CHI	05/21/25 13:57
Total/NA	Analysis	SM 4500 F C		1	818591	AC	EET CHI	05/21/25 10:27
Total/NA	Analysis	SM 4500 SO4 E		5	818457	TR	EET CHI	05/20/25 13:16

Client Sample ID: MW-16

Date Collected: 05/13/25 10:00

Date Received: 05/14/25 09:20

Lab Sample ID: 500-268206-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817706	S1Z	EET CHI	05/14/25 15:56 - 05/14/25 21:56 ¹
Total Recoverable	Analysis	6020B		1	818169	RN	EET CHI	05/16/25 15:27
Total Recoverable	Prep	3005A			817706	S1Z	EET CHI	05/14/25 15:56 - 05/14/25 21:56 ¹
Total Recoverable	Analysis	6020B		5	818344	RN	EET CHI	05/19/25 12:13
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:13
Total/NA	Analysis	SM 2540C		1	818093	CLB	EET CHI	05/17/25 05:56
Total/NA	Analysis	SM 4500 CI- E		5	818307	TR	EET CHI	05/19/25 13:42
Total/NA	Analysis	SM 4500 F C		1	818591	AC	EET CHI	05/21/25 10:31
Total/NA	Analysis	SM 4500 SO4 E		10	818457	TR	EET CHI	05/20/25 13:16

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Client Sample ID: Duplicate

Lab Sample ID: 500-268206-7

Date Collected: 05/13/25 00:00

Matrix: Water

Date Received: 05/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817706	S1Z	EET CHI	05/14/25 15:56 - 05/14/25 21:56 ¹
Total Recoverable	Analysis	6020B		1	818169	RN	EET CHI	05/16/25 15:46
Total Recoverable	Prep	3005A			817706	S1Z	EET CHI	05/14/25 15:56 - 05/14/25 21:56 ¹
Total Recoverable	Analysis	6020B		5	818344	RN	EET CHI	05/19/25 12:16
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 09:15
Total/NA	Analysis	SM 2540C		1	818093	CLB	EET CHI	05/17/25 05:59
Total/NA	Analysis	SM 4500 CI- E		5	818307	TR	EET CHI	05/19/25 13:42
Total/NA	Analysis	SM 4500 F C		1	818591	AC	EET CHI	05/21/25 10:34
Total/NA	Analysis	SM 4500 SO4 E		10	818457	TR	EET CHI	05/20/25 13:17

Client Sample ID: MW-11

Lab Sample ID: 500-268206-8

Date Collected: 05/14/25 14:44

Matrix: Water

Date Received: 05/15/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817948	BDE	EET CHI	05/16/25 08:25 - 05/16/25 14:25 ¹
Total Recoverable	Analysis	6020B		1	818344	RN	EET CHI	05/19/25 13:26
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 10:23
Total/NA	Analysis	SM 2540C		1	818093	CLB	EET CHI	05/17/25 06:02
Total/NA	Analysis	SM 4500 CI- E		2	818307	TR	EET CHI	05/19/25 13:42
Total/NA	Analysis	SM 4500 F C		1	818591	AC	EET CHI	05/21/25 10:37
Total/NA	Analysis	SM 4500 SO4 E		1	818457	TR	EET CHI	05/20/25 12:24

Client Sample ID: MW-14

Lab Sample ID: 500-268206-9

Date Collected: 05/14/25 16:00

Matrix: Water

Date Received: 05/15/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			817948	BDE	EET CHI	05/16/25 08:25 - 05/16/25 14:25 ¹
Total Recoverable	Analysis	6020B		1	818344	RN	EET CHI	05/19/25 13:28
Total/NA	Prep	7470A			818548	MJG	EET CHI	05/21/25 10:20 - 05/21/25 12:20 ¹
Total/NA	Analysis	7470A		1	818745	MJG	EET CHI	05/22/25 10:25
Total/NA	Analysis	SM 2540C		1	818093	CLB	EET CHI	05/17/25 06:04
Total/NA	Analysis	SM 4500 CI- E		1	818307	TR	EET CHI	05/19/25 13:25
Total/NA	Analysis	SM 4500 F C		1	818591	AC	EET CHI	05/21/25 10:41
Total/NA	Analysis	SM 4500 SO4 E		1	818457	TR	EET CHI	05/20/25 12:24

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Eurofins Chicago

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-268206-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-26

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 6/17/2025 3:13:36 PM

JOB DESCRIPTION

Waukegan CCR (RAD)

JOB NUMBER

500-268206-2

Eurofins Chicago

Job Notes

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

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

Authorization



Generated
6/17/2025 3:13:36 PM

Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570

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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR (RAD)

Job ID: 500-268206-2

Job ID: 500-268206-2

Eurofins Chicago

Job Narrative 500-268206-2

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

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

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

Receipt

The samples were received on 5/13/2025 9:15 AM, 5/14/2025 9:20 AM and 5/15/2025 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.3°C, 5.2°C and 5.9°C.

Gas Flow Proportional Counter

Method 904.0: Radium-228 prep batch 160-718701:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: MW-11 (500-268206-8) . Analytical results are reported with the detection limit achieved.

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

Rad

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

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-268206-1	MW-01	Water	05/12/25 12:10	05/13/25 09:15
500-268206-2	MW-02	Water	05/12/25 13:07	05/13/25 09:15
500-268206-3	MW-03	Water	05/12/25 14:29	05/13/25 09:15
500-268206-4	MW-04	Water	05/12/25 15:23	05/13/25 09:15
500-268206-5	MW-09	Water	05/13/25 11:25	05/14/25 09:20
500-268206-6	MW-16	Water	05/13/25 10:00	05/14/25 09:20
500-268206-7	Duplicate	Water	05/13/25 00:00	05/14/25 09:20
500-268206-8	MW-11	Water	05/14/25 14:44	05/15/25 09:40
500-268206-9	MW-14	Water	05/14/25 16:00	05/15/25 09:40

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-01

Lab Sample ID: 500-268206-1

Date Collected: 05/12/25 12:10

Matrix: Water

Date Received: 05/13/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.247	U	0.128	0.128	1.00	0.247	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.668	U	0.365	0.365	1.00	0.668	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	75.9		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.668	U	0.387	0.387	5.00	0.668	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-02

Lab Sample ID: 500-268206-2

Date Collected: 05/12/25 13:07

Matrix: Water

Date Received: 05/13/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.307	U	0.184	0.184	1.00	0.307	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.529	U	0.353	0.356	1.00	0.529	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	80.0		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.640		0.398	0.401	5.00	0.529	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-03

Lab Sample ID: 500-268206-3

Date Collected: 05/12/25 14:29

Matrix: Water

Date Received: 05/13/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.250		0.167	0.169	1.00	0.198	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.804	U	0.462	0.463	1.00	0.804	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	74.4		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.804	U	0.491	0.493	5.00	0.804	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-04

Lab Sample ID: 500-268206-4

Date Collected: 05/12/25 15:23

Matrix: Water

Date Received: 05/13/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.301	U	0.180	0.180	1.00	0.301	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.671	U	0.379	0.379	1.00	0.671	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	77.0		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.671	U	0.420	0.420	5.00	0.671	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-09

Lab Sample ID: 500-268206-5

Date Collected: 05/13/25 11:25

Matrix: Water

Date Received: 05/14/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.409		0.237	0.239	1.00	0.323	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.505		0.338	0.341	1.00	0.498	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	80.4		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.914		0.413	0.416	5.00	0.498	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-16

Lab Sample ID: 500-268206-6

Date Collected: 05/13/25 10:00

Matrix: Water

Date Received: 05/14/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.329		0.218	0.220	1.00	0.297	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.4		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.746		0.432	0.438	1.00	0.604	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.4		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	71.4		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.07		0.484	0.490	5.00	0.604	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: Duplicate

Lab Sample ID: 500-268206-7

Date Collected: 05/13/25 00:00

Matrix: Water

Date Received: 05/14/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.263	U	0.161	0.162	1.00	0.263	pCi/L	05/22/25 08:01	06/17/25 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					05/22/25 08:01	06/17/25 07:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.613	U	0.397	0.400	1.00	0.613	pCi/L	05/22/25 08:06	06/16/25 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					05/22/25 08:06	06/16/25 14:08	1
Y Carrier	76.6		30 - 110					05/22/25 08:06	06/16/25 14:08	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.647		0.428	0.432	5.00	0.613	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-11

Lab Sample ID: 500-268206-8

Date Collected: 05/14/25 14:44

Matrix: Water

Date Received: 05/15/25 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.56		0.696	0.733	1.00	0.599	pCi/L	05/22/25 08:01	06/17/25 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.1		30 - 110					05/22/25 08:01	06/17/25 09:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	10.6	G	1.78	2.03	1.00	1.58	pCi/L	05/22/25 08:06	06/16/25 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.1		30 - 110					05/22/25 08:06	06/16/25 14:09	1
Y Carrier	76.6		30 - 110					05/22/25 08:06	06/16/25 14:09	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.2		1.91	2.16	5.00	1.58	pCi/L		06/17/25 13:46	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-14

Lab Sample ID: 500-268206-9

Date Collected: 05/14/25 16:00

Matrix: Water

Date Received: 05/15/25 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.266	U	0.178	0.179	1.00	0.266	pCi/L	05/22/25 08:01	06/17/25 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.1		30 - 110					05/22/25 08:01	06/17/25 09:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.764	U	0.426	0.426	1.00	0.764	pCi/L	05/22/25 08:06	06/16/25 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.1		30 - 110					05/22/25 08:06	06/16/25 14:09	1
Y Carrier	71.8		30 - 110					05/22/25 08:06	06/16/25 14:09	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.764	U	0.462	0.462	5.00	0.764	pCi/L		06/17/25 13:46	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Rad

Prep Batch: 718700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	PrecSep-21	
500-268206-2	MW-02	Total/NA	Water	PrecSep-21	
500-268206-3	MW-03	Total/NA	Water	PrecSep-21	
500-268206-4	MW-04	Total/NA	Water	PrecSep-21	
500-268206-5	MW-09	Total/NA	Water	PrecSep-21	
500-268206-6	MW-16	Total/NA	Water	PrecSep-21	
500-268206-7	Duplicate	Total/NA	Water	PrecSep-21	
500-268206-8	MW-11	Total/NA	Water	PrecSep-21	
500-268206-9	MW-14	Total/NA	Water	PrecSep-21	
MB 160-718700/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-718700/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 718701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-268206-1	MW-01	Total/NA	Water	PrecSep_0	
500-268206-2	MW-02	Total/NA	Water	PrecSep_0	
500-268206-3	MW-03	Total/NA	Water	PrecSep_0	
500-268206-4	MW-04	Total/NA	Water	PrecSep_0	
500-268206-5	MW-09	Total/NA	Water	PrecSep_0	
500-268206-6	MW-16	Total/NA	Water	PrecSep_0	
500-268206-7	Duplicate	Total/NA	Water	PrecSep_0	
500-268206-8	MW-11	Total/NA	Water	PrecSep_0	
500-268206-9	MW-14	Total/NA	Water	PrecSep_0	
MB 160-718701/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-718701/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-718700/1-A

Matrix: Water

Analysis Batch: 722748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 718700

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.258	U	0.173	0.174	1.00	0.258	pCi/L	05/22/25 08:01	06/17/25 07:42	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					05/22/25 08:01	06/17/25 07:42	1

Lab Sample ID: LCS 160-718700/2-A

Matrix: Water

Analysis Batch: 722748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 718700

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.476		1.13	1.00	0.312	pCi/L	89	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.5		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-718701/1-A

Matrix: Water

Analysis Batch: 722649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 718701

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.580	U	0.317	0.317	1.00	0.580	pCi/L	05/22/25 08:06	06/16/25 14:02	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					05/22/25 08:06	06/16/25 14:02	1
Y Carrier	84.1		30 - 110					05/22/25 08:06	06/16/25 14:02	1

Lab Sample ID: LCS 160-718701/2-A

Matrix: Water

Analysis Batch: 722649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 718701

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.34	10.97		1.45	1.00	0.515	pCi/L	117	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.5		30 - 110							
Y Carrier	79.3		30 - 110							

Eurofins Chicago

Ver: 10/10/2024 6/17/2025

 eurofins | Environment Testing

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enviroment
estAmerica

KPRG AND ASSOCIATES, INC
14665 WEST LINSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

CAD 07803077/CAFE3855

Part # 59479-434 MTW EXP 09/25

10 **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 634-6200

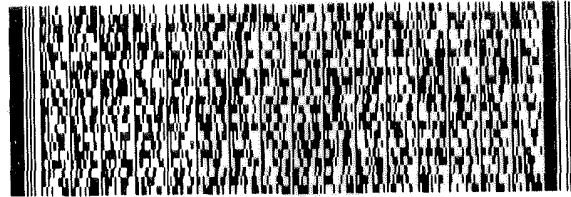
REF:

INV:

PO:

DEP1

RMA



FedEx
Express



RETURNS MON-SAT

PRIORITY OVERNIGHT
TUE - 13 MAY 10:30A
PRIORITY OVERNIGHT

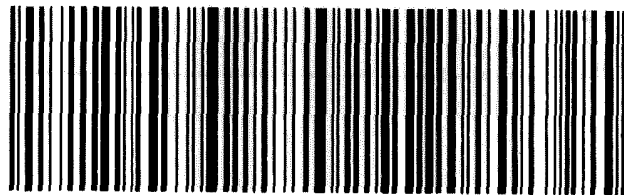
FedEx

TRK#
0221 4523 1806 2875

79 JOTA

60487

IL-US ORD



500-268206 Waybi

5.645.9

CAD 0780307/CAFE3855



500-268206 Waybi

(708) 534-5200

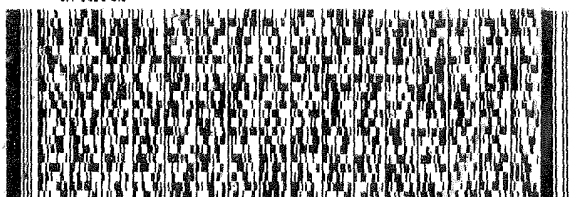
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DEP-5

INV.
PO

3 RMA

RMA III III III



FedEx
Express



0480-4070

DETROIT: MAY 1 - CAT

WED - 14 MAY 10:30A

PRIORITY OVERNIGHT



TRK#
0221

4523 1806 2853

79 JOTA

4975 IL-U

60487
ORD

10- US



9062853
77
APR 11

* KALYN SPERLE
KPRG AND ASSOCIATES, INC
14665 WEST LIBSON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 07803077/CAFE3855

Pay # 159468-434 MW EXP 10/25
SR05/1184/FF20

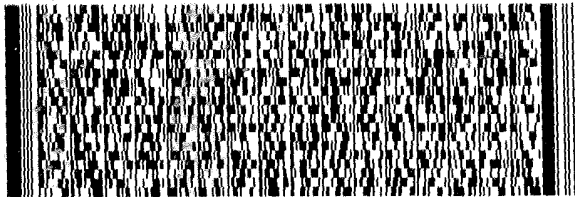
TO **SAMPLE RECEIPT**
EUROFINS
18410 CROSSING DRIVE
SUITE E
TINLEY PARK IL 60487

(708) 634-5200
INV: POI

REF:

DEPT:

RMA



J2430240/040104

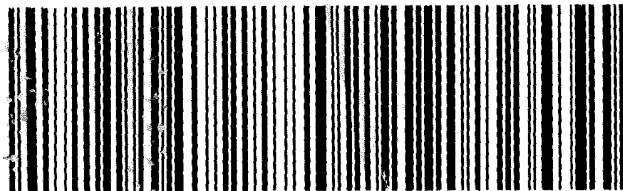
FedEx
TRK# 4523 1806 3080
0221

THU - 15 MAY 10:30A
PRIORITY OVERNIGHT

79 JOTA

60487
ORD

IL-US



159468-434 MW EXP 11/25

#5694419 05/14 580J4/EA36/59F2



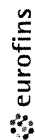
500-268206 Waybi

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268206-2

Login Number: 268206

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9,5.2,2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268206-2

Login Number: 268206

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 05/14/25 12:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268206-2

Login Number: 268206

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 05/15/25 11:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-268206-2

Login Number: 268206

List Number: 4

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 05/19/25 11:30 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-01

Lab Sample ID: 500-268206-1

Date Collected: 05/12/25 12:10

Matrix: Water

Date Received: 05/13/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: MW-02

Lab Sample ID: 500-268206-2

Date Collected: 05/12/25 13:07

Matrix: Water

Date Received: 05/13/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: MW-03

Lab Sample ID: 500-268206-3

Date Collected: 05/12/25 14:29

Matrix: Water

Date Received: 05/13/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: MW-04

Lab Sample ID: 500-268206-4

Date Collected: 05/12/25 15:23

Matrix: Water

Date Received: 05/13/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-09

Lab Sample ID: 500-268206-5

Date Collected: 05/13/25 11:25

Matrix: Water

Date Received: 05/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: MW-16

Lab Sample ID: 500-268206-6

Date Collected: 05/13/25 10:00

Matrix: Water

Date Received: 05/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: Duplicate

Lab Sample ID: 500-268206-7

Date Collected: 05/13/25 00:00

Matrix: Water

Date Received: 05/14/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 07:43
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:08
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Client Sample ID: MW-11

Lab Sample ID: 500-268206-8

Date Collected: 05/14/25 14:44

Matrix: Water

Date Received: 05/15/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 09:35
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:09
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Client Sample ID: MW-14
Date Collected: 05/14/25 16:00
Date Received: 05/15/25 09:40

Lab Sample ID: 500-268206-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			718700	OGC	EET SL	05/22/25 08:01
Total/NA	Analysis	903.0		1	722847	SWS	EET SL	06/17/25 09:35
Total/NA	Prep	PrecSep_0			718701	OGC	EET SL	05/22/25 08:06
Total/NA	Analysis	904.0		1	722446	SCB	EET SL	06/16/25 14:09
Total/NA	Analysis	Ra226_Ra228		1	722908	FLC	EET SL	06/17/25 13:46

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-268206-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba					
		(30-110)					
500-268206-1	MW-01	86.1					
500-268206-2	MW-02	88.1					
500-268206-3	MW-03	72.9					
500-268206-4	MW-04	78.6					
500-268206-5	MW-09	92.3					
500-268206-6	MW-16	77.4					
500-268206-7	Duplicate	87.6					
500-268206-8	MW-11	77.1					
500-268206-9	MW-14	76.1					
LCS 160-718700/2-A	Lab Control Sample	90.5					
MB 160-718700/1-A	Method Blank	83.6					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba	Y				
		(30-110)	(30-110)				
500-268206-1	MW-01	86.1	75.9				
500-268206-2	MW-02	88.1	80.0				
500-268206-3	MW-03	72.9	74.4				
500-268206-4	MW-04	78.6	77.0				
500-268206-5	MW-09	92.3	80.4				
500-268206-6	MW-16	77.4	71.4				
500-268206-7	Duplicate	87.6	76.6				
500-268206-8	MW-11	77.1	76.6				
500-268206-9	MW-14	76.1	71.8				
LCS 160-718701/2-A	Lab Control Sample	90.5	79.3				
MB 160-718701/1-A	Method Blank	83.6	84.1				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005
Generated 10/26/2025 2:44:57 PM Revision 1

JOB DESCRIPTION

Waukegan CCR
Quarterly Waukegan CCR

JOB NUMBER

500-272580-1

Eurofins Chicago

Job Notes

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

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

Authorization



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Revision 1

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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR

Job ID: 500-272580-1

Job ID: 500-272580-1

Eurofins Chicago

Job Narrative 500-272580-1

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

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

Receipt

The samples were received on 8/5/2025 9:05 AM and 8/6/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 9.5°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: water present in cooler indicating melted ice.

