



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

**FEDERAL CCR COMPLIANCE
ANNUAL GROUNDWATER MONITORING and
CORRECTIVE ACTION REPORT - 2024**

**Midwest Generation, LLC
Joliet #9 Generating Station
1601 South Patterson Road
Joliet, Illinois**

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OVERVIEW

Groundwater monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94 and 257.95 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 disposal unit (Lincoln Stone Quarry [LSQ]) monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Joliet #9 Generating Station. The CCR monitoring well network consists of ten monitoring wells (R08S, G20S, G30S, R32S, G44S, G45S, G46S, G47S, G48S and T03S) as shown on Figure 1. Wells T03S and G45S are considered background monitoring wells. The assessment groundwater monitoring network was expanded in the 4th quarter 2018 to assist in defining the nature and extent of impacts as required under 257.95(g)(1). The expanded assessment network includes wells G31S, G33S, T01S, T02S, T04S, T05S, T06S, T08S and T09S. Two additional monitoring wells were installed in 2023, wells T12S and T13S, as part of the ongoing nature and extent of impacts evaluation. It is noted that Figure 1 also includes twelve extraction wells (X101 through X112) along the south side of the LSQ which are part of an interim corrective action which intercepts southward migration of groundwater from the LSQ. It is also noted that monitoring well T04S, which was located on Vulcan Quarry property and was previously being sampled as part of the expanded assessment monitoring network, was abandoned circa May 2020 by Vulcan due to expansion of their mining operations.

This overview of the 2024 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 assessment monitoring program outlined in Section 257.95.
- Section 257.90(e)(6)(ii) – At the end of the current monitoring period, the subject CCR unit continues to operate under the assessment monitoring program outlined in Section 257.95.
- Section 257.90(e)(6)(iii) – The following statistically significant increases (SSIs) above established background for the Appendix III detection monitoring constituents were noted during this monitoring period:

CCR Wells

- o G45S –fluoride (1st, 2nd and 4th quarters)
- o T03S – calcium (3rd quarter), pH (3rd quarter)
- o R08S – boron, calcium, pH and sulfate (1st through 4th quarters)
- o G20S –boron and fluoride (1st through 4th quarters), and pH (1st and 2nd quarters)

- o G30S – boron, fluoride, pH, sulfate and TDS (1st through 4th quarters)
- o R32S – boron and sulfate (1st, 3rd and 4th quarters), calcium (4th quarter), and pH (3rd and 4th quarters)
- o G44S – boron and calcium (1st through 4th quarters)
- o G46S – boron, sulfate and TDS (1st through 4th quarters), calcium (2nd and 3rd quarters) and pH (3rd and 4th quarters)
- o G47S – boron, fluoride, pH, sulfate and TDS (1st through 4th quarters)
- o G48S – boron, fluoride, pH and sulfate (1st through 4th quarters), and TDS (2nd through 4th quarters)

Expanded Assessment Wells

- o G31S – boron, calcium, TDS (1st through 4th quarters), chloride (2nd and 3rd quarters) and sulfate (1st through 3rd quarters)
- o G33S – fluoride (1st, 3rd and 4th quarters) and pH (2nd and 3rd quarter)
- o T01S – boron, fluoride and sulfate (1st through 4th quarters), pH and TDS (4th quarter)
- o T02S – boron and pH (1st through 4th quarters), fluoride (1st and 2nd quarters), and TDS (quarter)
- o T05S – boron, fluoride, pH, sulfate and TDS (1st through 4th quarters)
- o T06S – boron (1st quarter) and fluoride (1st through 4th quarters)
- o T08S – boron, fluoride, sulfate and pH (1st through 4th quarters) and TDS (4th quarter)
- o T09S – boron (1st through 4th quarters), calcium (2nd through 4th quarters), fluoride and sulfate (1st quarter) and pH (3rd and 4th quarters)
- o T12S – boron (1st through 4th quarters), calcium (2nd and 3rd quarters), pH (1st and 2nd quarters)
- o T13S – pH (2nd quarter)

Wells G45S and T03S are background monitoring points.

The initial statistical evaluation of Appendix III constituents determined that there were SSIs in downgradient monitoring wells relative to established background for various Appendix III parameters at various downgradient monitoring locations. The monitoring program was transitioned to assessment monitoring under Section 257.95 in January 2018.

- Section 257.90(e)(6)(iv) – There were confirmed statistically significant levels (SSLs) above groundwater protection standards (GWPSs) for the Appendix IV assessment monitoring constituents for this unit recorded during this monitoring period. Various wells showed concentrations of five Appendix IV parameters above the established GWPSs. Specifically, these were:

- o Molybdenum – CCR wells R08S, G46S, G47S and G48S (1st through 4th quarters), T03S (1st and 3rd quarters) and R32S (1st, 3rd and 4th quarters), and expanded network wells G31S, T01S, T02S, T05S, T08S, T09S and T12S (1st through 4th quarters)
- o Lithium – CCR wells R08S, G44S, G46S and G47S (1st through 4th quarters), G20S (1st quarter) and R32S (1st, 3rd and 4th quarters) and expanded network wells G31S, T08S, T09S and T12S (1st through 4th quarters), T02S (3rd quarter)
- o Arsenic – CCR wells G46S and G47S (1st through 4th quarters) and expanded network wells T01S (1st and 2nd quarters), T05S, T08S and T12S (1st through 4th quarters)
- o Cobalt - Expanded network well T01S (1st and 4th) and T02S (1st quarter)

Wells G45S and T03S are background monitoring points.

The assessment of corrective measures was initiated in March 2019 and completed on May 31, 2019. A public meeting to present the results of the corrective measures study was held on August 27, 2019.

- Section 257.90(e)(6)(v) – Remedy selection pursuant to Section 257.97 is in process; however, was not completed during this reporting period as Midwest Generation is awaiting Illinois Environmental Protection Agency (IEPA) review/approval of a State required Application for Initial Construction Permit (submitted to IEPA on January 28, 2022) under the State CCR Rule program prior to being able to proceed with final remedy selection and subsequent implementation.
- Section 257.90(e)(6)(vi) – As noted above, because Midwest Generation is waiting for an approved Construction Permit from IEPA, remedial activities pursuant to Section 257.98 were not initiated during this reporting period.

1.0 INTRODUCTION

The groundwater sampling for the 2024 semi-annual assessment monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94 and 257.95, 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 disposal unit (Lincoln Stone Quarry [LSQ]) monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Joliet #9 Generating Station. The CCR monitoring well network consists of ten monitoring wells (R08S, G20S, G30S, R32S, G44S, G45S, G46S, G47S, G48S and T03S) as shown on Figure 1. Wells T03S and G45S are considered background monitoring points. The assessment groundwater monitoring network was expanded in the 4th quarter 2018 to assist in defining the nature and extent of impacts as required under 257.95(g)(1). In addition, two additional monitoring wells were installed in 2023, wells T12S and T13S, as part of the ongoing nature and extent of impacts evaluation. The current expanded assessment network includes wells G31S, G33S, T01S, T02S, T05S, T06S, T08S, T09S, T12S and T13S. It is noted that Figure 1 also includes twelve extraction wells (X101 through X112) along the south side of the LSQ which are part of an interim corrective action, initiated in 2010 and expanded in 2012, which intercepts southward migration of groundwater from the LSQ. It is also noted that monitoring well T04S, which was located on Vulcan Quarry property and was previously being sampled as part of the expanded assessment monitoring network, was abandoned circa May 2020 by Vulcan due to expansion of their mining operations.

This annual report covers the work performed relative to CCR groundwater monitoring during the calendar year 2024. It does not duplicate information or activities reported in previous annual submittals. 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, presents the statistical evaluations and assessment monitoring completed, identifies the other key compliance actions completed during the year and provides the current status of the site compliance activities along with recommendations.

2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION

2.1 Field Procedures

As previously noted, the CCR groundwater monitoring network around the LSQ at the Joliet #9 facility consists of ten monitoring wells (R08S, G20S, G30S, R32S, G44S, G45S, G46S, G47S, G48S and T03S) and an expanded nature and extent characterization network which includes wells G31S, G33S, T01S, T02S, T05S, T06S, T08S, T09S, T12S and T13S 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 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 each well during each round of groundwater monitoring. A complete round of water levels was collected prior to initiating sampling, and the water level data are summarized in Table 1. The water levels were used to generate a groundwater flow map for each sampling event which are provided in Attachment 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. A review of the maps indicates groundwater flow to the north and west from the LSQ. Groundwater moving to the south-southeast due to dewatering operations at the nearby Vulcan Quarry is being captured by the extraction well system along the southern perimeter of the LSQ and discharged back into the LSQ. In accordance with general groundwater sampling requirements under Section 257.93(c), Table 2 provides a summary of the natural flow direction (i.e., not affected by extraction well or Vulcan Quarry pumping) 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 used in Table 2 was obtained from the Revised Groundwater Impact Assessment Lincoln Stone Quarry Landfill – Addendum to IEPA Application Logs 2004-052 and 2009-213 dated March 13, 2013. The estimated effective porosity of the aquifer materials (0.05) was also obtained from the above noted document.

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS

3.1 Sampling Summary

The groundwater sampling summary from 2024 is provided in Table 3, in accordance with 257.90 (e)(3).

3.2 Data Summary

As discussed in Section 1.0, this site is in assessment monitoring. The analytical data from the assessment monitoring groundwater sampling for Appendix III and IV parameters are provided in Tables 4 and 5, respectively for the standard monitoring wells, and in Tables 6 and 7 for the expanded assessment wells, respectively. Tables 4 and 6 include Prediction Limits (PLs) for Appendix III parameters and Tables 5 and 7 include site-specific Groundwater Protection Standards (GWPSs) under the federal CCR rule for detected Appendix IV constituents. All tables include the sample dates and whether the specific well is considered upgradient or downgradient relative to groundwater flow and the regulated unit(s). All duplicate values were within an acceptable range. The analytical data packages from these sampling events are provided in Attachment 2.

It is noted that, under separate cover, a Federal CCR Compliance Nature and Extent of Impacts Evaluation for the Lincoln Stone Quarry dated November 8, 2023 was placed into the facility's operating record.

3.3 Current Status

The site continues to be in assessment monitoring. Additional study is being developed for refining the definition of the extent of impacts in accordance with Section 257.95(g)(1). Off-site access agreements are being negotiated for some of the needed additional nature extent study well installations. Additional assessment well installations are anticipated to be scheduled for the Spring/Summer of 2025 to further refine the nature and extent of impacts.

4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS

The site continues to be in assessment monitoring. The assessment monitoring requirements in accordance with the CCR rule are being successfully met. Various wells showed concentrations of five Appendix IV parameters above the established GWPSs. Specifically, these were:

- Molybdenum – CCR wells R08S, G46S, G47S and G48S (1st through 4th quarters), T03S (1st and 3rd quarters) and R32S (1st, 3rd and 4th quarters), and expanded network wells G31S, T01S, T02S, T05S, T08S, T09S and T12S (1st through 4th quarters)
- Lithium – CCR wells R08S, G44S, G46S and G47S (1st through 4th quarters), G20S (1st quarter) and R32S (1st, 3rd and 4th quarters) and expanded network wells G31S, T08S, T09S and T12S (1st through 4th quarters), T02S (3rd quarter)
- Arsenic – CCR wells G46S and G47S (1st through 4th quarters) and expanded network wells T01S (1st and 2nd quarters), T05S, T08S and T12S (1st through 4th quarters)
- Cobalt - Expanded network well T01S (1st and 4th) and T02S (1st quarter)

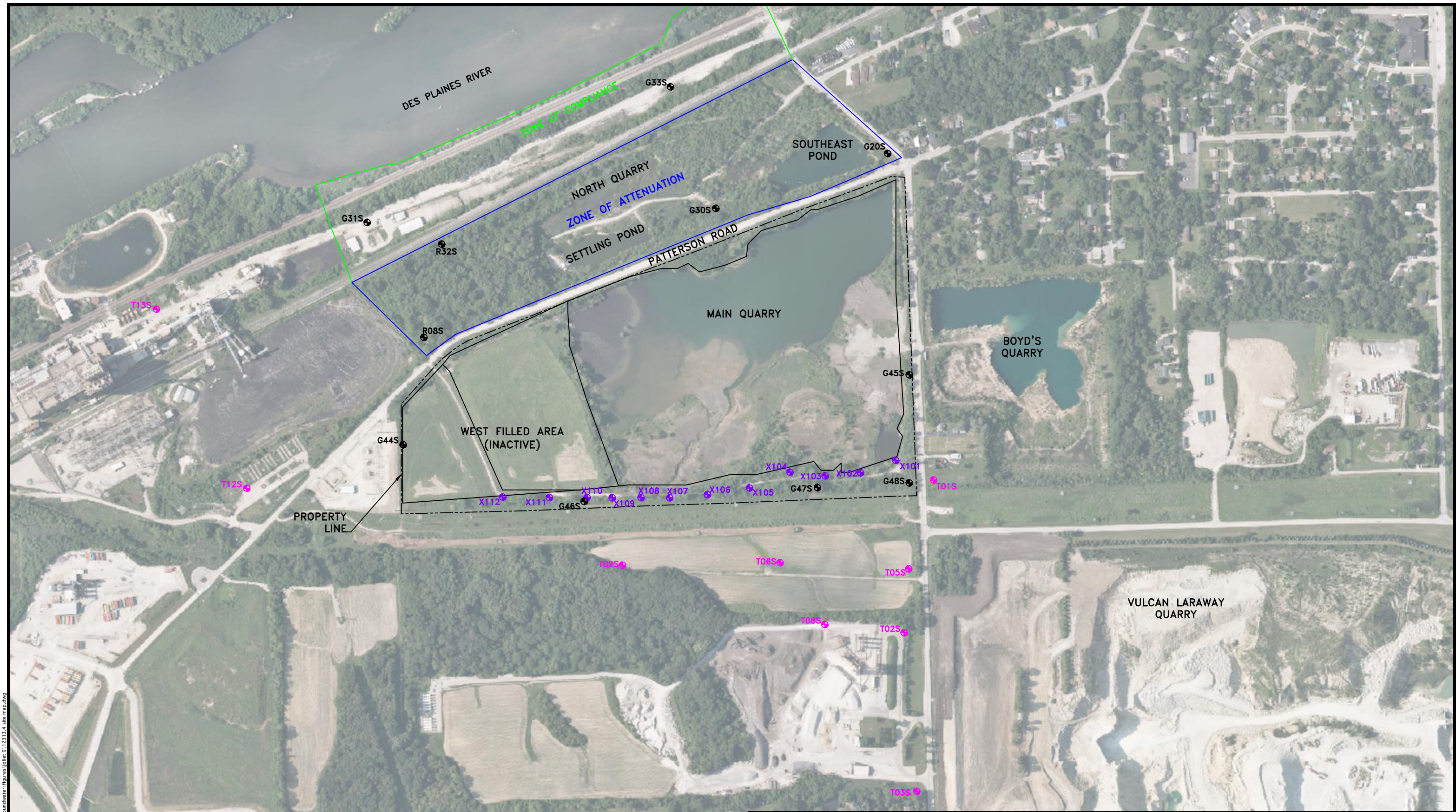
At this time, it is recommended to continue with assessment monitoring in accordance with Section 257.95 and formalize selection of remedy in accordance with Section 257.97 once the Application for Initial Construction Permit submitted to IEPA on January 28, 2022, as required under the State CCR Rule program, is approved. It is noted that once the final remedy is selected, initiation of remedial activities must occur within 90-days in accordance with Section 257.98.

A refinement of the nature and extent of impacts evaluation is also currently ongoing, as discussed in Sections 3.2 and 3.3, in accordance with Section 257.95(g)(1). Results of the additional ongoing work will be provided under separate cover.

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.
- KPRG and Associates, Inc. and Geo-Hydro, Inc., Revised Groundwater Impact Assessment Lincoln Stone Quarry Landfill – Addendum to IEPA Application Logs 2004-052 and 2009-213. March 13, 2013.
- KPRG and Associates, Inc., CCR Assessment of Corrective Measures Joliet #9 Generating Station Time Extension. March 28, 2019.
- KPRG and Associates, Inc., CCR Compliance Assessment of Corrective Measures Report Lincoln Stone Quarry. May 31, 2019.
- KPRG and Associates, Inc., CCR Compliance Monitoring, Sampling and Analysis Plan, Midwest Generation, LLC Joliet #9 Generating Station. October 10, 2017.
- KPRG and Associates, Inc., Statistical Evaluation Summary CCR Groundwater Monitoring Joliet #9 Generating Station. January 12, 2018.
- KPRG and Associates, Inc., Initial Assessment Monitoring Data Evaluation CCR Groundwater Monitoring Joliet #9 Generating Station. April 12, 2018.
- KPRG and Associates, Inc., Statistical Evaluation Summary CCR Groundwater Assessment Monitoring Powerton Generation Station. October 4, 2018; Revised October 18, 2018.
- KPRG and Associates, Inc., CCR Compliance Statistical Approach for Groundwater Data Evaluation, Midwest Generation, LLC Joliet #9 Generating Station. October 10, 2017.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Reports, Midwest Generation, LLC Joliet #9 Generating Station. January 31, 2017, 2018, 2019, 2020, 2021 and 2022.
- KPRG and Associates, Inc., Application for Initial Construction Permit, Joliet #9 Generating Station, Midwest Generation, LLC, January 28, 2022.
- KPRG and Associates, Inc., Federal CCR Compliance Nature and Extent of impacts Evaluation, Midwest Generation, LLC Joliet #9 Generating Station. November 8, 2023.

FIGURE



w:\Projects\Midwest Generation\12313 ash pond groundwater\figures\joliet\9\12313.4 site map.dwg

LEGEND

- G47S INITIAL CCR NETWORK MONITORING WELL
- T01S CCR ASSESSMENT MONITORING WELL
- X101 EXTRACTION WELL

0 450'
APPROXIMATE SCALE



ENVIRONMENTAL CONSULTATION & REMEDIATION

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FEDERAL CCR MONITORING WELLS LOCATIONS

LINCOLN STONE QUARRY
JOLIET, ILLINOIS

Scale: 1" = 450' Date: September 25, 2023

KPRG Project No. 12313.4 FIGURE 1

TABLES

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
R08S	Nov-2015	578.65	66.74	511.91
	May-2016	578.65	67.02	511.63
	Jun-2016	578.65	67.50	511.15
	Aug-2016	578.65	67.47	511.18
	Nov-2016	578.65	67.84	510.81
	Feb-2017	578.65	69.28	509.37
	May-2017	578.65	67.56	511.09
	Jul-2017	578.65	67.54	511.11
	Sep-2017	578.65	65.72	512.93
	Nov-2017	578.65	64.83	513.82
	Mar-2018	578.65	65.12	513.53
	May-2018	578.65	65.31	513.34
	Oct-2018	578.62	65.48	513.14
	May-2019	578.62	67.24	511.38
	Nov-2019	578.62	66.78	511.84
	Apr-2020	578.62	65.63	512.99
	Oct-2020	578.62	68.14	510.48
	Apr-2021	578.62	69.20	509.42
	May-2021	578.62	68.06	510.56
	Jun-2021	578.62	68.49	510.13
	Jul-2021	578.62	66.54	512.08
	Aug-2021	578.62	67.38	511.24
	Sep-2022	578.62	67.15	511.47
	Oct-2021	578.62	68.05	510.57
	Nov-2021	578.62	66.18	512.44
	Dec-2021	578.62	69.45	509.17
	Jan-2022	578.62	66.75	511.87
	Feb-2022	578.62	67.19	511.43
	Mar-2022	578.62	66.09	512.53
	Apr-2022	578.62	66.96	511.66
	May-2022	578.62	67.58	511.04
	Jun-2022	578.62	68.20	510.42
	Jul-2022	578.62	66.21	512.41
	Aug-2022	578.62	65.86	512.76
	Sep-2022	578.62	67.21	511.41
	Oct-2022	578.62	65.20	513.42
	Nov-2022	578.62	66.41	512.21
	Dec-2022	578.62	66.33	512.29
	Jan-2023	578.62	66.52	512.10
	Feb-2023	578.62	66.37	512.25
	Mar-2023	578.62	64.31	514.31
	Apr-2023	578.62	69.77	508.85
	May-2023	578.62	70.38	508.24
	Jun-2023	578.62	70.29	508.33
	Jul-2023	578.62	69.93	508.69
	Aug-2023	578.62	71.18	507.44
	Sep-2023	578.62	69.85	508.77
	Oct-2023	578.62	73.29	505.33
	Nov-2023	578.62	73.78	504.84
	Dec-2023	578.62	70.99	507.63
	Jan-2024	578.62	73.32	505.30
	Feb-2024	578.62	72.10	506.52
	Mar-2024	578.62	73.39	505.23
	Apr-2024	578.62	70.14	508.48
	May-2024	578.62	68.11	510.51
	Jun-2024	578.62	70.59	508.03
	Jul-2024	578.62	70.00	508.62
	Aug-2024	578.62	70.21	508.41
	Sep-2024	578.62	73.09	505.53
	Oct-2024	578.64	73.14	505.50
	Nov-2024	578.64	73.49	505.15
	Dec-2024	578.64	73.66	504.98

MSL - Mean Sea Level

TOC - Top of Casing

¹ - Date of water levels collected at beginning of quarter, actual sample date may vary.

NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G20S	Nov-2015	580.33	55.33	525.00
	May-2016	580.33	51.32	529.01
	Jun-2016	580.33	53.14	527.19
	Aug-2016	580.33	61.32	519.01
	Nov-2016	580.33	54.69	525.64
	Feb-2017	580.33	52.41	527.92
	May-2017	580.33	46.06	534.27
	Jul-2017	580.33	47.85	532.48
	Sep-2017	580.33	49.02	531.31
	Nov-2017	580.33	52.57	527.76
	Mar-2018	580.33	46.65	533.68
	May-2018	580.33	48.83	531.50
	Oct-2018	580.91	49.46	531.45
	May-2019	580.91	39.03	541.88
	Nov-2019	580.91	41.82	539.09
	Apr-2020	580.91	41.69	539.22
	Oct-2020	580.91	46.74	534.17
	Apr-2021	580.91	45.69	535.22
	May-2021	580.91	46.15	534.76
	Jun-2021	580.91	48.50	532.41
	Jul-2021	580.91	56.19	524.72
	Aug-2021	580.91	64.02	516.89
	Sep-2021	580.91	72.75	508.16
	Oct-2021	580.91	78.99	501.92
	Nov-2021	580.91	77.54	503.37
	Dec-2021	580.91	129.36	451.55
	Jan-2022	580.91	72.71	508.20
	Feb-2022	580.91	67.38	513.53
	Mar-2022	580.91	55.70	525.21
	Apr-2022	580.91	60.53	520.38
	May-2022	580.91	67.59	513.32
	Jun-2022	580.91	67.32	513.59
	Jul-2022	580.91	73.05	507.86
	Aug-2022	580.91	71.72	509.19
	Sep-2022	580.91	73.94	506.97
	Oct-2022	580.91	79.84	501.07
	Nov-2022	580.91	82.86	498.05
	Dec-2022	580.91	72.26	508.65
	Jan-2023	580.91	69.70	511.21
	Feb-2023	580.91	66.19	514.72
	Mar-2023	580.91	55.27	525.64
	Apr-2023	580.91	55.07	525.84
	May-2023	580.91	50.69	530.22
	Jun-2023	580.91	53.60	527.31
	Jul-2023	580.91	60.64	520.27
	Aug-2023	580.91	57.12	523.79
	Sep-2023	580.91	58.38	522.53
	Oct-2023	580.91	55.38	525.53
	Nov-2023	580.91	53.54	527.37
	Dec-2023	580.91	54.10	526.81
	Jan-2024	580.91	56.36	524.55
	Feb-2024	580.91	51.01	529.90
	Mar-2024	580.91	61.25	519.66
	Apr-2024	580.91	54.29	526.62
	May-2024	580.91	48.51	532.40
	Jun-2024	580.91	47.98	532.93
	Jul-2024	580.91	53.79	527.12
	Aug-2024	580.91	55.15	525.76
	Sep-2024	580.91	73.09	507.82
	Oct-2024	580.79	57.02	523.77
	Nov-2024	580.79	69.99	510.80
	Dec-2024	580.79	68.05	512.74

MSL - Mean Sea Level

TOC - Top of Casing

¹ - Date of water levels collected at beginning of quarter, actual sample date may vary.

NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G305	Nov-2015	524.40	2.74	521.66
	May-2016	524.40	2.53	521.87
	Jun-2016	524.40	3.54	520.86
	Aug-2016	524.40	2.45	521.95
	Nov-2016	524.40	2.57	521.83
	Feb-2017	524.40	2.13	522.27
	May-2017	524.40	1.69	522.71
	Jul-2017	524.40	1.96	522.44
	Sep-2017	524.40	1.84	522.56
	Nov-2017	524.40	1.48	522.92
	Mar-2018	524.40	1.48	522.92
	May-2018	524.40	1.62	522.78
	Oct-2018	524.70	2.51	522.19
	May-2019	524.70	1.57	523.13
	Nov-2019	524.70	1.53	523.17
	Apr-2020	524.70	1.03	523.67
	Oct-2020	524.70	2.19	522.51
	Apr-2021	524.70	2.55	522.15
	May-2021	524.70	2.37	522.33
	Jun-2021	524.70	2.53	522.17
	Jul-2021	524.70	2.32	522.38
	Aug-2021	524.70	2.45	522.25
	Sep-2021	524.70	2.65	522.05
	Oct-2021	524.70	2.43	522.27
	Nov-2021	524.70	2.20	522.50
	Dec-2021	524.70	2.21	522.49
	Jan-2022	524.70	2.25	522.45
	Feb-2022	524.70	2.01	522.69
	Mar-2022	524.70	2.02	522.68
	Apr-2022	524.70	1.84	522.86
	May-2022	524.70	1.77	522.93
	Jun-2022	524.70	1.82	522.88
	Jul-2022	524.70	1.18	523.52
	Aug-2022	524.70	1.65	523.05
	Sep-2022	524.70	2.59	522.11
	Oct-2022	524.70	2.61	522.09
	Nov-2022	524.70	2.60	522.10
	Dec-2022	524.70	2.48	522.22
	Jan-2023	524.70	2.42	522.28
	Feb-2023	524.70	2.26	522.44
	Mar-2023	524.70	2.31	522.39
	Apr-2023	524.70	2.21	522.49
	May-2023	524.70	2.82	521.88
	Jun-2023	524.70	2.44	522.26
	Jul-2023	524.70	2.29	522.41
	Aug-2023	524.70	2.30	522.40
	Sep-2023	524.70	2.06	522.64
	Oct-2023	524.70	2.10	522.60
	Nov-2023	524.70	2.65	522.05
	Dec-2023	524.70	2.10	522.60
	Jan-2024	524.70	2.10	522.60
	Feb-2024	524.70	1.93	522.77
	Mar-2024	524.70	1.97	522.73
	Apr-2024	524.70	1.47	523.23
	May-2024	524.70	1.69	523.01
	Jun-2024	524.70	1.49	523.21
	Jul-2024	524.70	1.49	523.21
	Aug-2024	524.70	1.45	523.25
	Sep-2024	524.70	1.54	523.16
	Oct-2024	524.78	1.54	523.24
	Nov-2024	524.78	1.79	522.99
	Dec-2024	524.78	1.89	522.89

MSL - Mean Sea Level

TOC - Top of Casing

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NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
R325	Nov-2015	536.81	19.99	516.82
	May-2016	536.81	19.72	517.09
	Jun-2016	536.81	20.51	516.30
	Aug-2016	536.81	20.51	516.30
	Nov-2016	536.81	20.24	516.57
	Feb-2017	536.81	21.12	515.69
	May-2017	536.81	19.33	517.48
	Jul-2017	536.81	19.38	517.43
	Sep-2017	536.81	17.91	518.90
	Nov-2017	536.81	16.32	520.49
	Mar-2018	536.81	16.98	519.83
	May-2018	536.81	20.26	516.55
	Oct-2018	536.99	18.32	518.67
	May-2019	536.99	19.28	517.71
	Nov-2019	536.99	19.09	517.90
	Apr-2020	536.99	17.74	519.25
	Oct-2020	536.99	20.76	516.23
	Apr-2021	536.99	22.06	514.93
	May-2021	536.99	21.41	515.58
	Jun-2021	536.99	21.19	515.80
	Jul-2021	536.99	19.69	517.30
	Aug-2021	536.99	NM	NM
	Sep-2021	536.99	21.18	515.81
	Oct-2021	536.99	20.91	516.08
	Nov-2021	536.99	19.17	517.82
	Dec-2021	536.99	21.74	515.25
	Jan-2022	536.99	19.69	517.30
	Feb-2022	536.99	20.06	516.93
	Mar-2022	536.99	19.68	517.31
	Apr-2022	536.99	19.80	517.19
	May-2022	536.99	20.09	516.90
	Jun-2022	536.99	20.49	516.50
	Jul-2022	536.99	18.70	518.29
	Aug-2022	536.99	20.59	516.40
	Sep-2022	536.99	20.17	516.82
	Oct-2022	536.99	18.28	518.71
	Nov-2022	536.99	19.28	517.71
	Dec-2022	536.99	18.35	518.64
	Jan-2023	536.99	19.31	517.68
	Feb-2023	536.99	19.36	517.63
	Mar-2023	536.99	22.18	514.81
	Apr-2023	536.99	21.92	515.07
	May-2023	536.99	22.41	514.58
	Jun-2023	536.99	22.35	514.64
	Jul-2023	536.99	22.15	514.84
	Aug-2023	536.99	22.95	514.04
	Sep-2023	536.99	22.34	514.65
	Oct-2023	536.99	24.92	512.07
	Nov-2023	536.99	25.28	511.71
	Dec-2023	536.99	22.74	514.25
	Jan-2024	536.99	24.81	512.18
	Feb-2024	536.99	24.35	512.64
	Mar-2024	536.99	24.73	512.26
	Apr-2024	536.99	21.93	515.06
	May-2024	536.99	20.11	516.88
	Jun-2024	536.99	22.13	514.86
	Jul-2024	536.99	21.60	515.39
	Aug-2024	536.99	21.74	515.25
	Sep-2024	536.99	24.06	512.93
	Oct-2024	537.04	24.10	512.94
	Nov-2024	537.04	24.83	512.21
	Dec-2024	537.04	24.85	512.19