Metals

Method 6020B - Total Recoverable: The initial lo level calibration verification (ICVL) result for batch 500-830406 was above the upper control limit. The affected analytes are: Beryllium. Sample results were non-detects, and have been reported as qualified data.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-09 (500-272580-6) and MW-16 (500-272580-9). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-272580-1	MW-01	Water	08/04/25 11:33	08/05/25 09:05	Illinois
500-272580-2	MW-02	Water	08/04/25 12:56	08/05/25 09:05	Illinois
500-272580-3	MW-03	Water	08/04/25 14:04	08/05/25 09:05	Illinois
500-272580-4	MW-04	Water	08/04/25 15:26	08/05/25 09:05	Illinois
500-272580-5	Duplicate	Water	08/04/25 00:00	08/05/25 09:05	Illinois
500-272580-6	MW-09	Water	08/05/25 10:54	08/06/25 09:05	Illinois
500-272580-7	MW-11	Water	08/05/25 13:46	08/06/25 09:05	Illinois
500-272580-8	MW-14	Water	08/05/25 12:13	08/06/25 09:05	Illinois
500-272580-9	MW-16	Water	08/05/25 10:00	08/06/25 09:05	Illinois

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-01

Lab Sample ID: 500-272580-1

Date Collected: 08/04/25 11:33

Matrix: Water

Date Received: 08/05/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Arsenic	15		1.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Barium	27		2.5		ug/L		08/06/25 13:35	08/07/25 12:12	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Boron	1800		50		ug/L		08/06/25 13:35	08/07/25 12:12	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:12	1
Calcium	45		0.20		mg/L		08/06/25 13:35	08/07/25 12:12	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:12	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:12	1
Molybdenum	27		5.0		ug/L		08/06/25 13:35	08/07/25 12:12	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:12	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	390		10		mg/L			08/06/25 08:09	1
Chloride (SM 4500 Cl- E)	73	F1	4.0		mg/L			08/06/25 15:15	2
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			08/11/25 16:44	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			08/10/25 13:19	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.14				SU			08/04/25 11:33	1
Field Temperature	56.7				Degrees F			08/04/25 11:33	1
Groundwater Elevation	580.62				ft			08/04/25 11:33	1
Oxidation Reduction Potential	225.7				millivolts			08/04/25 11:33	1
Oxygen, Dissolved	0.26				mg/L			08/04/25 11:33	1
Specific Conductance	0.538				mS/cm			08/04/25 11:33	1
Turbidity	8.42				NTU			08/04/25 11:33	1

Eurofins Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-02

Lab Sample ID: 500-272580-2

Date Collected: 08/04/25 12:56

Matrix: Water

Date Received: 08/05/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Arsenic	8.4		1.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Barium	17		2.5		ug/L		08/06/25 13:35	08/07/25 12:24	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Boron	3300		50		ug/L		08/06/25 13:35	08/07/25 12:24	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:24	1
Calcium	45		0.20		mg/L		08/06/25 13:35	08/07/25 12:24	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:24	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:24	1
Molybdenum	31		5.0		ug/L		08/06/25 13:35	08/07/25 12:24	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:24	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	440		10		mg/L			08/06/25 08:11	1
Chloride (SM 4500 Cl- E)	68		4.0		mg/L			08/06/25 16:37	2
Fluoride (SM 4500 F C)	0.56		0.10		mg/L			08/11/25 16:59	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			08/10/25 12:49	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.57				SU			08/04/25 12:56	1
Field Temperature	56.7				Degrees F			08/04/25 12:56	1
Groundwater Elevation	580.57				ft			08/04/25 12:56	1
Oxidation Reduction Potential	135.1				millivolts			08/04/25 12:56	1
Oxygen, Dissolved	0.64				mg/L			08/04/25 12:56	1
Specific Conductance	0.663				mS/cm			08/04/25 12:56	1
Turbidity	18.02				NTU			08/04/25 12:56	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-03

Lab Sample ID: 500-272580-3

Date Collected: 08/04/25 14:04

Matrix: Water

Date Received: 08/05/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Arsenic	16		1.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Barium	6.7		2.5		ug/L		08/06/25 13:35	08/07/25 12:26	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Boron	3700		50		ug/L		08/06/25 13:35	08/07/25 12:26	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:26	1
Calcium	54		0.20		mg/L		08/06/25 13:35	08/07/25 12:26	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:26	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:26	1
Molybdenum	34		5.0		ug/L		08/06/25 13:35	08/07/25 12:26	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:26	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520		10		mg/L			08/06/25 08:14	1
Chloride (SM 4500 Cl- E)	53		4.0		mg/L			08/06/25 16:37	2
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			08/11/25 17:06	1
Sulfate (SM 4500 SO4 E)	240		25		mg/L			08/10/25 12:50	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	10.00				SU			08/04/25 14:04	1
Field Temperature	56.7				Degrees F			08/04/25 14:04	1
Groundwater Elevation	580.56				ft			08/04/25 14:04	1
Oxidation Reduction Potential	132.7				millivolts			08/04/25 14:04	1
Oxygen, Dissolved	0.27				mg/L			08/04/25 14:04	1
Specific Conductance	0.704				mS/cm			08/04/25 14:04	1
Turbidity	10.15				NTU			08/04/25 14:04	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-04

Lab Sample ID: 500-272580-4

Date Collected: 08/04/25 15:26

Matrix: Water

Date Received: 08/05/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Arsenic	10		1.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Barium	19		2.5		ug/L		08/06/25 13:35	08/07/25 12:28	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Boron	2400		50		ug/L		08/06/25 13:35	08/07/25 12:28	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:28	1
Calcium	42		0.20		mg/L		08/06/25 13:35	08/07/25 12:28	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:28	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:28	1
Molybdenum	54		5.0		ug/L		08/06/25 13:35	08/07/25 12:28	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:28	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			08/06/25 08:17	1
Chloride (SM 4500 Cl- E)	75	F1	4.0		mg/L			08/06/25 16:37	2
Fluoride (SM 4500 F C)	0.56		0.10		mg/L			08/11/25 17:12	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			08/10/25 12:51	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.19				SU			08/04/25 15:26	1
Field Temperature	55.4				Degrees F			08/04/25 15:26	1
Groundwater Elevation	580.22				ft			08/04/25 15:26	1
Oxidation Reduction Potential	140.3				millivolts			08/04/25 15:26	1
Oxygen, Dissolved	0.13				mg/L			08/04/25 15:26	1
Specific Conductance	0.708				mS/cm			08/04/25 15:26	1
Turbidity	8.14				NTU			08/04/25 15:26	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: Duplicate

Lab Sample ID: 500-272580-5

Date Collected: 08/04/25 00:00

Matrix: Water

Date Received: 08/05/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Arsenic	16		1.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Barium	27		2.5		ug/L		08/06/25 13:35	08/07/25 12:40	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Boron	1800		50		ug/L		08/06/25 13:35	08/07/25 12:40	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:40	1
Calcium	45		0.20		mg/L		08/06/25 13:35	08/07/25 12:40	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:40	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:40	1
Molybdenum	28		5.0		ug/L		08/06/25 13:35	08/07/25 12:40	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:40	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	330		10		mg/L			08/06/25 08:19	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			08/06/25 16:36	2
Fluoride (SM 4500 F C)	0.32		0.10		mg/L			08/11/25 17:19	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			08/10/25 13:19	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-09

Lab Sample ID: 500-272580-6

Date Collected: 08/05/25 10:54

Matrix: Water

Date Received: 08/06/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Arsenic	18		1.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Barium	130		2.5		ug/L		08/08/25 14:16	08/15/25 14:11	1
Beryllium	<1.0	^1+	1.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Boron	8000		250		ug/L		08/08/25 14:16	08/18/25 15:27	5
Cadmium	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:11	1
Calcium	150		0.20		mg/L		08/08/25 14:16	08/15/25 14:11	1
Chromium	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Cobalt	<1.0		1.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Lead	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:11	1
Lithium	38		10		ug/L		08/08/25 14:16	08/15/25 14:11	1
Molybdenum	97		5.0		ug/L		08/08/25 14:16	08/15/25 14:11	1
Selenium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 14:11	1
Thallium	<2.0		2.0		ug/L		08/08/25 14:16	08/15/25 14:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			08/08/25 09:01	1
Chloride (SM 4500 Cl- E)	230		20		mg/L			08/11/25 09:09	10
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			08/11/25 20:29	1
Sulfate (SM 4500 SO4 E)	240		25		mg/L			08/10/25 12:51	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			08/05/25 10:54	1
Field Temperature	56.8				Degrees F			08/05/25 10:54	1
Groundwater Elevation	582.96				ft			08/05/25 10:54	1
Oxidation Reduction Potential	-97.1				millivolts			08/05/25 10:54	1
Oxygen, Dissolved	0.06				mg/L			08/05/25 10:54	1
Specific Conductance	1.421				mS/cm			08/05/25 10:54	1
Turbidity	19.19				NTU			08/05/25 10:54	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-11

Lab Sample ID: 500-272580-7

Date Collected: 08/05/25 13:46

Matrix: Water

Date Received: 08/06/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Arsenic	590		1.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Barium	68		2.5		ug/L		08/08/25 14:16	08/15/25 14:18	1
Beryllium	<1.0	^1+	1.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Boron	940		50		ug/L		08/08/25 14:16	08/18/25 15:30	1
Cadmium	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:18	1
Calcium	140		0.20		mg/L		08/08/25 14:16	08/15/25 14:18	1
Chromium	5.7		5.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Cobalt	<1.0		1.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Lead	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:18	1
Lithium	29		10		ug/L		08/08/25 14:16	08/15/25 14:18	1
Molybdenum	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 14:18	1
Selenium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 14:18	1
Thallium	<2.0		2.0		ug/L		08/08/25 14:16	08/15/25 14:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	700		10		mg/L			08/08/25 09:04	1
Chloride (SM 4500 Cl- E)	67	F1	4.0		mg/L			08/11/25 09:09	2
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			08/11/25 20:36	1
Sulfate (SM 4500 SO4 E)	40		5.0		mg/L			08/10/25 12:29	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.83				SU			08/05/25 13:46	1
Field Temperature	57.6				Degrees F			08/05/25 13:46	1
Groundwater Elevation	583.94				ft			08/05/25 13:46	1
Oxidation Reduction Potential	-76.6				millivolts			08/05/25 13:46	1
Oxygen, Dissolved	0.06				mg/L			08/05/25 13:46	1
Specific Conductance	1.168				mS/cm			08/05/25 13:46	1
Turbidity	18.32				NTU			08/05/25 13:46	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-14

Lab Sample ID: 500-272580-8

Date Collected: 08/05/25 12:13

Matrix: Water

Date Received: 08/06/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Arsenic	4200		1.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Barium	69		2.5		ug/L		08/08/25 14:16	08/15/25 14:21	1
Beryllium	<1.0	^1+	1.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Boron	480		50		ug/L		08/08/25 14:16	08/18/25 15:32	1
Cadmium	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:21	1
Calcium	150		0.20		mg/L		08/08/25 14:16	08/15/25 14:21	1
Chromium	490		5.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Cobalt	<1.0		1.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Lead	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:21	1
Lithium	15		10		ug/L		08/08/25 14:16	08/15/25 14:21	1
Molybdenum	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 14:21	1
Selenium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 14:21	1
Thallium	<2.0		2.0		ug/L		08/08/25 14:16	08/15/25 14:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			08/08/25 09:07	1
Chloride (SM 4500 Cl- E)	25		2.0		mg/L			08/11/25 09:34	1
Fluoride (SM 4500 F C)	0.19		0.10		mg/L			08/11/25 20:43	1
Sulfate (SM 4500 SO4 E)	10		5.0		mg/L			08/10/25 12:29	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.92				SU			08/05/25 12:13	1
Field Temperature	59.0				Degrees F			08/05/25 12:13	1
Groundwater Elevation	584.22				ft			08/05/25 12:13	1
Oxidation Reduction Potential	-125.9				millivolts			08/05/25 12:13	1
Oxygen, Dissolved	0.03				mg/L			08/05/25 12:13	1
Specific Conductance	0.987				mS/cm			08/05/25 12:13	1
Turbidity	109.75				NTU			08/05/25 12:13	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-16

Lab Sample ID: 500-272580-9

Date Collected: 08/05/25 10:00

Matrix: Water

Date Received: 08/06/25 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Arsenic	3.7		1.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Barium	52		2.5		ug/L		08/08/25 14:16	08/15/25 14:23	1
Beryllium	<1.0	^1+	1.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Boron	7700		250		ug/L		08/08/25 14:16	08/18/25 15:35	5
Cadmium	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:23	1
Calcium	220		0.20		mg/L		08/08/25 14:16	08/15/25 14:23	1
Chromium	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Cobalt	1.6		1.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Lead	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 14:23	1
Lithium	21		10		ug/L		08/08/25 14:16	08/15/25 14:23	1
Molybdenum	16		5.0		ug/L		08/08/25 14:16	08/15/25 14:23	1
Selenium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 14:23	1
Thallium	<2.0		2.0		ug/L		08/08/25 14:16	08/15/25 14:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			08/08/25 09:09	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			08/11/25 10:01	5
Fluoride (SM 4500 F C)	0.63		0.10		mg/L			08/11/25 20:49	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			08/10/25 12:52	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.79				SU			08/05/25 10:00	1
Field Temperature	60.4				Degrees F			08/05/25 10:00	1
Groundwater Elevation	579.76				ft			08/05/25 10:00	1
Oxidation Reduction Potential	14.6				millivolts			08/05/25 10:00	1
Oxygen, Dissolved	0.17				mg/L			08/05/25 10:00	1
Specific Conductance	1.437				mS/cm			08/05/25 10:00	1
Turbidity	32.65				NTU			08/05/25 10:00	1

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Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Metals

Prep Batch: 828931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total Recoverable	Water	3005A	
500-272580-2	MW-02	Total Recoverable	Water	3005A	
500-272580-3	MW-03	Total Recoverable	Water	3005A	
500-272580-4	MW-04	Total Recoverable	Water	3005A	
500-272580-5	Duplicate	Total Recoverable	Water	3005A	
MB 500-828931/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-828931/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-272580-1 MS	MW-01	Total Recoverable	Water	3005A	
500-272580-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-272580-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 829219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total Recoverable	Water	6020B	828931
500-272580-2	MW-02	Total Recoverable	Water	6020B	828931
500-272580-3	MW-03	Total Recoverable	Water	6020B	828931
500-272580-4	MW-04	Total Recoverable	Water	6020B	828931
500-272580-5	Duplicate	Total Recoverable	Water	6020B	828931
MB 500-828931/1-A	Method Blank	Total Recoverable	Water	6020B	828931
LCS 500-828931/2-A	Lab Control Sample	Total Recoverable	Water	6020B	828931
500-272580-1 MS	MW-01	Total Recoverable	Water	6020B	828931
500-272580-1 MSD	MW-01	Total Recoverable	Water	6020B	828931
500-272580-1 DU	MW-01	Total Recoverable	Water	6020B	828931

Prep Batch: 829324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-6	MW-09	Total Recoverable	Water	3005A	
500-272580-7	MW-11	Total Recoverable	Water	3005A	
500-272580-8	MW-14	Total Recoverable	Water	3005A	
500-272580-9	MW-16	Total Recoverable	Water	3005A	
MB 500-829324/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-829324/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 829880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	7470A	
500-272580-2	MW-02	Total/NA	Water	7470A	
500-272580-3	MW-03	Total/NA	Water	7470A	
500-272580-4	MW-04	Total/NA	Water	7470A	
500-272580-5	Duplicate	Total/NA	Water	7470A	
500-272580-6	MW-09	Total/NA	Water	7470A	
500-272580-7	MW-11	Total/NA	Water	7470A	
500-272580-8	MW-14	Total/NA	Water	7470A	
500-272580-9	MW-16	Total/NA	Water	7470A	
MB 500-829880/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-829880/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-272580-2 MS	MW-02	Total/NA	Water	7470A	
500-272580-2 MSD	MW-02	Total/NA	Water	7470A	
500-272580-2 DU	MW-02	Total/NA	Water	7470A	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Metals

Analysis Batch: 830084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	7470A	829880
500-272580-2	MW-02	Total/NA	Water	7470A	829880
500-272580-3	MW-03	Total/NA	Water	7470A	829880
500-272580-4	MW-04	Total/NA	Water	7470A	829880
500-272580-5	Duplicate	Total/NA	Water	7470A	829880
500-272580-6	MW-09	Total/NA	Water	7470A	829880
500-272580-7	MW-11	Total/NA	Water	7470A	829880
500-272580-8	MW-14	Total/NA	Water	7470A	829880
500-272580-9	MW-16	Total/NA	Water	7470A	829880
MB 500-829880/12-A	Method Blank	Total/NA	Water	7470A	829880
LCS 500-829880/13-A	Lab Control Sample	Total/NA	Water	7470A	829880
500-272580-2 MS	MW-02	Total/NA	Water	7470A	829880
500-272580-2 MSD	MW-02	Total/NA	Water	7470A	829880
500-272580-2 DU	MW-02	Total/NA	Water	7470A	829880

Analysis Batch: 830406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-6	MW-09	Total Recoverable	Water	6020B	829324
500-272580-7	MW-11	Total Recoverable	Water	6020B	829324
500-272580-8	MW-14	Total Recoverable	Water	6020B	829324
500-272580-9	MW-16	Total Recoverable	Water	6020B	829324
MB 500-829324/1-A	Method Blank	Total Recoverable	Water	6020B	829324
LCS 500-829324/2-A	Lab Control Sample	Total Recoverable	Water	6020B	829324

Analysis Batch: 830559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-6	MW-09	Total Recoverable	Water	6020B	829324
500-272580-7	MW-11	Total Recoverable	Water	6020B	829324
500-272580-8	MW-14	Total Recoverable	Water	6020B	829324
500-272580-9	MW-16	Total Recoverable	Water	6020B	829324
MB 500-829324/1-A	Method Blank	Total Recoverable	Water	6020B	829324
LCS 500-829324/2-A	Lab Control Sample	Total Recoverable	Water	6020B	829324

General Chemistry

Analysis Batch: 828805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	SM 2540C	
500-272580-2	MW-02	Total/NA	Water	SM 2540C	
500-272580-3	MW-03	Total/NA	Water	SM 2540C	
500-272580-4	MW-04	Total/NA	Water	SM 2540C	
500-272580-5	Duplicate	Total/NA	Water	SM 2540C	
MB 500-828805/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-828805/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 828984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-272580-2	MW-02	Total/NA	Water	SM 4500 CI- E	
500-272580-3	MW-03	Total/NA	Water	SM 4500 CI- E	
500-272580-4	MW-04	Total/NA	Water	SM 4500 CI- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

General Chemistry (Continued)

Analysis Batch: 828984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-5	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-828984/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-828984/63	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-828984/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-828984/64	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-272580-1 MS	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-272580-1 MSD	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-272580-4 MS	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-272580-4 MSD	MW-04	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 829245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-6	MW-09	Total/NA	Water	SM 2540C	
500-272580-7	MW-11	Total/NA	Water	SM 2540C	
500-272580-8	MW-14	Total/NA	Water	SM 2540C	
500-272580-9	MW-16	Total/NA	Water	SM 2540C	
MB 500-829245/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-829245/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 829394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-272580-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-272580-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-272580-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-272580-5	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-272580-6	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-272580-7	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-272580-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-272580-9	MW-16	Total/NA	Water	SM 4500 SO4 E	
MB 500-829394/58	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-829394/59	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 829472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-6	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-272580-7	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-272580-8	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-272580-9	MW-16	Total/NA	Water	SM 4500 Cl- E	
MB 500-829472/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-829472/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-829472/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-829472/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-272580-7 MS	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-272580-7 MSD	MW-11	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 829583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	SM 4500 F C	
500-272580-2	MW-02	Total/NA	Water	SM 4500 F C	
500-272580-3	MW-03	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

General Chemistry (Continued)

Analysis Batch: 829583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-4	MW-04	Total/NA	Water	SM 4500 F C	
500-272580-5	Duplicate	Total/NA	Water	SM 4500 F C	
500-272580-6	MW-09	Total/NA	Water	SM 4500 F C	
500-272580-7	MW-11	Total/NA	Water	SM 4500 F C	
500-272580-8	MW-14	Total/NA	Water	SM 4500 F C	
500-272580-9	MW-16	Total/NA	Water	SM 4500 F C	
MB 500-829583/61	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-829583/89	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-829583/62	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-829583/90	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 839294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	Field Sampling	
500-272580-2	MW-02	Total/NA	Water	Field Sampling	
500-272580-3	MW-03	Total/NA	Water	Field Sampling	
500-272580-4	MW-04	Total/NA	Water	Field Sampling	
500-272580-6	MW-09	Total/NA	Water	Field Sampling	
500-272580-7	MW-11	Total/NA	Water	Field Sampling	
500-272580-8	MW-14	Total/NA	Water	Field Sampling	
500-272580-9	MW-16	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-828931/1-A

Matrix: Water

Analysis Batch: 829219

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Arsenic	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Barium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:08	1
Beryllium	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Boron	<50		50		ug/L		08/06/25 13:35	08/07/25 12:08	1
Cadmium	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:08	1
Calcium	<0.20		0.20		mg/L		08/06/25 13:35	08/07/25 12:08	1
Chromium	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Cobalt	<1.0		1.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Lead	<0.50		0.50		ug/L		08/06/25 13:35	08/07/25 12:08	1
Lithium	<10		10		ug/L		08/06/25 13:35	08/07/25 12:08	1
Molybdenum	<5.0		5.0		ug/L		08/06/25 13:35	08/07/25 12:08	1
Selenium	<2.5		2.5		ug/L		08/06/25 13:35	08/07/25 12:08	1
Thallium	<2.0		2.0		ug/L		08/06/25 13:35	08/07/25 12:08	1

Lab Sample ID: LCS 500-828931/2-A

Matrix: Water

Analysis Batch: 829219

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	513		ug/L		103	80 - 120
Arsenic	100	97.9		ug/L		98	80 - 120
Barium	500	492		ug/L		98	80 - 120
Beryllium	50.0	50.1		ug/L		100	80 - 120
Boron	1000	1000		ug/L		100	80 - 120
Cadmium	50.0	49.6		ug/L		99	80 - 120
Calcium	10.0	9.14		mg/L		91	80 - 120
Chromium	200	197		ug/L		98	80 - 120
Cobalt	500	543		ug/L		109	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	100	106		ug/L		106	80 - 120
Molybdenum	1000	991		ug/L		99	80 - 120
Selenium	100	97.6		ug/L		98	80 - 120
Thallium	100	102		ug/L		102	80 - 120

Lab Sample ID: 500-272580-1 MS

Matrix: Water

Analysis Batch: 829219

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<3.0		500	515		ug/L		103	75 - 125
Arsenic	15		100	109		ug/L		94	75 - 125
Barium	27		500	513		ug/L		97	75 - 125
Beryllium	<1.0		50.0	49.3		ug/L		99	75 - 125
Boron	1800		1000	2720		ug/L		93	75 - 125
Cadmium	<0.50		50.0	49.0		ug/L		98	75 - 125
Calcium	45		10.0	53.9	4	mg/L		85	75 - 125
Chromium	<5.0		200	192		ug/L		96	75 - 125
Cobalt	<1.0		500	527		ug/L		105	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

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

Lab Sample ID: 500-272580-1 MS

Matrix: Water

Analysis Batch: 829219

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.50		100	98.8		ug/L		99	75 - 125
Lithium	<10		100	99.7		ug/L		97	75 - 125
Molybdenum	27		1000	1030		ug/L		100	75 - 125
Selenium	<2.5		100	94.5		ug/L		93	75 - 125
Thallium	<2.0		100	99.9		ug/L		100	75 - 125

Lab Sample ID: 500-272580-1 MSD

Matrix: Water

Analysis Batch: 829219

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<3.0		500	502		ug/L		100	75 - 125	2	20
Arsenic	15		100	108		ug/L		93	75 - 125	1	20
Barium	27		500	502		ug/L		95	75 - 125	2	20
Beryllium	<1.0		50.0	46.1		ug/L		92	75 - 125	7	20
Boron	1800		1000	2660		ug/L		87	75 - 125	2	20
Cadmium	<0.50		50.0	48.2		ug/L		96	75 - 125	2	20
Calcium	45		10.0	52.7	4	mg/L		72	75 - 125	2	20
Chromium	<5.0		200	187		ug/L		93	75 - 125	3	20
Cobalt	<1.0		500	512		ug/L		102	75 - 125	3	20
Lead	<0.50		100	96.5		ug/L		96	75 - 125	2	20
Lithium	<10		100	98.3		ug/L		96	75 - 125	1	20
Molybdenum	27		1000	997		ug/L		97	75 - 125	3	20
Selenium	<2.5		100	90.5		ug/L		89	75 - 125	4	20
Thallium	<2.0		100	97.4		ug/L		97	75 - 125	3	20

Lab Sample ID: 500-272580-1 DU

Matrix: Water

Analysis Batch: 829219

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 828931

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<3.0		<3.0		ug/L		NC	20
Arsenic	15		15.3		ug/L		1	20
Barium	27		26.8		ug/L		0.9	20
Beryllium	<1.0		<1.0		ug/L		NC	20
Boron	1800		1770		ug/L		1	20
Cadmium	<0.50		<0.50		ug/L		NC	20
Calcium	45		45.6		mg/L		0.2	20
Chromium	<5.0		<5.0		ug/L		NC	20
Cobalt	<1.0		<1.0		ug/L		NC	20
Lead	<0.50		<0.50		ug/L		NC	20
Lithium	<10		<10		ug/L		NC	20
Molybdenum	27		27.0		ug/L		0.7	20
Selenium	<2.5		<2.5		ug/L		NC	20
Thallium	<2.0		<2.0		ug/L		NC	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

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

Lab Sample ID: MB 500-829324/1-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Arsenic	<1.0		1.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Barium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 13:06	1
Beryllium	<1.0	^1+	1.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Cadmium	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 13:06	1
Calcium	<0.20		0.20		mg/L		08/08/25 14:16	08/15/25 13:06	1
Chromium	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Cobalt	<1.0		1.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Lead	<0.50		0.50		ug/L		08/08/25 14:16	08/15/25 13:06	1
Lithium	<10		10		ug/L		08/08/25 14:16	08/15/25 13:06	1
Molybdenum	<5.0		5.0		ug/L		08/08/25 14:16	08/15/25 13:06	1
Selenium	<2.5		2.5		ug/L		08/08/25 14:16	08/15/25 13:06	1
Thallium	<2.0		2.0		ug/L		08/08/25 14:16	08/15/25 13:06	1

Lab Sample ID: MB 500-829324/1-A
Matrix: Water
Analysis Batch: 830559

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 829324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<50		50		ug/L		08/08/25 14:16	08/18/25 13:19	1

Lab Sample ID: LCS 500-829324/2-A
Matrix: Water
Analysis Batch: 830406

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	508		ug/L		102	80 - 120
Arsenic	100	100		ug/L		100	80 - 120
Barium	2000	2140		ug/L		107	80 - 120
Beryllium	50.0	51.2	^1+	ug/L		102	80 - 120
Cadmium	50.0	50.5		ug/L		101	80 - 120
Calcium	10.0	8.40		mg/L		84	80 - 120
Chromium	200	196		ug/L		98	80 - 120
Cobalt	500	505		ug/L		101	80 - 120
Lead	100	101		ug/L		101	80 - 120
Lithium	500	497		ug/L		99	80 - 120
Molybdenum	1000	993		ug/L		99	80 - 120
Selenium	100	97.5		ug/L		97	80 - 120
Thallium	100	105		ug/L		105	80 - 120

Lab Sample ID: LCS 500-829324/2-A
Matrix: Water
Analysis Batch: 830559

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 829324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	979		ug/L		98	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-829880/12-A
Matrix: Water
Analysis Batch: 830084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 829880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		08/13/25 10:05	08/14/25 08:36	1

Lab Sample ID: LCS 500-829880/13-A
Matrix: Water
Analysis Batch: 830084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 829880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.00	2.09		ug/L		105	80 - 120

Lab Sample ID: 500-272580-2 MS
Matrix: Water
Analysis Batch: 830084

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 829880

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		1.00	1.00		ug/L		100	75 - 125

Lab Sample ID: 500-272580-2 MSD
Matrix: Water
Analysis Batch: 830084

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 829880

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	0.977		ug/L		98	75 - 125	2	20

Lab Sample ID: 500-272580-2 DU
Matrix: Water
Analysis Batch: 830084

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 829880

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.20		<0.20		ug/L		NC	20

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

Lab Sample ID: MB 500-828805/1
Matrix: Water
Analysis Batch: 828805

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			08/06/25 07:46	1

Lab Sample ID: LCS 500-828805/2
Matrix: Water
Analysis Batch: 828805

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	262		mg/L		105	80 - 120

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

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

Lab Sample ID: MB 500-829245/1
Matrix: Water
Analysis Batch: 829245

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			08/08/25 08:36	1

Lab Sample ID: LCS 500-829245/2
Matrix: Water
Analysis Batch: 829245

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-828984/16
Matrix: Water
Analysis Batch: 828984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/06/25 14:39	1

Lab Sample ID: MB 500-828984/63
Matrix: Water
Analysis Batch: 828984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/06/25 15:52	1

Lab Sample ID: LCS 500-828984/17
Matrix: Water
Analysis Batch: 828984

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.8		mg/L		99	85 - 115

Lab Sample ID: LCS 500-828984/64
Matrix: Water
Analysis Batch: 828984

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.1		mg/L		101	85 - 115

Lab Sample ID: 500-272580-1 MS
Matrix: Water
Analysis Batch: 828984

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	73	F1	20.0	91.6		mg/L		91	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 500-272580-1 MSD

Matrix: Water

Analysis Batch: 828984

Client Sample ID: MW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	73	F1	20.0	90.9		mg/L		88	75 - 125	1	20

Lab Sample ID: 500-272580-4 MS

Matrix: Water

Analysis Batch: 828984

Client Sample ID: MW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	75	F1	20.0	94.3		mg/L		97	75 - 125		

Lab Sample ID: 500-272580-4 MSD

Matrix: Water

Analysis Batch: 828984

Client Sample ID: MW-04

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75	F1	20.0	92.9		mg/L		90	75 - 125	1	20

Lab Sample ID: MB 500-829472/16

Matrix: Water

Analysis Batch: 829472

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/11/25 08:48	1

Lab Sample ID: MB 500-829472/67

Matrix: Water

Analysis Batch: 829472

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/11/25 09:34	1

Lab Sample ID: LCS 500-829472/17

Matrix: Water

Analysis Batch: 829472

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	20.0	19.7		mg/L		98	85 - 115		

Lab Sample ID: LCS 500-829472/68

Matrix: Water

Analysis Batch: 829472

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	20.0	19.8		mg/L		99	85 - 115		

Lab Sample ID: 500-272580-7 MS

Matrix: Water

Analysis Batch: 829472

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	67	F1	20.0	84.5		mg/L		89	75 - 125		

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 500-272580-7 MSD

Matrix: Water

Analysis Batch: 829472

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67	F1	20.0	83.2		mg/L		83	75 - 125	2	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-829583/61

Matrix: Water

Analysis Batch: 829583

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			08/11/25 16:16	1

Lab Sample ID: MB 500-829583/89

Matrix: Water

Analysis Batch: 829583

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			08/11/25 18:26	1

Lab Sample ID: LCS 500-829583/62

Matrix: Water

Analysis Batch: 829583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.33		mg/L		93	90 - 119

Lab Sample ID: LCS 500-829583/90

Matrix: Water

Analysis Batch: 829583

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.44		mg/L		94	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-829394/58

Matrix: Water

Analysis Batch: 829394

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			08/10/25 12:26	1

Lab Sample ID: LCS 500-829394/59

Matrix: Water

Analysis Batch: 829394

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.9		mg/L		105	88 - 123

Eurofins Chicago

18410 Crossing Drive Suite E
Tinley Park IL 60487
Phone 708-534-5200 Fax: 708-534-5211

MKE 232

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10/26/2025 (Rev. 1)

MKE 232

10/26/2023 (Rev. 1)

ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 04AUG25
ACTWGT: 68.55 LB
CAD: 6994085/SSFE2621
DIMS: 26x14x14 IN

BILL THIRD PARTY

Part # 1562978-466/43PDVW26XP 05/26

TO

EUROFINS CHICAGO
18410 CROSSING DR STE E

9.7 → 4 →



TINLEY PARK IL 60487

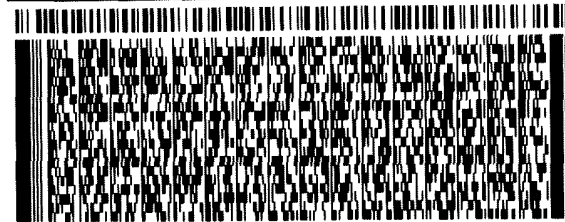
(708) 534-5200

REF:

500-272580 Waybi

INVT:
PO:

DEPT:



FedEx
Express



AN1032905020527

2 of 3

MPS# 3917 6140 4478
0263

Mstr# 3917 6140 4467

0201

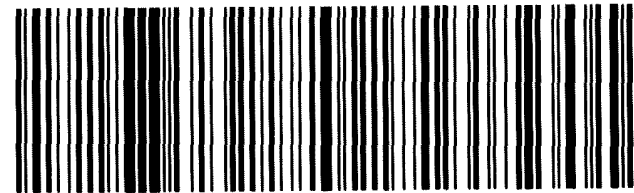
79 JOTA

TUE - 05 AUG 10:30A
PRIORITY OVERNIGHT

AHS

60487

IL-US ORD



ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 64.15 LB
CAD: 6994084/SSFE2621
DIMS: 26x14x13 IN

BILL THIRD PARTY

Part # 1562924580 PRI0709EXP 05/26

TO

EUROFINS CHICAGO
18410 CROSSING DR STE E

30-28

TINLEY PARK IL 60487

(708) 634-6200
INV:
PO:

REF:

DEPT:



500-272580 Waybi

Ex
Express



MA10230250622011W

1 of 3

TRK#
0201 3918 0729 7784
MASTER

79 JOTA

WED - 06 AUG 10:30A
PRIORITY OVERNIGHT

AHS
60487

IL-US ORD



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-272580-1

Login Number: 272580

List Number: 1

Creator: Knox, Angel

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	9.5,2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-01

Date Collected: 08/04/25 11:33

Date Received: 08/05/25 09:05

Lab Sample ID: 500-272580-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			828931	MS	EET CHI	08/06/25 13:35 - 08/06/25 19:35 ¹
Total Recoverable	Analysis	6020B		1	829219	RN	EET CHI	08/07/25 12:12
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:01
Total/NA	Analysis	SM 2540C		1	828805	CLB	EET CHI	08/06/25 08:09
Total/NA	Analysis	SM 4500 CI- E		2	828984	TR	EET CHI	08/06/25 15:15
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 16:44
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 13:19
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/04/25 11:33

Client Sample ID: MW-02

Date Collected: 08/04/25 12:56

Date Received: 08/05/25 09:05

Lab Sample ID: 500-272580-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			828931	MS	EET CHI	08/06/25 13:35 - 08/06/25 19:35 ¹
Total Recoverable	Analysis	6020B		1	829219	RN	EET CHI	08/07/25 12:24
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:03
Total/NA	Analysis	SM 2540C		1	828805	CLB	EET CHI	08/06/25 08:11
Total/NA	Analysis	SM 4500 CI- E		2	828984	TR	EET CHI	08/06/25 16:37
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 16:59
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 12:49
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/04/25 12:56

Client Sample ID: MW-03

Date Collected: 08/04/25 14:04

Date Received: 08/05/25 09:05

Lab Sample ID: 500-272580-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			828931	MS	EET CHI	08/06/25 13:35 - 08/06/25 19:35 ¹
Total Recoverable	Analysis	6020B		1	829219	RN	EET CHI	08/07/25 12:26
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:10
Total/NA	Analysis	SM 2540C		1	828805	CLB	EET CHI	08/06/25 08:14
Total/NA	Analysis	SM 4500 CI- E		2	828984	TR	EET CHI	08/06/25 16:37
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 17:06
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 12:50
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/04/25 14:04