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NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G44S	Nov-2015	586.69	80.54	506.15
	May-2016	586.69	80.42	506.27
	Jun-2016	586.69	80.68	506.01
	Aug-2016	586.69	80.65	506.04
	Nov-2016	586.69	80.69	506.00
	Feb-2017	586.69	84.34	502.35
	May-2017	586.69	82.14	504.55
	Jul-2017	586.69	81.13	505.56
	Sep-2017	586.69	80.15	506.54
	Nov-2017	586.69	77.10	509.59
	Mar-2018	586.69	78.74	507.95
	May-2018	586.69	80.17	506.52
	Oct-2018	586.53	78.21	508.32
	May-2019	586.53	80.05	506.48
	Nov-2019	586.53	79.96	506.57
	Apr-2020	586.53	79.25	507.28
	Oct-2020	586.53	81.51	505.02
	Apr-2021	586.53	82.51	504.02
	May-2021	586.53	80.80	505.73
	Jun-2021	586.53	82.21	504.32
	Jul-2021	586.53	79.66	506.87
	Aug-2021	586.53	80.80	505.73
	Sep-2021	586.53	80.90	505.63
	Oct-2021	586.53	77.51	509.02
	Nov-2021	586.53	66.28	520.25
	Dec-2021	586.53	82.71	503.82
	Jan-2022	586.53	80.30	506.23
	Feb-2022	586.53	81.07	505.46
	Mar-2022	586.53	79.64	506.89
	Apr-2022	586.53	78.65	507.88
	May-2022	586.53	89.85	496.68
	Jun-2022	586.53	80.75	505.78
	Jul-2022	586.53	80.09	506.44
	Aug-2022	586.53	79.01	507.52
	Sep-2022	586.53	80.24	506.29
	Oct-2022	586.53	78.82	507.71
	Nov-2022	586.53	79.79	506.74
	Dec-2022	586.53	80.89	505.64
	Jan-2023	586.53	80.04	506.49
	Feb-2023	586.53	80.59	505.94
	Mar-2023	586.53	78.52	508.01
	Apr-2023	586.53	82.13	504.40
	May-2023	586.53	83.05	503.48
	Jun-2023	586.53	83.12	503.41
	Jul-2023	586.53	32.61	553.92
	Aug-2023	586.53	52.75	533.78
	Sep-2023	586.53	82.75	503.78
	Oct-2023	586.53	85.46	501.07
	Nov-2023	586.53	86.11	500.42
	Dec-2023	586.53	83.45	503.08
	Jan-2024	586.53	85.51	501.02
	Feb-2024	586.53	84.59	501.94
	Mar-2024	586.53	85.57	500.96
	Apr-2024	586.53	81.46	505.07
	May-2024	586.53	79.63	506.90
	Jun-2024	586.53	82.25	504.28
	Jul-2024	586.53	82.04	504.49
	Aug-2024	586.53	82.42	504.11
	Sep-2024	586.53	85.12	501.41
	Oct-2024	586.62	85.51	501.11
	Nov-2024	586.62	85.61	501.01
	Dec-2024	586.62	85.95	500.67

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NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G45S	Nov-2015	603.31	68.90	534.41
	May-2016	603.31	67.28	536.03
	Jun-2016	603.31	68.88	534.43
	Aug-2016	603.31	68.39	534.92
	Nov-2016	603.31	66.69	536.62
	Feb-2017	603.31	65.34	537.97
	May-2017	603.31	63.07	540.24
	Jul-2017	603.31	63.44	539.87
	Sep-2017	603.31	63.10	540.21
	Nov-2017	603.31	62.28	541.03
	Mar-2018	603.31	61.82	541.49
	May-2018	603.31	68.50	534.81
	Oct-2018	603.90	66.74	537.16
	May-2019	603.90	62.72	541.18
	Nov-2019	603.90	62.38	541.52
	Apr-2020	603.90	60.10	543.80
	Oct-2020	603.90	65.51	538.39
	Apr-2021	603.90	67.71	536.19
	May-2021	603.90	67.32	536.58
	Jun-2021	603.90	67.41	536.49
	Jul-2021	603.90	66.55	537.35
	Aug-2021	603.90	66.74	537.16
	Sep-2021	603.90	66.87	537.03
	Oct-2021	603.90	66.94	536.96
	Nov-2021	603.90	66.28	537.62
	Dec-2021	603.90	66.15	537.75
	Jan-2022	603.90	66.16	537.74
	Feb-2022	603.90	66.13	537.77
	Mar-2022	603.90	65.50	538.40
	Apr-2022	603.90	64.85	539.05
	May-2022	603.90	64.13	539.77
	Jun-2022	603.90	64.07	539.83
	Jul-2022	603.90	64.36	539.54
	Aug-2022	603.90	53.95	549.95
	Sep-2022	603.90	67.31	536.59
	Oct-2022	603.90	67.47	536.43
	Nov-2022	603.90	67.51	536.39
	Dec-2022	603.90	67.78	536.12
	Jan-2023	603.90	67.34	536.56
	Feb-2023	603.90	67.42	536.48
	Mar-2023	603.90	66.14	537.76
	Apr-2023	603.90	66.11	537.79
	May-2023	603.90	66.12	537.78
	Jun-2023	603.90	66.33	537.57
	Jul-2023	603.90	66.21	537.69
	Aug-2023	603.90	66.20	537.70
	Sep-2023	603.90	65.12	538.78
	Oct-2023	603.90	65.89	538.01
	Nov-2023	603.90	66.51	537.39
	Dec-2023	603.90	66.45	537.45
	Jan-2024	603.90	65.20	538.70
	Feb-2024	603.90	64.97	538.93
	Mar-2024	603.90	64.95	538.95
	Apr-2024	603.90	60.83	543.07
	May-2024	603.90	63.22	540.68
	Jun-2024	603.90	62.52	541.38
	Jul-2024	603.90	62.45	541.45
	Aug-2024	603.90	62.39	541.51
	Sep-2024	603.90	62.62	541.28
	Oct-2024	603.81	62.73	541.08
	Nov-2024	603.81	64.55	539.26
	Dec-2024	603.81	64.63	539.18

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Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G46S	Nov-2015	601.32	95.78	505.54
	May-2016	601.32	96.74	504.58
	Jun-2016	601.32	97.31	504.01
	Aug-2016	601.32	97.32	504.00
	Nov-2016	601.32	97.50	503.82
	Feb-2017	601.32	98.14	503.18
	May-2017	601.32	98.43	502.89
	Jul-2017	601.32	98.96	502.36
	Sep-2017	601.32	96.61	504.71
	Nov-2017	601.32	95.65	505.67
	Mar-2018	601.32	96.80	504.52
	May-2018	601.32	95.59	505.73
	Oct-2018	601.43	91.34	510.09
	May-2019	601.43	101.40	500.03
	Nov-2019	601.43	100.01	503.83
	Apr-2020	601.43	100.19	501.24
	Oct-2020	601.43	101.44	499.99
	Apr-2021	601.43	103.09	498.34
	May-2021	601.43	99.02	502.41
	Jun-2021	601.43	100.03	501.40
	Jul-2021	601.43	94.99	506.44
	Aug-2021	601.43	99.46	501.97
	Sep-2021	601.43	99.09	502.34
	Oct-2021	601.43	100.36	501.07
	Nov-2021	601.43	95.22	506.21
	Dec-2021	601.43	105.28	496.15
	Jan-2022	601.43	95.79	505.64
	Feb-2022	601.43	95.75	505.68
	Mar-2022	601.43	95.71	505.72
	Apr-2022	601.43	105.41	496.02
	May-2022	601.43	102.83	498.60
	Jun-2022	601.43	103.40	498.03
	Jul-2022	601.43	105.51	495.92
	Aug-2022	601.43	107.49	493.94
	Sep-2022	601.43	96.60	504.83
	Oct-2022	601.43	92.39	509.04
	Nov-2022	601.43	93.24	508.19
	Dec-2022	601.43	93.90	507.53
	Jan-2023	601.43	94.61	506.82
	Feb-2023	601.43	95.79	505.64
	Mar-2023	601.43	91.99	509.44
	Apr-2023	601.43	106.56	494.87
	May-2023	601.43	108.96	492.47
	Jun-2023	601.43	104.26	497.17
	Jul-2023	601.43	105.51	495.92
	Aug-2023	601.43	105.75	495.68
	Sep-2023	601.43	106.12	495.31
	Oct-2023	601.43	107.45	493.98
	Nov-2023	601.43	112.32	489.11
	Dec-2023	601.43	109.48	491.95
	Jan-2024	601.43	111.39	490.04
	Feb-2024	601.43	111.22	490.21
	Mar-2024	601.43	109.54	491.89
	Apr-2024	601.43	105.54	495.89
	May-2024	601.43	98.68	502.75
	Jun-2024	601.43	102.09	499.34
	Jul-2024	601.43	101.72	499.71
	Aug-2024	601.43	101.13	500.30
	Sep-2024	601.43	108.30	493.13
	Oct-2024	601.32	113.33	487.99
	Nov-2024	601.32	109.53	491.79
	Dec-2024	601.32	108.79	492.53

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Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G47S	Nov-2015	612.32	99.44	512.88
	May-2016	612.32	95.48	516.84
	Jun-2016	612.32	96.58	515.74
	Aug-2016	612.32	96.79	515.53
	Nov-2016	612.32	88.96	523.36
	Feb-2017	612.32	96.41	515.91
	May-2017	612.32	92.61	519.71
	Jul-2017	612.32	93.53	518.79
	Sep-2017	612.32	93.50	518.82
	Nov-2017	612.32	92.57	519.75
	Mar-2018	612.32	93.63	518.69
	May-2018	612.32	93.51	518.81
	Oct-2018	612.10	96.29	515.81
	May-2019	612.10	91.78	520.32
	Nov-2019	612.10	91.98	520.12
	Apr-2020	612.10	89.34	522.76
	Oct-2020	612.10	86.78	525.32
	Apr-2021	612.10	96.78	515.32
	May-2021	612.10	96.77	515.33
	Jun-2021	612.10	96.78	515.32
	Jul-2021	612.10	94.99	517.11
	Aug-2021	612.10	95.92	516.18
	Sep-2021	612.10	96.51	515.59
	Oct-2021	612.10	96.84	515.26
	Nov-2021	612.10	95.49	516.61
	Dec-2021	612.10	95.98	516.12
	Jan-2022	612.10	95.61	516.49
	Feb-2022	612.10	96.08	516.02
	Mar-2022	612.10	94.26	517.84
	Apr-2022	612.10	92.90	519.20
	May-2022	612.10	92.19	519.91
	Jun-2022	612.10	92.26	519.84
	Jul-2022	612.10	93.24	518.86
	Aug-2022	612.10	86.20	525.90
	Sep-2022	612.10	88.85	523.25
	Oct-2022	612.10	88.50	523.60
	Nov-2022	612.10	95.24	516.86
	Dec-2022	612.10	96.57	515.53
	Jan-2023	612.10	96.16	515.94
	Feb-2023	612.10	96.20	515.90
	Mar-2023	612.10	94.95	517.15
	Apr-2023	612.10	94.75	517.35
	May-2023	612.10	95.10	517.00
	Jun-2023	612.10	95.05	517.05
	Jul-2023	612.10	94.38	517.72
	Aug-2023	612.10	95.11	516.99
	Sep-2023	612.10	95.26	516.84
	Oct-2023	612.10	95.74	516.36
	Nov-2023	612.10	95.95	516.15
	Dec-2023	612.10	95.82	516.28
	Jan-2024	612.10	95.84	516.26
	Feb-2024	612.10	94.24	517.86
	Mar-2024	612.10	94.73	517.37
	Apr-2024	612.10	92.96	519.14
	May-2024	612.10	91.45	520.65
	Jun-2024	612.10	91.15	520.95
	Jul-2024	612.10	91.39	520.71
	Aug-2024	612.10	91.66	520.44
	Sep-2024	612.10	92.65	519.45
	Oct-2024	612.16	92.63	519.53
	Nov-2024	612.16	94.99	517.17
	Dec-2024	612.16	94.78	517.38

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NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
G48S	Nov-2015	620.77	106.83	513.94
	May-2016	620.77	105.20	515.57
	Jun-2016	620.77	104.95	515.82
	Aug-2016	620.77	104.77	516.00
	Nov-2016	620.77	102.41	518.36
	Feb-2017	620.77	103.05	517.72
	May-2017	620.77	100.06	520.71
	Jul-2017	620.77	102.31	518.46
	Sep-2017	620.77	102.88	517.89
	Nov-2017	620.77	100.83	519.94
	Mar-2018	620.77	99.77	521.00
	May-2018	620.77	100.74	520.03
	Oct-2018	620.78	105.79	514.99
	May-2019	620.78	98.18	522.60
	Nov-2019	620.78	98.30	522.48
	Apr-2020	620.78	95.54	525.24
	Oct-2020	620.78	100.63	520.15
	Apr-2021	620.78	104.98	515.80
	May-2021	620.78	103.69	517.09
	Jun-2021	620.78	NM	NM
	Jul-2021	620.78	100.85	519.93
	Aug-2021	620.78	95.92	524.86
	Sep-2021	620.78	105.19	515.59
	Oct-2021	620.78	106.32	514.46
	Nov-2021	620.78	103.91	516.87
	Dec-2021	620.78	105.09	515.69
	Jan-2022	620.78	104.97	515.81
	Feb-2022	620.78	105.59	515.19
	Mar-2022	620.78	104.27	516.51
	Apr-2022	620.78	101.51	519.27
	May-2022	620.78	101.03	519.75
	Jun-2022	620.78	101.51	519.27
	Jul-2022	620.78	102.06	518.72
	Aug-2022	620.78	99.48	521.30
	Sep-2022	620.78	104.86	515.92
	Oct-2022	620.78	105.38	515.40
	Nov-2022	620.78	105.42	515.36
	Dec-2022	620.78	105.61	515.17
	Jan-2023	620.78	104.83	515.95
	Feb-2023	620.78	104.72	516.06
	Mar-2023	620.78	103.74	517.04
	Apr-2023	620.78	103.35	517.43
	May-2023	620.78	104.10	516.68
	Jun-2023	620.78	104.53	516.25
	Jul-2023	620.78	103.51	517.27
	Aug-2023	620.78	103.54	517.24
	Sep-2023	620.78	103.25	517.53
	Oct-2023	620.78	103.04	517.74
	Nov-2023	620.78	103.26	517.52
	Dec-2023	620.78	104.71	516.07
	Jan-2024	620.78	104.38	516.40
	Feb-2024	620.78	102.75	518.03
	Mar-2024	620.78	103.99	516.79
	Apr-2024	620.78	102.04	518.74
	May-2024	620.78	99.81	520.97
	Jun-2024	620.78	100.03	520.75
	Jul-2024	620.78	100.05	520.73
	Aug-2024	620.78	101.24	519.54
	Sep-2024	620.78	101.72	519.06
	Oct-2024	620.73	102.90	517.83
	Nov-2024	620.73	105.00	515.73
	Dec-2024	620.73	104.79	515.94

MSL - Mean Sea Level

TOC - Top of Casing

¹ - Date of water levels collected at beginning of quarter, actual sample date may vary.

NM - Not Measured

Table 1. Groundwater Elevations, Midwest Generation, LLC, Joliet Station #9.

Well ID	Date ¹	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
T03S	Nov-2015	629.65	136.30	493.35
	May-2016	629.65	135.24	494.41
	Jun-2016	629.65	134.26	495.39
	Aug-2016	629.65	134.13	495.52
	Nov-2016	629.65	135.03	494.62
	Feb-2017	629.65	134.92	494.73
	May-2017	629.65	131.87	497.78
	Jul-2017	629.65	135.99	493.66
	Sep-2017	629.65	136.40	493.25
	Nov-2017	629.65	133.61	496.04
	Mar-2018	629.65	131.05	498.60
	May-2018	629.65	134.42	495.23
	Oct-2018	629.89	140.03	489.86
	May-2019	629.89	125.79	504.10
	Oct-2019	629.89	132.92	496.97
	Apr-2020	629.89	133.84	496.05
	Oct-2020	629.89	135.88	494.01
	Apr-2021	629.89	138.78	491.11
	May-2021	629.89	NM	NM
	Jun-2021	629.89	138.84	491.05
	Jul-2021	629.89	134.89	495.00
	Aug-2021	629.89	NM	NM
	Sep-2021	629.89	139.69	490.20
	Oct-2021	629.89	141.48	488.41
	Nov-2021	629.89	138.02	491.87
	Dec-2021	629.89	139.40	490.49
	Jan-2022	629.89	139.64	490.25
	Feb-2022	629.89	140.43	489.46
	Mar-2022	629.89	138.79	491.10
	Apr-2022	629.89	133.53	496.36
	May-2022	629.89	134.64	495.25
	Jun-2022	629.89	134.89	495.00
	Jul-2022	629.89	135.18	494.71
	Aug-2022	629.89	134.83	495.06
	Sep-2022	629.89	140.62	489.27
	Oct-2022	629.89	140.18	489.71
	Nov-2022	629.89	140.29	489.60
	Dec-2022	629.89	140.69	489.20
	Jan-2023	629.89	140.43	489.46
	Feb-2023	629.89	141.27	488.62
	Mar-2023	629.89	140.25	489.64
	Apr-2023	629.89	139.07	490.82
	May-2023	629.89	138.25	491.64
	Jun-2023	629.89	140.27	489.62
	Jul-2023	629.89	139.44	490.45
	Aug-2023	629.89	140.48	489.41
	Sep-2023	629.89	138.60	491.29
	Oct-2023	629.89	141.45	488.44
	Nov-2023	629.89	141.38	488.51
	Dec-2023	629.89	142.03	487.86
	Jan-2024	629.89	141.48	488.41
	Feb-2024	629.89	138.38	491.51
	Mar-2024	629.89	140.69	489.20
	Apr-2024	629.89	136.60	493.29
	May-2024	629.89	134.00	495.89
	Jun-2024	629.89	134.94	494.95
	Jul-2024	629.89	134.89	495.00
	Aug-2024	629.89	135.86	494.03
	Sep-2024	629.89	137.44	492.45
	Oct-2024	629.73	139.68	490.05
	Nov-2024	629.73	141.63	488.10
	Dec-2024	629.73	141.46	488.27

MSL - Mean Sea Level

TOC - Top of Casing

¹ - Date of water levels collected at beginning of quarter, actual sample date may vary.

NM - Not Measured

Table 2. Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate - Joliet #9 Generation Station (Lincoln Stone Quarry).

DATE	Natural Groundwater Flow Direction	Kavg (ft/sec)*	Average Hydraulic Gradient (ft/ft)	Porosity (unitless)**	Estimated Seepage Velocity (ft/day)
September-23	Northerly and Westerly	1.38E-05	0.0645	0.05	1.54
December-23	Northerly and Westerly	1.38E-05	0.0465	0.05	1.11
March-24	Northerly and Westerly	1.38E-05	0.0544	0.05	1.30
June-24	Northerly and Westerly	1.38E-05	0.0544	0.05	1.30
August-24	Northerly and Westerly	1.38E-05	0.0541	0.05	1.29
November-24	Northerly and Westerly	1.38E-05	0.0602	0.05	1.44

* Kavg - Average hydraulic conductivity (feet/second) from Revised Groundwater Impacts assessment Lincoln Stone Quarry, 3/13/2013.

** - Porosity estimate from Revised Groundwater Impacts assessment Lincoln Stone Quarry, 3/13/2013.

Table 3. CCR Groundwater Sample Collection Summary for 2024 - Joliet #9 Lincoln Stone Quarry

Well ID	Number of Groundwater Sampling Events	Dates of Groundwater Sampling Events	Detection Monitoring (D), Assessment Monitoring (A), Nature and Extent (N&E)
G45S (Upgradient)	4	3/12/2024	A
		6/21/2024	A
		8/29/2024	A
		11/26/2024	A
T03S (Upgradient)	4	3/12/2024	A
		6/21/2024	A
		9/4/2024	A
		11/27/2024	A
R08S (Downgradient)	4	2/29/2024	A
		6/19/2024	A
		8/27/2024	A
		11/20/2024	A
G20S (Downgradient)	4	2/29/2024	A
		6/18/2024	A
		8/23/2024	A
		11/20/2024	A
G30S (Downgradient)	4	3/7/2024	A
		6/19/2024	A
		8/26/2024	A
		11/25/2024	A
R32S (Downgradient)	4	3/7/2024	A
		6/21/2024	A
		8/29/2024	A
		11/26/2024	A
G44S (Downgradient)	4	3/6/2024	A
		6/21/2024	A
		8/29/2024	A
		11/26/2024	A
G46S (Downgradient)	4	3/7/2024	A
		6/20/2024	A
		8/27/2024	A
		11/25/2024	A
G47S (Downgradient)	4	3/4/2024	A
		6/20/2024	A
		8/28/2024	A
		11/22/2024	A
G48S (Downgradient)	4	3/6/2024	A
		6/20/2024	A
		8/28/2024	A
		11/22/2024	A
G31S (Downgradient)	4	3/4/2024	N&E
		6/21/2024	N&E
		8/26/2024	N&E
		11/21/2024	N&E
G33S (Downgradient)	4	3/4/2024	N&E
		6/19/2024	N&E
		8/26/2024	N&E
		11/21/2024	N&E
G39S (Downgradient)	4	3/6/2024	N&E
		6/21/2024	N&E
		8/27/2024	N&E
		11/26/2024	N&E
T01S (Downgradient)	4	3/13/2024	N&E
		6/28/2024	N&E
		9/5/2024	N&E
		12/4/2024	N&E
T02S (Downgradient)	4	3/12/2024	N&E
		6/24/2024	N&E
		9/4/2024	N&E
		11/27/2024	N&E
T05S (Downgradient)	4	3/11/2024	N&E
		6/25/2024	N&E
		9/3/2024	N&E
		12/4/2024	N&E
T06S (Downgradient)	4	3/11/2024	N&E
		6/25/2024	N&E
		9/3/2024	N&E
		12/3/2024	N&E
T08S (Downgradient)	4	3/13/2024	N&E
		6/24/2024	N&E
		9/4/2024	N&E
		11/27/2024	N&E
T09S (Downgradient)	4	3/11/2024	N&E
		6/28/2024	N&E
		9/3/2024	N&E
		12/3/2024	N&E
T12S (Downgradient)	3	3/6/2024	N&E
		6/20/2024	N&E
		8/28/2024	N&E
		11/25/2024	N&E
T13S (Downgradient)	3	3/6/2024	N&E
		6/20/2024	N&E
		8/28/2024	N&E
		11/22/2024	N&E

Table 4. Initial Monitoring Well Network Appendix III Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
G45S up-gradient	11/20/2015	0.81	120	180	0.35	7.20	360	810
	5/12/2016	0.68	110	140	0.34	7.37	230	860
	6/30/2016	0.48	87	110	0.34	7.50	170	670
	8/25/2016	0.47	94	100	0.35	7.28	170	790
	11/16/2016	0.41	91	90	0.33	7.34	170	620
	2/14/2017	0.43	97	97	0.32	7.36	160	620
	5/23/2017	0.36	85	110	0.35	7.30	150	660
	7/7/2017	0.42	94	120	< 0.1	7.21	150	600
	Pred. Limit*	1.031	133.2	206.7	0.35	7.61-7.03	360	1,007
	9/26/2017	0.43	110	130	0.3	7.21	160	790
	11/21/2017	0.34	96	130	0.33	7.29	180	700
	3/9/2018	0.38	97	110	0.32	7.18	180	710
	5/21/2018	0.76	110	150	0.33	7.00	230	970
	12/7/2018	0.46	91	120	0.33	7.02	100	740
	6/28/2019	0.39	96	130	0.33	7.51	120	720
	11/14/2019	0.48	110	170	0.33	7.33	170	830
	6/26/2020	0.62	130	220	0.33	7.21	240	970
	12/11/2020	0.70	120	180	0.38	7.16	220	760
	6/28/2021	0.44	91	110	0.35	7.20	150	680
	12/16/2021	0.34	84	87	0.36	7.35	130	510
	3/16/2022	< 0.5	130	86	0.36	7.35	130	700
	6/10/2022	0.34	84	110	0.35	7.28	130	630
	9/26/2022	0.48	97	150	0.35	7.14	180	830
	12/21/2022	0.39	110	190	0.72	7.06	190	920
	3/23/2023	0.44	91	130	0.35	7.30	160	740
	6/30/2023	0.44	89	120	0.36	7.23	150	610
	9/14/2023	0.46	67	120	0.36	7.35	F1 150	600
	12/20/2023	0.50	81	130	0.35	7.48	160	680
	3/12/2024	0.39	84	110	0.36	7.49	150	640
	6/21/2024	0.29	84	100	0.38	7.35	150	660
	8/29/2024	0.45	96	120	0.31	7.30	150	700
	11/26/2024	0.52	110	130	0.36	7.31	160	850
T03S up-gradient	11/19/2015	0.5	110	75	0.22	7.07	250	710
	5/5/2016	0.84	100	100	0.21	7.16	190	820
	6/28/2016	0.98	100	94	0.19	7.30	180	910
	8/25/2016	1.1	110	99	0.20	7.32	180	880
	11/17/2016	1.3	120	100	0.19	7.14	150	860
	2/15/2017	1.0	98	110	0.19	7.36	230	810
	5/22/2017	1.4	110	78	0.23	7.25	160	740
	7/7/2017	1.1	100	F1 71	< 0.1	7.32	180	710
	Pred. Limit*	1.85	129	134	0.26	7.55-6.93	292	1,030
	9/26/2017	1.3	110	80	0.21	7.19	240	790
	11/20/2017	1.7	98	90	0.24	7.13	230	770
	3/7/2018	1.5	110	110	0.23	7.34	250	900
	5/17/2018	1.8	100	82	0.24	7.07	210	890
	12/11/2018	1.8	100	140	0.23	6.96	160	890
	6/24/2019	2.7	100	89	0.27	7.17	260	830
	10/28/2019	1.5	100	73	0.25	7.19	< 500	780
	6/23/2020	2.3	97	74	0.33	7.29	240	770
	12/15/2020	1.4	140	F1 170	0.27	7.01	280	960
	6/22/2021	0.92	120	130	0.23	6.94	220	980
	12/9/2021	2.4	130	110	0.23	7.48	F1 280	870
	3/14/2022	3.6	31	110	0.22	7.37	280	1000
	6/13/2022	1.7	130	160	0.21	7.44	260	980
	9/26/2022	2.2	110	110	0.21	7.00	260	810
	12/21/2022	2.9	110	91	0.52	7.44	300	960
	3/20/2023	3	110	100	0.21	7.22	320	890
	6/30/2023	2.1	120	120	0.20	7.4	230	850
	9/13/2023	1.7	130	130	0.20	7.56	220	910
	12/12/2023	1.7	120	120	0.18	7.42	220	940
	3/12/2024	B 1.8	120	120	0.21	7.50	230	890
	6/21/2024	1.3	100	120	0.21	7.23	190	970
	9/4/2024	1.3	130	120	0.17	7.58	190	850
	11/27/2024	0.47	120	110	0.18	7.52	140	840
R08S down-gradient	11/23/2015	6.9	130	77	0.19	7.80	520	740
	5/6/2016	6.1	120	80	0.19	7.70	380	820
	6/28/2016	6.8	130	89	0.18	7.49	320	960
	8/25/2016	6.3	120	84	0.19	7.54	350	890
	11/21/2016	6.4	120	86	0.17	7.53	280	790
	2/14/2017	5.4	150	220	0.17	7.60	280	1,000
	5/25/2017	12	250	90	0.17	7.56	340	830
	7/6/2017	6.3	140	87	0.17	7.62	350	830
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/25/2017	7.3	140	81	0.15	7.57	390	840
	11/21/2017	7.3	130	89	0.15	8.05	380	800
	3/8/2018	7.4	150	83	0.14	8.62	420	850
	5/18/2018	7.7	140	82	0.14	8.25	320	920
	12/13/2018	7.7	140	79	0.15	8.11	240	800
	6/19/2019	8.5	140	83	0.14	8.10	360	820
	11/11/2019	6.4	140	84	0.15	7.91	360	730
	6/26/2020	7.9	140	83	0.15	8.32	370	750
	12/14/2020	8.0	130	88	0.18	8.15	400	700
	6/23/2021	7.6	140	79	0.16	8.07	430	810
	12/14/2021	7.8	150	77	0.15	8.37	410	830
	3/11/2022	7.7	130	75	0.16	8.21	420	840
	6/7/2022	8.7	150	72	0.14	7.94	420	800
	9/19/2022	8.4	140	79	0.14	8.47	430	780
	12/19/2022	8.2	140	81	0.35	8.91	370	750
	3/22/2023	7.6	150	77	0.15	8.39	450	880
	6/28/2023	8.9	150	77	0.13	7.87	400	750
	9/7/2023	7.0	130	81	0.13	8.05	410	760
	12/20/2023	8.5	130	75	0.11	7.79	390	800
	2/29/2024	8.2	140	71	0.13	7.96	400	770
	6/19/2024	8.1	140	71	0.12	7.87	400	800
	8/27/2024	8.9	140	69	0.11	7.98	410	770
	11/20/2024	8.0	140	67	0.11	7.86	380	800

Notes: All units are in mg/l except pH is in standard units.

Pred. Limit - Prediction Limit

Italics Date - Detection Monitoring and resample after statistical background establishment.

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

**- Based on pooled background from G45S/T03S, all others based on G45S as background.

B - Compound was found in the blank and sample.

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

Bold: Potential statistically significant increase.