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-04

Date Collected: 08/04/25 15:26

Date Received: 08/05/25 09:05

Lab Sample ID: 500-272580-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			828931	MS	EET CHI	08/06/25 13:35 - 08/06/25 19:35 ¹
Total Recoverable	Analysis	6020B		1	829219	RN	EET CHI	08/07/25 12:28
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:12
Total/NA	Analysis	SM 2540C		1	828805	CLB	EET CHI	08/06/25 08:17
Total/NA	Analysis	SM 4500 CI- E		2	828984	TR	EET CHI	08/06/25 16:37
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 17:12
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 12:51
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/04/25 15:26

Client Sample ID: Duplicate

Date Collected: 08/04/25 00:00

Date Received: 08/05/25 09:05

Lab Sample ID: 500-272580-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			828931	MS	EET CHI	08/06/25 13:35 - 08/06/25 19:35 ¹
Total Recoverable	Analysis	6020B		1	829219	RN	EET CHI	08/07/25 12:40
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:14
Total/NA	Analysis	SM 2540C		1	828805	CLB	EET CHI	08/06/25 08:19
Total/NA	Analysis	SM 4500 CI- E		2	828984	TR	EET CHI	08/06/25 16:36
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 17:19
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 13:19

Client Sample ID: MW-09

Date Collected: 08/05/25 10:54

Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 14:11
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:27
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:16
Total/NA	Analysis	SM 2540C		1	829245	CLB	EET CHI	08/08/25 09:01
Total/NA	Analysis	SM 4500 CI- E		10	829472	TR	EET CHI	08/11/25 09:09
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 20:29
Total/NA	Analysis	SM 4500 SO4 E		5	829394	TR	EET CHI	08/10/25 12:51
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/05/25 10:54

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Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-11

Date Collected: 08/05/25 13:46

Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 14:18
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 15:30
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:21
Total/NA	Analysis	SM 2540C		1	829245	CLB	EET CHI	08/08/25 09:04
Total/NA	Analysis	SM 4500 CI- E		2	829472	TR	EET CHI	08/11/25 09:09
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 20:36
Total/NA	Analysis	SM 4500 SO4 E		1	829394	TR	EET CHI	08/10/25 12:29
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/05/25 13:46

Client Sample ID: MW-14

Date Collected: 08/05/25 12:13

Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 14:21
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830559	RN	EET CHI	08/18/25 15:32
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:23
Total/NA	Analysis	SM 2540C		1	829245	CLB	EET CHI	08/08/25 09:07
Total/NA	Analysis	SM 4500 CI- E		1	829472	TR	EET CHI	08/11/25 09:34
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 20:43
Total/NA	Analysis	SM 4500 SO4 E		1	829394	TR	EET CHI	08/10/25 12:29
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/05/25 12:13

Client Sample ID: MW-16

Date Collected: 08/05/25 10:00

Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		1	830406	RN	EET CHI	08/15/25 14:23
Total Recoverable	Prep	3005A			829324	MS	EET CHI	08/08/25 14:16 - 08/08/25 20:16 ¹
Total Recoverable	Analysis	6020B		5	830559	RN	EET CHI	08/18/25 15:35
Total/NA	Prep	7470A			829880	MJG	EET CHI	08/13/25 10:05 - 08/13/25 12:05 ¹
Total/NA	Analysis	7470A		1	830084	MJG	EET CHI	08/14/25 09:25
Total/NA	Analysis	SM 2540C		1	829245	CLB	EET CHI	08/08/25 09:09
Total/NA	Analysis	SM 4500 CI- E		5	829472	TR	EET CHI	08/11/25 10:01
Total/NA	Analysis	SM 4500 F C		1	829583	AC	EET CHI	08/11/25 20:49

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Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Client Sample ID: MW-16
Date Collected: 08/05/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		10	829394	TR	EET CHI	08/10/25 12:52
Total/NA	Analysis	Field Sampling		1	839294	DN	EET CHI	08/05/25 10:00

* This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:
EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-272580-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-26

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 09/09/25 13:36:07

JOB DESCRIPTION

Waukegan CCR (RAD)
Quarterly Waukegan CCR

JOB NUMBER

500-272580-2

Eurofins Chicago

Job Notes

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

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

Authorization



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR (RAD)

Job ID: 500-272580-2

Job ID: 500-272580-2

Eurofins Chicago

Job Narrative 500-272580-2

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

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

Receipt

The samples were received on 8/5/2025 9:05 AM and 8/6/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 9.5°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: water present in cooler indicating melted ice. This does not meet regulatory requirements.

Gas Flow Proportional Counter

Method 904.0: Radium-228 batch 731124

The LCS recovered at (132%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68%-154%) per method requirements. The LCS passes, no further action is required. (LCS 160-731124/2-A)

Method 904.0: Radium-228 batch 731124

The detection goal was not met for the following sample due to the reduced sample volume in prep attributed to the presence of matrix interferences: MW-14 (500-272580-8). Analytical results are reported with the detection limit achieved.

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

Rad

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-272580-1	MW-01	Water	08/04/25 11:33	08/05/25 09:05	Illinois
500-272580-2	MW-02	Water	08/04/25 12:56	08/05/25 09:05	Illinois
500-272580-3	MW-03	Water	08/04/25 14:04	08/05/25 09:05	Illinois
500-272580-4	MW-04	Water	08/04/25 15:26	08/05/25 09:05	Illinois
500-272580-5	Duplicate	Water	08/04/25 00:00	08/05/25 09:05	Illinois
500-272580-6	MW-09	Water	08/05/25 10:54	08/06/25 09:05	Illinois
500-272580-7	MW-11	Water	08/05/25 13:46	08/06/25 09:05	Illinois
500-272580-8	MW-14	Water	08/05/25 12:13	08/06/25 09:05	Illinois
500-272580-9	MW-16	Water	08/05/25 10:00	08/06/25 09:05	Illinois

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-01

Lab Sample ID: 500-272580-1

Date Collected: 08/04/25 11:33

Matrix: Water

Date Received: 08/05/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.324	U	0.184	0.184	1.00	0.324	pCi/L	08/08/25 08:14	09/08/25 15:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					08/08/25 08:14	09/08/25 15:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.622	U	0.398	0.400	1.00	0.622	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	74.0		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.622	U	0.438	0.440	5.00	0.622	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-02

Lab Sample ID: 500-272580-2

Date Collected: 08/04/25 12:56

Matrix: Water

Date Received: 08/05/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.380	U	0.229	0.230	1.00	0.380	pCi/L	08/08/25 08:14	09/08/25 15:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					08/08/25 08:14	09/08/25 15:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.669	U	0.389	0.390	1.00	0.669	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	72.9		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.669	U	0.451	0.453	5.00	0.669	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-03

Lab Sample ID: 500-272580-3

Date Collected: 08/04/25 14:04

Matrix: Water

Date Received: 08/05/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.370	U	0.224	0.224	1.00	0.370	pCi/L	08/08/25 08:14	09/08/25 15:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					08/08/25 08:14	09/08/25 15:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.685		0.417	0.422	1.00	0.612	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	73.3		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.866		0.473	0.478	5.00	0.612	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-04

Lab Sample ID: 500-272580-4

Date Collected: 08/04/25 15:26

Matrix: Water

Date Received: 08/05/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.415	U	0.215	0.215	1.00	0.415	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.618	U	0.390	0.392	1.00	0.618	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	71.4		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.618	U	0.445	0.447	5.00	0.618	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: Duplicate

Lab Sample ID: 500-272580-5

Date Collected: 08/04/25 00:00

Matrix: Water

Date Received: 08/05/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.380	U	0.233	0.234	1.00	0.380	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.679	U	0.407	0.408	1.00	0.679	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	72.5		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.679	U	0.469	0.470	5.00	0.679	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-09

Lab Sample ID: 500-272580-6

Date Collected: 08/05/25 10:54

Matrix: Water

Date Received: 08/06/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.392	U	0.248	0.249	1.00	0.392	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.29		0.500	0.514	1.00	0.638	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	72.9		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.54		0.558	0.571	5.00	0.638	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-11

Lab Sample ID: 500-272580-7

Date Collected: 08/05/25 13:46

Matrix: Water

Date Received: 08/06/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.675		0.399	0.403	1.00	0.545	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.44		0.603	0.618	1.00	0.785	pCi/L	08/08/25 08:23	09/08/25 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					08/08/25 08:23	09/08/25 11:55	1
Y Carrier	75.9		30 - 110					08/08/25 08:23	09/08/25 11:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.12		0.723	0.738	5.00	0.785	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-14

Lab Sample ID: 500-272580-8

Date Collected: 08/05/25 12:13

Matrix: Water

Date Received: 08/06/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.760	U	0.453	0.454	1.00	0.760	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<1.38	U G	0.858	0.861	1.00	1.38	pCi/L	08/08/25 08:23	09/08/25 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					08/08/25 08:23	09/08/25 11:55	1
Y Carrier	70.7		30 - 110					08/08/25 08:23	09/08/25 11:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<1.38	U	0.970	0.973	5.00	1.38	pCi/L		09/09/25 11:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-16

Lab Sample ID: 500-272580-9

Date Collected: 08/05/25 10:00

Matrix: Water

Date Received: 08/06/25 09:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.318	U	0.193	0.193	1.00	0.318	pCi/L	08/08/25 08:14	09/08/25 17:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/08/25 08:14	09/08/25 17:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.641		0.417	0.421	1.00	0.623	pCi/L	08/08/25 08:23	09/08/25 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/08/25 08:23	09/08/25 11:55	1
Y Carrier	71.8		30 - 110					08/08/25 08:23	09/08/25 11:55	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.795		0.459	0.463	5.00	0.623	pCi/L		09/09/25 11:30	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Rad

Prep Batch: 731121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	PrecSep-21	
500-272580-2	MW-02	Total/NA	Water	PrecSep-21	
500-272580-3	MW-03	Total/NA	Water	PrecSep-21	
500-272580-4	MW-04	Total/NA	Water	PrecSep-21	
500-272580-5	Duplicate	Total/NA	Water	PrecSep-21	
500-272580-6	MW-09	Total/NA	Water	PrecSep-21	
500-272580-7	MW-11	Total/NA	Water	PrecSep-21	
500-272580-8	MW-14	Total/NA	Water	PrecSep-21	
500-272580-9	MW-16	Total/NA	Water	PrecSep-21	
MB 160-731121/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-731121/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 731124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-272580-1	MW-01	Total/NA	Water	PrecSep_0	
500-272580-2	MW-02	Total/NA	Water	PrecSep_0	
500-272580-3	MW-03	Total/NA	Water	PrecSep_0	
500-272580-4	MW-04	Total/NA	Water	PrecSep_0	
500-272580-5	Duplicate	Total/NA	Water	PrecSep_0	
500-272580-6	MW-09	Total/NA	Water	PrecSep_0	
500-272580-7	MW-11	Total/NA	Water	PrecSep_0	
500-272580-8	MW-14	Total/NA	Water	PrecSep_0	
500-272580-9	MW-16	Total/NA	Water	PrecSep_0	
MB 160-731124/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-731124/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-731121/1-A

Matrix: Water

Analysis Batch: 735047

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 731121

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.357	U	0.217	0.218	1.00	0.357	pCi/L	08/08/25 08:14	09/08/25 15:40	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/08/25 08:14	09/08/25 15:40	1

Lab Sample ID: LCS 160-731121/2-A

Matrix: Water

Analysis Batch: 735047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 731121

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.57	10.11		1.35	1.00	0.388	pCi/L	106	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.6		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-731124/1-A

Matrix: Water

Analysis Batch: 735046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 731124

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.646	U	0.388	0.389	1.00	0.646	pCi/L	08/08/25 08:23	09/08/25 11:54	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/08/25 08:23	09/08/25 11:54	1
Y Carrier	69.5		30 - 110					08/08/25 08:23	09/08/25 11:54	1

Lab Sample ID: LCS 160-731124/2-A

Matrix: Water

Analysis Batch: 735046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 731124

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.09	11.98		1.62	1.00	0.681	pCi/L	132	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.6		30 - 110							
Y Carrier	72.1		30 - 110							

Eurofins Chicago

18410 Crossing Drive Suite E
Tinley Park IL 60487
Phone 708-534-5200 Fax: 708-534-5211

MKE 232

1. 6.77 million 30:4.00

Page 19 of 32

Ver: 10/10/2024 09/09/25

Eurofins Chicago

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

MKE 232



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-138952-44027 1											
Client Contact: <u>Mitchel Dolan</u>		Phone: <u>262-278-1121</u>		E-Mail: <u>Diana Mockler@eurofins.com</u>		State of Origin: <u>IL</u>		Page: Page 1 of 1											
Company: <u>KPRG and Associates, Inc.</u>		PWSID		Analysis Requested															
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		<table border="1"> <tr><td>PO #</td><td>4502188389</td></tr> <tr><td>WO #</td><td></td></tr> <tr><td>Project #</td><td>50011597</td></tr> <tr><td>SSOW#</td><td></td></tr> </table>						PO #	4502188389	WO #		Project #	50011597	SSOW#			
PO #	4502188389																		
WO #																			
Project #	50011597																		
SSOW#																			
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>																	
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No																	
Phone: <u>262-781-0475(Tel)</u>		500-272580 COC		Preservation Codes: D - HNO3, N - None															
Email: <u>mitche@d@kprginc.com</u>		Email: <u>kaelyn@kprginc.com</u>		Other:															
Project Name: <u>Waukegan CCR Event Desc. Quarterly Waukegan CCR</u>		Project #		<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td></td></tr> <tr><td>Perform MS/MSD (Yes or No)</td><td></td></tr> <tr><td>903.0, 904.0</td><td></td></tr> <tr><td>6010C, 6020A, 7470A</td><td></td></tr> <tr><td>2540C, 4500_F_C, SM4500_C1_E, SM4500_S04_E</td><td></td></tr> </table>						Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		6010C, 6020A, 7470A		2540C, 4500_F_C, SM4500_C1_E, SM4500_S04_E	
Field Filtered Sample (Yes or No)																			
Perform MS/MSD (Yes or No)																			
903.0, 904.0																			
6010C, 6020A, 7470A																			
2540C, 4500_F_C, SM4500_C1_E, SM4500_S04_E																			
Site: <u>Illinois</u>		SSOW#																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Special Instructions/Note:													
						Preservation Code													
MW-01					Water														
MW-02					Water														
MW-03					Water														
MW-04					Water														
MW-09		8/5/25	1054	G	Water	N	N	X	X										
MW-11		8/5/25	1346		Water	N	N	X	X										
MW-14		8/5/25	1213		Water	N	N	X	X										
MW-16		8/5/25	1000		Water	N	N	X	X										
Duplicate					Water														
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)															
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months															
Empty Kit Relinquished by:		Date		Time		Method of Shipment													
Relinquished by: <u>Kaelyn Sperle</u>		Date/Time: <u>8/5/25/1745</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>8/5/25/1745</u>											
Relinquished by:		Date/Time:		Company:		Received by: <u>Law</u>		Date/Time: <u>8/6/25 0905</u>											
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:											
Custody Seals Intact. ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>3.0 → 28</u>															

ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 04AUG25
ACTWGT: 68.55 LB
CAD: 6994085/SSFE2621
DIMS: 26x14x14 IN

BILL THIRD PARTY

Part # 1562978-466/43PDVW26XP 05/26

TO

EUROFINS CHICAGO
18410 CROSSING DR STE E

9.7 → 4 →



TINLEY PARK IL 60487

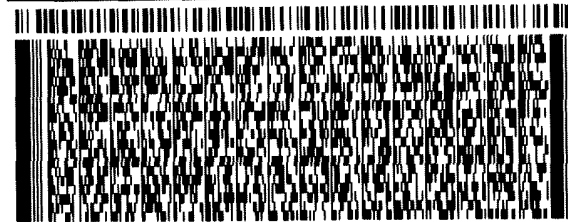
(708) 534-5200.

REF:

500-272580 Waybi

INVT:
PO:

DEPT:



FedEx
Express



AN1032905020527

2 of 3

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Mstr# 3917 6140 4467

0201

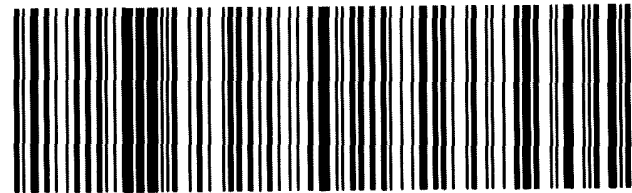
79 JOTA

TUE - 05 AUG 10:30A
PRIORITY OVERNIGHT

AHS

60487

IL-US ORD



ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 05AUG25
ACTWGT: 64.15 LB
CAD: 6994084/SSFE2621
DIMS: 26x14x13 IN

BILL THIRD PARTY

Part # 15629Z4580R102029EXP 05/26

TO

EUROFINS CHICAGO 30-28
18410 CROSSING DR STE E

TINLEY PARK IL 60487

(708) 634-6200
INV:
PO:

REF:

DEPT:



500-272580 Waybi

Ex
Express



AM10230950622011W

1 of 3

TRK# 3918 0729 7784
0201
MASTER

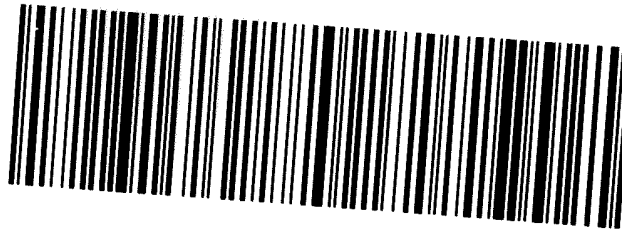
79 JOTA

WED - 06 AUG 10:30A
PRIORITY OVERNIGHT

AHS

60487

IL-US ORD



Chain of Custody Record



Client Information (Sub Contract Lab)						Sampler:	Lab PM:	Carrier Tracking No(s)	COC No:		
Client Contact						N/A	Mockler, Diana J	N/A	500-209965.1		
Shipping/Receiving						Phone:	E-Mail:	State of Origin:	Page:		
Company						N/A	Diana Mockler@et.eurofinsus.com	Illinois	Page 1 of 1		
TestAmerica Laboratories, Inc.						Accreditations Required (See note):					
Address:						NELAP - Illinois					
City:											
State, Zip:											
Phone:											
Fax:											
Email:											
Project Name:											
Waukegan CCR (RAD)											
Site:											
NRG Midwest Generation Waukegan											
Due Date Requested:						Analysis Requested					
9/10/2025											
TAT Requested (days):											
N/A											
PO #:											
N/A											
WO #:											
N/A											
Project #:											
50011597											
SSOW#:											
N/A											
Sample Identification - Client ID (Lab ID)						Special Instructions/Note:					
MW-09 (500-272580-6)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, On-site)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Ra226Ra228_GFPc	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_05 Standard Target List	Total Number of Containers	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
	8/5/25	10:54 Central	G	Water	X	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
MW-11 (500-272580-7)	8/5/25	13:46 Central	G	Water	X	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
MW-14 (500-272580-8)	8/5/25	12:13 Central	G	Water	X	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
MW-16 (500-272580-9)	8/5/25	10:00 Central	G	Water	X	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMS concerning limited volume;
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I, II, III, IV, Other (specify)											
Primary Deliverable Rank: 2											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
Return To Client ☐ Archive For ☐ Months											
Special Instructions/QC Requirements:											
Method of Shipment:											
Date:											
Relinquished by:											
Relinquished by:											
Relinquished by:											
Custody Seals Intact:											
A Yes A No											
Custody Seal No.:											

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-272580-2

Login Number: 272580

List Source: Eurofins Chicago

List Number: 1

Creator: Knox, Angel

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	9.5,2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-272580-2

Login Number: 272580

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 08/06/25 11:28 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-272580-2

Login Number: 272580

List Number: 3

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 08/07/25 11:43 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-01

Lab Sample ID: 500-272580-1

Date Collected: 08/04/25 11:33

Matrix: Water

Date Received: 08/05/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735047	SWS	EET SL	09/08/25 15:40
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-02

Lab Sample ID: 500-272580-2

Date Collected: 08/04/25 12:56

Matrix: Water

Date Received: 08/05/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735047	SWS	EET SL	09/08/25 15:40
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-03

Lab Sample ID: 500-272580-3

Date Collected: 08/04/25 14:04

Matrix: Water

Date Received: 08/05/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735047	SWS	EET SL	09/08/25 15:41
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-04

Lab Sample ID: 500-272580-4

Date Collected: 08/04/25 15:26

Matrix: Water

Date Received: 08/05/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: Duplicate

Lab Sample ID: 500-272580-5

Date Collected: 08/04/25 00:00

Matrix: Water

Date Received: 08/05/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-09

Lab Sample ID: 500-272580-6

Date Collected: 08/05/25 10:54

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-11

Lab Sample ID: 500-272580-7

Date Collected: 08/05/25 13:46

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:55
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Client Sample ID: MW-14

Lab Sample ID: 500-272580-8

Date Collected: 08/05/25 12:13

Matrix: Water

Date Received: 08/06/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:55
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Client Sample ID: MW-16
Date Collected: 08/05/25 10:00
Date Received: 08/06/25 09:05

Lab Sample ID: 500-272580-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			731121	JTR	EET SL	08/08/25 08:14
Total/NA	Analysis	903.0		1	735046	FLC	EET SL	09/08/25 17:33
Total/NA	Prep	PrecSep_0			731124	JTR	EET SL	08/08/25 08:23
Total/NA	Analysis	904.0		1	735046	FLC	EET SL	09/08/25 11:55
Total/NA	Analysis	Ra226_Ra228		1	735307	SCB	EET SL	09/09/25 11:30

Laboratory References:
EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-272580-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba					
		(30-110)					
500-272580-1	MW-01	88.8					
500-272580-2	MW-02	89.8					
500-272580-3	MW-03	94.5					
500-272580-4	MW-04	93.5					
500-272580-5	Duplicate	91.3					
500-272580-6	MW-09	86.6					
500-272580-7	MW-11	87.8					
500-272580-8	MW-14	76.4					
500-272580-9	MW-16	94.3					
LCS 160-731121/2-A	Lab Control Sample	85.6					
MB 160-731121/1-A	Method Blank	91.6					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba	Y				
		(30-110)	(30-110)				
500-272580-1	MW-01	88.8	74.0				
500-272580-2	MW-02	89.8	72.9				
500-272580-3	MW-03	94.5	73.3				
500-272580-4	MW-04	93.5	71.4				
500-272580-5	Duplicate	91.3	72.5				
500-272580-6	MW-09	86.6	72.9				
500-272580-7	MW-11	87.8	75.9				
500-272580-8	MW-14	76.4	70.7				
500-272580-9	MW-16	94.3	71.8				
LCS 160-731124/2-A	Lab Control Sample	85.6	72.1				
MB 160-731124/1-A	Method Blank	91.6	69.5				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 12/3/2025 11:18:23 AM

JOB DESCRIPTION

Waukegan CCR

JOB NUMBER

500-278090-1

Eurofins Chicago

Job Notes

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

Authorization



Authorized for release by
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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR

Job ID: 500-278090-1

Job ID: 500-278090-1

Eurofins Chicago

Job Narrative 500-278090-1

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

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

Receipt

The samples were received on 11/18/2025 9:00 AM, 11/19/2025 9:15 AM and 11/20/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 0.5°C and 2.6°C.

Metals

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 (500-278090-6), MW-07 (500-278090-9), MW-05 (500-278090-10) and MW-16 (500-278090-12). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Field Service / Mobile Lab

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

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-278090-1	MW-01	Water	11/17/25 11:33	11/18/25 09:00	Illinois
500-278090-2	MW-02	Water	11/17/25 12:37	11/18/25 09:00	Illinois
500-278090-3	MW-03	Water	11/17/25 14:01	11/18/25 09:00	Illinois
500-278090-4	MW-04	Water	11/17/25 15:21	11/18/25 09:00	Illinois
500-278090-5	MW-09	Water	11/18/25 12:30	11/19/25 09:15	Illinois
500-278090-6	MW-11	Water	11/18/25 09:43	11/19/25 09:15	Illinois
500-278090-7	MW-14	Water	11/18/25 10:50	11/19/25 09:15	Illinois
500-278090-8	Duplicate	Water	11/18/25 00:00	11/19/25 09:15	Illinois
500-278090-9	MW-07	Water	11/19/25 12:25	11/20/25 09:20	Illinois
500-278090-10	MW-05	Water	11/19/25 10:44	11/20/25 09:20	Illinois
500-278090-11	MW-06	Water	11/19/25 13:45	11/20/25 09:20	Illinois
500-278090-12	MW-16	Water	11/19/25 11:40	11/20/25 09:20	Illinois

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Arsenic	19		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Barium	29		2.5		ug/L		11/21/25 09:06	11/25/25 14:34	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Boron	2200		50		ug/L		11/21/25 09:06	12/02/25 12:48	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:34	1
Calcium	45		0.20		mg/L		11/21/25 09:06	11/25/25 14:34	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:34	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:34	1
Molybdenum	29		5.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:34	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	390		10		mg/L			11/21/25 08:53	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			11/19/25 14:00	2
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			11/24/25 19:01	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			11/23/25 12:09	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.78				SU			11/17/25 11:33	1
Field Temperature	56.8				Degrees F			11/17/25 11:33	1
Groundwater Elevation	580.48				ft			11/17/25 11:33	1
Oxidation Reduction Potential	78.9				millivolts			11/17/25 11:33	1
Oxygen, Dissolved	0.40				mg/L			11/17/25 11:33	1
Specific Conductance	0.697				mS/cm			11/17/25 11:33	1
Turbidity	8.26				NTU			11/17/25 11:33	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Arsenic	9.5		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Barium	10		2.5		ug/L		11/21/25 09:06	11/25/25 14:45	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Boron	2900		50		ug/L		11/21/25 09:06	12/01/25 14:30	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:45	1
Calcium	33		0.20		mg/L		11/21/25 09:06	11/25/25 14:45	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:45	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:45	1
Molybdenum	41		5.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:45	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	370		10		mg/L			11/21/25 08:55	1
Chloride (SM 4500 Cl- E)	82		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.68		0.10		mg/L			11/24/25 19:09	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			11/23/25 12:09	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.34				SU			11/17/25 12:37	1
Field Temperature	56.3				Degrees F			11/17/25 12:37	1
Groundwater Elevation	580.43				ft			11/17/25 12:37	1
Oxidation Reduction Potential	-49.1				millivolts			11/17/25 12:37	1
Oxygen, Dissolved	0.30				mg/L			11/17/25 12:37	1
Specific Conductance	0.686				mS/cm			11/17/25 12:37	1
Turbidity	9.91				NTU			11/17/25 12:37	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Arsenic	18		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Barium	5.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:48	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Boron	2300		50		ug/L		11/21/25 09:06	12/01/25 14:32	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:48	1
Calcium	38		0.20		mg/L		11/21/25 09:06	11/25/25 14:48	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:48	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:48	1
Molybdenum	45		5.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:48	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	400		10		mg/L			11/21/25 08:58	1
Chloride (SM 4500 Cl- E)	77		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			11/24/25 19:10	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			11/23/25 12:10	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	9.60				SU			11/17/25 14:01	1
Field Temperature	56.3				Degrees F			11/17/25 14:01	1
Groundwater Elevation	580.35				ft			11/17/25 14:01	1
Oxidation Reduction Potential	-83.6				millivolts			11/17/25 14:01	1
Oxygen, Dissolved	0.30				mg/L			11/17/25 14:01	1
Specific Conductance	0.697				mS/cm			11/17/25 14:01	1
Turbidity	11.29				NTU			11/17/25 14:01	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Arsenic	12		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Barium	8.1		2.5		ug/L		11/21/25 09:06	11/25/25 14:50	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Boron	3000		50		ug/L		11/21/25 09:06	12/01/25 14:35	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:50	1
Calcium	18		0.20		mg/L		11/21/25 09:06	11/25/25 14:50	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Lead	0.96		0.50		ug/L		11/21/25 09:06	11/25/25 14:50	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:50	1
Molybdenum	99		5.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:50	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		10		mg/L			11/21/25 09:00	1
Chloride (SM 4500 Cl- E)	79		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.83		0.10		mg/L			11/24/25 19:14	1
Sulfate (SM 4500 SO4 E)	180		25		mg/L			11/23/25 12:10	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.71				SU			11/17/25 15:21	1
Field Temperature	55.8				Degrees F			11/17/25 15:21	1
Groundwater Elevation	579.97				ft			11/17/25 15:21	1
Oxidation Reduction Potential	-184.8				millivolts			11/17/25 15:21	1
Oxygen, Dissolved	0.25				mg/L			11/17/25 15:21	1
Specific Conductance	0.745				mS/cm			11/17/25 15:21	1
Turbidity	10.82				NTU			11/17/25 15:21	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Arsenic	26		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Barium	97		2.5		ug/L		11/21/25 09:06	11/25/25 14:57	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Boron	2800		50		ug/L		11/21/25 09:06	12/01/25 14:37	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:57	1
Calcium	110		0.20		mg/L		11/21/25 09:06	11/25/25 14:57	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:57	1
Lithium	54		10		ug/L		11/21/25 09:06	11/25/25 14:57	1
Molybdenum	20		5.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:57	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		10		mg/L			11/21/25 09:03	1
Chloride (SM 4500 Cl- E)	150		10		mg/L			11/20/25 14:40	5
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			11/24/25 19:25	1
Sulfate (SM 4500 SO4 E)	70		10		mg/L			11/23/25 12:10	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.12				SU			11/18/25 12:30	1
Field Temperature	55.4				Degrees F			11/18/25 12:30	1
Groundwater Elevation	582.77				ft			11/18/25 12:30	1
Oxidation Reduction Potential	-124.7				millivolts			11/18/25 12:30	1
Oxygen, Dissolved	0.24				mg/L			11/18/25 12:30	1
Specific Conductance	1.184				mS/cm			11/18/25 12:30	1
Turbidity	41.56				NTU			11/18/25 12:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Arsenic	12000		10		ug/L		11/21/25 09:06	12/01/25 14:42	10
Barium	180		2.5		ug/L		11/21/25 09:06	11/25/25 14:59	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Boron	1700		50		ug/L		11/21/25 09:06	12/01/25 14:40	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:59	1
Calcium	150		0.20		mg/L		11/21/25 09:06	11/25/25 14:59	1
Chromium	19		5.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Lead	0.58		0.50		ug/L		11/21/25 09:06	11/25/25 14:59	1
Lithium	37		10		ug/L		11/21/25 09:06	11/25/25 14:59	1
Molybdenum	5.4		5.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:59	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		10		mg/L			11/21/25 09:06	1
Chloride (SM 4500 Cl- E)	98		10		mg/L			11/20/25 14:40	5
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			11/24/25 19:29	1
Sulfate (SM 4500 SO4 E)	44		5.0		mg/L			11/23/25 11:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.95				SU			11/18/25 09:43	1
Field Temperature	57.0				Degrees F			11/18/25 09:43	1
Groundwater Elevation	583.82				ft			11/18/25 09:43	1
Oxidation Reduction Potential	-122.1				millivolts			11/18/25 09:43	1
Oxygen, Dissolved	0.24				mg/L			11/18/25 09:43	1
Specific Conductance	1.251				mS/cm			11/18/25 09:43	1
Turbidity	657.17				NTU			11/18/25 09:43	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Arsenic	2100		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Barium	51		2.5		ug/L		11/21/25 09:06	11/25/25 15:01	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Boron	680		50		ug/L		11/21/25 09:06	12/01/25 14:44	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:01	1
Calcium	150		0.20		mg/L		11/21/25 09:06	11/25/25 15:01	1
Chromium	32		5.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:01	1
Lithium	21		10		ug/L		11/21/25 09:06	11/25/25 15:01	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:01	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			11/21/25 09:08	1
Chloride (SM 4500 Cl- E)	32		2.0		mg/L			11/20/25 14:24	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			11/24/25 19:33	1
Sulfate (SM 4500 SO4 E)	15		5.0		mg/L			11/23/25 11:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.89				SU			11/18/25 10:50	1
Field Temperature	54.7				Degrees F			11/18/25 10:50	1
Groundwater Elevation	584.10				ft			11/18/25 10:50	1
Oxidation Reduction Potential	-115.3				millivolts			11/18/25 10:50	1
Oxygen, Dissolved	0.18				mg/L			11/18/25 10:50	1
Specific Conductance	1.116				mS/cm			11/18/25 10:50	1
Turbidity	44.80				NTU			11/18/25 10:50	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Arsenic	2000		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Barium	50		2.5		ug/L		11/21/25 09:06	11/25/25 15:03	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Boron	670		50		ug/L		11/21/25 09:06	12/01/25 14:47	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:03	1
Calcium	140		0.20		mg/L		11/21/25 09:06	11/25/25 15:03	1
Chromium	27		5.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:03	1
Lithium	20		10		ug/L		11/21/25 09:06	11/25/25 15:03	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:03	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/21/25 09:11	1
Chloride (SM 4500 Cl- E)	33		2.0		mg/L			11/20/25 14:24	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			11/24/25 19:37	1
Sulfate (SM 4500 SO4 E)	15		5.0		mg/L			11/23/25 11:50	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Arsenic	7.5		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Barium	52		2.5		ug/L		11/21/25 09:06	11/25/25 15:05	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Boron	34000		1000		ug/L		11/21/25 09:06	12/01/25 14:49	20
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:05	1
Calcium	390		4.0		mg/L		11/21/25 09:06	12/01/25 14:49	20
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:05	1
Lithium	150		10		ug/L		11/21/25 09:06	11/25/25 15:05	1
Molybdenum	170		5.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:05	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		10		mg/L			11/25/25 05:34	1
Chloride (SM 4500 Cl- E)	36		2.0		mg/L			11/23/25 09:38	1
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			11/24/25 19:41	1
Sulfate (SM 4500 SO4 E)	670		100		mg/L			11/23/25 13:12	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.02				SU			11/19/25 12:25	1
Field Temperature	54.1				Degrees F			11/19/25 12:25	1
Groundwater Elevation	579.69				ft			11/19/25 12:25	1
Oxidation Reduction Potential	-129.9				millivolts			11/19/25 12:25	1
Oxygen, Dissolved	0.32				mg/L			11/19/25 12:25	1
Specific Conductance	1.826				mS/cm			11/19/25 12:25	1
Turbidity	28.89				NTU			11/19/25 12:25	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Arsenic	26		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Barium	35		2.5		ug/L		11/21/25 09:06	11/25/25 15:17	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Boron	18000		500		ug/L		11/21/25 09:06	12/01/25 14:52	10
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:17	1
Calcium	280		2.0		mg/L		11/21/25 09:06	12/01/25 14:52	10
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:17	1
Lithium	100		10		ug/L		11/21/25 09:06	11/25/25 15:17	1
Molybdenum	120		5.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:17	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/25/25 05:41	1
Chloride (SM 4500 Cl- E)	48		4.0		mg/L			11/23/25 10:00	2
Fluoride (SM 4500 F C)	0.27		0.10		mg/L			11/24/25 19:45	1
Sulfate (SM 4500 SO4 E)	420		50		mg/L			11/23/25 12:11	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			11/19/25 10:44	1
Field Temperature	54.0				Degrees F			11/19/25 10:44	1
Groundwater Elevation	581.09				ft			11/19/25 10:44	1
Oxidation Reduction Potential	-111.5				millivolts			11/19/25 10:44	1
Oxygen, Dissolved	0.32				mg/L			11/19/25 10:44	1
Specific Conductance	1.432				mS/cm			11/19/25 10:44	1
Turbidity	29.94				NTU			11/19/25 10:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Arsenic	1.7		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Barium	95		2.5		ug/L		11/21/25 09:06	11/25/25 15:26	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Boron	960		50		ug/L		11/21/25 09:06	12/01/25 15:04	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:26	1
Calcium	98		0.20		mg/L		11/21/25 09:06	11/25/25 15:26	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:26	1
Lithium	54		10		ug/L		11/21/25 09:06	11/25/25 15:26	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:26	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	490		10		mg/L			11/25/25 05:47	1
Chloride (SM 4500 Cl- E)	34		2.0		mg/L			11/23/25 09:38	1
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			11/24/25 19:49	1
Sulfate (SM 4500 SO4 E)	32		5.0		mg/L			11/23/25 11:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.19				SU			11/19/25 13:45	1
Field Temperature	55.2				Degrees F			11/19/25 13:45	1
Groundwater Elevation	581.53				ft			11/19/25 13:45	1
Oxidation Reduction Potential	-125.0				millivolts			11/19/25 13:45	1
Oxygen, Dissolved	0.28				mg/L			11/19/25 13:45	1
Specific Conductance	0.802				mS/cm			11/19/25 13:45	1
Turbidity	23.34				NTU			11/19/25 13:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Arsenic	1.4		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Barium	50		2.5		ug/L		11/21/25 09:06	11/25/25 15:28	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Boron	8200		250		ug/L		11/21/25 09:06	12/01/25 15:07	5
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:28	1
Calcium	210		0.20		mg/L		11/21/25 09:06	11/25/25 15:28	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Cobalt	1.7		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:28	1
Lithium	21		10		ug/L		11/21/25 09:06	11/25/25 15:28	1
Molybdenum	14		5.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:28	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/25/25 05:49	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			11/23/25 10:00	5
Fluoride (SM 4500 F C)	0.44		0.10		mg/L			11/24/25 19:52	1
Sulfate (SM 4500 SO4 E)	480		50		mg/L			11/23/25 12:11	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.92				SU			11/19/25 11:40	1
Field Temperature	56.1				Degrees F			11/19/25 11:40	1
Groundwater Elevation	579.05				ft			11/19/25 11:40	1
Oxidation Reduction Potential	-32.7				millivolts			11/19/25 11:40	1
Oxygen, Dissolved	0.30				mg/L			11/19/25 11:40	1
Specific Conductance	1.564				mS/cm			11/19/25 11:40	1
Turbidity	29.12				NTU			11/19/25 11:40	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Metals