Table 4. Initial Monitoring Well Network Appendix III Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
G20S down-gradient	11/19/2015	1.2	59	12	0.82	7.73	110	410
	5/11/2016	1.2	53	12	0.81	7.52	77	410
	6/29/2016	1.2	54	12	0.82	7.38	69	460
	8/23/2016	1.3	56	13	0.81	7.41	67	420
	11/17/2016	1.3	59	11	0.74	7.44	55	420
	2/13/2017	1.2	54	13	0.69	7.30	93	400
	5/24/2017	1.3	55	12	0.81	7.45	66	430
	7/5/2017	1.3	61	12	0.76	7.37	70	400
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/25/2017	1.3	60	12	0.78	7.30	76	440
	11/20/2017	1.3	59	13	0.78	7.06	85	390
	3/6/2018	1.4	63	12	0.76	7.32	88	460
	5/16/2018	1.2	61	12	0.75	7.06	87	410
	12/7/2018	1.2	58	12	0.76	7.41	65	480
	6/18/2019	1.3	62	13	0.75	7.18	65	440
	11/5/2019	1.2	58	13	0.74	7.88	71	410
	6/24/2020	1.3	58	13	0.79	7.81	63	360
	12/11/2020	1.4	61	14	0.89	7.41	69	390
	6/23/2021	1.3	60	14	0.77	7.46	70	390
	12/10/2021	1.4	60	14	0.77	8.33	69	360
	3/15/2022	1.4	110	15	0.75	7.49	74	500
	6/7/2022	1.3	60	15	0.76	7.07	71	400
	9/19/2022	1.4	58	17	0.78	7.58	F1 55	410
	12/19/2022	1.3	59	15	0.95	7.06	57	410
	3/14/2023	1.3	62	16	0.75	7.53	64	410
	6/28/2023	1.4	65	16	0.78	7.20	57	380
	9/6/2023	1.2	57	18	0.77	7.47	62	400
	12/11/2023	1.3	54	16	0.72	7.36	67	420
	2/29/2024	1.3	63	17	0.79	7.61	65	370
	6/18/2024	1.2	56	17	0.79	7.62	63	410
	8/23/2024	1.3	62	16	0.73	7.18	64	400
	11/20/2024	1.1	58	14	0.77	7.51	59	430
G30S down-gradient	11/20/2015	5.80	63	190	1.3	7.46	580	1,000
	5/10/2016	5.4	53	190	1.30	7.68	390	1,100
	6/30/2016	5.2	60	F1 180	1.30	7.73	410	990
	8/25/2016	5.7	59	F1 180	1.30	7.70	390	1,100
	11/18/2016	6.4	57	170	1.2	8.04	320	1,100
	2/14/2017	5.4	62	190	1.2	7.70	450	1,000
	5/25/2017	11	110	180	1.4	7.67	430	1,100
	7/7/2017	6.6	54	190	1.3	7.48	410	1,100
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/26/2017	6.7	62	190	1.3	8.07	460	1,100
	11/20/2017	6.1	52	210	1.3	7.77	440	1,100
	3/7/2018	5.1	56	200	1.3	7.97	470	1,100
	5/17/2018	5.2	55	210	1.2	7.77	540	1,100
	12/15/2018	5.8	57	200	1.2	7.99	200	1,100
	6/26/2019	5.4	57	220	1.1	7.98	350	1,100
	11/6/2019	4.5	58	210	1.1	7.99	350	1,100
	6/25/2020	4.9	57	220	1.1	8.33	410	1,100
	12/7/2020	5.3	57	220	1.2	7.83	450	1,100
	6/30/2021	5.9 B	61	200	1.1	7.88	470	1,100
	12/15/2021	5.1	63	200	1.0	7.95	450	1,200
	3/15/2022	4.9	57	200	1.0	7.91	480	1,300
	6/10/2022	5.1	60	200	0.99	7.29	450	1,200
	9/28/2022	4.9	60	200	0.98	7.72	470	1,100
	12/19/2022	5.1	61	210	1.2	7.8	440	1,200
	3/17/2023	5.2	63	200	0.93	7.82	470	1,200
	6/29/2023	5.4	65	200	0.95	7.55	480	1,200
	9/12/2023	4.5	48	220	0.93	7.67	480	1,300
	12/19/2023	5.1	64	210	0.88	7.88	480	1,200
	3/7/2024	4.9	63	190	0.93	7.78	470	1,300
	6/19/2024	5.1	62	190	0.94	7.82	470	1,300
	8/26/2024	5.1	70	200	0.76	7.59	490	1,300
	11/25/2024	4.6	69	180	0.86	7.75	500	1,300
R32S down-gradient	11/19/2015	1.3	99	88	0.28	7.32	210	640
	5/5/2016	1.9	100	140	0.32	7.38	210	810
	6/29/2016	2.5	110	110	0.35	7.53	280	860
	8/26/2016	3.0	120	100	0.4	7.30	330	850
	11/18/2016	3.3	120	99	0.34	7.38	270	830
	2/16/2017	F1 4.0	120	99	0.34	7.39	340	830
	5/25/2017	8.3	240	88	0.42	7.54	320	850
	7/7/2017	6.2	120	96	0.42	7.61	360	830
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/28/2017	4.8	140	78	0.36	7.29	290	870
	11/21/2017	5.2	120	97	0.38	7.50	390	900
	3/7/2018	5.8	130	86	0.32	7.57	350	880
	5/21/2018	4.4	120	77	0.29	7.13	310	1,000
	12/13/2018	3.5	120	F1 72	0.26	7.43	280	880
	6/27/2019	6.3	140	74	0.27	7.33	380	880
	11/6/2019	4.8	150	69	0.27	7.45	360	820
	6/29/2020	6.0	130	71	0.28	7.47	400	790
	12/16/2020	6.1	150	F1 66	0.34	7.43	430	840
	6/28/2021	4.0 B	130	56	0.3	7.16	430	790
	12/15/2021	4.9	150	59	0.32	7.42	490	930
	3/16/2022	4	9.6	50	0.31	7.56	430	1,100
	6/10/2022	5.5	120	54	0.31	7.23	460	880
	9/26/2022	5.1	130	57	0.3	7.23	450	870
	12/16/2022	4.7	130	61	0.51	7.41	400	860
	3/23/2023	4.6	130	56	0.29	7.57	390	940
	6/29/2023	1.4	100	47	0.29	7.07	815	770
	9/12/2023	2.8	88	50	0.29	7.60	380	790
	12/19/2023	0.48	88	43	0.28	7.43	350	780
	3/7/2024	2.4	110	43	0.30	7.41	370	920
	6/21/2024	0.36	94	37	0.30	7.52	290	730
	8/29/2024	3.0	120	47	0.24	7.67	410	840
	11/26/2024	4.1	130	39	0.25	7.57	390	880

Notes: All units are in mg/l except pH is in standard units.

Pred. Limit - Prediction Limit.

Italics Date - Detection Monitoring and resample after statistical background establishment.

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

** - Based on pooled background from G45S/T03S, all others based on G45S as background.

B - Compound was found in the blank and sample.

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

Bold - Potential statistically significant increase.

Table 4. Initial Monitoring Well Network Appendix III Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
G44S down-gradient	11/20/2015	1.0	120	43	0.21	7.11	220	640
	5/9/2016	0.91	110	37	0.18	7.39	120	690
	6/30/2016	0.69	100	32	0.18	7.59	99	620
	8/26/2016	0.9	120	36	0.19	7.12	110	710
	11/16/2016	0.82	120	26	0.17	7.15	88	530
	2/16/2017	0.86	120	30	0.15	7.38	120	620
	5/24/2017	0.83	120	31	0.19	7.08	95	600
	7/10/2017	0.83	110	30	< 0.1	7.00	110	700
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/28/2017	0.99	130	30	0.19	7.13	100	730
	11/21/2017	0.79	110	35	0.18	7.06	120	640
	3/7/2018	0.91	120	36	0.18	7.19	110	670
	5/17/2018	0.98	120	35	0.18	7.02	96	780
	12/10/2018	1.1	120	43	0.19	7.41	78	630
	6/19/2019	1.3	130	59	0.19	7.02	140	720
	11/12/2019	1.3	140	53	0.21	7.22	160	670
	6/29/2020	1.4	130	52	0.21	7.30	160	670
	12/15/2020	1.7	140	52	0.25	7.17	180	650
	6/30/2021	1.9 B	120	65	0.21	7.00	170	730
	12/16/2021	1.9	140	62	0.2	7.21	170	690
	3/15/2022	2.1	58	63	0.21	7.24	180	860
	6/9/2022	1.6	130	75	0.2	7.02	160	730
	9/26/2022	1.8	130	69	0.21	7.01	180	810
	12/21/2022	1.9	130	67	0.49	7.07	180	870
	3/15/2023	1.9	130	66	0.20	7.10	190	720
	6/29/2023	1.8	140	64	0.21	7.00	160	680
	9/13/2023	1.7	100	68	0.21	7.01	160	720
	12/19/2023	1.6	130	63	0.20	7.24	170	750
	3/6/2024	1.4	130	66	0.21	7.29	150	710
	6/21/2024	1.2	130	64	0.22	7.24	150	850
	8/29/2024	1.4	140	60	0.18	7.34	160	760
	11/26/2024	1.6	130	50	0.21	7.14	150	800
G46S down-gradient	11/23/2015	6.0	110	80	0.27	7.32	430	780
	5/9/2016	7.7	100	100	0.28	7.77	360	940
	6/30/2016	7.9	100	99	0.29	8.26	290	880
	8/26/2016	7.2	100	120	0.35	7.48	350	1,000
	11/18/2016	6.5	110	120	0.39	7.56	330	1,000
	2/16/2017	6.1	100	150	0.41	7.94	410	1,000
	5/22/2017	6.8	100	130	0.44	7.37	350	970
	7/6/2017	4.9	100	150	0.41	7.33	290	880
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/27/2017	4.0	88	160	0.4	7.28	270	890
	11/21/2017	5.3	78	170	0.43	7.73	270	800
	3/8/2018	5.9	110	140	0.41	7.75	350	940
	5/18/2018	5.9	110	120	0.4	7.66	260	1,100
	12/11/2018	7.60	120	110	0.38	7.66	270	1,100
	6/19/2019	13	89	69	0.33	7.64	440	1,000
	11/13/2019	10	120	68	0.37	7.68	470	1,000
	6/29/2020	13	96	74	0.34	8.06	510	980
	12/15/2020	10	120	73	0.35	7.74	540	1,000
	6/30/2021	15 B	120	67	0.3	7.40	590	1,000
	12/15/2021	11	140	66	0.27	7.53	500	990
	3/11/2022	12	130	54	0.34	7.38	600	1,200
	6/9/2022	11	110	68	0.26	7.36	460	930
	9/26/2022	11	120	63	0.31	7.31	580	1,000
	12/20/2022	13	140	51	F1 0.58	7.68	670	1,200
	3/22/2023	10	130	72	0.31	7.70	500	1,100
	6/29/2023	8.6	140	69	0.23	7.50	440	890
	9/13/2023	7.5	100	72	0.24	7.48	460	920
	12/20/2023	10	120	69	0.23	7.48	490	980
	3/7/2024	9.6	120	63	0.24	7.36	520	1,100
	6/20/2024	11	130	54	0.34	7.29	580	1,100
	8/27/2024	10	130	55	0.23	7.55	500	1,000
	11/25/2024	9.3	120	62	0.22	7.53	500	1,000
G47S down-gradient	11/23/2015	4.6	11	160	0.45	9.22	480	700
	5/6/2016	5.0	7.8	140	0.72	9.86	410	910
	7/1/2016	6.4	8.4	150	0.68	9.32	340	860
	8/24/2016	9.3	9.2	140	0.67	9.19	300	830
	11/16/2016	15	1.3	F1 150	1.8	10.08	620	1,700
	2/15/2017	7.6	4.4	160	1.1	9.26	540	1,200
	5/23/2017	18	0.93	160	2.2	10.03	720	1,800
	7/10/2017	18	1.2	150	2.1	10.06	780	1,800
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/27/2017	18	1.1	150	2.0	10.15	750	1,900
	11/22/2017	21	1.1	150	2.1	10.56	710	1,800
	3/8/2018	18	1.1	170	2.1	10.67	780	1,900
	5/18/2018	3.7	1.1	160	1.7	7.79	570	1,800
	12/11/2018	13	2.8	140	1.1	10.14	440	1,300
	6/28/2019	13	2.9	130	1.3	9.95	450	1,400
	11/7/2019	4.3	15	140	0.55	8.39	410	1,100
	6/30/2020	5.2	16	120	0.59	9.04	F1 440	1,000
	12/7/2020	7.6	11	120	1.1	9.13	500	1,100
	6/24/2021	6.1 B	12	110	0.66	8.68	470	1,000
	12/16/2021	6.7	11	98	0.65	8.63	440	900
	3/16/2022	6.9	40	96	0.66	8.94	450	1,200
	6/9/2022	7.3	9.2	96	0.63	8.39	460	1,000
	9/22/2022	10	5.8	100	0.9	9.85	510	1,100
	12/21/2022	7	7.9	100	F1 1.1	9.5	450	1,100
	3/23/2023	6.7	11	100	0.65	9.22	440	1,100
	6/30/2023	7.7	12	96	0.64	8.30	470	970
	9/7/2023	6.1	9.4	F1 100	0.64	7.77	450	1,000
	12/18/2023	7.1	11	110	0.59	8.52	470	980
	3/4/2024	5.9	16	100	0.57	8.49	470	1,100
	6/20/2024	4.7	14	96	0.55	9.34	440	1,100
	8/28/2024	6.0	14	84	0.46	7.81	450	1,100
	11/22/2024	5.6	12	83	0.54	8.44	430	1,100

Notes: All units are in mg/l except pH is in standard units.

Pred. Limit - Prediction Limit

Italics Date - Detection Monitoring and resample after statistical background establishment.

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

**, Based on pooled background from G45S/T03S, all others based on G45S as background.

B - Compound was found in the blank and sample.

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

Bold - Potential statistically significant increase.

Table 4. Initial Monitoring Well Network Appendix III Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
G48S down-gradient	11/20/2015	11.00	6.9	120	1.5	9.08	760	1,100
	5/5/2016	9.30	5.9	120	1.5	9.53	560	1,200
	7/1/2016	9.50	4.2	120	1.4	9.60	480	1,100
	8/24/2016	10.00	5.5	120	1.4	9.31	420	1,100
	11/16/2016	9.80	10	110	1.4	9.61	340	1,100
	2/15/2017	8.40	8.3	120	1.2	9.63	490	1,100
	5/23/2017	9.20	8.1	120	1.3	9.49	470	1,100
	7/10/2017	7.80	11	110	1.2	8.77	460	1,000
	Pred. Limit	1.01	126**	203	0.35	7.52-7.04**	360**	955
	9/27/2017	7.60	18	100	1.1	8.94	480	1,100
	11/22/2017	8.60	12	120	1.2	9.42	450	1,000
	3/8/2018	5.30	62	100	0.85	8.13	450	1,000
	5/18/2018	5.90	53	100	0.92	7.79	370	1,100
	12/11/2018	7.30	23	110	1.1	8.42	310	1,000
	6/25/2019	7.10	28	110	1.0	8.07	390	1,000
	11/7/2019	5.80	18	100	0.89	7.83	380	1,000
	6/26/2020	7.10	16	110	1.0	9.20	400	940
	12/7/2020	6.0	29	110	1.1	8.4	410	890
	6/24/2021	4.3 B	96	96	0.71	7.27	480	1,100
	12/16/2021	6.0	46	99	0.91	7.02	430	880
	3/16/2022	5.0	130	99	0.96	7.07	430	1,100
	6/9/2022	5.6	58	98	0.87	7.47	440	1,000
	9/22/2022	6.8	34	98	0.97	8.14	430	950
	12/21/2022	6.4	28	100	1.3	8.66	410	1,100
	3/23/2023	6.0	24	100	0.96	8.68	370	1,000
	6/30/2023	6.4	39	91	0.89	8.03	380	850
	9/7/2023	5.1	25	100	0.93	7.75	390	940
	12/18/2023	5.8	27	110	0.88	8.11	390	910
	3/6/2024	5.5	38	97	0.82	8.06	420	910
	6/20/2024	4.6	46	81	0.90	8.26	390	1,000
	8/28/2024	5.6	43	81	0.77	7.77	410	970
	11/22/2024	5.1	37	86	0.93	7.74	390	980

Notes: All units are in mg/l except pH is in standard units.

Pred. Limit - Prediction Limit

Italics Date - Detection Monitoring and resample after statistical background establishment.

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

** - Based on pooled background from G45S/T03S, all others based on G45S as background.

B - Compound was found in the blank and sample.

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

Bold - Potential statistically significant increase.

Table 5. Appendix IV Initial Monitoring Well Network Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
G45S regulation	11/20/2015	< 0.003	0.0081	0.044	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.036	< 0.0002	0.0120	1.76	< 0.0025	< 0.002	
	5/12/2016	< 0.003	0.0076	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	0.34	< 0.0005	0.036	< 0.0002	0.0100	3.01	< 0.0025	< 0.002	
	6/30/2016	< 0.003	0.0075	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	0.34	< 0.0005	0.034	< 0.0002	0.008	2.05	< 0.0025	< 0.002	
	8/25/2016	< 0.003	0.0076	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.031	< 0.0002	0.0086	1.91	< 0.0025	< 0.002	
	11/16/2016	< 0.003	0.0079	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	0.33	< 0.0005	0.028	< 0.0002	0.0084	2.04	< 0.0025	< 0.002	
	2/14/2017	< 0.003	0.0093	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	0.32	< 0.0005	0.029	< 0.0002	0.0083	1.85	< 0.0025	< 0.002	
	5/23/2017	< 0.003	0.0082	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.027	< 0.0002	0.0093	1.40	< 0.0025	< 0.002	
	7/7/2017	< 0.003	0.0086	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	0.030	< 0.0002	0.007	2.14	< 0.0025	< 0.002	
	9/26/2017	< 0.003	0.008	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	0.33	< 0.0005	0.029	< 0.0002	0.0079	2.14	< 0.0025	< 0.002	
	11/21/2017	< 0.003	0.0094	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	0.33	< 0.0005	0.028	< 0.0002	0.0072	8.45	< 0.0025	< 0.002	
	3/9/2018	< 0.003	0.0093	0.036	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.32	< 0.0005	0.028	^ < 0.0002	0.008	1.89	< 0.0025	< 0.002	
	GWPS	NC	0.01	2.8	NC	NC	NC	0.06	4.0	0.015	0.041	NC	0.10	5	0.05	NC	
	5/21/2018	NA	0.0072	0.047	NA	NA	NA	NA	< 0.001	0.33	< 0.0005	0.033	NA	0.013	2.17	< 0.0025	NA
	12/7/2018	NA	0.0090	0.034	NA	NA	NA	NA	< 0.001	0.330	< 0.0005	0.031	NA	0.0100	1.910	< 0.0025	NA
	6/29/2019	NA	0.0100	0.039	NA	NA	NA	NA	< 0.001	0.33	< 0.0005	0.032	NA	0.0087	1.99	< 0.0025	NA
	11/14/2019	NA	< 0.0100	0.042	NA	NA	NA	NA	< 0.001	0.33	< 0.0005	0.034	NA	0.0100	2.89	< 0.010	NA
	6/26/2020	NA	0.011	0.049	NA	NA	NA	NA	< 0.001	0.33	< 0.0005	0.039	NA	0.0088	2.1	< 0.0025	NA
	12/11/2020	NA	0.011	0.042	NA	NA	NA	NA	< 0.001	0.38	^ < 0.0005	0.038	NA	0.012	1.88	< 0.0025	NA
	6/28/2021	< 3	0.01	0.034	< 1.00	< 0.50	< 0.001	< 0.001	0.35	< 0.0005	0.031	< 0.0002	0.0083	1.74	< 0.0025	< 2.00	
	12/16/2021	< 0.003	0.0092	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	0.36	< 0.0005	0.028	< 0.0002	0.0073	2.14	< 0.0025	< 0.002	
	3/16/2022	< 0.003	0.0016	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.025	< 0.0002	0.0062	2.92	< 0.0025	< 0.002	
	6/10/2022	< 0.003	0.0082	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.028	< 0.0002	0.0072	2.17	< 0.0025	< 0.002	
	9/26/2022	< 0.003	0.0086	0.042	^1+ ^ < 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.029	< 0.0002	0.011	2.63	< 0.0025	< 0.002	
	12/21/2022	< 0.003	0.0095	0.05	< 0.001	< 0.0005	< 0.005	< 0.001	0.72	< 0.0005	0.029	< 0.0002	0.0089	2.91	< 0.0025	< 0.002	
	3/23/2023	< 0.0030	0.0096	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.35	< 0.00050	0.030	< 0.00020	0.011	2.28	< 0.0025	< 0.0020	
	6/30/2023	< 0.0030	0.009	0.038	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.36	< 0.00050	0.031	< 0.00020	0.012	1.88	< 0.0025	< 0.0020	
	9/14/2023	< 0.0020	0.0098	0.033	< 0.0010	< 0.00050	< 0.0050	< 0.00050	0.36	< 0.00050	0.026	< 0.00020	0.013	1.95	< 0.0050	< 0.0010	
	12/26/2023	^1+ < 0.0030	0.010	0.036	^+ < 0.0010	< 0.00050	< 0.0050	< 0.00050	0.35	< 0.00050	0.028	< 0.00020	0.012	2.16	< 0.0025	< 0.0020	
	3/12/2024	^1+ < 0.0030	0.0087	0.035	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.00050	0.36	< 0.00050	0.028	< 0.00020	0.013	2.46	< 0.0025	< 0.0020	
	6/21/2024	< 0.0030	0.0089	0.033	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.38	< 0.00050	0.026	< 0.00020	0.010	1.76	< 0.0025	< 0.0020	
	8/29/2024	< 0.0030	0.0080	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.31	< 0.00050	0.027	< 0.00020	0.0084	1.42	< 0.0025	< 0.0020	
	11/26/2024	< 0.0030	0.0084	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.36	< 0.00050	0.027	< 0.00020	0.011	2.30	< 0.0025	< 0.0020	
	T03S regulation	11/19/2015	< 0.003	0.0019	0.063	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	0.019	< 0.0002	0.0260	1.101	< 0.0025	< 0.002
5/5/2016		< 0.003	0.0013	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.018	< 0.0002	0.03	1.43	< 0.0025	< 0.002	
6/28/2016		< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	0.017	< 0.0002	0.037	1.18	< 0.0025	< 0.002	
9/25/2016		< 0.003	0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	0.016	< 0.0002	0.043	1.54	< 0.0025	< 0.002	
11/17/2016		< 0.003	0.0012	0.096	< 0.001	< 0.0005	< 0.005	< 0.0012	0.19	< 0.0005	0.022	< 0.0002	0.14	1.61	< 0.0025	< 0.002	
2/15/2017		< 0.003	0.0011	0.086	< 0.001	< 0.0005	< 0.005	< 0.0013	0.19	< 0.0005	< 0.05	< 0.0002	0.12	0.938	< 0.0025	< 0.002	
5/22/2017		< 0.003	0.0017	0.088	^ < 0.001	< 0.0005	< 0.005	< 0.0015	0.23	< 0.00023	0.019	< 0.0002	0.13	1.21	< 0.0025	< 0.002	
7/7/2017		< 0.003	0.0078	< 0.001	< 0.0005	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	0.019	< 0.0002	0.099	1.11	< 0.0025	< 0.002	
9/26/2017		< 0.003	0.0011	0.088	< 0.001	< 0.0005	< 0.005	< 0.0013	0.21	< 0.0005	0.018	< 0.0002	0.14	1.31	< 0.0025	< 0.002	
11/20/2017		< 0.003	0.0014	0.087	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	0.02	< 0.0002	0.2	1.59	< 0.0025	< 0.002	
3/7/2018		< 0.003	0.0023	0.093	< 0.001	< 0.0005	< 0.005	< 0.0013	0.23	< 0.0005	0.022	< 0.0002	0.26	3.0	< 0.0025	< 0.002	
GWPS		NC	0.01	2.8	NC	NC	NC	0.06	4.0	0.015	0.041	NC	0.10	5	0.05	NC	
5/17/2018		NA	0.001	0.087	NA	NA	NA	NA	0.013	0.24	< 0.0005	0.021	NA	0.240	1.25	< 0.0025	NA
12/11/2018		NA	0.0014	0.095	NA	NA	NA	NA	0.012	0.230	< 0.0005	0.021	NA	0.270	1.31	< 0.0025	NA
6/24/2019		NA	0.0020	0.090	NA	NA	NA	NA	0.010	0.270	< 0.0005	0.027	NA	0.310	1.33	< 0.0025	NA
10/28/2019		NA	< 0.0100	0.088	NA	NA	NA	NA	0.011	0.25	< 0.0050	0.026	NA	0.318	< 0.0100	NA	
6/23/2020		NA	0.0024	0.093	NA	NA	NA	< 0.001	0.33	< 0.0005	0.025	NA	0.23	1.65	< 0.0025	NA	
12/15/2020		NA	0.0013	0.11	NA	NA	NA	NA	0.015	0.27	< 0.0005	0.021	NA	0.14	1.74	< 0.0025	NA
6/22/2021		< 0.003	0.0016	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	0.23	< 0.0005	0.029	H < 0.0002	0.071	1.34	< 0.0025	< 0.002	
1/28/2021		< 0.003	0.0011	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	0.23	< 0.0005	0.026	< 0.0002	0.072	1.44	< 0.0025	< 0.002	
3/14/2022		< 0.003	0.0041	< 0.001	< 0.0005	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	0.023	< 0.0002	0.09	1.44	< 0.0025	< 0.002	
6/13/2022		< 0.003	0.0015	0.11	< 0.001	< 0.0005	< 0.005	< 0.0014	0.21	< 0.0005	0.025	< 0.0002	0.17	1.46	< 0.0025	< 0.002	
9/29/2022		< 0.003	0.0014	0.084	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.023	< 0.0002	0.22	2.12	< 0.0025	< 0.002	
12/21/2022		< 0.003	0.0011	0.081	< 0.001	< 0.0005	< 0.005	< 0.0012	0.52	< 0.0005	0.028	< 0.0002	0.24	1.16	< 0.0025	< 0.002	
3/20/2023		< 0.0030	0.0011	0.079	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.21	< 0.00050	0.033	< 0.00020	0.32	1.06	< 0.0025	< 0.0020	
6/30/2023		< 0.0030	0.002	0.077	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.22	< 0.00050	0.031	< 0.00020	0.16	2.17	< 0.0025	< 0.0020	
9/13/2023		< 0.0020	< 0.0020	0.080	< 0.0010												

Table 5. Appendix IV Initial Monitoring Well Network Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
G205 <i>down gradient</i>	11/19/2015	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	0.82	< 0.0005	0.036	< 0.0002	0.0068	2.078	< 0.0025	< 0.002	
	5/11/2016	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	0.81	< 0.0005	0.037	< 0.0002	0.011	2.52	< 0.0025	< 0.002	
	6/29/2016	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0014	0.82	< 0.0005	0.04	< 0.0002	0.014	2.79	< 0.0025	< 0.002	
	8/23/2016	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	0.81	< 0.0005	0.039	< 0.0002	0.017	3.67	< 0.0025	< 0.002	
	11/17/2016	< 0.003	< 0.001	0.056	< 0.001	< 0.0005	< 0.005	0.0018	0.74	< 0.0005	0.042	< 0.0002	0.019	1.98	< 0.0025	< 0.002	
	2/13/2017	< 0.003	< 0.001	0.046	< 0.001	< 0.0005	< 0.005	< 0.0010	0.69	< 0.0005	0.04	< 0.0002	0.018	2.44	< 0.0025	< 0.002	
	5/24/2017	< 0.003	< 0.001	0.046	< 0.001	< 0.0005	< 0.005	< 0.0010	0.81	< 0.0005	0.038	< 0.0002	0.017	2.15	< 0.0025	< 0.002	
	7/5/2017	< 0.003	< 0.001	0.054	< 0.001	< 0.0005	< 0.005	0.0021	0.76	< 0.0005	0.04	< 0.0002	0.019	1.83	< 0.0025	< 0.002	
	9/25/2017	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0015	0.78	< 0.0005	0.038	< 0.0002	0.022	2.19	< 0.0025	< 0.002	
	11/20/2017	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	0.0022	0.78	< 0.0005	0.041	< 0.0002	0.021	2.50	< 0.0025	< 0.002	
	3/6/2018	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.0010	0.76	< 0.0005	0.042	< 0.0002	0.021	2.83	< 0.0025	< 0.002	
	GWPS	NC	0.01	2.8	NC	NC	NC	0.006	4.0	0.015	0.041	NC	0.10	5	0.05	NC	
	5/16/2018	NA	< 0.001	0.049	NA	NA	NA	0.0024	0.75	< 0.0005	0.04	NA	0.019	2.12	< 0.0025	NA	
	12/7/2018	NA	< 0.001	0.048	NA	NA	NA	0.0010	0.760	0.0048	0.042	NA	0.0230	2.26	< 0.0025	NA	
	6/18/2019	NA	< 0.001	0.051	NA	NA	NA	0.0018	0.750	< 0.0005	0.041	NA	0.017	2.11	< 0.0025	NA	
	11/5/2019	NA	< 0.010	0.050	NA	NA	NA	0.0023	0.740	< 0.0005	0.044	NA	0.021	1.74	< 0.0100	NA	
	6/24/2020	NA	< 0.010	0.045	NA	NA	NA	0.001	0.79	< 0.0005	0.038	NA	0.019	2.07	< 0.0025	NA	
	12/14/2020	NA	< 0.001	0.043	NA	NA	NA	< 0.001	0.89	NA < 0.0005	0.042	NA	0.022	2.160	< 0.0025	NA	
	6/23/2021	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	0.77	< 0.0005	0.047	H< 0.0002	0.022	2.06	< 0.0025	< 0.002	
	12/10/2021	< 0.003	< 0.001	0.019	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	0.77	< 0.0005	0.041	< 0.0002	0.025	2.26	< 0.0025	< 0.002
	3/15/2022	< 0.003	< 0.001	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	0.75	< 0.0005	0.025	< 0.0002	0.048	2.34	< 0.0025	< 0.002	
	6/7/2022	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	0.76	< 0.0005	0.04	< 0.0002	0.016	3.55	< 0.0025	< 0.002	
	9/19/2022	< 0.003	< 0.001	0.017	0.09	< 0.001	< 0.0005	< 0.005	0.014	0.78	< 0.0005	0.039	< 0.0002	0.012	7.79	< 0.0025	< 0.002
	11/8/2022 (R)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.09	NA	NA	
	12/19/2022	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.95	< 0.0005	0.038	< 0.0002	0.0091	3.08	< 0.0025	< 0.002	
	3/14/2023	< 0.0030	< 0.0010	0.050	< 0.0010	< 0.00050	< 0.0050	0.0015	0.75	< 0.00050	0.042	< 0.00020	0.019	2.02	< 0.0025	< 0.0020	
	6/28/2023	< 0.0030	< 0.0010	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.001	0.78	< 0.00050	0.042	< 0.00020	0.012	3.40	< 0.0025	< 0.0020	
	9/6/2023	< 0.0020	< 0.0020	0.043	< 0.0010	< 0.00050	< 0.0050	< 0.00050	0.77	< 0.00050	0.033	< 0.00020	0.012	2.26	< 0.0050	< 0.0010	
	12/11/2023	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.72	< 0.00050	0.040	< 0.00020	0.014	2.76	< 0.0025	< 0.0020	
	2/29/2024	NA < 0.0030	< 0.0010	0.049	NA < 0.0010	< 0.00050	< 0.0050	0.0011	0.79	< 0.00050	0.042	< 0.00020	0.016	2.51	< 0.0025	< 0.0020	
	6/18/2024	< 0.0030	0.013	0.044	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.79	< 0.00050	0.015	< 0.00020	0.014	2.44	< 0.0025	< 0.0020	
	8/23/2024	NA < 0.0030	< 0.0010	0.046	NA < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.73	< 0.00050	0.040	< 0.00020	0.020	2.11	< 0.0025	< 0.0020	
	11/20/2024	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.77	< 0.00050	0.039	< 0.00020	0.017	2.01	< 0.0025	< 0.0020	
G305 <i>down gradient</i>	11/20/2015	< 0.003	0.014	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.022	< 0.0002	0.33	1.484	< 0.0025	< 0.002	
	5/10/2016	< 0.003	0.017	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	1.33	< 0.0005	0.021	< 0.0002	0.3	1.17	< 0.0025	< 0.002	
	6/30/2016	< 0.003	0.014	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.023	< 0.0002	0.3	1.17	< 0.0025	< 0.002	
	8/25/2016	< 0.003	0.015	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.02	< 0.0002	0.31	1.87	< 0.0025	< 0.002	
	11/18/2016	< 0.003	0.016	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.023	< 0.0002	0.33	2.36	< 0.0025	< 0.002	
	2/14/2017	< 0.003	0.011	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.021	< 0.0002	0.34	1.84	< 0.0025	< 0.002	
	5/25/2017	< 0.006	0.019	0.078	< 0.002	< 0.001	< 0.01	< 0.002	1.4	< 0.001	0.04	< 0.0002	0.45	1.76	< 0.005	< 0.004	
	7/7/2017	< 0.003	0.011	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.021	< 0.0002	0.26	1.59	< 0.0025	< 0.002	
	9/26/2017	< 0.003	0.011	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.021	< 0.0002	0.2	1.41	< 0.0025	< 0.002	
	11/20/2017	< 0.003	0.01	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	1.33	< 0.0005	0.019	< 0.0002	0.19	1.71	< 0.0025	< 0.002	
	3/7/2018	< 0.003	0.011	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.019	< 0.0002	0.14	1.94	< 0.0025	< 0.002	
	GWPS	NC	0.01	2.8	NC	NC	NC	0.006	4.0	0.015	0.041	NC	0.10	5	0.05	NC	
	5/17/2018	NA	0.011	0.043	NA	NA	NA	< 0.001	1.2	< 0.0005	0.04	NA	0.11	1.57	F1 < 0.0025	NA	
	12/14/2018	NA	0.0069	0.041	NA	NA	NA	< 0.001	1.2	< 0.0005	0.022	NA	0.065	2.04	< 0.0025	NA	
	6/26/2019	NA	0.0074	0.041	NA	NA	NA	< 0.001	1.1	< 0.0005	0.018	NA	0.065	1.18	F1 < 0.0025	NA	
	11/6/2019	NA	0.01	0.041	NA	NA	NA	< 0.001	1.1	< 0.0005	0.019	NA	0.013	1.620	0.01	NA	
	6/25/2020	NA	0.0053	0.042	NA	NA	NA	< 0.001	1.1	< 0.0005	0.019	NA	0.02	2.19	< 0.0025	NA	
	11/7/2020	NA	0.0044	0.043	NA	NA	NA	< 0.001	1.2	< 0.0005	0.021	NA	0.018	2.16	< 0.0025	NA	
	6/30/2021	3	< 0.017	0.048	U ¹⁺ 1	< 0.5	< 5	< 0.001	1.11	< 0.0005	0.024	< 0.0002	0.017	2.57	< 0.0025	< 2	
	12/15/2021	< 0.003	0.0028	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	1	< 0.0005	0.022	< 0.0002	0.01	1.45	< 0.0025	< 0.002	
	3/15/2022	< 0.003	< 0.001	0.047	< 0.001	< 0.0005	< 0.005	0.0012	1	< 0.0005	0.039	< 0.0002	0.017	1.34	< 0.0025	< 0.002	
	6/10/2022	< 0.003	0.0024	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	0.99	< 0.0005	0.023	< 0.0002	0.0095	2.32	< 0.0025	< 0.002	
	9/28/2022	< 0.003	0.0023	0.044	NA < 0.001	< 0.0005	< 0.005	< 0.001	0.98	< 0.0005	0.017	< 0.0002	0.014	2.43	< 0.0025	< 0.002	
	12/19/2022	< 0.003	0.002	0.046	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.021	< 0.0002	0.0068	1.83	< 0.0025	< 0.002	
	3/17/2023	< 0.0030	0.0022	0.046	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.93	0.00051	0.022	< 0.00020	0.010	1.22	< 0.0025	< 0.0020	
	6/29/2023	<															

Table 5. Appendix IV Initial Monitoring Well Network Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
G4AS down gradient	11/20/2015	< 0.003	0.0012	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.017	< 0.0002	0.1090	1.61	< 0.0025	< 0.002	
	5/9/2016	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	0.015	< 0.0002	0.046	< 0.415	< 0.0025	< 0.002	
	6/30/2016	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	0.014	< 0.0002	0.025	0.879	< 0.0025	< 0.002	
	8/26/2016	< 0.003	< 0.001	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	0.014	< 0.0002	0.047	0.816	< 0.0025	< 0.002	
	11/16/2016	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	< 0.0005	0.011	< 0.0002	0.041	0.475	< 0.0025	< 0.002	
	2/16/2017	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.15	< 0.0005	0.014	< 0.0002	0.044	0.729	< 0.0025	< 0.002	
	5/24/2017	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	0.011	< 0.0002	0.031	1.02	< 0.0025	< 0.002	
	7/10/2017	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	0.012	< 0.0002	0.061	0.667	< 0.0025	< 0.002	
	9/28/2017	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	0.014	< 0.0002	0.041	0.614	< 0.0025	< 0.002	
	11/21/2017	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	0.016	< 0.0002	0.055	0.913	< 0.0025	< 0.002	
	3/7/2018	< 0.003	0.0014	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	0.017	< 0.0002	0.049	1.31	< 0.0025	< 0.002	
	GWPS	NC	0.01	2.8	NC	NC	NC	0.006	4.0	0.015	0.041	NC	0.10	5	0.05	NC	NC
	5/17/2018	NA	< 0.001	0.054	NA	NA	NA	NA	0.18	< 0.0005	0.016	NA	0.071	0.714	< 0.0025	NA	NA
	12/10/2018	NA	< 0.001	0.057	NA	NA	NA	NA	< 0.001	0.19	< 0.0005	0.019	NA	0.14	0.454	< 0.0025	NA
	6/19/2019	NA	< 0.001	0.062	NA	NA	NA	NA	< 0.001	0.19	< 0.0005	0.023	NA	0.13	0.841	< 0.0025	NA
	11/12/2019	NA	< 0.01	0.065	NA	NA	NA	NA	< 0.001	0.21	< 0.0005	0.026	NA	0.20	1.01	< 0.01	NA
	6/28/2020	NA	< 0.001	0.06	NA	NA	NA	NA	< 0.001	0.21	< 0.0005	0.024	NA	0.15	1.860	< 0.0025	NA
	12/15/2020	NA	< 0.001	0.062	NA	NA	NA	NA	< 0.001	0.25	< 0.0005	0.03	NA	0.20	1.18	< 0.0025	NA
	6/20/2021	< 3	< 0.001	0.058	U(1+1	< 0.5	< 5	< 0.001	0.21	< 0.0005	0.026	< 0.0002	0.22	1.29	< 0.0025	< 2	
	12/16/2021	< 0.003	< 0.001	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	0.027	< 0.0002	0.29	1.12	< 0.0025	< 0.002	
	3/15/2022	< 0.003	0.0025	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.022	< 0.0002	0.093	0.98	< 0.0025	< 0.002	
	6/9/2022	< 0.003	< 0.001	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	0.023	< 0.0002	0.17	1.36	< 0.0025	< 0.002	
	9/26/2022	< 0.003	< 0.001	0.065	1(1+1+1	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.027	< 0.0002	0.24	1.6	< 0.0025	< 0.002	
	12/21/2022	< 0.003	< 0.001	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	0.49	< 0.0005	0.023	< 0.0002	0.29	1.84	< 0.0025	< 0.002	
	3/15/2023	< 0.003	< 0.001	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	0.021	< 0.0002	0.26	0.783	< 0.0025	< 0.002	
	6/29/2023	< 0.003	< 0.001	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.026	< 0.0002	0.24	1.36	< 0.0025	< 0.002	
	9/13/2023	< 0.0020	< 0.0020	0.062	< 0.0010	< 0.00050	< 0.0050	< 0.00050	0.21	< 0.00050	0.024	< 0.00020	0.21	1.54	< 0.0020	< 0.0010	
	12/19/2023	< 0.003	0.0011	0.067	< 0.0010	< 0.00050	< 0.0050	< 0.00050	0.20	< 0.00050	0.020	< 0.00020	0.17	1.50	< 0.0025	< 0.002	
	3/6/2024	1(1+1	< 0.0030	< 0.0010	0.065	1(1+1	< 0.00050	< 0.0050	< 0.0010	0.21	< 0.00050	0.021	< 0.00020	0.14	0.873	< 0.0025	< 0.0020
	6/21/2024	< 0.0030	< 0.0010	0.064	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.22	< 0.00050	0.018	< 0.00020	0.11	1.18	< 0.0025	< 0.0020	
	9/28/2024	< 0.003	0.071	< 0.0010	0.067	< 0.00050	< 0.0050	< 0.0010	0.18	< 0.00050	0.018	< 0.00020	0.15	1.40	< 0.0025	< 0.0020	
	11/28/2024	< 0.0030	< 0.0010	0.065	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.21	< 0.00050	0.024	< 0.00020	0.10	1.40	< 0.0025	< 0.0020	
11/23/2015	< 0.003	0.0033	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	0.27	< 0.0005	0.073	< 0.0002	0.5	1.468	< 0.0025	< 0.002		
5/9/2016	< 0.003	0.0018	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	0.28	< 0.0005	0.11	< 0.0002	0.05	1.85	< 0.0025	< 0.002		
6/30/2016	< 0.003	0.0084	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	0.29	< 0.0005	0.13	< 0.0002	0.71	1.94	< 0.0025	< 0.002		
8/26/2016	< 0.003	0.0027	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.35	< 0.0005	0.12	< 0.0002	1.2	1.17	< 0.0025	< 0.002		
11/18/2016	< 0.003	0.0025	0.051	< 0.001	< 0.0005	< 0.005	< 0.0010	0.39	< 0.0005	0.13	< 0.0002	1.8	< 0.601	< 0.0025	< 0.002		
2/16/2017	< 0.003	0.0024	0.053	< 0.001	< 0.0005	< 0.005	< 0.0010	0.41	< 0.0005	0.091	< 0.0002	1.07	< 0.0025	< 0.002	< 0.002		
5/22/2017	< 0.003	0.0033	0.046	< 0.001	< 0.0005	< 0.005	< 0.0010	0.44	< 0.0005	0.11	< 0.0002	1.4	0.683	< 0.0025	< 0.002		
7/6/2017	< 0.003	0.0034	0.044	< 0.001	< 0.0005	< 0.005	< 0.0010	0.41	< 0.0005	0.076	< 0.0002	0.92	0.709	< 0.0025	< 0.002		
9/27/2017	< 0.003	0.0043	0.031	< 0.001	< 0.0005	< 0.005	< 0.0010	0.4	< 0.0005	0.091	< 0.0002	0.63	0.754	< 0.0025	< 0.002		
11/21/2017	< 0.003	0.0025	0.032	< 0.001	< 0.0005	< 0.005	< 0.0010	0.43	< 0.0005	0.07	< 0.0002	0.68	0.706	< 0.0025	< 0.002		
3/9/2018	< 0.003	0.0039	0.049	< 0.001	< 0.0005	< 0.005	< 0.0010	0.41	< 0.00053	0.093	< 0.0002	0.82	1.29	< 0.0025	< 0.002		
GWPS	NC	0.01	2.8	NC	NC	NC	0.006	4.0	0.015	0.041	NC	0.10	5	0.05	NC	NC	
5/18/2018	NA	0.0028	0.048	NA	NA	NA	< 0.0010	0.4	< 0.0005	0.073	NA	0.84	1.07	< 0.0025	NA	NA	
12/11/2018	NA	0.0023	0.055	NA	NA	NA	< 0.001	0.40	< 0.0005	0.091	NA	1.28	0.902	< 0.0025	NA	NA	
6/19/2019	NA	0.014	0.040	NA	NA	NA	< 0.001	0.330	< 0.0005	0.22	NA	1.80	1.37	< 0.0025	NA	NA	
11/13/2019	NA	< 0.050	0.041	NA	NA	NA	< 0.001	0.310	< 0.0050	0.11	NA	1.60	1.3	< 0.0100	NA	NA	
6/29/2020	NA	0.075	0.05	NA	NA	NA	< 0.001	0.34	< 0.0050	0.21	NA	1.7	2.780	< 0.0025	NA	NA	
12/15/2020	NA	0.072	0.075	NA	NA	NA	< 0.001	0.35	< 0.0005	0.21	NA	1.2	2.16	< 0.0025	NA	NA	
6/30/2021	< 3	0.044	0.05	U(1+1	< 0.5	< 5	< 0.001	0.33	< 0.0005	0.21	< 0.0002	1.6	2.17	< 0.0025	< 2	< 2	
12/15/2021	< 0.003	0.18	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	0.27	< 0.0005	0.16	< 0.0002	1.4	2.61	< 0.0025	< 0.002	< 0.002	
3/11/2022	< 0.003	0.17	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	0.34	< 0.0005	0.13	< 0.0002	1.6	3.65	< 0.0025	< 0.002	< 0.002	
6/9/2022	< 0.003	0.017	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	0.18	< 0.0002	1.2	1.72	< 0.0025	< 0.002	< 0.002	
9/26/2022	< 0.003	0.11	0.057	1(1+1+1	< 0.0005	< 0.005	< 0.001	0.31	< 0.0005	0.19	< 0.0002	1.7	2.28	< 0.0025	< 0.002	< 0.002	
12/20/2022	< 0.003	0.12	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	F1 0.58	< 0.0005	0.17	< 0.0002	1.9	4.78	< 0.0025	< 0.002	< 0.002	
3/22/2023	< 0.0030	0.056	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.31	< 0.00050	0.20	< 0.00020	1.2	2.57	< 0.0025	< 0.0020	< 0.0020	
6/28/2023	< 0.0030	0.044	0.056	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	0.17	< 0.00020	1.8	2.25	< 0.0025	< 0.0020	< 0.0020	
9/13/2023	< 0.0020	0.11	0.059	< 0.0010	< 0.00050	< 0.0050	< 0.0										

Table 5. Appendix IV Initial Monitoring Well Network Groundwater Analytical Results through 4Q2024 - Midwest Generation, LLC, Joliet Station #9 Lincoln Stone Quarry, Joliet, IL.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
CARS Interposition	11/20/2015	< 0.003	0.03	0.015	^ < 0.001	< 0.0005	< 0.005	< 0.001	1.5	< 0.0005	0.015	< 0.0002	1.4	0.812	< 0.0025	< 0.002
	5/5/2016	< 0.003	0.046	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	1.5	< 0.0005	0.016	< 0.0002	1.2	0.800	< 0.0025	< 0.002
	7/1/2016	< 0.003	0.038	0.011	< 0.001	^ < 0.0005	< 0.005	< 0.001	1.4	< 0.0005	0.013	< 0.0002	1.2	1.01	< 0.0025	< 0.002
	8/24/2016	< 0.003	0.032	0.014	< 0.001	< 0.0005	< 0.005	< 0.001	1.4	< 0.0005	0.012	< 0.0002	1.1	1.16	< 0.0025	< 0.002
	11/16/2016	< 0.003	0.03	0.018	< 0.001	< 0.0005	< 0.005	< 0.001	1.4	< 0.0005	0.016	< 0.0002	1.1	1.65	< 0.0025	< 0.002
	2/15/2017	< 0.003	0.038	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.014	< 0.0002	0.79	0.824	< 0.0025	< 0.002
	5/23/2017	< 0.003	0.03	0.014	^ < 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.016	< 0.0002	0.95	0.661	< 0.0025	< 0.002
	7/16/2017	< 0.003	0.022	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.016	< 0.0002	0.84	1.39	< 0.0025	< 0.002
	9/27/2017	< 0.003	0.024	0.019	< 0.001	< 0.0005	< 0.005	< 0.001	1.1	< 0.0005	0.019	< 0.0002	0.72	1.32	< 0.0025	< 0.002
	11/22/2017	< 0.003	0.027	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	1.2	< 0.0005	0.016	< 0.0002	0.77	1.27	< 0.0025	< 0.002
	3/8/2018	< 0.003	0.017	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	0.85	< 0.0005	0.021	< 0.0002	0.51	2.30	< 0.0025	< 0.002
	GWPS	NC	0.01	2.0	NC	NC	NC	0.006	4.0	0.015	0.041	NC	0.10	0	0.05	NC
	5/16/2018	NA	0.022	0.023	NA	NA	NA	< 0.001	0.92	< 0.0005	0.021	NA	0.49	0.962	< 0.0025	NA
	12/11/2018	NA	0.023	0.016	NA	NA	NA	< 0.001	1.1	0.0049	0.019	NA	0.79	0.921	< 0.0025	NA
	6/25/2019	NA	0.018	NA	NA	NA	NA	< 0.001	0.95	< 0.0005	0.022	NA	0.73	1.33	< 0.0025	NA
	11/7/2019	NA	0.012	0.027	NA	NA	NA	< 0.001	0.89	< 0.005	0.019	NA	0.29	1.24	< 0.01	NA
	6/26/2020	NA	0.022	0.017	NA	NA	NA	< 0.001	1.0	< 0.005	0.021	NA	0.54	0.971	< 0.0025	NA
	12/7/2020	NA	0.016	0.02	NA	NA	NA	< 0.001	1.1	< 0.0005	0.026	NA	0.41	2.0	< 0.0025	NA
	6/24/2021	< 0.003	0.0026	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.71	< 0.0005	0.032	U H 0.0002	0.26	3.89	< 0.0025	< 0.002
	12/16/2021	< 0.003	0.0076	0.023	< 0.001	< 0.0005	< 0.005	< 0.001	0.91	< 0.0005	0.024	< 0.0002	0.56	1.87	< 0.0025	< 0.002
	3/16/2022	< 0.003	< 0.001	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	0.96	< 0.0005	0.024	< 0.0002	0.27	2.56	< 0.0025	< 0.002
	6/9/2022	< 0.003	0.0084	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	0.87	< 0.0005	0.027	< 0.0002	0.38	1.36	< 0.0025	< 0.002
	9/22/2022	< 0.003	0.019	0.019	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.97	< 0.0005	0.023	< 0.0002	0.43	2.51	< 0.0025	< 0.002
	12/21/2022	< 0.003	0.014	0.016	< 0.001	< 0.0005	< 0.005	< 0.001	1.3	< 0.0005	0.022	< 0.0002	0.43	1.12	< 0.0025	< 0.002
	3/23/2023	< 0.0030	0.016	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.96	< 0.00050	0.021	< 0.00020	0.37	1.25	< 0.0025	< 0.0020
	6/30/2023	< 0.0030	0.011	0.021	^1+ < 0.001	< 0.00050	< 0.0050	< 0.0010	0.89	< 0.00050	0.026	< 0.00020	0.32	< 0.711	< 0.0025	< 0.0020
	9/7/2023	< 0.0030	0.0097	0.016	0.0010	< 0.00020	< 0.00050	< 0.00050	0.93	< 0.00050	0.019	< 0.00020	0.32	0.839	< 0.0050	< 0.0040
	12/18/2023	< 0.0030	0.012	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.88	< 0.00050	0.024	< 0.00020	0.35	1.42	< 0.0025	< 0.0020
	3/6/2024	^1+ < 0.0030	0.0085	0.023	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.82	< 0.00050	0.028	< 0.00020	0.42	1.15	< 0.0025	< 0.0020
	6/20/2024	< 0.0030	0.010	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.90	< 0.00050	0.031	< 0.00020	0.38	2.67	< 0.0025	< 0.0020
	8/28/2024	^1+ < 0.0030	0.0080	0.022	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.77	< 0.00050	0.032	< 0.00020	0.41	1.82	< 0.0025	< 0.0020
	11/22/2024	< 0.015	0.0074	0.023	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.93	< 0.00050	0.027	< 0.00020	0.45	2.06	< 0.0025	< 0.0020

Notes:
All units are in mg/L except Radium is in pCi/L as noted.
NC - Not Calculated since not detected compound.
F1 - MS and/or MSD Recovery outside of limits.
B - Compound was found in the blank and sample.
GWPS - Groundwater Protection Standard.
BOLLE - Above GWPS.
DOYA - Data Not Yet Available.
^ - Detects instrument related QC exceeds the control limits.
H - Sample prepared or analyzed past holding time.
^+ - Continuing calibration verification outside limits, High bias.
^1+ - Initial verification calibration outside of limits, biased high.

Table 6. Appendix III Expanded Assessment Network Groundwater Analytical Results through 4Q2024.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
	Prediction Limit	1,006	126*	203.2	0.35	7.52-7.04*	360*	955
G31S down-gradient	12/10/2018	4.4	130	170	0.26	7.17	290	1000
	6/24/2019	5.9	160	190	0.27	7.16	370	1100
	12/18/2019	5.1	140	190 F1	0.28	7.48	380	1100
	6/30/2020	4.5	140	230	0.26	7.26	390	1100
	12/9/2020	4.5	120	180	0.29	7.29	400	890
	6/30/2021	B 4.6	150	180	0.25	7.29	460	1000
	12/13/2021	4.9	150	160	0.24	7.29	450	1100
	3/11/2022	5.1	150	140	0.26	7.06	490	1000
	6/10/2022	4.8	150	140	0.24	7.29	480	1100
	9/27/2022	4.5	160	160	0.24	7.60	480	1100
	12/16/2022	5	140	130	0.57	7.40	450	1100
	3/15/2023	4.6	150	150	0.25	7.39	420	1100
	6/28/2023	3.2	150	160	0.25	7.27	420	1000
	9/6/2023	2.8	140	F1 190	0.25	7.42	410	1200
	12/11/2023	3.4	140	180	0.23	7.46	400	1200
	3/4/2024	3.4	140	170	0.25	7.27	390	1000
	6/21/2024	2.6	160	210	0.26	7.23	430	1200
	8/26/2024	3.3	180	270	0.21	7.46	420	1300
	11/21/2024	3.1	150	180	0.25	7.24	360	1200
G33S down-gradient	12/10/2018	0.6	36	6.3	0.98	7.41	50	410
	6/24/2019	1.4	45	4.8	1.1	7.37	61	420
	12/13/2019	1.6	44	4.8	1.4	7.59	66	440
	6/24/2020	0.97	42	4.2	0.97	7.59	51	370
	12/10/2020	1.00	51	12	1.1	7.41	74	360
	6/24/2021	B 1.3	55	10	0.89	7.5	69	430
	12/13/2021	0.71	52	13	0.56	7.52	66	380
	3/11/2022	1.1	55	14	0.71	7.44	79	470
	6/6/2022	0.78	53	12	0.62	7.34	F1 69	380
	9/28/2022	0.91	61	12	0.52	7.32	63	360
	12/16/2022	0.96	56	12	0.89	7.48	69	410
	3/15/2023	0.72	54	13	0.56	7.42	68	510
	6/28/2023	0.97	64	13	0.59	7.45	F1 73	420
	9/12/2023	0.88	53	15	0.61	7.61	77	430
	12/15/2023	0.93	57	13	0.48	7.16	73	430
	3/4/2024	0.90	60	13	0.41	7.33	57	360
	6/19/2024	0.36	49	8.8	0.33	7.56	43	300
	8/26/2024	0.80	64	13	0.43	7.66	68	350
	11/21/2024	0.81	57	11	0.54	7.50	72	390
G39S down-gradient	3/6/2024	0.31	98	35	0.20	7.00	83	540
	6/21/2024	0.23	86	20	0.21	7.19	68	540
	8/27/2024	0.30	110	25	0.17	7.31	84	590
	11/26/2024	0.29	100	22	0.20	7.21	100	610
T01S down-gradient	12/13/2018	3.3	56	110	1.1	7.37	240	900
	6/26/2019	4.3	58	110	1.1	7.43	450	930
	12/26/2019	4.4	57	100	1.2	7.86	340	940
	6/25/2020	4.0	52	100	1.1	7.75	390	900
	12/14/2020	3.8	48	120	1.3	7.44	400	870
	6/28/2021	B 4.6	51	100	1.2	7.63	430	910
	12/13/2021	4.8	62	97	1.1	7.67	410	910
	3/14/2022	4.5	62	97	1.2	7.53	420	1000
	6/14/2022	4.6	54	100	1.2	7.81	420	990
	9/28/2022	4.2	51	100	1.1	7.71	410	900
	12/20/2022	4.3	47	100	1.3	7.46	380	980
	3/21/2023	4.3	50	100	1.1	8.04	430	1000
	7/3/2023	4.7	49	98	1.1	7.90	410	890
	9/28/2023	3.9	51	98	0.99	7.86	420	950
	12/13/2023	4.8	51	100	1.0	7.45	400	940
	3/13/2024	3.4	49	99	1.1	7.53	420	910
	6/28/2024	3.6	45	96	1.1	7.28	400	910
	9/5/2024	4.1	52	96	0.97	7.34	400	920
	12/4/2024	4.0	71	88	1.1	7.75	400	990
T02S down-gradient	12/14/2018	4.90	53	110	0.47	7.55	210	870
	6/25/2019	3.5	57 V	110	0.4	7.4	230	750
	12/27/2019	5.2	76	96	0.67	8.03	340	1000
	6/23/2020	4.5	74	F1 88	0.59	7.78	370	920
	12/9/2020	4.9	64	97	0.55	7.7	370	740
	6/21/2021	5.9	49	95	0.53	7.69	380	920
	12/9/2021	5.1	69	99	0.41	7.77	360	F1 890
	3/10/2022	5.2	61	95	0.46	8.08	380	970
	6/14/2022	5.3	53	90	0.46	8.08	360	830
	9/29/2022	4.1	71	110	0.36	7.26	320	810
	12/20/2022	4.6	71	100	0.59	7.49	360	920
	3/20/2023	5.8	82	110	0.36	7.66	370	970
	6/30/2023	4.8	88	120	0.34	8.01	320	870
	9/27/2023	3.9	85	120	0.29	7.70	320	960
	12/12/2023	4.8	72	120	0.32	7.60	F1 330	1100
	3/12/2024	B 4.2	70	110	0.37	7.79	340	870
	6/24/2024	3.4	75	110	0.36	8.02	310	940
	9/4/2024	3.7	89	100	0.29	7.70	310	910
	11/27/2024	2.9	86	110	0.31	7.64	320	990
T04S down-gradient	12/19/2018	0.24	93	8.7	0.24	7.89	67	510
	6/27/2019	0.24	100	24	0.27	7.05	140	590
	12/26/2019	0.28	110	30	0.32	7.37	120	680
	6/23/2020	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/9/2020	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	6/21/2021	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/10/2021	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	3/16/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	6/6/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	9/29/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/20/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/20/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	3/15/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD

Notes:

All Statistics use the detection limit for non-detect results.

All units are in mg/l except pH is in standard units.

Bold - Potential statistically significant increase.

V - Serial Dilution exceeds the control limits.

* - Based on pooled background from G45S/T03S.

All others based on G45S as background.

F1 - MS and/or MSD Recovery is outside acceptance limits.

B - Compound was found in the blank and sample.

ABD- Abandoned. Vulcan property well removed by Vulcan as part of mining expansion.