Prep Batch: 844341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	3005A	
500-278090-2	MW-02	Total Recoverable	Water	3005A	
500-278090-3	MW-03	Total Recoverable	Water	3005A	
500-278090-4	MW-04	Total Recoverable	Water	3005A	
500-278090-5	MW-09	Total Recoverable	Water	3005A	
500-278090-6	MW-11	Total Recoverable	Water	3005A	
500-278090-7	MW-14	Total Recoverable	Water	3005A	
500-278090-8	Duplicate	Total Recoverable	Water	3005A	
500-278090-9	MW-07	Total Recoverable	Water	3005A	
500-278090-10	MW-05	Total Recoverable	Water	3005A	
500-278090-11	MW-06	Total Recoverable	Water	3005A	
500-278090-12	MW-16	Total Recoverable	Water	3005A	
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-278090-1 MS	MW-01	Total Recoverable	Water	3005A	
500-278090-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-278090-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 844913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	6020B	844341
500-278090-2	MW-02	Total Recoverable	Water	6020B	844341
500-278090-3	MW-03	Total Recoverable	Water	6020B	844341
500-278090-4	MW-04	Total Recoverable	Water	6020B	844341
500-278090-5	MW-09	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-7	MW-14	Total Recoverable	Water	6020B	844341
500-278090-8	Duplicate	Total Recoverable	Water	6020B	844341
500-278090-9	MW-07	Total Recoverable	Water	6020B	844341
500-278090-10	MW-05	Total Recoverable	Water	6020B	844341
500-278090-11	MW-06	Total Recoverable	Water	6020B	844341
500-278090-12	MW-16	Total Recoverable	Water	6020B	844341
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	6020B	844341
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	6020B	844341
500-278090-1 MS	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 MSD	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 DU	MW-01	Total Recoverable	Water	6020B	844341

Prep Batch: 845226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	7470A	
500-278090-2	MW-02	Total/NA	Water	7470A	
500-278090-3	MW-03	Total/NA	Water	7470A	
500-278090-4	MW-04	Total/NA	Water	7470A	
500-278090-5	MW-09	Total/NA	Water	7470A	
500-278090-6	MW-11	Total/NA	Water	7470A	
500-278090-7	MW-14	Total/NA	Water	7470A	
500-278090-8	Duplicate	Total/NA	Water	7470A	
500-278090-9	MW-07	Total/NA	Water	7470A	
500-278090-10	MW-05	Total/NA	Water	7470A	
500-278090-11	MW-06	Total/NA	Water	7470A	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Metals (Continued)

Prep Batch: 845226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	7470A	
MB 500-845226/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-845226/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-278090-9 MS	MW-07	Total/NA	Water	7470A	
500-278090-9 MSD	MW-07	Total/NA	Water	7470A	
500-278090-9 DU	MW-07	Total/NA	Water	7470A	

Analysis Batch: 845375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-2	MW-02	Total Recoverable	Water	6020B	844341
500-278090-3	MW-03	Total Recoverable	Water	6020B	844341
500-278090-4	MW-04	Total Recoverable	Water	6020B	844341
500-278090-5	MW-09	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-7	MW-14	Total Recoverable	Water	6020B	844341
500-278090-8	Duplicate	Total Recoverable	Water	6020B	844341
500-278090-9	MW-07	Total Recoverable	Water	6020B	844341
500-278090-10	MW-05	Total Recoverable	Water	6020B	844341
500-278090-11	MW-06	Total Recoverable	Water	6020B	844341
500-278090-12	MW-16	Total Recoverable	Water	6020B	844341

Analysis Batch: 845431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	7470A	845226
500-278090-2	MW-02	Total/NA	Water	7470A	845226
500-278090-3	MW-03	Total/NA	Water	7470A	845226
500-278090-4	MW-04	Total/NA	Water	7470A	845226
500-278090-5	MW-09	Total/NA	Water	7470A	845226
500-278090-6	MW-11	Total/NA	Water	7470A	845226
500-278090-7	MW-14	Total/NA	Water	7470A	845226
500-278090-8	Duplicate	Total/NA	Water	7470A	845226
500-278090-9	MW-07	Total/NA	Water	7470A	845226
500-278090-10	MW-05	Total/NA	Water	7470A	845226
500-278090-11	MW-06	Total/NA	Water	7470A	845226
500-278090-12	MW-16	Total/NA	Water	7470A	845226
MB 500-845226/12-A	Method Blank	Total/NA	Water	7470A	845226
LCS 500-845226/13-A	Lab Control Sample	Total/NA	Water	7470A	845226
500-278090-9 MS	MW-07	Total/NA	Water	7470A	845226
500-278090-9 MSD	MW-07	Total/NA	Water	7470A	845226
500-278090-9 DU	MW-07	Total/NA	Water	7470A	845226

Analysis Batch: 845457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	6020B	844341
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	6020B	844341
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	6020B	844341
500-278090-1 MS	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 MSD	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 DU	MW-01	Total Recoverable	Water	6020B	844341

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

General Chemistry

Analysis Batch: 844005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-278090-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-278090-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-278090-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
MB 500-844005/71	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-844005/72	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 844227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-5	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-278090-6	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-278090-7	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-844227/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-844227/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 844391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 2540C	
500-278090-2	MW-02	Total/NA	Water	SM 2540C	
500-278090-3	MW-03	Total/NA	Water	SM 2540C	
500-278090-4	MW-04	Total/NA	Water	SM 2540C	
500-278090-5	MW-09	Total/NA	Water	SM 2540C	
500-278090-6	MW-11	Total/NA	Water	SM 2540C	
500-278090-7	MW-14	Total/NA	Water	SM 2540C	
500-278090-8	Duplicate	Total/NA	Water	SM 2540C	
MB 500-844391/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-844391/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 844504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-278090-10	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-278090-11	MW-06	Total/NA	Water	SM 4500 Cl- E	
500-278090-12	MW-16	Total/NA	Water	SM 4500 Cl- E	
MB 500-844504/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-844504/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 844529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-278090-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-278090-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-278090-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-278090-5	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-278090-6	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-278090-7	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-278090-9	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-278090-10	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-278090-11	MW-06	Total/NA	Water	SM 4500 SO4 E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

General Chemistry (Continued)

Analysis Batch: 844529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	SM 4500 SO4 E	
MB 500-844529/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-844529/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 844733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	SM 2540C	
500-278090-10	MW-05	Total/NA	Water	SM 2540C	
500-278090-11	MW-06	Total/NA	Water	SM 2540C	
500-278090-12	MW-16	Total/NA	Water	SM 2540C	
MB 500-844733/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-844733/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-278090-9 MS	MW-07	Total/NA	Water	SM 2540C	
500-278090-9 DU	MW-07	Total/NA	Water	SM 2540C	
500-278090-10 DU	MW-05	Total/NA	Water	SM 2540C	

Analysis Batch: 844763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 F C	
500-278090-2	MW-02	Total/NA	Water	SM 4500 F C	
500-278090-3	MW-03	Total/NA	Water	SM 4500 F C	
500-278090-4	MW-04	Total/NA	Water	SM 4500 F C	
500-278090-5	MW-09	Total/NA	Water	SM 4500 F C	
500-278090-6	MW-11	Total/NA	Water	SM 4500 F C	
500-278090-7	MW-14	Total/NA	Water	SM 4500 F C	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 F C	
500-278090-9	MW-07	Total/NA	Water	SM 4500 F C	
500-278090-10	MW-05	Total/NA	Water	SM 4500 F C	
500-278090-11	MW-06	Total/NA	Water	SM 4500 F C	
500-278090-12	MW-16	Total/NA	Water	SM 4500 F C	
MB 500-844763/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-844763/62	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-278090-1 MS	MW-01	Total/NA	Water	SM 4500 F C	
500-278090-1 MSD	MW-01	Total/NA	Water	SM 4500 F C	

Analysis Batch: 844811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-844811/9	Method Blank	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 844826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	Field Sampling	
500-278090-2	MW-02	Total/NA	Water	Field Sampling	
500-278090-3	MW-03	Total/NA	Water	Field Sampling	
500-278090-4	MW-04	Total/NA	Water	Field Sampling	
500-278090-5	MW-09	Total/NA	Water	Field Sampling	
500-278090-6	MW-11	Total/NA	Water	Field Sampling	
500-278090-7	MW-14	Total/NA	Water	Field Sampling	
500-278090-9	MW-07	Total/NA	Water	Field Sampling	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 844826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-10	MW-05	Total/NA	Water	Field Sampling	
500-278090-11	MW-06	Total/NA	Water	Field Sampling	
500-278090-12	MW-16	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-844341/1-A

Matrix: Water

Analysis Batch: 844913

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Arsenic	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Barium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:30	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:30	1
Calcium	<0.20		0.20		mg/L		11/21/25 09:06	11/25/25 14:30	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:30	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:30	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:30	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:30	1

Lab Sample ID: MB 500-844341/1-A

Matrix: Water

Analysis Batch: 845457

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<50		50		ug/L		11/21/25 09:06	12/02/25 12:43	1

Lab Sample ID: LCS 500-844341/2-A

Matrix: Water

Analysis Batch: 844913

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	500	488		ug/L		98	80 - 120
Arsenic	100	95.1		ug/L		95	80 - 120
Barium	2000	1980		ug/L		99	80 - 120
Beryllium	50.0	48.0		ug/L		96	80 - 120
Cadmium	50.0	48.5		ug/L		97	80 - 120
Calcium	10.0	9.26		mg/L		93	80 - 120
Chromium	200	191		ug/L		95	80 - 120
Cobalt	500	495		ug/L		99	80 - 120
Lead	100	98.5		ug/L		99	80 - 120
Lithium	500	474		ug/L		95	80 - 120
Molybdenum	1000	929		ug/L		93	80 - 120
Selenium	100	96.5		ug/L		96	80 - 120
Thallium	100	101		ug/L		101	80 - 120

Lab Sample ID: LCS 500-844341/2-A

Matrix: Water

Analysis Batch: 845457

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	984		ug/L		98	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-1 MS

Matrix: Water

Analysis Batch: 844913

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<3.0		500	498		ug/L		100	75 - 125
Arsenic	19		100	116		ug/L		97	75 - 125
Barium	29		2000	1970		ug/L		97	75 - 125
Beryllium	<1.0		50.0	47.0		ug/L		94	75 - 125
Cadmium	<0.50		50.0	48.3		ug/L		97	75 - 125
Calcium	45		10.0	53.4	4	mg/L		89	75 - 125
Chromium	<5.0		200	190		ug/L		95	75 - 125
Cobalt	<1.0		500	489		ug/L		98	75 - 125
Lead	<0.50		100	96.5		ug/L		97	75 - 125
Lithium	<10		500	458		ug/L		92	75 - 125
Molybdenum	29		1000	980		ug/L		95	75 - 125
Selenium	<2.5		100	96.6		ug/L		97	75 - 125
Thallium	<2.0		100	98.7		ug/L		99	75 - 125

Lab Sample ID: 500-278090-1 MS

Matrix: Water

Analysis Batch: 845457

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2200		1000	3180		ug/L		99	75 - 125

Lab Sample ID: 500-278090-1 MSD

Matrix: Water

Analysis Batch: 844913

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<3.0		500	499		ug/L		100	75 - 125	0	20
Arsenic	19		100	117		ug/L		98	75 - 125	1	20
Barium	29		2000	1980		ug/L		98	75 - 125	0	20
Beryllium	<1.0		50.0	47.6		ug/L		95	75 - 125	1	20
Cadmium	<0.50		50.0	48.5		ug/L		97	75 - 125	0	20
Calcium	45		10.0	53.4	4	mg/L		89	75 - 125	0	20
Chromium	<5.0		200	185		ug/L		93	75 - 125	3	20
Cobalt	<1.0		500	487		ug/L		97	75 - 125	0	20
Lead	<0.50		100	96.6		ug/L		97	75 - 125	0	20
Lithium	<10		500	459		ug/L		92	75 - 125	0	20
Molybdenum	29		1000	984		ug/L		95	75 - 125	0	20
Selenium	<2.5		100	94.9		ug/L		95	75 - 125	2	20
Thallium	<2.0		100	98.8		ug/L		99	75 - 125	0	20

Lab Sample ID: 500-278090-1 MSD

Matrix: Water

Analysis Batch: 845457

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	2200		1000	3190		ug/L		100	75 - 125	0	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-1 DU

Matrix: Water

Analysis Batch: 844913

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	<3.0		<3.0		ug/L		NC	20
Arsenic	19		19.0		ug/L		0.9	20
Barium	29		29.6		ug/L		0.8	20
Beryllium	<1.0		<1.0		ug/L		NC	20
Cadmium	<0.50		<0.50		ug/L		NC	20
Calcium	45		45.1		mg/L		1	20
Chromium	<5.0		<5.0		ug/L		NC	20
Cobalt	<1.0		<1.0		ug/L		NC	20
Lead	<0.50		<0.50		ug/L		NC	20
Lithium	<10		<10		ug/L		NC	20
Molybdenum	29		29.0		ug/L		0.2	20
Selenium	<2.5		<2.5		ug/L		NC	20
Thallium	<2.0		<2.0		ug/L		NC	20

Lab Sample ID: 500-278090-1 DU

Matrix: Water

Analysis Batch: 845457

Client Sample ID: MW-01

Prep Type: Total Recoverable

Prep Batch: 844341

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Boron	2200		2210		ug/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-845226/12-A

Matrix: Water

Analysis Batch: 845431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 845226

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:43	1

Lab Sample ID: LCS 500-845226/13-A

Matrix: Water

Analysis Batch: 845431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 845226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.00	2.13		ug/L		107	80 - 120

Lab Sample ID: 500-278090-9 MS

Matrix: Water

Analysis Batch: 845431

Client Sample ID: MW-07

Prep Type: Total/NA

Prep Batch: 845226

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Mercury	<0.20		1.00	0.998		ug/L		100	75 - 125

Lab Sample ID: 500-278090-9 MSD

Matrix: Water

Analysis Batch: 845431

Client Sample ID: MW-07

Prep Type: Total/NA

Prep Batch: 845226

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Mercury	<0.20		1.00	0.939		ug/L		94	75 - 125	6	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-278090-9 DU
Matrix: Water
Analysis Batch: 845431

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 845226

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.20		<0.20		ug/L		NC	20

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

Lab Sample ID: MB 500-844391/1
Matrix: Water
Analysis Batch: 844391

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/21/25 08:17	1

Lab Sample ID: LCS 500-844391/2
Matrix: Water
Analysis Batch: 844391

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	272		mg/L		109	80 - 120

Lab Sample ID: MB 500-844733/1
Matrix: Water
Analysis Batch: 844733

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/25/25 05:29	1

Lab Sample ID: LCS 500-844733/2
Matrix: Water
Analysis Batch: 844733

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	272		mg/L		109	80 - 120

Lab Sample ID: 500-278090-9 MS
Matrix: Water
Analysis Batch: 844733

Client Sample ID: MW-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1600		250	1880	4	mg/L		94	75 - 125

Lab Sample ID: 500-278090-9 DU
Matrix: Water
Analysis Batch: 844733

Client Sample ID: MW-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	1600		1710		mg/L		4	5

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-10 DU

Matrix: Water

Analysis Batch: 844733

Client Sample ID: MW-05

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1060		mg/L		4	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-844005/71

Matrix: Water

Analysis Batch: 844005

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/19/25 13:35	1

Lab Sample ID: LCS 500-844005/72

Matrix: Water

Analysis Batch: 844005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.2		mg/L		106	85 - 115

Lab Sample ID: MB 500-844227/16

Matrix: Water

Analysis Batch: 844227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/20/25 14:22	1

Lab Sample ID: LCS 500-844227/17

Matrix: Water

Analysis Batch: 844227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.2		mg/L		106	85 - 115

Lab Sample ID: MB 500-844504/16

Matrix: Water

Analysis Batch: 844504

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/23/25 09:38	1

Lab Sample ID: LCS 500-844504/17

Matrix: Water

Analysis Batch: 844504

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.0		mg/L		100	85 - 115

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-844763/31
Matrix: Water
Analysis Batch: 844763

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			11/24/25 17:07	1

Lab Sample ID: LCS 500-844763/62
Matrix: Water
Analysis Batch: 844763

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.94		mg/L		99	90 - 119

Lab Sample ID: 500-278090-1 MS
Matrix: Water
Analysis Batch: 844763

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.33		5.00	5.67		mg/L		107	75 - 125

Lab Sample ID: 500-278090-1 MSD
Matrix: Water
Analysis Batch: 844763

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.33		5.00	5.42		mg/L		102	75 - 125	5	20

Lab Sample ID: MB 500-844811/9
Matrix: Water
Analysis Batch: 844811

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			11/25/25 08:42	1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-844529/16
Matrix: Water
Analysis Batch: 844529

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			11/23/25 11:49	1

Lab Sample ID: LCS 500-844529/17
Matrix: Water
Analysis Batch: 844529

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.3		mg/L		107	88 - 123

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Chain of Custody Record

Client Information		Sampler Kaelyn Sperle		Lab PM. Nelson, Dirk		Carrier Tracking No(s).		COC No 500-142911-44027 1			
Client Contact: Mitchel Dotan Kaelyn Sperle		Phone: 262 278 1421		E-Mail Dirk.Nelson@et.eurofinsus.com		State of Origin IL		Page Page 1 of 1			
Company KPRG and Associates, Inc.		PWSID.		Analysis Requested							
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested: standard								Job # 500-278090	
City Brookfield		TAT Requested (days) standard								Preservation Codes: D - HNO3 N - None	
State, Zip: WI, 53005		Compliance Project: Δ Yes Δ No								Other:	
Phone: 262-781-0475(Tel)		PO #: 4502188389								Special Instructions/Note:	
Email mitcheld@kprginc.com kaelynske@kprginc.com		WO #:									
Project Name Waukegan CCR Event Desc: Quarterly Waukegan CCR		Project # 50011597		Field Filtered Sample (Yes or No)						Total Number of containers	
Site: Illinois		SSOW#:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020B, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E		
				Preservation Code		X	D	D	N		
MW-01	11/17/25	1133	G	Water	N	N	X	X	X	5	
MW-02	11/17/25	1237		Water							
MW-03	11/17/25	1401		Water							
MW-04	11/17/25	1521		Water							
MW-09				Water							
MW-14				Water							
MW-14				Water							
MW-16				Water							
Duplicate				Water							
MW-05				Water							
MW-06				Water							
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements.					
Empty Kit Relinquished by:		Date	Time		Method of Shipment:						
Relinquished by Kaelyn Sperle		Date/Time 11/11/25/1715	Company KPRG		Received by FedEx		Date/Time 11/17/25/1715		Company FedEx		
Relinquished by		Date/Time	Company		Received by Stephanie Hernandez		Date/Time 11/18/25 0900		Company EEIA		
Relinquished by		Date/Time	Company		Received by		Date/Time		Company		
Custody Seals Intact. Δ Yes Δ No	Custody Seal No				Cooler Temperature(s) °C and Other Remarks 2.8 + 2.6						

Eurofins Chicago

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperie</u>		Lab PM: <u>Nelson, Dirk</u>		Carrier Tracking No(s)		COC No: <u>500-142911-44027 1</u>									
Client Contact: <u>Mitchel Dolan</u>		Phone: <u>262-278 1621</u>		E-Mail: <u>Dirk.Nelson@eurofinsus.com</u>		State of Origin: <u>IL</u>		Page: <u>1 of 2</u>									
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested						Job #: <u>500-278090</u>							
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>standard</u>		<table border="1"><tr><td rowspan="5">Field Filtered Sample (Yes or No)</td><td rowspan="5">Perform MS/MSD (Yes or No)</td><td rowspan="5">903.0, 904.0</td><td rowspan="5">6020B, 7470A</td><td rowspan="5">2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E</td><td rowspan="5">Total Number of containers</td></tr><tr></tr><tr></tr><tr></tr><tr></tr></table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020B, 7470A	2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E	Total Number of containers	Preservation Codes: <u>D - HNO3</u> <u>N - None</u>	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020B, 7470A													2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E	Total Number of containers
City: <u>Brookfield</u>		TAT Requested (days): <u>standard</u>		Other:													
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No		Special Instructions/Note:													
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502188389</u>															
Email: <u>mitcheled@kprginc.com</u>		WO #: <u>Kaelyns@kprginc.com</u>															
Project Name: <u>Waukegan CCR Event Desc Quarterly Waukegan CCR</u>		Project #: <u>50011597</u>															
Site: <u>Illinois</u>		SSOW#:															
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)												
				Preservation Code													
~~MW-01~~					Water												
~~MW-02~~					Water												
~~MW-03~~					Water												
~~MW-04~~					Water												
5 MW-09		11/18/25	1230	G	Water	N	N	X	X	X							
4 MW-11		11/18/25	0943	↓	Water	↓	↓	↓	↓	↓							
7 MW-14		11/18/25	1050	↓	Water	↓	↓	↓	↓	↓							
~~MW-16~~					Water												
8 Duplicate		11/18/25	-	G	Water	N	N	X	X	X							
~~MW-05~~					Water												
~~MW-06~~					Water												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months											
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements.											
Empty Kit Relinquished by		Date		Time		Method of Shipment:											
Relinquished by: <u>Kaelyn Sperie</u>		Date/Time: <u>11/18/25/1645</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>11/18/25/1645</u>		Company: <u>FedEx</u>							
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Humanduy</u>		Date/Time: <u>11/19/25 0915</u>		Company: <u>EEHA</u>							
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:							
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. <u>0.5-0.5</u>													

Environment Testing

Ver 10/10/2024/3/2025

ORIGIN ID: RRLA (262) 202-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F (REAR)

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10JUN25
ACTWT 50.00 LB MAH
CAD 264302768/CAFE3855

Part # 156688-435 RRB8-EXP 03/26



500-278090 Waybi

TO **SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E**

TINLEY PARK IL 60487

(708) 634-5200

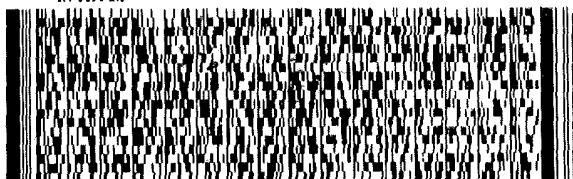
REF

INU

PO

DEPI

RMA ||| ||| ||| |||



**FedEx
Express**



TRK# 4648 9359 8910
0221

**RETURNS MON-SAT
PRIORITY OVERNIGHT**

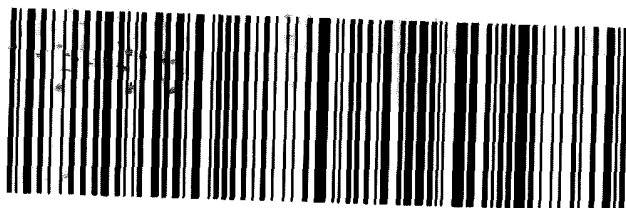
FedEx
TRK# 4648 9359 8910
0221

PR **TUE - 18 NOV 10:30A
PRIORITY OVERNIGHT**

79 JOTA

**60487
IL-US ORD**

#156688-435 RRB8-EXP 05/26



ORIGIN 10 RMA (262) 205-5955
SAMPLE RECEIVING
EUROPINS MILWAUKEE
4125 N 124TH STREET STE F, REAR)
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10 JUN25
ACTWGT 50.00 LB MAIL
CAD 264302766/CAFE3855

Part # 156698-435 RRDW2 EXP 03/26

TO SAMPLE RECEIVING
EUROPINS CHICAGO
18410 CROSSING DR STE E

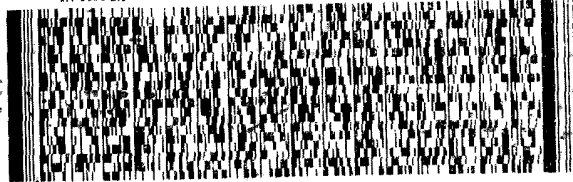
TINLEY PARK IL 60487

(708) 534-5200

REF

DEPT

RMA 111 1111 1111



FedEx
Express



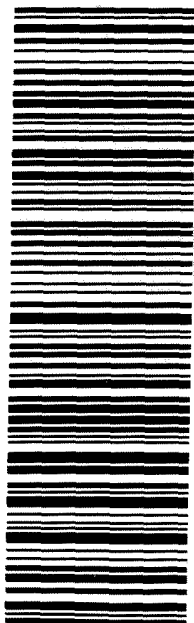
500-278090 Waybi

TRK#
0221

4648 9359 8883

RETURNS MON-SAT
PRIORITY OVERNIGHT

#439588 11/18 SR



79 JOTA

IL-US

60487
ORD

FedEx
TRK# 4648 9359 8883

WED - 19 NOV 10:30A
PRIORITY OVERNIGHT

4613 WED 11/19/01 4:36:30.2
EUROPINS CHICAGO
18410 CROSSING DR
STE E
60487/928777
PRIORITY OVERNIGHT
415-1087FL
SP-PO-100-V
J00004870040489208883

Part # 156297-435 RRDW2 EXP 05/26
Page 35 of 43

ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

TO

EUROFINS
18410 CROSSING DR STE E

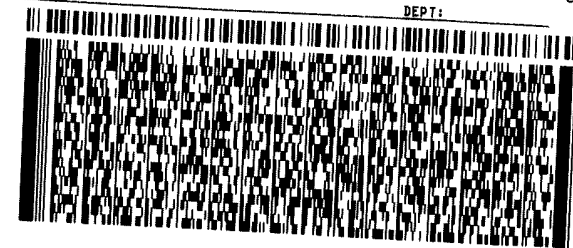
TINLEY PARK IL 60487

(708) 534-6200
TNU:
PO:

REF:

DEPT:

500-278090 Waybi



FedEx
Express



J254025092401 JV

2 of 3

MPS# 3955 4915 3775
0263

Mstr# 3955 4915 3764

79 JOTA

0201

THU - 20 NOV 10:30A
PRIORITY OVERNIGHT

AHS

60487

IL-US ORD

4801



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-1

Login Number: 278090

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,0.5, -0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:34
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845457	RN	EET CHI	12/02/25 12:48
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:46
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:53
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:01
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:09
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 11:33

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:30
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:45
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:48
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:55
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:09
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:09
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 12:37

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:32
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:48
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:50
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:58
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:10

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 14:01

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:35
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:50
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:52
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:00
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:14
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 15:21

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:37
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:57
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:54
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:03
Total/NA	Analysis	SM 4500 Cl- E		5	844227	TR	EET CHI	11/20/25 14:40
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:25
Total/NA	Analysis	SM 4500 SO4 E		2	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 12:30

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:40

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		10	845375	RN	EET CHI	12/01/25 14:42
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:59
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:56
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:06
Total/NA	Analysis	SM 4500 CI- E		5	844227	TR	EET CHI	11/20/25 14:40
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:29
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 09:43

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:44
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:01
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:58
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:08
Total/NA	Analysis	SM 4500 CI- E		1	844227	TR	EET CHI	11/20/25 14:24
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:33
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 10:50

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:47
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:03
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:04
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:11
Total/NA	Analysis	SM 4500 CI- E		1	844227	TR	EET CHI	11/20/25 14:24
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:37

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		20	845375	RN	EET CHI	12/01/25 14:49
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:05
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:06
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:34
Total/NA	Analysis	SM 4500 CI- E		1	844504	TR	EET CHI	11/23/25 09:38
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:41
Total/NA	Analysis	SM 4500 SO4 E		20	844529	TR	EET CHI	11/23/25 13:12
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 12:25

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		10	845375	RN	EET CHI	12/01/25 14:52
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:17
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:14
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:41
Total/NA	Analysis	SM 4500 CI- E		2	844504	TR	EET CHI	11/23/25 10:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:45
Total/NA	Analysis	SM 4500 SO4 E		10	844529	TR	EET CHI	11/23/25 12:11
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 10:44

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 15:04

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Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:26
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:16
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:47
Total/NA	Analysis	SM 4500 Cl- E		1	844504	TR	EET CHI	11/23/25 09:38
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:49
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:51
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 13:45

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		5	845375	RN	EET CHI	12/01/25 15:07
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:28
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:18
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:49
Total/NA	Analysis	SM 4500 Cl- E		5	844504	TR	EET CHI	11/23/25 10:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:52
Total/NA	Analysis	SM 4500 SO4 E		10	844529	TR	EET CHI	11/23/25 12:11
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 11:40

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

Job ID: 500-278090-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-26

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Gnat
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
Brookfield, Wisconsin 53005

Generated 12/22/25 11:03:36

JOB DESCRIPTION

Waukegan CCR (RAD)

JOB NUMBER

500-278090-2

Eurofins Chicago

Job Notes

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

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

Authorization



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12/22/25 11:03:36

Authorized for release by
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Case Narrative

Client: KPRG and Associates, Inc.
Project: Waukegan CCR (RAD)

Job ID: 500-278090-2

Job ID: 500-278090-2

Eurofins Chicago

Job Narrative 500-278090-2

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

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

Receipt

The samples were received on 11/18/2025 9:00 AM, 11/19/2025 9:15 AM and 11/20/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 0.5°C and 2.6°C.

Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 160-746326:

The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences (discoloration and/or particulates noted by the prep analyst): MW-11 (500-278090-6) and MW-14 (500-278090-7). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 160-746723:

The LCS recovered at (132%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68%-154%) per method requirements. The LCS passes, no further action is required. (LCS 160-746723/2-A)

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

Rad

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-278090-1	MW-01	Water	11/17/25 11:33	11/18/25 09:00	Illinois
500-278090-2	MW-02	Water	11/17/25 12:37	11/18/25 09:00	Illinois
500-278090-3	MW-03	Water	11/17/25 14:01	11/18/25 09:00	Illinois
500-278090-4	MW-04	Water	11/17/25 15:21	11/18/25 09:00	Illinois
500-278090-5	MW-09	Water	11/18/25 12:30	11/19/25 09:15	Illinois
500-278090-6	MW-11	Water	11/18/25 09:43	11/19/25 09:15	Illinois
500-278090-7	MW-14	Water	11/18/25 10:50	11/19/25 09:15	Illinois
500-278090-8	Duplicate	Water	11/18/25 00:00	11/19/25 09:15	Illinois
500-278090-9	MW-07	Water	11/19/25 12:25	11/20/25 09:20	Illinois
500-278090-10	MW-05	Water	11/19/25 10:44	11/20/25 09:20	Illinois
500-278090-11	MW-06	Water	11/19/25 13:45	11/20/25 09:20	Illinois
500-278090-12	MW-16	Water	11/19/25 11:40	11/20/25 09:20	Illinois

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.462	U	0.273	0.274	1.00	0.462	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.0		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.949		0.504	0.511	1.00	0.706	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.0		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.5		30 - 110					11/21/25 08:18	12/16/25 10:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.15		0.573	0.580	5.00	0.706	pCi/L		12/18/25 13:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.440	U	0.273	0.274	1.00	0.440	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.818		0.505	0.511	1.00	0.748	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.07		0.574	0.580	5.00	0.748	pCi/L		12/18/25 13:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.407	U	0.216	0.216	1.00	0.407	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.497	0.509	1.00	0.641	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	77.8		30 - 110					11/21/25 08:18	12/16/25 10:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.22		0.542	0.553	5.00	0.641	pCi/L		12/18/25 13:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.372	U	0.229	0.230	1.00	0.372	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.732	U	0.487	0.491	1.00	0.732	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	76.3		30 - 110					11/21/25 08:18	12/16/25 10:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.889		0.538	0.542	5.00	0.732	pCi/L		12/18/25 13:29	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.248	0.250	1.00	0.343	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	13.1		1.27	1.74	1.00	0.822	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.4		1.29	1.76	5.00	0.822	pCi/L		12/18/25 13:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.98		0.680	0.703	1.00	0.642	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.93	G	1.81	1.98	1.00	1.82	pCi/L	11/21/25 07:56	12/15/25 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					11/21/25 07:56	12/15/25 12:18	1
Y Carrier	76.3		30 - 110					11/21/25 07:56	12/15/25 12:18	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	10.9		1.93	2.10	5.00	1.82	pCi/L		12/18/25 13:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.463	U	0.284	0.285	1.00	0.463	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.7		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.85	G	0.920	0.935	1.00	1.31	pCi/L	11/21/25 07:56	12/15/25 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.7		30 - 110					11/21/25 07:56	12/15/25 12:18	1
Y Carrier	75.9		30 - 110					11/21/25 07:56	12/15/25 12:18	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.09		0.963	0.977	5.00	1.31	pCi/L		12/18/25 13:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.423	U	0.262	0.263	1.00	0.423	pCi/L	11/21/25 07:52	12/15/25 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/21/25 07:52	12/15/25 21:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.628	0.637	1.00	0.892	pCi/L	11/21/25 07:56	12/15/25 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/21/25 07:56	12/15/25 12:19	1
Y Carrier	78.5		30 - 110					11/21/25 07:56	12/15/25 12:19	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.37		0.680	0.689	5.00	0.892	pCi/L		12/18/25 13:30	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.607		0.289	0.294	1.00	0.358	pCi/L	11/24/25 07:56	12/18/25 23:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/24/25 07:56	12/18/25 23:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.562	0.576	1.00	0.763	pCi/L	11/24/25 08:00	12/18/25 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/24/25 08:00	12/18/25 11:42	1
Y Carrier	80.0		30 - 110					11/24/25 08:00	12/18/25 11:42	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.96		0.632	0.647	5.00	0.763	pCi/L		12/19/25 17:54	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.375	U	0.225	0.225	1.00	0.375	pCi/L	11/24/25 07:56	12/18/25 23:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/24/25 07:56	12/18/25 23:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.21		0.583	0.594	1.00	0.813	pCi/L	11/24/25 08:00	12/18/25 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/24/25 08:00	12/18/25 11:41	1
Y Carrier	77.0		30 - 110					11/24/25 08:00	12/18/25 11:41	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.38		0.625	0.635	5.00	0.813	pCi/L		12/19/25 17:54	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.264	U	0.143	0.143	1.00	0.264	pCi/L	11/24/25 08:20	12/18/25 09:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/24/25 08:20	12/18/25 09:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.891		0.456	0.463	1.00	0.644	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	78.9		30 - 110					11/24/25 08:23	12/17/25 11:51	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.951		0.478	0.485	5.00	0.644	pCi/L		12/19/25 17:55	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.252	U	0.159	0.159	1.00	0.252	pCi/L	11/24/25 08:20	12/18/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/24/25 08:20	12/18/25 09:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.738		0.377	0.383	1.00	0.525	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	83.4		30 - 110					11/24/25 08:23	12/17/25 11:51	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.886		0.409	0.415	5.00	0.525	pCi/L		12/19/25 17:55	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Rad

Prep Batch: 746325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-6	MW-11	Total/NA	Water	PrecSep-21	
500-278090-7	MW-14	Total/NA	Water	PrecSep-21	
500-278090-8	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-746325/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746325/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-6	MW-11	Total/NA	Water	PrecSep_0	
500-278090-7	MW-14	Total/NA	Water	PrecSep_0	
500-278090-8	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-746326/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746326/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	PrecSep-21	
500-278090-2	MW-02	Total/NA	Water	PrecSep-21	
500-278090-3	MW-03	Total/NA	Water	PrecSep-21	
500-278090-4	MW-04	Total/NA	Water	PrecSep-21	
500-278090-5	MW-09	Total/NA	Water	PrecSep-21	
MB 160-746335/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746335/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	PrecSep_0	
500-278090-2	MW-02	Total/NA	Water	PrecSep_0	
500-278090-3	MW-03	Total/NA	Water	PrecSep_0	
500-278090-4	MW-04	Total/NA	Water	PrecSep_0	
500-278090-5	MW-09	Total/NA	Water	PrecSep_0	
MB 160-746336/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746336/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	PrecSep-21	
500-278090-10	MW-05	Total/NA	Water	PrecSep-21	
MB 160-746718/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746718/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	PrecSep_0	
500-278090-10	MW-05	Total/NA	Water	PrecSep_0	
MB 160-746723/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746723/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-11	MW-06	Total/NA	Water	PrecSep-21	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Rad (Continued)

Prep Batch: 746736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	PrecSep-21	
MB 160-746736/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746736/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-11	MW-06	Total/NA	Water	PrecSep_0	
500-278090-12	MW-16	Total/NA	Water	PrecSep_0	
MB 160-746737/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746737/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-746325/1-A

Matrix: Water

Analysis Batch: 749529

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746325

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.387	U	0.181	0.181	1.00	0.387	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.0		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Lab Sample ID: LCS 160-746325/2-A

Matrix: Water

Analysis Batch: 749529

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746325

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.57	8.081		1.13	1.00	0.362	pCi/L	84	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	81.8		30 - 110							

Lab Sample ID: LCS 160-746325/2-A

Matrix: Water

Analysis Batch: 749687

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746325

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.57	9.256		1.19	1.00	0.340	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	81.8		30 - 110							