Table 6 (cont'd). Appendix III Expanded Assessment Network Groundwater Analytical Results through 4Q2024.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
	Prediction Limit	1.006	126*	203.2	0.35	7.52-7.04*	360*	955
T05S down-gradient	12/19/2018	13.0	1.4	150	1.8	10.37	410	1600
	6/20/2019	13 B	2.2	140	1.8	10.13	530	1600
	12/30/2019	14	1.7	140	1.9	10.35	680	1600
	6/22/2020	12	3.5	150	1.8	10.71	560	1600
	12/8/2020	14	1.5	140	2.0	10.35	610	1400
	6/22/2021	14	3.7	120	1.6	9.97	630	1600
	12/10/2021	14	2.7	140	1.8	9.41	630	1500
	3/10/2022	12	3.3	130	1.7	9.17	610	1600
	6/13/2022	14	3.1	140	1.7	9.81	610	1500
	9/27/2022	12	5.9	130	1.7	9.25	630	1500
	12/15/2022	13	3.8	130	1.9	9.75	530	1600
	3/22/2023	11	5.7	130	1.6	9.70	F1 570	1500
	7/3/2023	13	1.5	140	1.7	10.06	610	1500
	9/27/2023	12	2.5	130	1.5	9.24	590	1500
	12/14/2023	14	2.5	130	1.7	9.26	610	1500
	3/11/2024	B 14	3.3	120	1.7	10.02	590	1500
	6/25/2024	12	< 4.0	110	1.6	10.18	590	1500
	9/3/2024	13	1.7	120	1.5	9.13	610	1500
	12/4/2024	8.5	2.4	110	1.6	8.71	610	1600
T06S down-gradient	12/18/2018	0.7	88	18	0.38	7.36	66	530
	6/20/2019	0.77 B	90	9.2	0.42	7.05	89	460
	12/31/2019	0.8	95	15	0.47	5.01	76	540
	6/22/2020	0.73	88	13	0.45	7.69	95	460
	12/14/2020	0.69	82	13	0.51	7.51	100	450
	6/22/2021	0.8	84	9.9	0.43	7.5	100	530
	12/8/2021	0.81	94	14	0.42	7.44	100	550
	3/8/2022	0.92	85	15	0.43	7.21	99	540
	6/13/2022	1.4	86	14	0.48	6.8	130	530
	9/27/2022	0.85	86	15	0.42	7.24	93	460
	12/15/2022	0.91	84	15	0.61	7.23	97	520
	3/21/2023	0.95	74	13	0.44	7.63	100	490
	6/27/2023	0.89	87	13	0.41	6.88	100	480
	9/19/2023	1.0	66	14	0.44	7.29	100	470
	12/14/2023	0.98	79	15	0.39	7.30	100	510
	3/11/2024	B 1.3	92	14	0.43	7.33	100	500
	6/25/2024	0.70	89	13	0.43	7.16	91	460
	9/3/2024	0.89	90	15	0.37	7.28	97	480
	12/3/2024	0.77	83	12	0.40	7.34	99	500
T08S down-gradient	12/12/2018	7.5	33	120	0.89	8.21	260	950
	6/21/2019	8.8	34	110	0.77	8.15	380	940
	12/27/2019	5.8	43	100	0.65	8.01	280	830
	6/23/2020	6.7	26	94	0.67	9.12	390	880
	12/9/2020	9.1	16	100	0.91	8.35	460	840
	6/21/2021	7.4	33	100	0.7	8.18	450	990
	12/9/2021	9.2	36	90	< 0.1	8.5	550	1100
	3/14/2022	9.4	32	89	0.78	8.67	550	1100
	6/21/2022	7.8	25	87	0.66	7.44	F1 470	970
	9/29/2022	8.4	20	96	0.7	9.17	490	990
	12/20/2022	8.9	23	94	1.1	7.85	490	1100
	3/20/2023	8.7	22	93	0.71	8.22	480	990
	7/3/2023	4.5	23	89	0.68	8.90	480	930
	9/27/2023	5.5	24	86	0.57	8.51	470	980
	12/14/2023	9.5	18	96	0.58	7.99	490	1000
	3/13/2024	9.1	20	81	0.57	8.91	470	940
	6/24/2024	6.6	18	73	0.55	8.34	440	920
	9/4/2024	6.9	16	73	0.44	8.09	430	930
	11/27/2024	7.0	17	71	0.54	8.37	450	1000
T09S down-gradient	12/18/2018	6.6	120	120	0.35	7.54	270	1000
	6/21/2019	4.1	110	120	0.34	7.29	280	870
	12/30/2019	5.1	120	120	0.39	7.68	350	940
	6/22/2020	3.0	100	82	0.39	7.5	300	790
	12/8/2020	5.7	110	84	0.46	7.51	410	890
	6/23/2021	8.1	120	80	0.4	7.34	510	1000
	12/8/2021	9	130	64	0.38	7.23	570	1100
	3/8/2022	13	130	60	0.39	7.32	590	1200
	6/8/2022	7.4	120	66	0.34	7.28	440	970
	9/27/2022	7.6	130	61	0.33	7.32	530	990
	12/15/2022	10	130	50	0.71	7.51	540	1200
	3/21/2023	9.9	130	60	0.39	7.76	540	1100
	6/27/2023	9.2	130	48	0.33	7.42	480	1000
	9/19/2023	5.7	96	62	0.31	7.74	380	880
	12/12/2023	6.9	110	57	0.29	7.57	420	920
	3/11/2024	B 5.1	110	52	0.40	7.46	380	820
	6/28/2024	4.2	130	58	0.31	7.29	350	890
	9/3/2024	4.5	130	56	0.25	7.78	320	830
	12/3/2024	3.7	130	43	0.28	7.80	270	870
T12S down-gradient	6/27/2023	6.8	150	83	0.16	7.82	380	860
	9/12/2023	6.4	100	80	0.19	7.46	350	810
	12/18/2023	7.7	120	75	0.14	7.69	330	740
	3/6/2024	5.4	110	63	0.21	7.58	270	760
	6/20/2024	5.2	140	74	0.18	8.82	310	840
	8/28/2024	4.8	130	72	0.15	7.42	230	790
T13S down-gradient	11/25/2024	4.5	120	66	0.20	7.47	190	720
	6/27/2023	0.40	100	42	0.24	7.98	130	620
	9/26/2023	0.38	100	37	F1 0.20	7.43	140	580
	12/19/2023	0.37	96	38	0.22	7.37	160	570
	3/6/2024	0.52	100	37	0.23	7.43	160	640
	6/20/2024	0.27	96	27	0.25	7.59	130	580
	8/28/2024	0.41	100	31	0.18	7.46	F1 160	550
	11/22/2024	0.17	8.3	39	0.23	7.42	170	630

Notes:

All Statistics use the detection limit for non-detect results.

All units are in mg/l except pH is in standard units.

Bold - Potential statistically significant increase.

V - Serial Dilution exceeds the control limits.

* - Based on pooled background from G45S/T03S.

All others based on G45S as background.

F1- MS and/or MSD Recovery is outside acceptance limits.

B - Compound was found in the blank and sample.

ABD- Abandoned. Vulcan property well removed by Vulcan as part of mining expansion.

Table 7. Appendix IV Expanded Assessment Well Network Groundwater Analytical Results through 4/2024.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
G315 down-gradient	GWPS	0.006	0.01	2.0	NC	0.005	0.1	0.006	4.0	0.015	0.041	NC	0.1	5 pCi/L	0.05	NC	
	12/10/2018	NA	0.005	0.051	NA	NA	NA	< 0.001	0.26	0.0012	0.11	NA	0.72	3.53	< 0.0025	NA	
	6/24/2019	NA	0.006	0.059	NA	NA	NA	< 0.001	0.27	< 0.0005	0.12	NA	0.89	3.71	< 0.0025	NA	
	12/18/2019	NA	0.005	0.049	NA	NA	NA	< 0.001	0.28	0.0005	0.11	NA	0.75	4.06	< 0.0025	NA	
	6/30/2020	NA	0.004	0.047	NA	NA	NA	< 0.001	0.26	< 0.0005	0.1	NA	0.65	3.8	< 0.0025	NA	
	12/9/2020	NA	0.003	0.048	NA	NA	NA	< 0.001	0.29	< 0.0005	0.1	NA	0.57	2.36	< 0.0025	NA	
	6/30/2021	< 3	0.004	0.049	NA	< 0.5	< 5	< 0.001	0.25	< 0.0005	0.097	< 0.0002	0.7	4.02	< 0.0025	< 2	
	12/13/2021	< 0.003	0.004	0.05	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	0.094	< 0.0002	0.75	2.02	< 0.0025	< 0.002	
	3/11/2022	< 0.003	0.004	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	0.094	< 0.0002	0.83	3.76	< 0.0025	< 0.002	
	6/10/2022	< 0.003	0.004	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	0.1	< 0.0002	0.81	3.93	< 0.0025	< 0.002	
	9/27/2022	< 0.003	0.004	0.05	NA	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	0.094	< 0.0002	0.8	3.12	< 0.0025	< 0.002	
	12/16/2022	< 0.003	0.004	0.047	< 0.001	< 0.0005	< 0.005	< 0.001	0.57	< 0.0005	0.1	< 0.0002	0.89	4.1	< 0.0025	< 0.002	
	3/15/2023	< 0.0030	0.0036	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.093	< 0.00020	0.75	2.99	< 0.0025	< 0.0020	
	6/28/2023	< 0.0030	0.0031	0.046	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.083	< 0.00020	0.61	2.95	< 0.0025	< 0.0020	
	9/6/2023	< 0.0020	0.0025	0.043	< 0.0010	< 0.00020	< 0.0050	< 0.00050	0.25	< 0.00050	0.061	< 0.00020	0.49	3.02	< 0.0050	< 0.0010	
	12/11/2023	< 0.0030	0.0030	0.046	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	0.084	< 0.00020	0.58	3.13	< 0.0025	< 0.0020	
	3/4/2024	NA	< 0.0030	0.0029	0.044	NA	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.087	< 0.00020	0.54	2.88	< 0.0025	< 0.0020
	6/21/2024	< 0.015	< 0.0050	0.047	NA	< 0.0050	< 0.025	< 0.025	< 0.0050	0.26	< 0.0025	0.074	< 0.00020	0.49	3.32	< 0.013	< 0.010
	8/26/2024	NA	< 0.0030	0.0025	0.050	NA	< 0.00050	< 0.0050	< 0.0010	0.21	< 0.00050	0.087	< 0.00020	0.59	3.41	< 0.0025	< 0.0020
	11/21/2024	< 0.0030	0.0025	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.084	< 0.00020	0.50	3.05	< 0.0025	< 0.0020	
G335 down-gradient	12/10/2018	NA	0.003	0.45	NA	NA	NA	< 0.001	0.98	0.016	0.038	NA	< 0.005	2.28	< 0.0025	NA	
	6/24/2019	NA	0.001	0.07	NA	NA	NA	< 0.001	1.1	0.0011	0.043	NA	< 0.005	1.39	< 0.0025	NA	
	12/13/2019	NA	0.001	0.057	NA	NA	NA	< 0.001	1.4	0.00064	0.041	NA	< 0.005	1.94	< 0.0025	NA	
	6/24/2020	NA	0.002	0.058	NA	NA	NA	< 0.001	0.97	0.0013	0.040	NA	< 0.005	< 0.787	< 0.0025	NA	
	12/10/2020	NA	0.002	0.046	NA	NA	NA	< 0.001	1.1	0.00058	0.041	NA	< 0.005	< 0.477	< 0.0025	NA	
	6/24/2021	< 0.003	< 0.001	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.89	0.0029	0.041	< H 0.0002	< 0.005	1.44	< 0.0025	< 0.002	
	12/13/2021	< 0.003	0.002	0.075	< 0.001	< 0.0005	< 0.005	< 0.001	0.56	0.0014	0.031	< 0.0002	< 0.005	< 1.04	< 0.0025	< 0.002	
	3/11/2022	< 0.003	0.002	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.71	0.003	0.039	< 0.0002	< 0.005	3.34	< 0.0025	< 0.002	
	6/6/2022	< 0.003	0.002	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.62	0.00077	0.033	< 0.0002	< 0.005	< 0.961	< 0.0025	< 0.002	
	9/28/2022	< 0.003	0.002	0.086	NA	< 0.0005	< 0.005	< 0.001	0.52	0.0024	0.034	< 0.0002	< 0.005	3.52	< 0.0025	< 0.002	
	12/16/2022	< 0.003	0.001	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	0.89	0.0056	0.034	< 0.0002	< 0.005	2.07	< 0.0025	< 0.002	
	3/15/2023	< 0.003	0.002	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	0.56	0.0013	0.031	< 0.0002	< 0.005	1.15	< 0.0025	< 0.002	
	6/28/2023	< 0.0030	0.0021	0.099	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.59	0.0027	0.038	< 0.00020	< 0.0050	< 1.53	< 0.0025	< 0.0020	
	9/12/2023	< 0.0020	0.0020	0.079	< 0.0010	< 0.00020	< 0.0050	< 0.00050	0.61	0.0070	0.033	< 0.00020	< 0.0020	< 1.16	< 0.0050	< 0.0010	
	12/15/2023	< 0.0030	0.0011	0.097	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.48	0.0036	0.032	< 0.00020	< 0.0050	3.02	< 0.0025	< 0.0020	
	3/4/2024	NA	< 0.0030	0.0017	0.22	NA	< 0.00050	< 0.0050	< 0.0010	0.41	0.0064	0.035	< 0.00020	< 0.0050	< 1.05	< 0.0025	< 0.0020
	6/19/2024	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.33	0.0050	0.015	< 0.00020	< 0.0050	< 0.307	< 0.0025	< 0.0020	
	8/26/2024	NA	< 0.0030	< 0.0010	0.053	NA	< 0.00050	< 0.0050	< 0.0010	0.43	0.00093	0.030	< 0.00020	< 0.0050	0.706	< 0.0025	< 0.0020
	11/21/2024	< 0.0030	< 0.0010	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.54	0.0015	0.034	< 0.00020	< 0.0050	< 0.836	< 0.0025	< 0.0020	
	G395 down-gradient	3/6/2024	NA	< 0.0030	0.0011	0.038	NA	< 0.00050	< 0.0050	< 0.0010	0.20	0.00097	0.012	< 0.00020	0.0074	0.875	< 0.0025
6/21/2024		< 0.0030	0.0030	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.21	0.00059	< 0.010	< 0.00020	0.0055	1.37	< 0.0025	< 0.0020	
8/27/2024		NA	< 0.0030	< 0.0010	0.039	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.17	< 0.00050	0.012	< 0.00020	0.0078	0.665	< 0.0025	< 0.0020
11/26/2024		< 0.0030	< 0.0010	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.20	0.0012	0.011	< 0.00020	0.0060	1.01	< 0.0025	< 0.0020	
T015 down-gradient	12/13/2018	NA	0.016	0.084	NA	NA	NA	0.0037	1.1	0.0053	0.018	NA	0.3	1.12	< 0.0025	NA	
	6/26/2019	NA	0.022	0.069	NA	NA	NA	0.003	1.1	0.0037	0.011	NA	0.3	1.02	< 0.0025	NA	
	12/26/2019	NA	0.012	0.052	NA	NA	NA	0.0019	1.2	0.012	NA	0.32	1.94	< 0.0025	NA		
	6/25/2020	NA	0.009	0.047	NA	NA	NA	0.001	1.1	0.00057	< 0.01	NA	0.32	1.9	< 0.0025	NA	
	12/14/2020	NA	0.011	0.04	NA	NA	NA	< 0.001	1.3	< 0.0005	0.011	NA	0.33	0.998	< 0.0025	NA	
	6/28/2021	< 3	0.014	0.094	< 1	< 0.5	17	0.0052	1.2	0.0056	0.022	< 0.0002	0.31	2.49	< 0.0025	< 2	
	12/13/2021	< 0.003	0.023	0.1	< 0.001	< 0.0005	0.019	0.0078	1.1	0.0078	0.021	< 0.0002	0.35	2.22	< 0.0025	< 0.002	
	3/14/2022	< 0.003	0.026	0.13	< 0.001	< 0.0005	0.027	0.012	1.2	0.014	0.026	< 0.0002	0.31	4.11	< 0.0025	< 0.002	
	6/14/2022	< 0.003	0.015	0.059	< 0.001	< 0.0005	0.0086	0.0036	1.2	0.0025	0.013	< 0.0002	0.34	1.8	< 0.0025	< 0.002	
	9/28/2022	< 0.003	0.008	0.045	NA	< 0.0005	< 0.005	0.0013	1.1	0.00052	0.012	< 0.0002	0.34	1.81	< 0.0025	< 0.002	
	12/29/2022	< 0.003	0.007	0.051	< 0.001	< 0.0005	< 0.005	0.0024	1.3	0.0018	0.012	< 0.0002	0.3	3.00	< 0.0025	< 0.002	
	3/21/2023	< 0.003	0.016	0.097	< 0.001	< 0.0005	0.018	0.0079	1.1	0.0085	0.022	< 0.0002	0.29	3.08	< 0.0025	< 0.002	
	7/5/2023	< 0.0030	0.0086	0.044	NA	< 0.0005	< 0.0050	0.0014	1.1	0.0011	0.012	< 0.00020	0.29	1.76	< 0.0025	< 0.0020	
	9/28/2023	< 0.0020	0.010	0.042	< 0.0010	< 0.00020	< 0.0050	0.0025	0.99	0.0019	0.011	< 0.00020	0.26	< 0.0050	< 0.0010	< 0.0020	
	12/13/2023	< 0.0030	0.011	0.054	< 0.0010	< 0.00050	0.0057	0.0038	1.0	0.0031	0.014	< 0.00020	0.28	1.82	< 0.0025	< 0.0020	
	3/13/2024	NA	< 0.0030	0.012	0.078	NA	< 0.00050	0.014	0.0069	1.1	0.0069	0.022	< 0.00020	0.29	1.87	< 0.0025	< 0.0020
	6/28/2024	< 0.0030	0.013	0.044	< 0.0010	< 0.00050	< 0.0050	0.0021	1.1								

Table 7 (cont'd). Appendix IV Expanded Assessment Well Network Groundwater Analytical Results through 4Q2024.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
GWPS		0.006	0.01	2.0	NC	0.005	0.1	0.006	4.0	0.015	0.041	NC	0.1	5 pCi/L	0.05	NC
T04S down-gradient	12/19/2018	NA	< 0.001	0.056	NA	NA	NA	< 0.001	0.24	0.0018	0.027	NA	0.012	0.768	< 0.0025	NA
	6/27/2019	NA	0.002	0.087	NA	NA	NA	0.0033	0.27	0.0038	0.038	NA	0.014	1.14	< 0.0025	NA
	12/26/2019	NA	0.002	0.078	NA	NA	NA	0.0044	0.32	0.0049	0.041	NA	0.013	1.16	< 0.0025	NA
	6/23/2020	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/9/2020	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	6/21/2021	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/9/2021	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	3/16/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	6/6/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	9/29/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/20/2022	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	3/15/2023	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	4/18/2023	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
	12/19/2018	NA	0.140	0.01	NA	NA	NA	< 0.001	1.8	< 0.0005	0.015	NA	1.0	0.928	0.0026	NA
T05S down-gradient	6/20/2019	NA	0.140	0.0099	NA	NA	NA	< 0.001	1.8	< 0.0005	0.018	NA	1.1	0.606	0.0056	NA
	12/30/2019	NA	0.140	0.011	NA	NA	NA	< 0.001	1.9	< 0.0005	0.02	NA	1.0	< 0.482	0.0049	NA
	6/22/2020	NA	0.130	0.01	NA	NA	NA	< 0.001	1.8	< 0.0005	0.017	NA	0.96	< 1.01	0.0038	NA
	12/8/2020	NA	0.130	0.01	NA	NA	NA	< 0.001	2	< 0.0005	0.021	NA	1.2	0.607	0.0040	NA
	6/2/2021	< 0.003	0.130	0.01	< 0.001	< 0.0005	< 0.005	< 0.001	1.6	< 0.0005	0.022	-H 0.0002	1	< 0.558	0.0044	< 0.002
	12/10/2021	< 0.003	0.120	0.0098	< 0.001	< 0.0005	< 0.005	< 0.001	1.8	< 0.0005	0.019	< 0.0002	0.96	1.37	0.0041	< 0.002
	3/10/2022	0.003	0.130	0.01	< 0.001	< 0.0005	< 0.005	< 0.001	1.7	< 0.0005	0.018	< 0.0002	0.92	0.877	0.0029	< 0.002
	6/13/2022	< 0.003	0.120	0.01	< 0.001	< 0.0005	< 0.005	< 0.001	1.7	< 0.0005	0.019	< 0.0002	0.96	0.842	0.0052	< 0.002
	9/27/2022	0.0044	0.120	0.0096	11+ < 0.001	< 0.0005	< 0.005	< 0.001	1.7	< 0.0005	0.019	< 0.0002	0.91	1.29	0.007	< 0.002
	12/15/2022	< 0.003	0.100	0.011	< 0.001	< 0.0005	< 0.005	< 0.001	1.9	< 0.0005	0.017	< 0.0002	1	0.823	0.0036	< 0.002
	3/22/2023	< 0.0030	0.11	0.0098	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.6	< 0.00050	0.021	< 0.00020	0.96	< 0.694	0.0028	< 0.0020
	7/3/2023	< 0.0030	0.12	0.010	11+ < 0.001	< 0.0005	< 0.005	< 0.001	1.7	< 0.00050	0.024	< 0.00020	0.98	< 0.678	0.006	< 0.002
	9/27/2023	< 0.0020	0.095	0.0087	< 0.0010	0.00024	< 0.0050	< 0.00050	1.5	< 0.00050	0.023	< 0.00020	0.81	1.75	< 0.0050	< 0.0010
	12/14/2023	< 0.0030	0.13	0.0076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.7	< 0.00050	0.021	< 0.00020	0.98	1.13	< 0.0025	< 0.0020
T06S down-gradient	3/11/2024	11+ < 0.0020	0.12	0.0062	11+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	1.7	< 0.00050	0.025	< 0.00020	0.99	< 0.692	0.0023	< 0.0020
	6/25/2024	< 0.060	0.11	< 0.050	11+ < 0.020	< 0.010	< 0.10	< 0.020	1.6	< 0.010	11+ < 0.20	< 0.00020	0.88	< 0.679	< 0.050	< 0.040
	9/3/2024	< 0.0030	0.13	0.0074	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.5	< 0.00050	< 0.050	< 0.00020	1.1	< 1.49	0.0030	< 0.0020
	12/4/2024	< 0.0030	0.087	0.0053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	1.6	< 0.00050	0.015	< 0.00020	0.70	< 1.18	0.0027	< 0.0020
	12/18/2018	NA	< 0.001	0.035	NA	NA	NA	< 0.001	0.38	< 0.0005	0.028	NA	0.0085	2.18	< 0.0025	NA
	6/20/2019	NA	< 0.001	0.036	NA	NA	NA	< 0.001	0.42	< 0.0005	0.027	NA	0.0085	1.75	< 0.0025	NA
	12/11/2019	NA	< 0.001	0.035	NA	NA	NA	< 0.001	0.47	< 0.0005	0.029	NA	0.011	1.55	< 0.0025	NA
	6/22/2020	NA	< 0.001	0.035	NA	NA	NA	< 0.001	0.45	< 0.0005	0.028	NA	0.006	1.66	< 0.0025	NA
	12/14/2020	NA	< 0.001	0.031	NA	NA	NA	< 0.001	0.51	< 0.0005	0.028	NA	0.011	1.320	< 0.0025	NA
	6/22/2021	0.0035	< 0.001	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.43	< 0.0005	0.028	H < 0.0002	0.0077	1.79	< 0.0025	< 0.002
	12/8/2021	< 0.003	< 0.001	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.42	< 0.0005	0.027	< 0.0002	0.014	2.07	< 0.0025	< 0.002
	3/8/2022	< 0.003	< 0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	0.43	< 0.0005	0.025	< 0.0002	0.017	1.86	< 0.0025	< 0.002
	6/13/2022	< 0.003	0.002	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	0.48	< 0.0005	0.025	< 0.0002	0.041	1.81	< 0.0025	< 0.002
	9/27/2022	< 0.003	< 0.001	0.033	11+ < 0.001	< 0.0005	< 0.005	< 0.001	0.42	< 0.0005	0.024	< 0.0002	0.016	1.54	< 0.0025	< 0.002
	12/15/2022	< 0.003	< 0.001	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	0.61	< 0.0005	0.023	< 0.0002	0.015	1.77	< 0.0025	< 0.002
T08S down-gradient	3/21/2023	< 0.003	< 0.001	0.031	< 0.001	< 0.0005	< 0.005	< 0.0010	0.44	< 0.0005	0.026	< 0.00020	0.026	1.60	< 0.0025	< 0.002
	6/27/2023	< 0.003	0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.0010	0.41	< 0.0005	0.026	< 0.00020	0.016	1.15	< 0.0025	< 0.002
	9/19/2023	< 0.0020	< 0.0020	0.031	< 0.0010	0.00021	< 0.0050	< 0.00050	0.44	< 0.00050	0.025	< 0.00020	0.026	1.53	< 0.0050	0.0015
	12/14/2023	< 0.0030	0.0012	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.39	< 0.00050	0.021	< 0.00020	0.025	2.01	< 0.0025	< 0.0020
	3/11/2024	11+ < 0.0030	0.0013	0.036	11+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.43	0.00065	0.026	< 0.00020	0.030	1.72	< 0.0025	< 0.0020
	6/25/2024	< 0.0030	< 0.0010	0.035	11+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.43	< 0.00050	0.025	< 0.00020	0.083	1.68	< 0.0025	< 0.0020
	9/3/2024	< 0.0030	< 0.0010	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.37	< 0.00050	0.026	< 0.00020	0.022	1.79	< 0.0025	< 0.0020
	12/3/2024	< 0.0030	< 0.0010	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	< 0.00050	0.024	< 0.00020	0.0088	1.89	< 0.0025	< 0.0020
	12/12/2018	NA	0.015	0.041	NA	NA	NA	< 0.001	0.89	0.0005	0.028	NA	0.88	0.674	< 0.0025	NA
	6/21/2019	NA	0.019	0.042	NA	NA	NA	< 0.001	0.77	< 0.0005	0.029	NA	0.82	0.544	< 0.0025	NA
	12/27/2019	NA	0.012	0.047	NA	NA	NA	< 0.001	0.65	< 0.0005	0.031	NA	0.56	0.62	< 0.0025	NA
	6/23/2020	NA	0.016	0.032	NA	NA	NA	< 0.001	0.67	< 0.0005	0.033	NA	0.62	0.62	< 0.0025	NA
	12/9/2020	NA	0.022	0.023	NA	NA	NA	< 0.001	0.91	< 0.0005	0.032	NA	0.68	< 0.504	< 0.0025	NA
	6/21/2021	0.043	0.017	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	0.7	< 0.0005	0.035	-H 0.0002	0.71	0.954	< 0.0025	< 0.002
	12/9/2021	< 0.003	0.015	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	0.034	< 0.0002	0.98	1.26	< 0.0025	< 0.002
	3/14/2022	< 0.003	0.016	0.042	< 0.001	< 0.0005	< 0.005	< 0.001	0.78	< 0.0005	0.034	< 0.0002	0.96	< 0.515	< 0.0025	< 0.002
	6/21/2022	< 0.003	0.020	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	0.66	< 0.0005	0.033	< 0.0002	0.76	< 1.04	< 0.0025	< 0.002
	9/29/2022	< 0.003	0.025	0.027	11+ < 0.001	< 0.0005	< 0.005	< 0.001	0.7	< 0.0005	0.037	< 0.0002	0.81	1.38	< 0.0025	< 0.002
	12/26/2022	0.003	0.019	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	1.1	< 0.0005	0.036	< 0.0002	0.89	< 0.577	< 0.0025	< 0.002
	3/20/2023	0.0086	0.020	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.71	< 0.00050	0.036	< 0.00020	0.85	< 0.740	< 0.0025	&lt

Table 7 (cont'd). Appendix IV Expanded Assessment Well Network Groundwater Analytical Results through 4Q2024.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
GWPS		0.006	0.01	2.0	NC	0.005	0.1	0.006	4.0	0.015	0.041	NC	0.1	5 pCi/L	0.05	NC
T095 down-gradient	12/18/2018	NA	0.003	0.093	NA	NA	NA	0.0011	0.35	0.0017	0.097	NA	1.0	3.31	< 0.0025	NA
	6/21/2019	NA	0.004	0.093	NA	NA	NA	< 0.001	0.34	0.0008	0.075	NA	0.67	3.08	< 0.0025	NA
	12/30/2019	NA	0.003	0.084	NA	NA	NA	< 0.001	0.39	0.00064	0.082	NA	0.75	2.42	< 0.0025	NA
	6/22/2020	NA	0.003	0.08	NA	NA	NA	< 0.001	0.39	0.0017	0.062	NA	0.52	3.04	< 0.0025	NA
	12/8/2020	NA	0.002	0.08	NA	NA	NA	< 0.001	0.46	0.00063	0.07	NA	0.89	2.760	< 0.0025	NA
	6/23/2021	< 0.003	0.003	0.074	< 0.001	< 0.0005	< 0.005	0.0011	0.4	0.00088	0.095	H < 0.0002	1.2	2.56	< 0.0025	< 0.002
	12/8/2021	< 0.003	0.004	0.067	< 0.001	< 0.0005	< 0.005	0.0011	0.38	0.00084	0.1	< 0.0002	1.3	2.74	< 0.0025	< 0.002
	3/8/2022	< 0.003	0.003	0.064	< 0.001	< 0.0005	< 0.005	0.0012	0.39	0.00058	0.13	< 0.0002	1.5	2.74	< 0.0025	< 0.002
	6/8/2022	< 0.003	0.003	0.061	< 0.001	< 0.0005	< 0.005	0.001	0.34	0.00098	0.079	< 0.0002	0.86	2.63	< 0.0025	< 0.002
	9/27/2022	< 0.003	0.003	0.062	*1+ < 0.001	< 0.0005	< 0.005	0.0012	0.33	0.0007	0.096	< 0.0002	1.3	3.99	< 0.0025	< 0.002
	12/15/2022	< 0.003	0.002	0.067	< 0.001	< 0.0005	< 0.005	0.0012	0.71	0.00086	0.11	< 0.0002	1.2	3.08	< 0.0025	< 0.002
	3/21/2023	< 0.0030	0.0019	0.064	< 0.0010	< 0.00050	< 0.0050	0.0012	0.39	< 0.00050	0.11	< 0.00020	1.3	2.87	< 0.0025	< 0.0020
	6/27/2023	< 0.0030	0.0037	0.065	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.33	0.0010	0.10	< 0.00020	0.99	2.52	< 0.0025	< 0.0020
	9/19/2023	< 0.0020	0.0036	0.053	< 0.0010	< 0.00020	< 0.0050	0.00051	0.31	< 0.00050	0.090	< 0.00020	0.66	3.41	< 0.0050	F1 0.017
	12/12/2023	< 0.0030	0.0035	0.054	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.29	0.00059	0.074	< 0.00020	0.69	2.27	< 0.0025	< 0.0020
	3/11/2024	*1+ < 0.0030	0.0039	0.052	*1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.40	0.0014	0.065	< 0.00020	0.62	3.8	< 0.0025	< 0.0020
	6/28/2024	< 0.0030	0.0054	0.061	< 0.0010	< 0.00050	< 0.0050	0.0017	0.31	0.0011	0.078	< 0.00020	0.64	2.14	< 0.0025	< 0.0020
	9/2/2024	< 0.0030	0.0023	0.059	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.093	< 0.00020	0.54	2.11	< 0.0025	< 0.0020
	12/3/2024	< 0.0030	0.002	0.057	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.28	< 0.00050	0.076	< 0.00020	0.43	2.55	< 0.0025	< 0.0020
T125 down-gradient	6/27/2023	< 0.003	0.0041	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	0.16	0.0022	0.15	< 0.00020	0.59	2.33	< 0.0025	< 0.002
	9/12/2023	< 0.0020	0.0047	0.057	< 0.0010	< 0.00020	< 0.0050	< 0.00050	0.19	< 0.00050	0.15	< 0.00020	0.67	1.38	< 0.0050	< 0.0010
	12/18/2023	< 0.0030	0.034	0.098	< 0.0010	< 0.00050	< 0.0050	0.0023	0.14	0.0025	0.15	< 0.00020	0.53	3.68	< 0.0025	< 0.0020
	3/6/2024	*1+ < 0.0030	0.013	0.066	*1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.21	0.00057	0.14	< 0.00020	0.40	1.07	< 0.0025	< 0.0020
	6/20/2024	< 0.0030	0.18	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.18	0.0016	0.14	< 0.00020	0.46	3.90	< 0.0025	< 0.0020
	8/28/2024	*1+ < 0.0030	0.066	0.083	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.15	0.00081	0.13	< 0.00020	0.31	1.94	< 0.0025	< 0.0020
	11/25/2024	< 0.015	0.12	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.20	0.00096	0.13	< 0.00020	0.16	2.08	< 0.0025	< 0.0020
	6/27/2023	< 0.0030	0.0047	0.070	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	0.00053	0.021	< 0.00020	0.067	0.735	< 0.0025	< 0.002
T135 down-gradient	8/26/2023	< 0.0020	0.0048	0.056	< 0.0010	< 0.00020	< 0.0050	< 0.00050	F1 0.20	< 0.00050	0.021	< 0.00020	0.0095	1.54	< 0.0050	F2 F1 0.012
	12/19/2023	< 0.0030	0.0048	0.067	< 0.0010	< 0.00050	< 0.0050	0.0017	0.22	0.0017	0.027	< 0.00020	0.0065	1.65	< 0.0025	< 0.0020
	3/6/2024	*1+ < 0.0030	0.0037	0.058	*1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	0.00050	0.022	< 0.00020	0.015	1.29	< 0.0025	< 0.0020
	6/20/2024	< 0.0030	0.0026	0.058	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.25	< 0.00050	0.021	< 0.00020	< 0.0050	1.43	< 0.0025	< 0.0020
	8/28/2024	*1+ < 0.0030	0.0022	0.055	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.18	< 0.00050	0.023	< 0.00020	0.012	1.75	< 0.0025	< 0.0020
	11/22/2024	< 0.0030	< 0.0010	0.0097	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.23	< 0.00050	< 0.010	< 0.00020	< 0.0050	1.32	< 0.0025	< 0.0020

Notes:

All units are in mg/L except Radium is in pCi/L as noted.

NC - Not calculated since not detected compound.

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

B - Compound was found in the blank and sample.

NA - Not Analyzed

DNVA - Data Not Yet Available.

^ - Denotes instrument related QC exceeds the control limits

GWPS - Groundwater Protection Standard.

BOLD - Above GWPS.

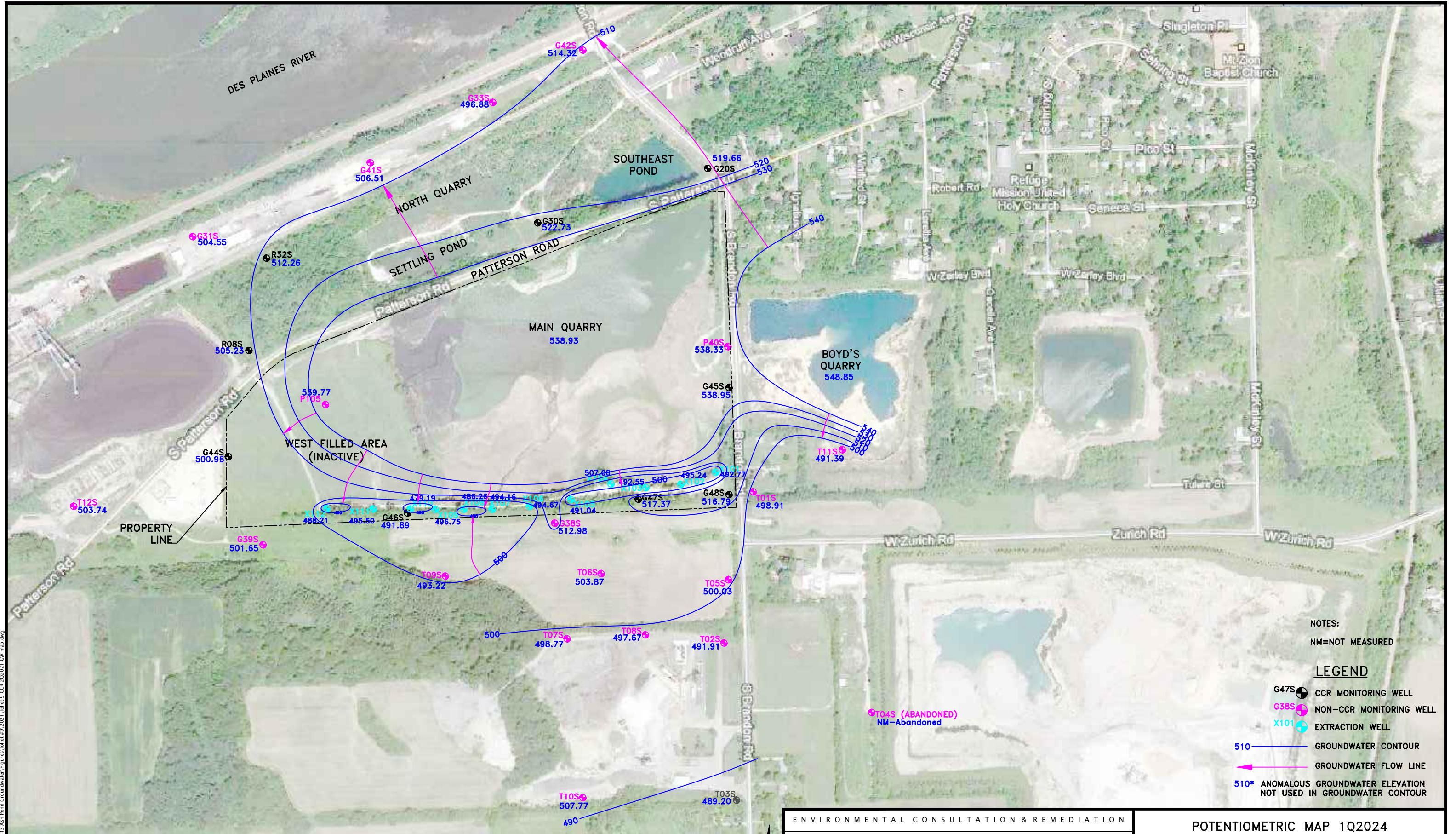
H - Sample prep'd or analyzed past holding time.

^/- - Continuing calibration verification outside limits, High bias.

*1+ - Initial verification calibration outside of limits, biased high.

ABD - Abandoned. Vulkan property well removed by Vulkan as part of mine expansion.

ATTACHMENT 1
Groundwater Flow Contour Maps



NOTES:
NM=NOT MEASURED

LEGEND

- G47S CCR MONITORING WELL
- G38S NON-CCR MONITORING WELL
- T101 EXTRACTION WELL
- 510 GROUNDWATER CONTOUR
- GROUNDWATER FLOW LINE
- 510* ANOMALOUS GROUNDWATER ELEVATION NOT USED IN GROUNDWATER CONTOUR

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ENVIRONMENTAL CONSULTATION & REMEDIATION

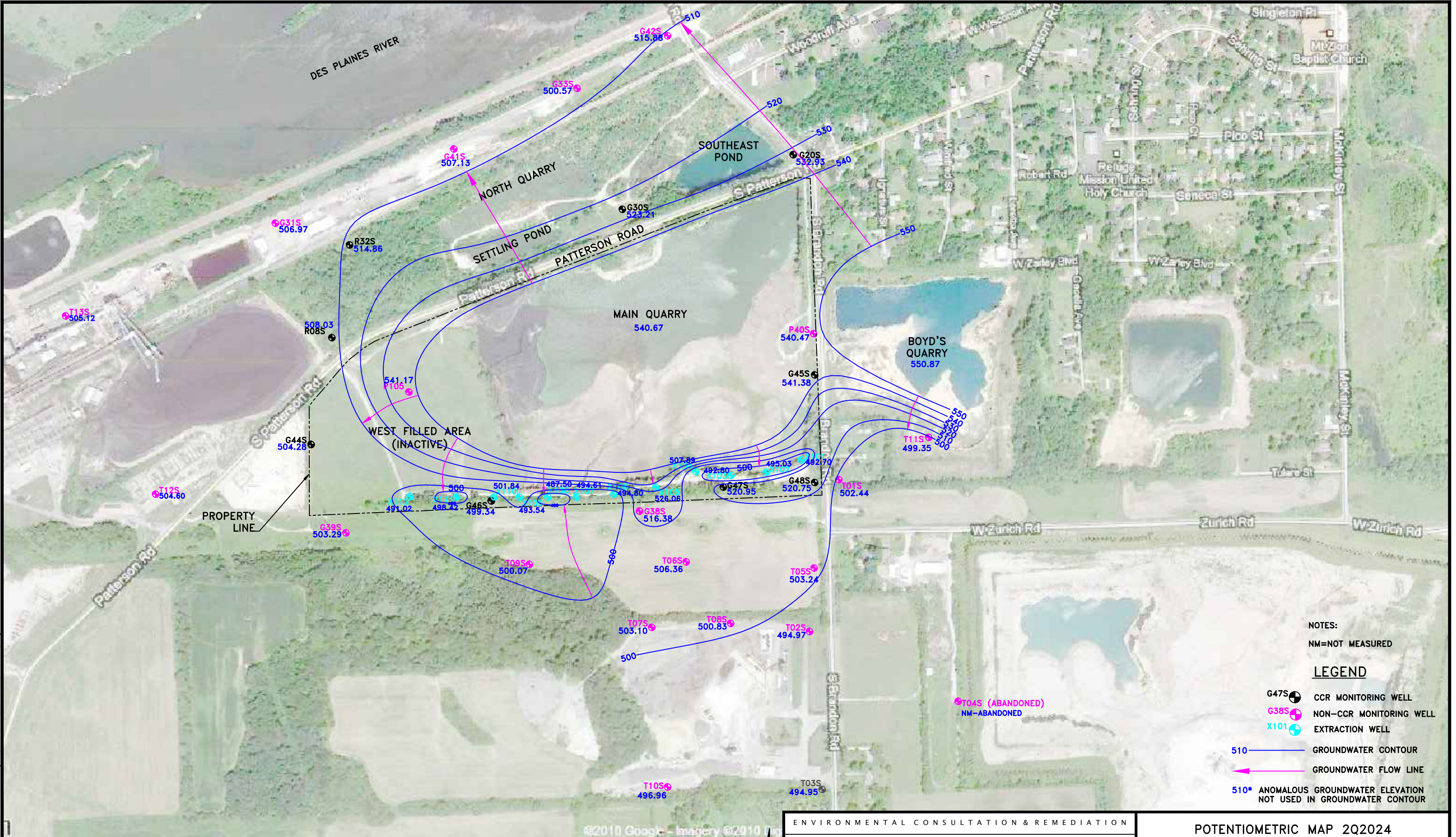
K P R G

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

POTENTIOMETRIC MAP 1Q2024	
LINCOLN STONE QUARRY JOLIET, ILLINOIS	
Scale: 1" = 450'	Date: January 20, 2025
KPRG Project No. 11306	ATTACHMENT 1



NOTES:
NM=NOT MEASURED

LEGEND

- G47S CCR MONITORING WELL
- G38S NON-CCR MONITORING WELL
- X101 EXTRACTION WELL
- 510 GROUNDWATER CONTOUR
- GROUNDWATER FLOW LINE
- 510* ANOMALOUS GROUNDWATER ELEVATION
NOT USED IN GROUNDWATER CONTOUR

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0 450'
APPROXIMATE SCALE

ENVIRONMENTAL CONSULTATION & REMEDIATION

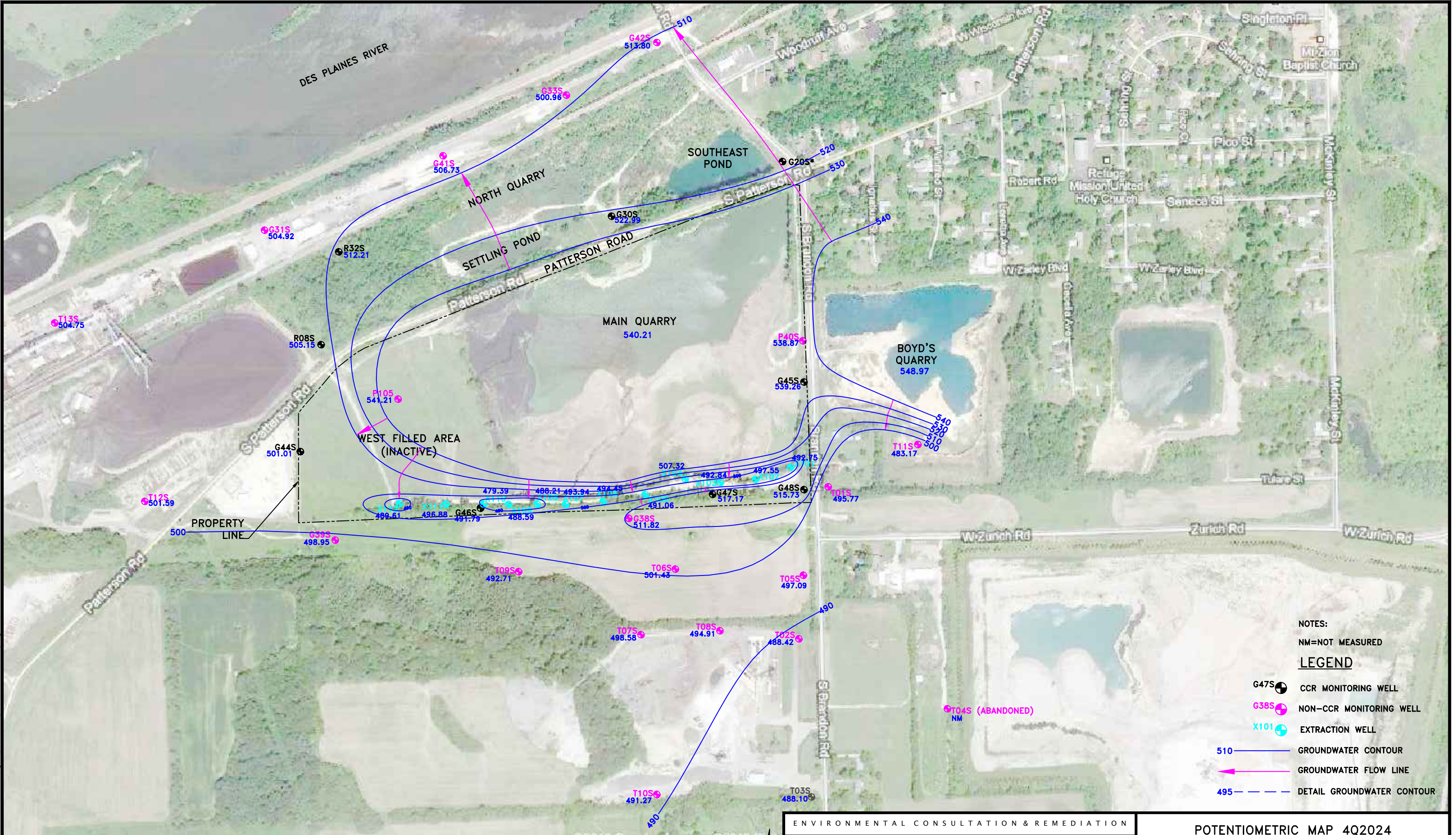
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414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

POTENTIOMETRIC MAP 2Q2024	
LINCOLN STONE QUARRY JOLIET, ILLINOIS	
Scale: 1" = 450'	Date: January 20, 2025
KPRG Project No. 11306	ATTACHMENT 1



W:\projects\midwest\generation\12313 Ash Pond Groundwater Figures\Joliet\9 CCR 202021 CW map.dwg

G20S* WATER LEVEL WAS ANOMALOUSLY LOW, THEREFORE DATA WAS NOT INCLUDED.



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

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NOTES:
NM=NOT MEASURED

LEGEND

G47S CCR MONITORING WELL

G38S NON-CCR MONITORING WELL

X101 EXTRACTION WELL

510 GROUNDWATER CONTOUR

GROUNDWATER FLOW LINE

495 DETAIL GROUNDWATER CONTOUR

T04S (ABANDONED) NM

POTENTIOMETRIC MAP 4Q2024

LINCOLN STONE QUARRY
JOLIET, ILLINOIS

Scale: 1" = 450' | Date: January 16, 2025

KPRG Project No. 11306 | ATTACHMENT 1

ATTACHMENT 2
Analytical Data Packages

ANALYTICAL REPORT

PREPARED FOR

Attn: John Niedzwiecki
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 3/22/2024 5:24:48 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 1Q24

JOB NUMBER

500-246814-1

Eurofins Chicago

Job Notes

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Authorization



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Case Narrative

Client: Midwest Generation EME LLC
Project: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Job ID: 500-246814-1

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Job Narrative 500-246814-1

Receipt

The samples were received on 2/29/2024 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.6° C, 2.2° C, 2.3° C, 2.6° C, 3.5° C, 4.0° C and 4.9° C.

Metals

Method 6020B: The initial low level calibration verification (ICVL) result for 759098 was above the upper control limit. The affected analytes are: Be and Sb. Sample results were non-detects, and have been reported as qualified data.

Method 6020B: The initial calibration blank for analytical batch 759098 contained Sb greater than the reporting limit (RL). Associated samples results were non detects therefore the data was qualified and reported.

Method 6020B: The method blank for prep batch 758164 contained B- above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

General Chemistry

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-758155 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.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-758617 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.

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Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246814-1	G20S	Water	02/29/24 09:44	02/29/24 14:44
500-246814-2	R08S	Water	02/29/24 13:27	02/29/24 14:44
500-246814-3	G31S	Water	03/04/24 11:19	03/04/24 14:55
500-246814-4	G33S	Water	03/04/24 12:06	03/04/24 14:55
500-246814-5	G47S	Water	03/04/24 13:26	03/04/24 14:55
500-246814-6	T13S	Water	03/06/24 09:39	03/06/24 15:22
500-246814-7	T12S	Water	03/06/24 10:33	03/06/24 15:22
500-246814-8	G44S	Water	03/06/24 11:20	03/06/24 15:22
500-246814-9	G39S	Water	03/06/24 12:51	03/06/24 15:22
500-246814-10	G48S	Water	03/06/24 13:45	03/06/24 15:22
500-246814-11	G30S	Water	03/07/24 09:28	03/07/24 14:40
500-246814-12	R32S	Water	03/07/24 11:47	03/07/24 14:40
500-246814-13	G46S	Water	03/07/24 13:19	03/07/24 14:40
500-246814-14	T09S	Water	03/11/24 10:03	03/11/24 15:25
500-246814-15	T06S	Water	03/11/24 11:31	03/11/24 15:25
500-246814-16	T05S	Water	03/11/24 13:22	03/11/24 15:25
500-246814-17	T02S	Water	03/12/24 09:47	03/12/24 14:05
500-246814-18	T03S	Water	03/12/24 11:33	03/12/24 14:05
500-246814-19	G45S	Water	03/12/24 12:27	03/12/24 14:05
500-246814-20	G45S Dup	Water	03/12/24 12:27	03/12/24 14:05
500-246814-21	T01S	Water	03/13/24 09:58	03/13/24 15:32
500-246814-22	T08S	Water	03/13/24 12:02	03/13/24 15:32
500-246814-23	T11S	Water	03/13/24 13:45	03/13/24 15:32

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G20S

Lab Sample ID: 500-246814-1

Date Collected: 02/29/24 09:44

Matrix: Water

Date Received: 02/29/24 14:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:35	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Barium	0.049		0.0025		mg/L		03/08/24 08:46	03/19/24 12:35	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Boron	1.3		0.050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Calcium	63		0.20		mg/L		03/08/24 08:46	03/19/24 12:35	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Cobalt	0.0011		0.0010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Lithium	0.042		0.010		mg/L		03/08/24 08:46	03/19/24 12:35	1
Molybdenum	0.016		0.0050		mg/L		03/08/24 08:46	03/19/24 12:35	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:35	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	370		10		mg/L			03/04/24 00:08	1
Chloride (SM 4500 Cl- E)	17		2.0		mg/L			03/03/24 11:52	1
Fluoride (SM 4500 F C)	0.79		0.10		mg/L			03/21/24 12:39	1
Sulfate (SM 4500 SO4 E)	65		10		mg/L			03/03/24 14:32	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	50.05				ft			02/29/24 09:44	1
Depth to Water (ft from MP)	52.83				ft			02/29/24 09:44	1
Elevation of well (ft from MP)	580.87				ft			02/29/24 09:44	1
Field pH	7.61				SU			02/29/24 09:44	1
Field Temperature	51.1				Degrees F			02/29/24 09:44	1
Ground Water Elevation	528.04				ft			02/29/24 09:44	1
Specific Conductance	692				umhos/cm			02/29/24 09:44	1
Well bottom elevation	442.28				ft			02/29/24 09:44	1
Field Turbidity	4.18				NTU			02/29/24 09:44	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: R08S

Lab Sample ID: 500-246814-2

Date Collected: 02/29/24 13:27

Matrix: Water

Date Received: 02/29/24 14:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:54	1
Arsenic	0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Barium	0.041		0.0025		mg/L		03/08/24 08:46	03/19/24 12:54	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Boron	8.2		0.050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Calcium	140		0.20		mg/L		03/08/24 08:46	03/19/24 12:54	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Lithium	0.16		0.010		mg/L		03/08/24 08:46	03/19/24 12:54	1
Molybdenum	0.36		0.0050		mg/L		03/08/24 08:46	03/19/24 12:54	1
Selenium	0.011		0.0025		mg/L		03/08/24 08:46	03/19/24 12:54	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	770		10		mg/L			03/04/24 00:10	1
Chloride (SM 4500 Cl- E)	71		4.0		mg/L			03/03/24 11:52	2
Fluoride (SM 4500 F C)	0.13		0.10		mg/L			03/21/24 12:57	1
Sulfate (SM 4500 SO4 E)	400		50		mg/L			03/03/24 14:39	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	70.69				ft			02/29/24 13:27	1
Depth to Water (ft from MP)	73.24				ft			02/29/24 13:27	1
Elevation of well (ft from MP)	578.66				ft			02/29/24 13:27	1
Field pH	7.96				SU			02/29/24 13:27	1
Field Temperature	54.0				Degrees F			02/29/24 13:27	1
Ground Water Elevation	505.42				ft			02/29/24 13:27	1
Specific Conductance	1016				umhos/cm			02/29/24 13:27	1
Well bottom elevation	453.08				ft			02/29/24 13:27	1
Field Turbidity	0.64				NTU			02/29/24 13:27	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G31S

Lab Sample ID: 500-246814-3

Date Collected: 03/04/24 11:19

Matrix: Water

Date Received: 03/04/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:58	1
Arsenic	0.0029		0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Barium	0.044		0.0025		mg/L		03/08/24 08:46	03/19/24 12:58	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Boron	3.4		0.050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Calcium	140		0.20		mg/L		03/08/24 08:46	03/19/24 12:58	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Lithium	0.087		0.010		mg/L		03/08/24 08:46	03/19/24 12:58	1
Molybdenum	0.54		0.0050		mg/L		03/08/24 08:46	03/19/24 12:58	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:58	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			03/06/24 02:52	1
Chloride (SM 4500 Cl- E)	170		10		mg/L			03/10/24 11:51	5
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			03/21/24 13:03	1
Sulfate (SM 4500 SO4 E)	390		50		mg/L			03/11/24 12:30	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	28.65				ft			03/04/24 11:19	1
Depth to Water (ft from MP)	31.23				ft			03/04/24 11:19	1
Elevation of well (ft from MP)	535.73				ft			03/04/24 11:19	1
Field pH	7.27				SU			03/04/24 11:19	1
Field Temperature	57.6				Degrees F			03/04/24 11:19	1
Ground Water Elevation	504.50				ft			03/04/24 11:19	1
Specific Conductance	1550				umhos/cm			03/04/24 11:19	1
Well bottom elevation	453.36				ft			03/04/24 11:19	1
Field Turbidity	1.36				NTU			03/04/24 11:19	1

Eurofins Chicago

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G33S

Lab Sample ID: 500-246814-4

Date Collected: 03/04/24 12:06

Matrix: Water

Date Received: 03/04/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:02	1
Arsenic	0.0017		0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Barium	0.22		0.0025		mg/L		03/08/24 08:46	03/19/24 13:02	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Boron	0.90		0.050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Calcium	60		0.20		mg/L		03/08/24 08:46	03/19/24 13:02	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Lead	0.0064		0.00050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Lithium	0.035		0.010		mg/L		03/08/24 08:46	03/19/24 13:02	1
Molybdenum	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:02	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:02	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360		10		mg/L			03/06/24 03:00	1
Chloride (SM 4500 Cl- E)	13		2.0		mg/L			03/10/24 11:25	1
Fluoride (SM 4500 F C)	0.41		0.10		mg/L			03/21/24 13:08	1
Sulfate (SM 4500 SO4 E)	57		10		mg/L			03/11/24 12:30	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	37.05				ft			03/04/24 12:06	1
Depth to Water (ft from MP)	38.78				ft			03/04/24 12:06	1
Elevation of well (ft from MP)	535.67				ft			03/04/24 12:06	1
Field pH	7.33				SU			03/04/24 12:06	1
Field Temperature	56.7				Degrees F			03/04/24 12:06	1
Ground Water Elevation	496.89				ft			03/04/24 12:06	1
Specific Conductance	693				umhos/cm			03/04/24 12:06	1
Well bottom elevation	452.72				ft			03/04/24 12:06	1
Field Turbidity	83.20				NTU			03/04/24 12:06	1

Eurofins Chicago

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G47S

Lab Sample ID: 500-246814-5

Date Collected: 03/04/24 13:26

Matrix: Water

Date Received: 03/04/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:05	1
Arsenic	0.030		0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Barium	0.012		0.0025		mg/L		03/08/24 08:46	03/19/24 13:05	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Boron	5.9		0.050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Calcium	16		0.20		mg/L		03/08/24 08:46	03/19/24 13:05	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Lithium	0.053		0.010		mg/L		03/08/24 08:46	03/19/24 13:05	1
Molybdenum	0.48		0.0050		mg/L		03/08/24 08:46	03/19/24 13:05	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:05	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			03/06/24 03:05	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			03/11/24 14:14	5
Fluoride (SM 4500 F C)	0.57		0.10		mg/L			03/21/24 13:13	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			03/11/24 12:33	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	92.23				ft			03/04/24 13:26	1
Depth to Water (ft from MP)	94.73				ft			03/04/24 13:26	1
Elevation of well (ft from MP)	612.23				ft			03/04/24 13:26	1
Field pH	8.49				SU			03/04/24 13:26	1
Field Temperature	56.8				Degrees F			03/04/24 13:26	1
Ground Water Elevation	517.50				ft			03/04/24 13:26	1
Specific Conductance	1590				umhos/cm			03/04/24 13:26	1
Well bottom elevation	459.84				ft			03/04/24 13:26	1
Field Turbidity	0.74				NTU			03/04/24 13:26	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T13S

Lab Sample ID: 500-246814-6

Date Collected: 03/06/24 09:39

Matrix: Water

Date Received: 03/06/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:09	1
Arsenic	0.0037		0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Barium	0.058		0.0025		mg/L		03/08/24 08:46	03/19/24 13:09	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Boron	0.52		0.050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Calcium	100		0.20		mg/L		03/08/24 08:46	03/19/24 13:09	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Lead	0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Lithium	0.022		0.010		mg/L		03/08/24 08:46	03/19/24 13:09	1
Molybdenum	0.015		0.0050		mg/L		03/08/24 08:46	03/19/24 13:09	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:09	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	640		10		mg/L			03/07/24 20:58	1
Chloride (SM 4500 Cl- E)	37		2.0		mg/L			03/10/24 11:27	1
Fluoride (SM 4500 F C)	0.23		0.10		mg/L			03/21/24 13:18	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			03/11/24 12:33	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.22				ft			03/06/24 09:39	1
Depth to Water (ft from MP)	19.98				ft			03/06/24 09:39	1
Elevation of well (ft from MP)	525.33				ft			03/06/24 09:39	1
Field pH	7.43				SU			03/06/24 09:39	1
Field Temperature	54.3				Degrees F			03/06/24 09:39	1
Ground Water Elevation	505.35				ft			03/06/24 09:39	1
Specific Conductance	891				umhos/cm			03/06/24 09:39	1
Well bottom elevation	452.21				ft			03/06/24 09:39	1
Field Turbidity	33.10				NTU			03/06/24 09:39	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T12S