Lab Sample ID: MB 160-746335/1-A

Matrix: Water

Analysis Batch: 749683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746335

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.346	U	0.233	0.234	1.00	0.346	pCi/L	11/21/25 08:08	12/16/25 15:34	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					11/21/25 08:08	12/16/25 15:34	1

Lab Sample ID: LCS 160-746335/2-A

Matrix: Water

Analysis Batch: 749683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746335

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.57	9.015		1.27	1.00	0.474	pCi/L	94	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-746335/2-A

Matrix: Water

Analysis Batch: 749683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746335

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	76.5		30 - 110

Lab Sample ID: MB 160-746718/1-A

Matrix: Water

Analysis Batch: 750093

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746718

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.309	U	0.139	0.139	1.00	0.309	pCi/L	11/24/25 07:56	12/18/25 21:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					11/24/25 07:56	12/18/25 21:50	1

Lab Sample ID: LCS 160-746718/2-A

Matrix: Water

Analysis Batch: 750093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746718

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	10.59		1.33	1.00	0.289	pCi/L	111	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	90.8		30 - 110						

Lab Sample ID: MB 160-746736/1-A

Matrix: Water

Analysis Batch: 750117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746736

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.340	U	0.206	0.207	1.00	0.340	pCi/L	11/24/25 08:20	12/18/25 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					11/24/25 08:20	12/18/25 07:45	1

Lab Sample ID: LCS 160-746736/2-A

Matrix: Water

Analysis Batch: 750117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746736

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.57	8.968		1.16	1.00	0.355	pCi/L	94	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	90.8		30 - 110						

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-746326/1-A

Matrix: Water

Analysis Batch: 749525

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746326

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8287		0.517	0.523	1.00	0.768	pCi/L	11/21/25 07:56	12/15/25 12:16	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.0		30 - 110					11/21/25 07:56	12/15/25 12:16	1
Y Carrier	81.1		30 - 110					11/21/25 07:56	12/15/25 12:16	1

Lab Sample ID: LCS 160-746326/2-A

Matrix: Water

Analysis Batch: 749525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746326

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.85	8.618		1.37	1.00	0.828	pCi/L	110	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	81.8		30 - 110						
Y Carrier	77.8		30 - 110						

Lab Sample ID: MB 160-746336/1-A

Matrix: Water

Analysis Batch: 749683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746336

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.685	U	0.433	0.436	1.00	0.685	pCi/L	11/21/25 08:17	12/16/25 09:55	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					11/21/25 08:17	12/16/25 09:55	1
Y Carrier	80.7		30 - 110					11/21/25 08:17	12/16/25 09:55	1

Lab Sample ID: LCS 160-746336/2-A

Matrix: Water

Analysis Batch: 749683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746336

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.85	9.374		1.36	1.00	0.602	pCi/L	119	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	76.5		30 - 110						
Y Carrier	81.1		30 - 110						

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-746723/1-A

Matrix: Water

Analysis Batch: 750063

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746723

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.650	U	0.382	0.383	1.00	0.650	pCi/L	11/24/25 08:00	12/18/25 11:41	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					11/24/25 08:00	12/18/25 11:41	1
Y Carrier	82.2		30 - 110					11/24/25 08:00	12/18/25 11:41	1

Lab Sample ID: LCS 160-746723/2-A

Matrix: Water

Analysis Batch: 750063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746723

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		7.84	10.38		1.42	1.00	0.656	pCi/L	132	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.8		30 - 110							
Y Carrier	82.6		30 - 110							

Lab Sample ID: MB 160-746737/1-A

Matrix: Water

Analysis Batch: 749904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 746737

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.531	U	0.344	0.346	1.00	0.531	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	83.0		30 - 110					11/24/25 08:23	12/17/25 11:51	1

Lab Sample ID: LCS 160-746737/2-A

Matrix: Water

Analysis Batch: 749904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 746737

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		7.85	8.197		1.16	1.00	0.507	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.8		30 - 110							
Y Carrier	80.7		30 - 110							

Eurofins Chicago

Eurofins Chicago

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Nelson, Dirk		Carrier Tracking No(s):		COC No: 500-142911-44027 1											
Client Contact: <u>Mitchel Dotan Kaelyn Sperle</u>		Phone: <u>262 278 1421</u>		E-Mail: <u>Dirk.Nelson@et.eurofinsus.com</u>		State of Origin: <u>IL</u>		Page: <u>1</u> of <u>2</u>											
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested						Job #: <u>500-278090</u>									
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>standard</u>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020B, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E Total Number of containers						Preservation Codes: D - HNO3 N - None									
City: <u>Brookfield</u>		TAT Requested (days): <u>standard</u>								Other: <u>500-278090 COC</u>									
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No																	
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502188389</u>																	
Email: <u>mitcheled@kprginc.com kaelyns@kprginc.com</u>		WO #:																	
Project Name: <u>Waukegan CCR Event Desc: Quarterly Waukegan CCR</u>		Project #: <u>50011597</u>		Special Instructions/Note:															
Site: <u>Illinois</u>		SSOW#:																	
Sample Identification		Sample Date								Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)					
MW-01		11/17/25		1133		G		Water											
MW-02		11/17/25		1237		G		Water											
MW-03		11/17/25		1401		G		Water											
MW-04		11/17/25		1521		G		Water											
MW-09								Water											
MW-14								Water											
MW-14								Water											
MW-16								Water											
Duplicate								Water											
MW-05								Water											
MW-06								Water											
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements.									
Empty Kit Relinquished by:										Method of Shipment:									
Relinquished by: <u>Kaelyn Sperle</u>										Date/Time: <u>11/17/25/1715</u>									
Relinquished by:										Company: <u>KPRG</u>									
Relinquished by:										Received by: <u>FedEx</u>									
Relinquished by:										Date/Time: <u>11/17/25/1715</u>									
Relinquished by:										Company: <u>FedEx</u>									
Relinquished by:										Received by: <u>Stephanie Hernandez</u>									
Relinquished by:										Date/Time: <u>11/18/25 0900</u>									
Relinquished by:										Company: <u>EEIA</u>									
Custody Seals Intact: ☐ Yes ☐ No										Custody Seal No									
Cooler Temperature(s) °C and Other Remarks: <u>2.8 + 2.4</u>																			

Eurofins Chicago

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperie</u>		Lab PM: <u>Nelson, Dirk</u>		Carrier Tracking No(s)		COC No: <u>500-142911-44027 1</u>											
Client Contact: <u>Mitchel Dolan</u>		Phone: <u>262-278 1621</u>		E-Mail: <u>Dirk.Nelson@eurofinsus.com</u>		State of Origin: <u>IL</u>		Page: <u>1 of 2</u>											
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested						Job #: <u>500-278090</u>									
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>standard</u>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020B, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E Total Number of containers						Preservation Codes: <u>D - HNO3</u>									
City: <u>Brookfield</u>		TAT Requested (days): <u>standard</u>								N - None									
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No																	
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502188389</u>																	
Email: <u>mitcheled@kprginc.com</u>		WO #: <u>Kaelyns@kprginc.com</u>																	
Project Name: <u>Waukegan CCR Event Desc Quarterly Waukegan CCR</u>		Project #: <u>50011597</u>		Special Instructions/Note:															
Site: <u>Illinois</u>		SSOW#:																	
Sample Identification		Sample Date								Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)					
Preservation Code		Sample Date								Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)					
Sample Date		Sample Time								Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)							
MW-01								Water											
MW-02								Water											
MW-03								Water											
MW-04								Water											
MW-09		11/18/25		1230		G		Water											
MW-11		11/18/25		0943		↓		Water											
MW-14		11/18/25		1050		↓		Water											
MW-16								Water											
Duplicate		11/18/25		-		G		Water											
MW-05								Water											
MW-06								Water											
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements.									
Empty Kit Relinquished by										Date									
Relinquished by: <u>Kaelyn Sperie</u>										Date/Time: <u>11/18/25/1645</u>									
Relinquished by:										Company: <u>KPRG</u>									
Relinquished by:										Received by: <u>FedEx</u>									
Relinquished by:										Date/Time: <u>11/18/25/1645</u>									
Relinquished by:										Company: <u>FedEx</u>									
Relinquished by:										Received by: <u>Stephanie Humanduy</u>									
Relinquished by:										Date/Time: <u>11/19/25 0915</u>									
Relinquished by:										Company: <u>EEHA</u>									
Custody Seals Intact ☐ Yes ☐ No										Custody Seal No									
Cooler Temperature(s) °C and Other Remarks. <u>0.5 + 0.5</u>																			

Environment Testing

Ver 10/10/2024 12/22/25

ORIGIN ID: RRLA (262) 202-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F (REAR)

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10JUN25
ACTWT 50.00 LB MAH
CAD 264302768/CAFE3855

Part # 156698-435 RRB8-EXP 03/26



500-278090 Waybi

TO **SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E**

TINLEY PARK IL 60487

(708) 634-5200

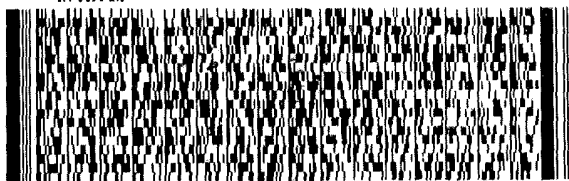
REF

DEPT

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**FedEx
Express**



TRK# 4648 9359 8910
0221

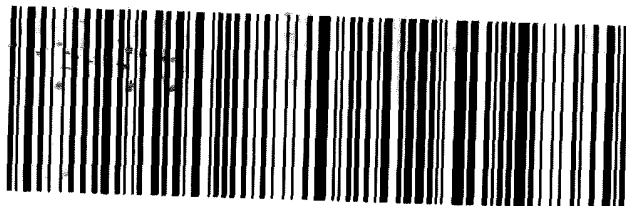
**RETURNS MON-SAT
PRIORITY OVERNIGHT**

FedEx
TRK# 4648 9359 8910
0221

**TUE - 18 NOV 10:30A
PRIORITY OVERNIGHT**

79 JOTA

**60487
IL-US ORD**



#156697-435 RRB8-EXP 05/26

ORIGIN 10 RMA (262) 205-5955
SAMPLE RECEIVING
EUROPINS MILWAUKEE
4125 N 124TH STREET STE F, REAR
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10 JUN25
ACTWGT 50.00 LB MAIL
CAD 264302766/CAFE3855

Part # 156698-435 RHDW2 EXP 03/26

TO SAMPLE RECEIVING
EUROPINS CHICAGO
18410 CROSSING DR STE E

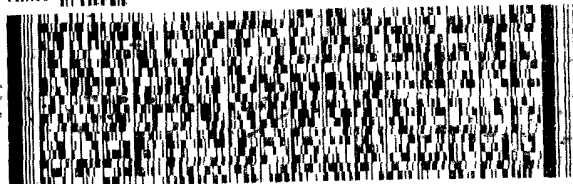
TINLEY PARK IL 60487

(708) 534-5200

REF

DEPT

RMA



FedEx
Express



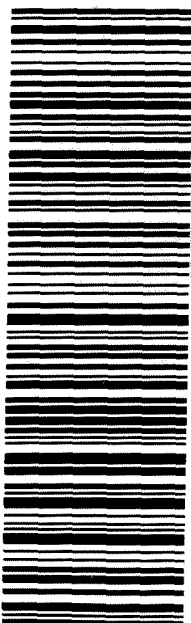
500-278090 Waybi

TRK#
0221

4648 9359 8883

RETURNS MON-SAT
PRIORITY OVERNIGHT

#439588 11/18 SR



79 JOTA

IL-US

60487
ORD

FedEx
TRK# 4648 9359 8883

WED - 19 NOV 10:30A
PRIORITY OVERNIGHT

4613 WED 11/19/01 4:36:30.2
EUROPINS CHICAGO
18410 CROSSING DR
STE E
60487/928777
PRIORITY OVERNIGHT
415-1087FL
SP-PO, 100-Y
J000048/000488J008883

Part # 156297-435 RHDW2 EXP 05/26
Page 30 of 44

ORIGIN ID:FEPA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

TO

EUROFINS
18410 CROSSING DR STE E

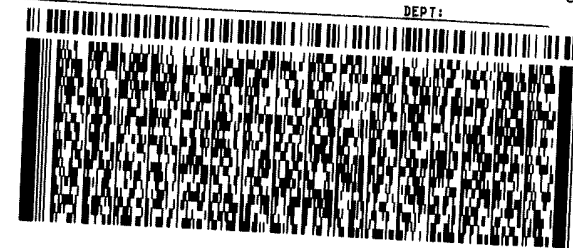
TINLEY PARK IL 60487

(708) 534-6200
TNU:
PO:

REF:

DEPT:

500-278090 Waybi



FedEx
Express



J254025092401 JV

2 of 3

MPS# 0263 3955 4915 3775

Mstr# 3955 4915 3764

79 JOTA

0201

THU - 20 NOV 10:30A
PRIORITY OVERNIGHT

AHS

60487

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18410 Crossing Drive Suite E
Tinley Park, IL 60487
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

[illegible]

18410 Crossing Drive Suite E

Tinley Park, IL 60487

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)						Carrier Tracking No(s): N/A	
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc.						State of Origin: Illinois	
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: N/A						Page: Page 1 of 1 Job #: 500-278090-1	
Project Name: Waukegan CCR Site: NRG Midwest Generation Waukegan						Preservation Codes:	
Due Date Requested: 12/3/2025 TAT Requested (days): N/A						Analysis Requested	
PO #: N/A WO #: N/A Project #: 50011597 SSOW#: N/A							
Sample Identification - Client ID (Lab ID)						Special Instructions/Note:	
MW-07 (500-278090-9)						Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-05 (500-278090-10)						Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-06 (500-278090-11)						Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-16 (500-278090-12)						Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
Total Number of containers							
Field Filtered Sample (Yes or No)						Perform MS/MSD (Yes or No)	
Sample Date						Sample Time	
Sample Type (C=Comp, G=grab)						Matrix (Winter, Swallow, Onwastaboll, St-Tissus, Asap)	
Preservation Code:							
11/19/25						12:25 Central	
11/19/25						10:44 Central	
11/19/25						13:45 Central	
11/19/25						11:40 Central	
903.0/PrecSep_21Standard Target List						904.0/PrecSep_05Standard Target List	
Ra226Ra228_GFPc							
Total Number of containers							
Other: N/A							
CCC No: 500-214732.1							

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Disposal By Lab ☒		Archive For _____ Months	
Special Instructions/QC Requirements:					
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2					
Empty Kit Relinquished by: _____ Date: _____					
Relinquished by: _____ Date/Time: _____					
Relinquished by: _____ Date/Time: _____					
Relinquished by: _____ Date/Time: _____					
Custody Seals Intact: _____ Yes _____ No _____					
Cooler Temperature(s) °C and Other Remarks:					

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,0.5, -0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/19/25 03:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/20/25 12:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 11/21/25 01:44 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:19
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749525	SWS	EET SL	12/15/25 12:18
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:19
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749525	SWS	EET SL	12/15/25 12:18
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:20
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749527	SWS	EET SL	12/15/25 12:19
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746718	AMS	EET SL	11/24/25 07:56
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 23:53
Total/NA	Prep	PrecSep_0			746723	AMS	EET SL	11/24/25 08:00
Total/NA	Analysis	904.0		1	750064	SWS	EET SL	12/18/25 11:42
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:54

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746718	AMS	EET SL	11/24/25 07:56
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 23:53
Total/NA	Prep	PrecSep_0			746723	AMS	EET SL	11/24/25 08:00
Total/NA	Analysis	904.0		1	750064	SWS	EET SL	12/18/25 11:41
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:54

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746736	AMS	EET SL	11/24/25 08:20
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 09:33
Total/NA	Prep	PrecSep_0			746737	AMS	EET SL	11/24/25 08:23
Total/NA	Analysis	904.0		1	749904	MLK	EET SL	12/17/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:55

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746736	AMS	EET SL	11/24/25 08:20
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 09:34
Total/NA	Prep	PrecSep_0			746737	AMS	EET SL	11/24/25 08:23
Total/NA	Analysis	904.0		1	749904	MLK	EET SL	12/17/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:55

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Eurofins Chicago

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-26

1
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Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba					
		(30-110)					
500-278090-1	MW-01	70.0					
500-278090-2	MW-02	74.5					
500-278090-3	MW-03	77.9					
500-278090-4	MW-04	69.7					
500-278090-5	MW-09	78.4					
500-278090-6	MW-11	76.8					
500-278090-7	MW-14	71.7					
500-278090-8	Duplicate	79.3					
500-278090-9	MW-07	84.3					
500-278090-10	MW-05	74.5					
500-278090-11	MW-06	83.2					
500-278090-12	MW-16	86.0					
LCS 160-746325/2-A	Lab Control Sample	81.8					
LCS 160-746325/2-A	Lab Control Sample	81.8					
LCS 160-746335/2-A	Lab Control Sample	76.5					
LCS 160-746718/2-A	Lab Control Sample	90.8					
LCS 160-746736/2-A	Lab Control Sample	90.8					
MB 160-746325/1-A	Method Blank	81.0					
MB 160-746335/1-A	Method Blank	80.7					
MB 160-746718/1-A	Method Blank	88.2					
MB 160-746736/1-A	Method Blank	90.5					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba	Y				
		(30-110)	(30-110)				
500-278090-1	MW-01	70.0	78.5				
500-278090-2	MW-02	74.5	78.9				
500-278090-3	MW-03	77.9	77.8				
500-278090-4	MW-04	69.7	76.3				
500-278090-5	MW-09	78.4	78.9				
500-278090-6	MW-11	76.8	76.3				
500-278090-7	MW-14	71.7	75.9				
500-278090-8	Duplicate	79.3	78.5				
500-278090-9	MW-07	84.3	80.0				
500-278090-10	MW-05	74.5	77.0				
500-278090-11	MW-06	83.2	78.9				
500-278090-12	MW-16	86.0	83.4				
LCS 160-746326/2-A	Lab Control Sample	81.8	77.8				
LCS 160-746336/2-A	Lab Control Sample	76.5	81.1				
LCS 160-746723/2-A	Lab Control Sample	90.8	82.6				
LCS 160-746737/2-A	Lab Control Sample	90.8	80.7				
MB 160-746326/1-A	Method Blank	81.0	81.1				
MB 160-746336/1-A	Method Blank	80.7	80.7				
MB 160-746723/1-A	Method Blank	88.2	82.2				

Eurofins Chicago

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.

Project/Site: Waukegan CCR (RAD)

Job ID: 500-278090-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)			
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)		
MB 160-746737/1-A	Method Blank	90.5	83.0		
Tracer/Carrier Legend					
Ba = Ba Carrier					
Y = Y Carrier					