Lab Sample ID: 500-246814-7

Date Collected: 03/06/24 10:33

Matrix: Water

Date Received: 03/06/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:24	1
Arsenic	0.013		0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Barium	0.066		0.0025		mg/L		03/08/24 08:46	03/19/24 13:24	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Boron	5.4		0.050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Calcium	110		0.20		mg/L		03/08/24 08:46	03/19/24 13:24	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Lead	0.00057		0.00050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Lithium	0.14		0.010		mg/L		03/08/24 08:46	03/19/24 13:24	1
Molybdenum	0.40		0.0050		mg/L		03/08/24 08:46	03/19/24 13:24	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:24	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	760		10		mg/L			03/07/24 21:06	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			03/10/24 11:52	2
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			03/21/24 13:31	1
Sulfate (SM 4500 SO4 E)	270		50		mg/L			03/11/24 12:41	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	72.26				ft			03/06/24 10:33	1
Depth to Water (ft from MP)	75.00				ft			03/06/24 10:33	1
Elevation of well (ft from MP)	578.74				ft			03/06/24 10:33	1
Field pH	7.58				SU			03/06/24 10:33	1
Field Temperature	53.6				Degrees F			03/06/24 10:33	1
Ground Water Elevation	503.74				ft			03/06/24 10:33	1
Specific Conductance	1007				umhos/cm			03/06/24 10:33	1
Well bottom elevation	452.24				ft			03/06/24 10:33	1
Field Turbidity	38.80				NTU			03/06/24 10:33	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G44S

Lab Sample ID: 500-246814-8

Date Collected: 03/06/24 11:20

Matrix: Water

Date Received: 03/06/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:28	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Barium	0.065		0.0025		mg/L		03/08/24 08:46	03/19/24 13:28	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Boron	1.4		0.050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Calcium	130		0.20		mg/L		03/08/24 08:46	03/19/24 13:28	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Lithium	0.021		0.010		mg/L		03/08/24 08:46	03/19/24 13:28	1
Molybdenum	0.14		0.0050		mg/L		03/08/24 08:46	03/19/24 13:28	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:28	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 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		03/20/24 10:50	03/21/24 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			03/07/24 21:11	1
Chloride (SM 4500 Cl- E)	66		4.0		mg/L			03/10/24 11:53	2
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			03/21/24 13:36	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			03/11/24 12:34	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	81.43				ft			03/06/24 11:20	1
Depth to Water (ft from MP)	83.61				ft			03/06/24 11:20	1
Elevation of well (ft from MP)	586.68				ft			03/06/24 11:20	1
Field pH	7.29				SU			03/06/24 11:20	1
Field Temperature	56.5				Degrees F			03/06/24 11:20	1
Ground Water Elevation	503.07				ft			03/06/24 11:20	1
Specific Conductance	1097				umhos/cm			03/06/24 11:20	1
Well bottom elevation	455.11				ft			03/06/24 11:20	1
Field Turbidity	6.71				NTU			03/06/24 11:20	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G39S

Lab Sample ID: 500-246814-9

Date Collected: 03/06/24 12:51

Matrix: Water

Date Received: 03/06/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:32	1
Arsenic	0.0011		0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Barium	0.038		0.0025		mg/L		03/08/24 08:46	03/19/24 13:32	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Boron	0.31		0.050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Calcium	98		0.20		mg/L		03/08/24 08:46	03/19/24 13:32	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Lead	0.00097		0.00050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Lithium	0.012		0.010		mg/L		03/08/24 08:46	03/19/24 13:32	1
Molybdenum	0.0074		0.0050		mg/L		03/08/24 08:46	03/19/24 13:32	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:32	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	540		10		mg/L			03/07/24 21:13	1
Chloride (SM 4500 Cl- E)	35		2.0		mg/L			03/10/24 11:25	1
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			03/21/24 13:41	1
Sulfate (SM 4500 SO4 E)	83		10		mg/L			03/11/24 12:32	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	95.12				ft			03/06/24 12:51	1
Depth to Water (ft from MP)	97.20				ft			03/06/24 12:51	1
Elevation of well (ft from MP)	598.75				ft			03/06/24 12:51	1
Field pH	7.00				SU			03/06/24 12:51	1
Field Temperature	52.9				Degrees F			03/06/24 12:51	1
Ground Water Elevation	501.55				ft			03/06/24 12:51	1
Specific Conductance	727				umhos/cm			03/06/24 12:51	1
Well bottom elevation	454.15				ft			03/06/24 12:51	1
Field Turbidity	10.20				NTU			03/06/24 12:51	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G48S

Lab Sample ID: 500-246814-10

Date Collected: 03/06/24 13:45

Matrix: Water

Date Received: 03/06/24 15:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:36	1
Arsenic	0.0085		0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Barium	0.023		0.0025		mg/L		03/08/24 08:46	03/19/24 13:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Boron	5.5		0.050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Calcium	38		0.20		mg/L		03/08/24 08:46	03/19/24 13:36	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Lithium	0.028		0.010		mg/L		03/08/24 08:46	03/19/24 13:36	1
Molybdenum	0.42		0.0050		mg/L		03/08/24 08:46	03/19/24 13:36	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:36	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	910		10		mg/L			03/07/24 21:16	1
Chloride (SM 4500 Cl- E)	97		10		mg/L			03/10/24 11:52	5
Fluoride (SM 4500 F C)	0.82		0.10		mg/L			03/21/24 13:45	1
Sulfate (SM 4500 SO4 E)	420		50		mg/L			03/11/24 12:32	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	101.05				ft			03/06/24 13:45	1
Depth to Water (ft from MP)	103.50				ft			03/06/24 13:45	1
Elevation of well (ft from MP)	620.77				ft			03/06/24 13:45	1
Field pH	8.06				SU			03/06/24 13:45	1
Field Temperature	58.3				Degrees F			03/06/24 13:45	1
Ground Water Elevation	517.27				ft			03/06/24 13:45	1
Specific Conductance	1417				umhos/cm			03/06/24 13:45	1
Well bottom elevation	468.32				ft			03/06/24 13:45	1
Field Turbidity	1.08				NTU			03/06/24 13:45	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G30S

Lab Sample ID: 500-246814-11

Date Collected: 03/07/24 09:28

Matrix: Water

Date Received: 03/07/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:39	1
Arsenic	0.0056		0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Barium	0.044		0.0025		mg/L		03/08/24 08:46	03/19/24 13:39	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Boron	4.9		0.050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Calcium	63		0.20		mg/L		03/08/24 08:46	03/19/24 13:39	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Lithium	0.024		0.010		mg/L		03/08/24 08:46	03/19/24 13:39	1
Molybdenum	0.029		0.0050		mg/L		03/08/24 08:46	03/19/24 13:39	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:39	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			03/07/24 21:19	1
Chloride (SM 4500 Cl- E)	190		10		mg/L			03/10/24 11:52	5
Fluoride (SM 4500 F C)	0.93		0.10		mg/L			03/21/24 13:51	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			03/11/24 12:31	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.48				ft			03/07/24 09:28	1
Depth to Water (ft from MP)	1.83				ft			03/07/24 09:28	1
Elevation of well (ft from MP)	524.86				ft			03/07/24 09:28	1
Field pH	7.78				SU			03/07/24 09:28	1
Field Temperature	47.1				Degrees F			03/07/24 09:28	1
Ground Water Elevation	523.03				ft			03/07/24 09:28	1
Specific Conductance	1780				umhos/cm			03/07/24 09:28	1
Well bottom elevation	462.58				ft			03/07/24 09:28	1
Field Turbidity	4.14				NTU			03/07/24 09:28	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: R32S

Lab Sample ID: 500-246814-12

Date Collected: 03/07/24 11:47

Matrix: Water

Date Received: 03/07/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:43	1
Arsenic	0.0011		0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Barium	0.032		0.0025		mg/L		03/08/24 08:46	03/19/24 13:43	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Boron	2.4		0.050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Calcium	110		0.20		mg/L		03/08/24 08:46	03/19/24 13:43	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Lithium	0.059		0.010		mg/L		03/08/24 08:46	03/19/24 13:43	1
Molybdenum	0.35		0.0050		mg/L		03/08/24 08:46	03/19/24 13:43	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:43	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	920		10		mg/L			03/07/24 21:21	1
Chloride (SM 4500 Cl- E)	43		2.0		mg/L			03/10/24 11:26	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			03/21/24 13:56	1
Sulfate (SM 4500 SO4 E)	370		50		mg/L			03/11/24 12:31	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	21.53				ft			03/07/24 11:47	1
Depth to Water (ft from MP)	23.56				ft			03/07/24 11:47	1
Elevation of well (ft from MP)	536.97				ft			03/07/24 11:47	1
Field pH	7.41				SU			03/07/24 11:47	1
Field Temperature	53.1				Degrees F			03/07/24 11:47	1
Ground Water Elevation	513.41				ft			03/07/24 11:47	1
Specific Conductance	807				umhos/cm			03/07/24 11:47	1
Well bottom elevation	457.84				ft			03/07/24 11:47	1
Field Turbidity	0.83				NTU			03/07/24 11:47	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G46S

Lab Sample ID: 500-246814-13

Date Collected: 03/07/24 13:19

Matrix: Water

Date Received: 03/07/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 13:47	1
Arsenic	0.11		0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Barium	0.059		0.0025		mg/L		03/08/24 08:46	03/19/24 13:47	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Boron	9.6		0.050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Calcium	120		0.20		mg/L		03/08/24 08:46	03/19/24 13:47	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Lithium	0.20		0.010		mg/L		03/08/24 08:46	03/19/24 13:47	1
Molybdenum	1.2		0.0050		mg/L		03/08/24 08:46	03/19/24 13:47	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 13:47	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 13:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			03/07/24 21:24	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			03/10/24 11:52	2
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			03/21/24 14:02	1
Sulfate (SM 4500 SO4 E)	520		100		mg/L			03/11/24 12:41	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	108.50				ft			03/07/24 13:19	1
Depth to Water (ft from MP)	111.20				ft			03/07/24 13:19	1
Elevation of well (ft from MP)	601.41				ft			03/07/24 13:19	1
Field pH	7.36				SU			03/07/24 13:19	1
Field Temperature	53.4				Degrees F			03/07/24 13:19	1
Ground Water Elevation	490.21				ft			03/07/24 13:19	1
Specific Conductance	1300				umhos/cm			03/07/24 13:19	1
Well bottom elevation	453.62				ft			03/07/24 13:19	1
Field Turbidity	71.10				NTU			03/07/24 13:19	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T09S

Lab Sample ID: 500-246814-14

Date Collected: 03/11/24 10:03

Matrix: Water

Date Received: 03/11/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 13:58	1
Arsenic	0.0039		0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Barium	0.052		0.0025		mg/L		03/13/24 16:54	03/19/24 13:58	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Boron	5.1	B	0.050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Calcium	110		0.20		mg/L		03/13/24 16:54	03/19/24 13:58	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Lead	0.0014		0.00050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Lithium	0.065		0.010		mg/L		03/13/24 16:54	03/19/24 13:58	1
Molybdenum	0.62		0.0050		mg/L		03/13/24 16:54	03/19/24 13:58	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 13:58	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 13:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	820		10		mg/L			03/12/24 07:50	1
Chloride (SM 4500 Cl- E)	52		4.0		mg/L			03/13/24 13:26	2
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			03/21/24 14:06	1
Sulfate (SM 4500 SO4 E)	380		50		mg/L			03/13/24 15:19	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	108.12				ft			03/11/24 10:03	1
Depth to Water (ft from MP)	110.52				ft			03/11/24 10:03	1
Elevation of well (ft from MP)	603.48				ft			03/11/24 10:03	1
Field pH	7.46				SU			03/11/24 10:03	1
Field Temperature	46.2				Degrees F			03/11/24 10:03	1
Ground Water Elevation	492.96				ft			03/11/24 10:03	1
Specific Conductance	1171				umhos/cm			03/11/24 10:03	1
Well bottom elevation	444.80				ft			03/11/24 10:03	1
Field Turbidity	326				NTU			03/11/24 10:03	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T06S

Lab Sample ID: 500-246814-15

Date Collected: 03/11/24 11:31

Matrix: Water

Date Received: 03/11/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:36	1
Arsenic	0.0013		0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Barium	0.036		0.0025		mg/L		03/13/24 16:54	03/19/24 14:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Boron	1.3	B	0.050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Calcium	92		0.20		mg/L		03/13/24 16:54	03/19/24 14:36	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Lead	0.00065		0.00050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Lithium	0.026		0.010		mg/L		03/13/24 16:54	03/19/24 14:36	1
Molybdenum	0.030		0.0050		mg/L		03/13/24 16:54	03/19/24 14:36	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:36	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	500		10		mg/L			03/12/24 07:57	1
Chloride (SM 4500 Cl- E)	14		2.0		mg/L			03/13/24 12:53	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			03/21/24 14:12	1
Sulfate (SM 4500 SO4 E)	100		25		mg/L			03/13/24 15:37	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	114.85				ft			03/11/24 11:31	1
Depth to Water (ft from MP)	117.15				ft			03/11/24 11:31	1
Elevation of well (ft from MP)	621.05				ft			03/11/24 11:31	1
Field pH	7.33				SU			03/11/24 11:31	1
Field Temperature	56.8				Degrees F			03/11/24 11:31	1
Ground Water Elevation	503.90				ft			03/11/24 11:31	1
Specific Conductance	775				umhos/cm			03/11/24 11:31	1
Well bottom elevation	447.94				ft			03/11/24 11:31	1
Field Turbidity	7.31				NTU			03/11/24 11:31	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T05S

Lab Sample ID: 500-246814-16

Date Collected: 03/11/24 13:22

Matrix: Water

Date Received: 03/11/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:40	1
Arsenic	0.12		0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Barium	0.0062		0.0025		mg/L		03/13/24 16:54	03/19/24 14:40	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Boron	14 B		0.050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Calcium	3.3		0.20		mg/L		03/13/24 16:54	03/19/24 14:40	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Lithium	0.025		0.010		mg/L		03/13/24 16:54	03/19/24 14:40	1
Molybdenum	0.99		0.0050		mg/L		03/13/24 16:54	03/19/24 14:40	1
Selenium	0.0033		0.0025		mg/L		03/13/24 16:54	03/19/24 14:40	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			03/12/24 08:00	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			03/13/24 13:12	5
Fluoride (SM 4500 F C)	1.7		0.10		mg/L			03/21/24 14:16	1
Sulfate (SM 4500 SO4 E)	590		100		mg/L			03/13/24 15:38	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	121.02				ft			03/11/24 13:22	1
Depth to Water (ft from MP)	123.42				ft			03/11/24 13:22	1
Elevation of well (ft from MP)	623.50				ft			03/11/24 13:22	1
Field pH	10.02				SU			03/11/24 13:22	1
Field Temperature	63.3				Degrees F			03/11/24 13:22	1
Ground Water Elevation	500.08				ft			03/11/24 13:22	1
Specific Conductance	2260				umhos/cm			03/11/24 13:22	1
Well bottom elevation	448.35				ft			03/11/24 13:22	1
Field Turbidity	2.04				NTU			03/11/24 13:22	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T02S

Lab Sample ID: 500-246814-17

Date Collected: 03/12/24 09:47

Matrix: Water

Date Received: 03/12/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:49	1
Arsenic	0.0084		0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Barium	0.12		0.0025		mg/L		03/13/24 16:54	03/19/24 14:49	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Boron	4.2	B	0.050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Calcium	70		0.20		mg/L		03/13/24 16:54	03/19/24 14:49	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Cobalt	0.0085		0.0010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Lead	0.0083		0.00050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Lithium	0.034		0.010		mg/L		03/13/24 16:54	03/19/24 14:49	1
Molybdenum	0.40		0.0050		mg/L		03/13/24 16:54	03/19/24 14:49	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:49	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	870		10		mg/L			03/13/24 19:43	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	0.37		0.10		mg/L			03/21/24 14:31	1
Sulfate (SM 4500 SO4 E)	340		50		mg/L			03/13/24 15:37	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	131.92				ft			03/12/24 09:47	1
Depth to Water (ft from MP)	134.25				ft			03/12/24 09:47	1
Elevation of well (ft from MP)	626.12				ft			03/12/24 09:47	1
Field pH	7.79				SU			03/12/24 09:47	1
Field Temperature	54.5				Degrees F			03/12/24 09:47	1
Ground Water Elevation	491.87				ft			03/12/24 09:47	1
Specific Conductance	1318				umhos/cm			03/12/24 09:47	1
Well bottom elevation	453.40				ft			03/12/24 09:47	1
Field Turbidity	101				NTU			03/12/24 09:47	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T03S

Lab Sample ID: 500-246814-18

Date Collected: 03/12/24 11:33

Matrix: Water

Date Received: 03/12/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:53	1
Arsenic	0.0062		0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Barium	0.077		0.0025		mg/L		03/13/24 16:54	03/19/24 14:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Boron	1.8	B	0.050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Calcium	120		0.20		mg/L		03/13/24 16:54	03/19/24 14:53	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Cobalt	0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Lithium	0.027		0.010		mg/L		03/13/24 16:54	03/19/24 14:53	1
Molybdenum	0.16		0.0050		mg/L		03/13/24 16:54	03/19/24 14:53	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:53	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	890		10		mg/L			03/13/24 19:50	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			03/21/24 14:36	1
Sulfate (SM 4500 SO4 E)	230		25		mg/L			03/13/24 15:18	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	135.33				ft			03/12/24 11:33	1
Depth to Water (ft from MP)	138.41				ft			03/12/24 11:33	1
Elevation of well (ft from MP)	629.85				ft			03/12/24 11:33	1
Field pH	7.50				SU			03/12/24 11:33	1
Field Temperature	54.3				Degrees F			03/12/24 11:33	1
Ground Water Elevation	491.44				ft			03/12/24 11:33	1
Specific Conductance	1271				umhos/cm			03/12/24 11:33	1
Well bottom elevation	456.70				ft			03/12/24 11:33	1
Field Turbidity	3.37				NTU			03/12/24 11:33	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G45S

Lab Sample ID: 500-246814-19

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 15:15	1
Arsenic	0.0087		0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Barium	0.035		0.0025		mg/L		03/13/24 16:54	03/19/24 15:15	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Boron	0.39		0.050		mg/L		03/13/24 16:54	03/21/24 16:28	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Calcium	84		0.20		mg/L		03/13/24 16:54	03/19/24 15:15	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Lithium	0.028		0.010		mg/L		03/13/24 16:54	03/19/24 15:15	1
Molybdenum	0.013		0.0050		mg/L		03/13/24 16:54	03/19/24 15:15	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 15:15	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 15:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	640		10		mg/L			03/13/24 19:56	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			03/13/24 13:11	5
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			03/21/24 14:40	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			03/13/24 15:18	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	61.62				ft			03/12/24 12:27	1
Depth to Water (ft from MP)	64.59				ft			03/12/24 12:27	1
Elevation of well (ft from MP)	603.80				ft			03/12/24 12:27	1
Field pH	7.49				SU			03/12/24 12:27	1
Field Temperature	57.9				Degrees F			03/12/24 12:27	1
Ground Water Elevation	539.21				ft			03/12/24 12:27	1
Specific Conductance	941				umhos/cm			03/12/24 12:27	1
Well bottom elevation	471.05				ft			03/12/24 12:27	1
Field Turbidity	0.58				NTU			03/12/24 12:27	1

Eurofins Chicago

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G45S Dup

Lab Sample ID: 500-246814-20

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 15:19	1
Arsenic	0.0089		0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Barium	0.035		0.0025		mg/L		03/13/24 16:54	03/19/24 15:19	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Boron	0.38		0.050		mg/L		03/13/24 16:54	03/21/24 16:31	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Calcium	85		0.20		mg/L		03/13/24 16:54	03/19/24 15:19	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Lithium	0.027		0.010		mg/L		03/13/24 16:54	03/19/24 15:19	1
Molybdenum	0.013		0.0050		mg/L		03/13/24 16:54	03/19/24 15:19	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 15:19	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 15:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		10		mg/L			03/13/24 19:58	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			03/13/24 13:10	5
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			03/21/24 14:45	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			03/13/24 15:17	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	61.62				ft			03/12/24 12:27	1
Depth to Water (ft from MP)	64.59				ft			03/12/24 12:27	1
Elevation of well (ft from MP)	603.80				ft			03/12/24 12:27	1
Field pH	7.49				SU			03/12/24 12:27	1
Field Temperature	57.9				Degrees F			03/12/24 12:27	1
Ground Water Elevation	539.21				ft			03/12/24 12:27	1
Specific Conductance	941				umhos/cm			03/12/24 12:27	1
Well bottom elevation	471.05				ft			03/12/24 12:27	1
Field Turbidity	0.58				NTU			03/12/24 12:27	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T01S

Lab Sample ID: 500-246814-21

Date Collected: 03/13/24 09:58

Matrix: Water

Date Received: 03/13/24 15:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:00	1
Arsenic	0.012		0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Barium	0.078		0.0025		mg/L		03/14/24 16:54	03/19/24 16:00	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Boron	3.4		0.050		mg/L		03/14/24 16:54	03/21/24 16:46	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Calcium	49		0.20		mg/L		03/14/24 16:54	03/19/24 16:00	1
Chromium	0.014		0.0050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Cobalt	0.0069		0.0010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Lead	0.0069		0.00050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Lithium	0.022		0.010		mg/L		03/14/24 16:54	03/19/24 16:00	1
Molybdenum	0.29		0.0050		mg/L		03/14/24 16:54	03/19/24 16:00	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:00	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	910		10		mg/L			03/13/24 20:01	1
Chloride (SM 4500 Cl- E)	99		10		mg/L			03/14/24 14:22	5
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			03/21/24 15:01	1
Sulfate (SM 4500 SO4 E)	420		50		mg/L			03/17/24 12:00	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	120.39				ft			03/13/24 09:58	1
Depth to Water (ft from MP)	122.87				ft			03/13/24 09:58	1
Elevation of well (ft from MP)	621.84				ft			03/13/24 09:58	1
Field pH	7.53				SU			03/13/24 09:58	1
Field Temperature	56.3				Degrees F			03/13/24 09:58	1
Ground Water Elevation	498.97				ft			03/13/24 09:58	1
Specific Conductance	1359				umhos/cm			03/13/24 09:58	1
Well bottom elevation	451.46				ft			03/13/24 09:58	1
Field Turbidity	379				NTU			03/13/24 09:58	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T08S

Lab Sample ID: 500-246814-22

Date Collected: 03/13/24 12:02

Matrix: Water

Date Received: 03/13/24 15:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:04	1
Arsenic	0.016		0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Barium	0.024		0.0025		mg/L		03/14/24 16:54	03/19/24 16:04	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Boron	9.1		0.50		mg/L		03/14/24 16:54	03/21/24 16:50	10
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Calcium	20		0.20		mg/L		03/14/24 16:54	03/19/24 16:04	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Lithium	0.044		0.010		mg/L		03/14/24 16:54	03/19/24 16:04	1
Molybdenum	0.74		0.0050		mg/L		03/14/24 16:54	03/19/24 16:04	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:04	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	940		10		mg/L			03/13/24 20:03	1
Chloride (SM 4500 Cl- E)	81		4.0		mg/L			03/14/24 14:22	2
Fluoride (SM 4500 F C)	0.57		0.10		mg/L			03/21/24 15:07	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			03/17/24 12:00	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	127.34				ft			03/13/24 12:02	1
Depth to Water (ft from MP)	129.72				ft			03/13/24 12:02	1
Elevation of well (ft from MP)	627.55				ft			03/13/24 12:02	1
Field pH	8.91				SU			03/13/24 12:02	1
Field Temperature	60.8				Degrees F			03/13/24 12:02	1
Ground Water Elevation	497.83				ft			03/13/24 12:02	1
Specific Conductance	1392				umhos/cm			03/13/24 12:02	1
Well bottom elevation	447.38				ft			03/13/24 12:02	1
Field Turbidity	13.40				NTU			03/13/24 12:02	1

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Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T11S

Lab Sample ID: 500-246814-23

Date Collected: 03/13/24 13:45

Matrix: Water

Date Received: 03/13/24 15:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 16:14	1
Arsenic	0.0014		0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Barium	0.044		0.0025		mg/L		03/14/24 16:54	03/19/24 16:14	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Boron	0.25		0.050		mg/L		03/14/24 16:54	03/21/24 16:54	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Calcium	110		0.20		mg/L		03/14/24 16:54	03/19/24 16:14	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Lithium	0.021		0.010		mg/L		03/14/24 16:54	03/19/24 16:14	1
Molybdenum	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 16:14	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 16:14	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 16:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	640		10		mg/L			03/13/24 20:06	1
Chloride (SM 4500 Cl- E)	37		2.0		mg/L			03/14/24 13:55	1
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			03/21/24 15:13	1
Sulfate (SM 4500 SO4 E)	210		25		mg/L			03/17/24 11:50	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	65.41				ft			03/13/24 13:45	1
Depth to Water (ft from MP)	68.15				ft			03/13/24 13:45	1
Elevation of well (ft from MP)	559.48				ft			03/13/24 13:45	1
Field pH	7.63				SU			03/13/24 13:45	1
Field Temperature	62.8				Degrees F			03/13/24 13:45	1
Ground Water Elevation	491.33				ft			03/13/24 13:45	1
Specific Conductance	922				umhos/cm			03/13/24 13:45	1
Well bottom elevation	445.60				ft			03/13/24 13:45	1
Field Turbidity	66.20				NTU			03/13/24 13:45	1

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Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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.
B	Compound was found in the blank and sample.

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.
α	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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Metals

Prep Batch: 757455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total Recoverable	Water	3005A	
500-246814-2	R08S	Total Recoverable	Water	3005A	
500-246814-3	G31S	Total Recoverable	Water	3005A	
500-246814-4	G33S	Total Recoverable	Water	3005A	
500-246814-5	G47S	Total Recoverable	Water	3005A	
500-246814-6	T13S	Total Recoverable	Water	3005A	
500-246814-7	T12S	Total Recoverable	Water	3005A	
500-246814-8	G44S	Total Recoverable	Water	3005A	
500-246814-9	G39S	Total Recoverable	Water	3005A	
500-246814-10	G48S	Total Recoverable	Water	3005A	
500-246814-11	G30S	Total Recoverable	Water	3005A	
500-246814-12	R32S	Total Recoverable	Water	3005A	
500-246814-13	G46S	Total Recoverable	Water	3005A	
MB 500-757455/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-757455/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-246814-1 MS	G20S	Total Recoverable	Water	3005A	
500-246814-1 MSD	G20S	Total Recoverable	Water	3005A	
500-246814-1 DU	G20S	Total Recoverable	Water	3005A	

Prep Batch: 758164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total Recoverable	Water	3005A	
500-246814-15	T06S	Total Recoverable	Water	3005A	
500-246814-16	T05S	Total Recoverable	Water	3005A	
500-246814-17	T02S	Total Recoverable	Water	3005A	
500-246814-18	T03S	Total Recoverable	Water	3005A	
500-246814-19	G45S	Total Recoverable	Water	3005A	
500-246814-20	G45S Dup	Total Recoverable	Water	3005A	
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-246814-14 MS	T09S	Total Recoverable	Water	3005A	
500-246814-14 MSD	T09S	Total Recoverable	Water	3005A	
500-246814-14 DU	T09S	Total Recoverable	Water	3005A	

Prep Batch: 758383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total Recoverable	Water	3005A	
500-246814-22	T08S	Total Recoverable	Water	3005A	
500-246814-23	T11S	Total Recoverable	Water	3005A	
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 758939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	7470A	
500-246814-2	R08S	Total/NA	Water	7470A	
500-246814-3	G31S	Total/NA	Water	7470A	
500-246814-4	G33S	Total/NA	Water	7470A	
MB 500-758939/13-A	Method Blank	Total/NA	Water	7470A	
LCS 500-758939/12-A	Lab Control Sample	Total/NA	Water	7470A	

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Metals

Analysis Batch: 759098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total Recoverable	Water	6020B	757455
500-246814-2	R08S	Total Recoverable	Water	6020B	757455
500-246814-3	G31S	Total Recoverable	Water	6020B	757455
500-246814-4	G33S	Total Recoverable	Water	6020B	757455
500-246814-5	G47S	Total Recoverable	Water	6020B	757455
500-246814-6	T13S	Total Recoverable	Water	6020B	757455
500-246814-7	T12S	Total Recoverable	Water	6020B	757455
500-246814-8	G44S	Total Recoverable	Water	6020B	757455
500-246814-9	G39S	Total Recoverable	Water	6020B	757455
500-246814-10	G48S	Total Recoverable	Water	6020B	757455
500-246814-11	G30S	Total Recoverable	Water	6020B	757455
500-246814-12	R32S	Total Recoverable	Water	6020B	757455
500-246814-13	G46S	Total Recoverable	Water	6020B	757455
500-246814-14	T09S	Total Recoverable	Water	6020B	758164
500-246814-15	T06S	Total Recoverable	Water	6020B	758164
500-246814-16	T05S	Total Recoverable	Water	6020B	758164
500-246814-17	T02S	Total Recoverable	Water	6020B	758164
500-246814-18	T03S	Total Recoverable	Water	6020B	758164
500-246814-19	G45S	Total Recoverable	Water	6020B	758164
500-246814-20	G45S Dup	Total Recoverable	Water	6020B	758164
500-246814-21	T01S	Total Recoverable	Water	6020B	758383
500-246814-22	T08S	Total Recoverable	Water	6020B	758383
500-246814-23	T11S	Total Recoverable	Water	6020B	758383
MB 500-757455/1-A	Method Blank	Total Recoverable	Water	6020B	757455
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	6020B	758164
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	6020B	758383
LCS 500-757455/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757455
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758164
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758383
500-246814-1 MS	G20S	Total Recoverable	Water	6020B	757455
500-246814-1 MSD	G20S	Total Recoverable	Water	6020B	757455
500-246814-14 MS	T09S	Total Recoverable	Water	6020B	758164
500-246814-14 MSD	T09S	Total Recoverable	Water	6020B	758164
500-246814-1 DU	G20S	Total Recoverable	Water	6020B	757455
500-246814-14 DU	T09S	Total Recoverable	Water	6020B	758164

Prep Batch: 759146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	7470A	
500-246814-6	T13S	Total/NA	Water	7470A	
500-246814-7	T12S	Total/NA	Water	7470A	
500-246814-8	G44S	Total/NA	Water	7470A	
500-246814-9	G39S	Total/NA	Water	7470A	
500-246814-10	G48S	Total/NA	Water	7470A	
500-246814-11	G30S	Total/NA	Water	7470A	
500-246814-12	R32S	Total/NA	Water	7470A	
500-246814-13	G46S	Total/NA	Water	7470A	
500-246814-14	T09S	Total/NA	Water	7470A	
500-246814-15	T06S	Total/NA	Water	7470A	
500-246814-16	T05S	Total/NA	Water	7470A	
500-246814-17	T02S	Total/NA	Water	7470A	

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Metals (Continued)

Prep Batch: 759146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-18	T03S	Total/NA	Water	7470A	
500-246814-19	G45S	Total/NA	Water	7470A	
500-246814-20	G45S Dup	Total/NA	Water	7470A	
500-246814-21	T01S	Total/NA	Water	7470A	
500-246814-22	T08S	Total/NA	Water	7470A	
500-246814-23	T11S	Total/NA	Water	7470A	
MB 500-759146/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-759146/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-246814-15 MS	T06S	Total/NA	Water	7470A	
500-246814-15 MSD	T06S	Total/NA	Water	7470A	
500-246814-15 DU	T06S	Total/NA	Water	7470A	

Analysis Batch: 759169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	7470A	758939
500-246814-2	R08S	Total/NA	Water	7470A	758939
500-246814-3	G31S	Total/NA	Water	7470A	758939
500-246814-4	G33S	Total/NA	Water	7470A	758939
MB 500-758939/13-A	Method Blank	Total/NA	Water	7470A	758939
LCS 500-758939/12-A	Lab Control Sample	Total/NA	Water	7470A	758939

Analysis Batch: 759390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	7470A	759146
500-246814-6	T13S	Total/NA	Water	7470A	759146
500-246814-7	T12S	Total/NA	Water	7470A	759146
500-246814-8	G44S	Total/NA	Water	7470A	759146
500-246814-9	G39S	Total/NA	Water	7470A	759146
500-246814-10	G48S	Total/NA	Water	7470A	759146
500-246814-11	G30S	Total/NA	Water	7470A	759146
500-246814-12	R32S	Total/NA	Water	7470A	759146
500-246814-13	G46S	Total/NA	Water	7470A	759146
500-246814-14	T09S	Total/NA	Water	7470A	759146
500-246814-15	T06S	Total/NA	Water	7470A	759146
500-246814-16	T05S	Total/NA	Water	7470A	759146
500-246814-17	T02S	Total/NA	Water	7470A	759146
500-246814-18	T03S	Total/NA	Water	7470A	759146
500-246814-19	G45S	Total/NA	Water	7470A	759146
500-246814-20	G45S Dup	Total/NA	Water	7470A	759146
500-246814-21	T01S	Total/NA	Water	7470A	759146
500-246814-22	T08S	Total/NA	Water	7470A	759146
500-246814-23	T11S	Total/NA	Water	7470A	759146
MB 500-759146/12-A	Method Blank	Total/NA	Water	7470A	759146
LCS 500-759146/13-A	Lab Control Sample	Total/NA	Water	7470A	759146
500-246814-15 MS	T06S	Total/NA	Water	7470A	759146
500-246814-15 MSD	T06S	Total/NA	Water	7470A	759146
500-246814-15 DU	T06S	Total/NA	Water	7470A	759146

Analysis Batch: 759520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-19	G45S	Total Recoverable	Water	6020B	758164

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Metals (Continued)

Analysis Batch: 759520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-20	G45S Dup	Total Recoverable	Water	6020B	758164
500-246814-21	T01S	Total Recoverable	Water	6020B	758383
500-246814-22	T08S	Total Recoverable	Water	6020B	758383
500-246814-23	T11S	Total Recoverable	Water	6020B	758383
MB 500-758164/1-A	Method Blank	Total Recoverable	Water	6020B	758164
MB 500-758383/1-A	Method Blank	Total Recoverable	Water	6020B	758383
LCS 500-758164/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758164
LCS 500-758383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	758383

General Chemistry

Analysis Batch: 756599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 Cl- E	
500-246814-2	R08S	Total/NA	Water	SM 4500 Cl- E	
MB 500-756599/23	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-756599/24	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 756601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-246814-2	R08S	Total/NA	Water	SM 4500 SO4 E	
MB 500-756601/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-756601/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 756625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 2540C	
500-246814-2	R08S	Total/NA	Water	SM 2540C	
MB 500-756625/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-756625/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 756990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 2540C	
500-246814-4	G33S	Total/NA	Water	SM 2540C	
500-246814-5	G47S	Total/NA	Water	SM 2540C	
MB 500-756990/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-756990/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-3 MS	G31S	Total/NA	Water	SM 2540C	
500-246814-3 DU	G31S	Total/NA	Water	SM 2540C	
500-246814-4 DU	G33S	Total/NA	Water	SM 2540C	

Analysis Batch: 757396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	SM 2540C	
500-246814-7	T12S	Total/NA	Water	SM 2540C	
500-246814-8	G44S	Total/NA	Water	SM 2540C	
500-246814-9	G39S	Total/NA	Water	SM 2540C	
500-246814-10	G48S	Total/NA	Water	SM 2540C	
500-246814-11	G30S	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

General Chemistry (Continued)

Analysis Batch: 757396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-12	R32S	Total/NA	Water	SM 2540C	
500-246814-13	G46S	Total/NA	Water	SM 2540C	
MB 500-757396/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-757396/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-6 MS	T13S	Total/NA	Water	SM 2540C	
500-246814-6 DU	T13S	Total/NA	Water	SM 2540C	
500-246814-7 DU	T12S	Total/NA	Water	SM 2540C	

Analysis Batch: 757549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 4500 Cl- E	
500-246814-4	G33S	Total/NA	Water	SM 4500 Cl- E	
500-246814-6	T13S	Total/NA	Water	SM 4500 Cl- E	
500-246814-7	T12S	Total/NA	Water	SM 4500 Cl- E	
500-246814-8	G44S	Total/NA	Water	SM 4500 Cl- E	
500-246814-9	G39S	Total/NA	Water	SM 4500 Cl- E	
500-246814-10	G48S	Total/NA	Water	SM 4500 Cl- E	
500-246814-11	G30S	Total/NA	Water	SM 4500 Cl- E	
500-246814-12	R32S	Total/NA	Water	SM 4500 Cl- E	
500-246814-13	G46S	Total/NA	Water	SM 4500 Cl- E	
MB 500-757549/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-757549/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 757667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	SM 4500 SO4 E	
500-246814-4	G33S	Total/NA	Water	SM 4500 SO4 E	
500-246814-5	G47S	Total/NA	Water	SM 4500 SO4 E	
500-246814-6	T13S	Total/NA	Water	SM 4500 SO4 E	
500-246814-7	T12S	Total/NA	Water	SM 4500 SO4 E	
500-246814-8	G44S	Total/NA	Water	SM 4500 SO4 E	
500-246814-9	G39S	Total/NA	Water	SM 4500 SO4 E	
500-246814-10	G48S	Total/NA	Water	SM 4500 SO4 E	
500-246814-11	G30S	Total/NA	Water	SM 4500 SO4 E	
500-246814-12	R32S	Total/NA	Water	SM 4500 SO4 E	
500-246814-13	G46S	Total/NA	Water	SM 4500 SO4 E	
MB 500-757667/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-757667/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-8 MS	G44S	Total/NA	Water	SM 4500 SO4 E	
500-246814-8 MSD	G44S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 757698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-5	G47S	Total/NA	Water	SM 4500 Cl- E	
MB 500-757698/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-757698/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246814-5 MS	G47S	Total/NA	Water	SM 4500 Cl- E	
500-246814-5 MSD	G47S	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

General Chemistry

Analysis Batch: 757777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 2540C	
500-246814-15	T06S	Total/NA	Water	SM 2540C	
500-246814-16	T05S	Total/NA	Water	SM 2540C	
MB 500-757777/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-757777/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-14 MS	T09S	Total/NA	Water	SM 2540C	
500-246814-14 DU	T09S	Total/NA	Water	SM 2540C	

Analysis Batch: 758128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 4500 Cl- E	
500-246814-15	T06S	Total/NA	Water	SM 4500 Cl- E	
500-246814-16	T05S	Total/NA	Water	SM 4500 Cl- E	
500-246814-17	T02S	Total/NA	Water	SM 4500 Cl- E	
500-246814-18	T03S	Total/NA	Water	SM 4500 Cl- E	
500-246814-19	G45S	Total/NA	Water	SM 4500 Cl- E	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 Cl- E	
MB 500-758128/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-758128/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 758155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	SM 4500 SO4 E	
500-246814-15	T06S	Total/NA	Water	SM 4500 SO4 E	
500-246814-16	T05S	Total/NA	Water	SM 4500 SO4 E	
500-246814-17	T02S	Total/NA	Water	SM 4500 SO4 E	
500-246814-18	T03S	Total/NA	Water	SM 4500 SO4 E	
500-246814-19	G45S	Total/NA	Water	SM 4500 SO4 E	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 SO4 E	
MB 500-758155/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-758155/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-16 MS	T05S	Total/NA	Water	SM 4500 SO4 E	
500-246814-16 MSD	T05S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 758206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-17	T02S	Total/NA	Water	SM 2540C	
500-246814-18	T03S	Total/NA	Water	SM 2540C	
500-246814-19	G45S	Total/NA	Water	SM 2540C	
500-246814-20	G45S Dup	Total/NA	Water	SM 2540C	
500-246814-21	T01S	Total/NA	Water	SM 2540C	
500-246814-22	T08S	Total/NA	Water	SM 2540C	
500-246814-23	T11S	Total/NA	Water	SM 2540C	
MB 500-758206/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-758206/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246814-17 MS	T02S	Total/NA	Water	SM 2540C	
500-246814-17 DU	T02S	Total/NA	Water	SM 2540C	
500-246814-18 DU	T03S	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

General Chemistry

Analysis Batch: 758381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	SM 4500 Cl- E	
500-246814-22	T08S	Total/NA	Water	SM 4500 Cl- E	
500-246814-23	T11S	Total/NA	Water	SM 4500 Cl- E	
MB 500-758381/65	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-758381/66	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246814-22 MS	T08S	Total/NA	Water	SM 4500 Cl- E	
500-246814-22 MSD	T08S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 758617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	SM 4500 SO4 E	
500-246814-22	T08S	Total/NA	Water	SM 4500 SO4 E	
500-246814-23	T11S	Total/NA	Water	SM 4500 SO4 E	
MB 500-758617/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-758617/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-246814-23 MS	T11S	Total/NA	Water	SM 4500 SO4 E	
500-246814-23 MSD	T11S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 759436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	SM 4500 F C	
500-246814-2	R08S	Total/NA	Water	SM 4500 F C	
500-246814-3	G31S	Total/NA	Water	SM 4500 F C	
500-246814-4	G33S	Total/NA	Water	SM 4500 F C	
500-246814-5	G47S	Total/NA	Water	SM 4500 F C	
500-246814-6	T13S	Total/NA	Water	SM 4500 F C	
500-246814-7	T12S	Total/NA	Water	SM 4500 F C	
500-246814-8	G44S	Total/NA	Water	SM 4500 F C	
500-246814-9	G39S	Total/NA	Water	SM 4500 F C	
500-246814-10	G48S	Total/NA	Water	SM 4500 F C	
500-246814-11	G30S	Total/NA	Water	SM 4500 F C	
500-246814-12	R32S	Total/NA	Water	SM 4500 F C	
500-246814-13	G46S	Total/NA	Water	SM 4500 F C	
500-246814-14	T09S	Total/NA	Water	SM 4500 F C	
500-246814-15	T06S	Total/NA	Water	SM 4500 F C	
500-246814-16	T05S	Total/NA	Water	SM 4500 F C	
500-246814-17	T02S	Total/NA	Water	SM 4500 F C	
500-246814-18	T03S	Total/NA	Water	SM 4500 F C	
500-246814-19	G45S	Total/NA	Water	SM 4500 F C	
500-246814-20	G45S Dup	Total/NA	Water	SM 4500 F C	
500-246814-21	T01S	Total/NA	Water	SM 4500 F C	
500-246814-22	T08S	Total/NA	Water	SM 4500 F C	
500-246814-23	T11S	Total/NA	Water	SM 4500 F C	
MB 500-759436/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-759436/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-759436/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-759436/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-246814-1 MS	G20S	Total/NA	Water	SM 4500 F C	
500-246814-1 MSD	G20S	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Field Service / Mobile Lab

Analysis Batch: 757183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	Field Sampling	
500-246814-2	R08S	Total/NA	Water	Field Sampling	
500-246814-3	G31S	Total/NA	Water	Field Sampling	
500-246814-4	G33S	Total/NA	Water	Field Sampling	
500-246814-5	G47S	Total/NA	Water	Field Sampling	
500-246814-6	T13S	Total/NA	Water	Field Sampling	
500-246814-7	T12S	Total/NA	Water	Field Sampling	
500-246814-8	G44S	Total/NA	Water	Field Sampling	
500-246814-9	G39S	Total/NA	Water	Field Sampling	
500-246814-10	G48S	Total/NA	Water	Field Sampling	
500-246814-11	G30S	Total/NA	Water	Field Sampling	
500-246814-12	R32S	Total/NA	Water	Field Sampling	
500-246814-13	G46S	Total/NA	Water	Field Sampling	
500-246814-14	T09S	Total/NA	Water	Field Sampling	
500-246814-15	T06S	Total/NA	Water	Field Sampling	
500-246814-16	T05S	Total/NA	Water	Field Sampling	
500-246814-17	T02S	Total/NA	Water	Field Sampling	
500-246814-18	T03S	Total/NA	Water	Field Sampling	
500-246814-19	G45S	Total/NA	Water	Field Sampling	
500-246814-20	G45S Dup	Total/NA	Water	Field Sampling	
500-246814-21	T01S	Total/NA	Water	Field Sampling	
500-246814-22	T08S	Total/NA	Water	Field Sampling	
500-246814-23	T11S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-757455/1-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/08/24 08:46	03/19/24 12:20	1
Arsenic	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Barium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:20	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Boron	<0.050		0.050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Cadmium	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Calcium	<0.20		0.20		mg/L		03/08/24 08:46	03/19/24 12:20	1
Chromium	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Cobalt	<0.0010		0.0010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Lead	<0.00050		0.00050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Lithium	<0.010		0.010		mg/L		03/08/24 08:46	03/19/24 12:20	1
Molybdenum	<0.0050		0.0050		mg/L		03/08/24 08:46	03/19/24 12:20	1
Selenium	<0.0025		0.0025		mg/L		03/08/24 08:46	03/19/24 12:20	1
Thallium	<0.0020		0.0020		mg/L		03/08/24 08:46	03/19/24 12:20	1

Lab Sample ID: LCS 500-757455/2-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.497	^1+	mg/L		99	80 - 120
Arsenic	0.100	0.0927		mg/L		93	80 - 120
Barium	0.500	0.478		mg/L		96	80 - 120
Beryllium	0.0500	0.0467	^1+	mg/L		93	80 - 120
Boron	1.00	0.930		mg/L		93	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	10.4		mg/L		104	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Cobalt	0.500	0.490		mg/L		98	80 - 120
Lead	0.100	0.0947		mg/L		95	80 - 120
Lithium	0.100	0.0939		mg/L		94	80 - 120
Molybdenum	1.00	0.921		mg/L		92	80 - 120
Selenium	0.100	0.0932		mg/L		93	80 - 120
Thallium	0.100	0.0956		mg/L		96	80 - 120

Lab Sample ID: 500-246814-1 MS

Matrix: Water

Analysis Batch: 759098

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.514	^1+	mg/L		103	75 - 125
Arsenic	<0.0010		0.100	0.0958		mg/L		96	75 - 125
Barium	0.049		0.500	0.523		mg/L		95	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0495	^1+	mg/L		99	75 - 125
Boron	1.3		1.00	2.17		mg/L		87	75 - 125
Cadmium	<0.00050		0.0500	0.0513		mg/L		103	75 - 125
Calcium	63		10.0	67.4	4	mg/L		46	75 - 125
Chromium	<0.0050		0.200	0.195		mg/L		97	75 - 125
Cobalt	0.0011		0.500	0.491		mg/L		98	75 - 125

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: 500-246814-1 MS

Matrix: Water

Analysis Batch: 759098

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.00050		0.100	0.0981		mg/L		98	75 - 125
Lithium	0.042		0.100	0.134		mg/L		92	75 - 125
Molybdenum	0.016		1.00	0.975		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.0942		mg/L		94	75 - 125
Thallium	<0.0020		0.100	0.0963		mg/L		96	75 - 125

Lab Sample ID: 500-246814-1 MSD

Matrix: Water

Analysis Batch: 759098

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030	^1+	0.500	0.503	^1+	mg/L		101	75 - 125	2	20
Arsenic	<0.0010		0.100	0.0935		mg/L		93	75 - 125	2	20
Barium	0.049		0.500	0.514		mg/L		93	75 - 125	2	20
Beryllium	<0.0010	^1+	0.0500	0.0487	^1+	mg/L		97	75 - 125	2	20
Boron	1.3		1.00	2.19		mg/L		89	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0502		mg/L		100	75 - 125	2	20
Calcium	63		10.0	67.3	4	mg/L		45	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	0	20
Cobalt	0.0011		0.500	0.488		mg/L		97	75 - 125	1	20
Lead	<0.00050		0.100	0.0951		mg/L		95	75 - 125	3	20
Lithium	0.042		0.100	0.134		mg/L		92	75 - 125	0	20
Molybdenum	0.016		1.00	0.959		mg/L		94	75 - 125	2	20
Selenium	<0.0025		0.100	0.0927		mg/L		93	75 - 125	2	20
Thallium	<0.0020		0.100	0.0937		mg/L		94	75 - 125	3	20

Lab Sample ID: 500-246814-1 DU

Matrix: Water

Analysis Batch: 759098

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 757455

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.049		0.0473		mg/L		3	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Boron	1.3		1.25		mg/L		4	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	63		59.0		mg/L		6	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	0.0011		0.00100		mg/L		6	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.042		0.0396		mg/L		7	20
Molybdenum	0.016		0.0152		mg/L		6	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: MB 500-758164/1-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 758164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/13/24 16:54	03/19/24 14:17	1
Arsenic	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Barium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:17	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Boron	0.0515		0.050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Cadmium	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Calcium	<0.20		0.20		mg/L		03/13/24 16:54	03/19/24 14:17	1
Chromium	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Cobalt	<0.0010		0.0010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Lead	<0.00050		0.00050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Lithium	<0.010		0.010		mg/L		03/13/24 16:54	03/19/24 14:17	1
Molybdenum	<0.0050		0.0050		mg/L		03/13/24 16:54	03/19/24 14:17	1
Selenium	<0.0025		0.0025		mg/L		03/13/24 16:54	03/19/24 14:17	1
Thallium	<0.0020		0.0020		mg/L		03/13/24 16:54	03/19/24 14:17	1

Lab Sample ID: MB 500-758164/1-A

Matrix: Water

Analysis Batch: 759520

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 758164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		03/13/24 16:54	03/21/24 16:21	1

Lab Sample ID: LCS 500-758164/2-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 758164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.510	^1+	mg/L		102	80 - 120
Arsenic	0.100	0.0936		mg/L		94	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Beryllium	0.0500	0.0514	^1+	mg/L		103	80 - 120
Boron	1.00	1.08		mg/L		108	80 - 120
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	10.0	10.9		mg/L		109	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Cobalt	0.500	0.512		mg/L		102	80 - 120
Lead	0.100	0.0989		mg/L		99	80 - 120
Lithium	0.100	0.103		mg/L		103	80 - 120
Molybdenum	1.00	0.944		mg/L		94	80 - 120
Selenium	0.100	0.0979		mg/L		98	80 - 120
Thallium	0.100	0.0983		mg/L		98	80 - 120

Lab Sample ID: LCS 500-758164/2-A

Matrix: Water

Analysis Batch: 759520

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 758164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.954		mg/L		95	80 - 120

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: 500-246814-14 MS

Matrix: Water

Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.511	^1+	mg/L		102	75 - 125
Arsenic	0.0039		0.100	0.0972		mg/L		93	75 - 125
Barium	0.052		0.500	0.513		mg/L		92	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0454	^1+	mg/L		91	75 - 125
Boron	5.1	B	1.00	5.79	4	mg/L		67	75 - 125
Cadmium	<0.00050		0.0500	0.0509		mg/L		102	75 - 125
Calcium	110		10.0	116	4	mg/L		13	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		96	75 - 125
Cobalt	<0.0010		0.500	0.485		mg/L		97	75 - 125
Lead	0.0014		0.100	0.0976		mg/L		96	75 - 125
Lithium	0.065		0.100	0.156		mg/L		91	75 - 125
Molybdenum	0.62		1.00	1.55		mg/L		93	75 - 125
Selenium	<0.0025		0.100	0.0945		mg/L		94	75 - 125
Thallium	<0.0020		0.100	0.0944		mg/L		94	75 - 125

Lab Sample ID: 500-246814-14 MSD

Matrix: Water

Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Antimony	<0.0030	^1+	0.500	0.538	^1+	mg/L		108	75 - 125	5	20
Arsenic	0.0039		0.100	0.101		mg/L		97	75 - 125	4	20
Barium	0.052		0.500	0.522		mg/L		94	75 - 125	2	20
Beryllium	<0.0010	^1+	0.0500	0.0457	^1+	mg/L		91	75 - 125	1	20
Boron	5.1	B	1.00	5.95	4	mg/L		83	75 - 125	3	20
Cadmium	<0.00050		0.0500	0.0529		mg/L		106	75 - 125	4	20
Calcium	110		10.0	119	4	mg/L		36	75 - 125	2	20
Chromium	<0.0050		0.200	0.200		mg/L		99	75 - 125	3	20
Cobalt	<0.0010		0.500	0.500		mg/L		100	75 - 125	3	20
Lead	0.0014		0.100	0.102		mg/L		100	75 - 125	4	20
Lithium	0.065		0.100	0.161		mg/L		96	75 - 125	3	20
Molybdenum	0.62		1.00	1.62		mg/L		99	75 - 125	4	20
Selenium	<0.0025		0.100	0.0965		mg/L		97	75 - 125	2	20
Thallium	<0.0020		0.100	0.0951		mg/L		95	75 - 125	1	20

Lab Sample ID: 500-246814-14 DU

Matrix: Water

Analysis Batch: 759098

Client Sample ID: T09S
Prep Type: Total Recoverable
Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	0.0039		0.00397		mg/L		3	20
Barium	0.052		0.0520		mg/L		0.1	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Boron	5.1	B	4.82		mg/L		6	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	110		111		mg/L		4	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: 500-246814-14 DU

Matrix: Water

Analysis Batch: 759098

Client Sample ID: T09S

Prep Type: Total Recoverable

Prep Batch: 758164

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	0.0014		0.00147		mg/L		7	20
Lithium	0.065		0.0599		mg/L		9	20
Molybdenum	0.62		0.624		mg/L		0	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-758383/1-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 758383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		03/14/24 16:54	03/19/24 15:53	1
Arsenic	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Barium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 15:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Cadmium	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Calcium	<0.20		0.20		mg/L		03/14/24 16:54	03/19/24 15:53	1
Chromium	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Cobalt	<0.0010		0.0010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Lead	<0.00050		0.00050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Lithium	<0.010		0.010		mg/L		03/14/24 16:54	03/19/24 15:53	1
Molybdenum	<0.0050		0.0050		mg/L		03/14/24 16:54	03/19/24 15:53	1
Selenium	<0.0025		0.0025		mg/L		03/14/24 16:54	03/19/24 15:53	1
Thallium	<0.0020		0.0020		mg/L		03/14/24 16:54	03/19/24 15:53	1

Lab Sample ID: MB 500-758383/1-A

Matrix: Water

Analysis Batch: 759520

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 758383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		03/14/24 16:54	03/21/24 16:35	1

Lab Sample ID: LCS 500-758383/2-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 758383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.517	^1+	mg/L		103	80 - 120
Arsenic	0.100	0.0919		mg/L		92	80 - 120
Barium	0.500	0.474		mg/L		95	80 - 120
Beryllium	0.0500	0.0538	^1+	mg/L		108	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	10.0	10.6		mg/L		106	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Cobalt	0.500	0.519		mg/L		104	80 - 120
Lead	0.100	0.0979		mg/L		98	80 - 120
Lithium	0.100	0.104		mg/L		104	80 - 120
Molybdenum	1.00	0.938		mg/L		94	80 - 120
Selenium	0.100	0.0988		mg/L		99	80 - 120

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: LCS 500-758383/2-A

Matrix: Water

Analysis Batch: 759098

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 758383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.0975		mg/L		97	80 - 120

Lab Sample ID: LCS 500-758383/2-A

Matrix: Water

Analysis Batch: 759520

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 758383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.01		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-758939/13-A

Matrix: Water

Analysis Batch: 759169

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 758939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/19/24 11:15	03/20/24 07:07	1

Lab Sample ID: LCS 500-758939/12-A

Matrix: Water

Analysis Batch: 759169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 758939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00200		mg/L		100	80 - 120

Lab Sample ID: MB 500-759146/12-A

Matrix: Water

Analysis Batch: 759390

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 759146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/20/24 10:50	03/21/24 08:00	1

Lab Sample ID: LCS 500-759146/13-A

Matrix: Water

Analysis Batch: 759390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 759146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00186		mg/L		93	80 - 120

Lab Sample ID: 500-246814-15 MS

Matrix: Water

Analysis Batch: 759390

Client Sample ID: T06S

Prep Type: Total/NA

Prep Batch: 759146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000902		mg/L		90	75 - 125

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: 500-246814-15 MSD
Matrix: Water
Analysis Batch: 759390

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 759146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000841		mg/L		84	75 - 125	7	20

Lab Sample ID: 500-246814-15 DU
Matrix: Water
Analysis Batch: 759390

Client Sample ID: T06S
Prep Type: Total/NA
Prep Batch: 759146

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 500-756625/1
Matrix: Water
Analysis Batch: 756625

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			03/03/24 23:42	1

Lab Sample ID: LCS 500-756625/2
Matrix: Water
Analysis Batch: 756625

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	226		mg/L		90	80 - 120

Lab Sample ID: MB 500-756990/1
Matrix: Water
Analysis Batch: 756990

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			03/06/24 02:42	1

Lab Sample ID: LCS 500-756990/2
Matrix: Water
Analysis Batch: 756990

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	246		mg/L		98	80 - 120

Lab Sample ID: 500-246814-3 MS
Matrix: Water
Analysis Batch: 756990

Client Sample ID: G31S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000		250	1230	4	mg/L		77	75 - 125

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: 500-246814-3 DU

Matrix: Water

Analysis Batch: 756990

Client Sample ID: G31S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1010		mg/L		2	5

Lab Sample ID: 500-246814-4 DU

Matrix: Water

Analysis Batch: 756990

Client Sample ID: G33S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	360		358		mg/L		0.6	5

Lab Sample ID: MB 500-757396/1

Matrix: Water

Analysis Batch: 757396

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			03/07/24 20:53	1

Lab Sample ID: LCS 500-757396/2

Matrix: Water

Analysis Batch: 757396

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	242		mg/L		97	80 - 120

Lab Sample ID: 500-246814-6 MS

Matrix: Water

Analysis Batch: 757396

Client Sample ID: T13S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	640		250	834		mg/L		76	75 - 125

Lab Sample ID: 500-246814-6 DU

Matrix: Water

Analysis Batch: 757396

Client Sample ID: T13S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	640		624		mg/L		3	5

Lab Sample ID: 500-246814-7 DU

Matrix: Water

Analysis Batch: 757396

Client Sample ID: T12S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	760		762		mg/L		0.3	5

Lab Sample ID: MB 500-757777/1

Matrix: Water

Analysis Batch: 757777

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			03/12/24 07:45	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: LCS 500-757777/2

Matrix: Water

Analysis Batch: 757777

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	266		mg/L		106	80 - 120

Lab Sample ID: 500-246814-14 MS

Matrix: Water

Analysis Batch: 757777

Client Sample ID: T09S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	820		250	1070		mg/L		102	75 - 125

Lab Sample ID: 500-246814-14 DU

Matrix: Water

Analysis Batch: 757777

Client Sample ID: T09S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	820		814		mg/L		0.5	5

Lab Sample ID: MB 500-758206/1

Matrix: Water

Analysis Batch: 758206

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			03/13/24 19:38	1

Lab Sample ID: LCS 500-758206/2

Matrix: Water

Analysis Batch: 758206

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	236		mg/L		94	80 - 120

Lab Sample ID: 500-246814-17 MS

Matrix: Water

Analysis Batch: 758206

Client Sample ID: T02S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	870		250	1150		mg/L		114	75 - 125

Lab Sample ID: 500-246814-17 DU

Matrix: Water

Analysis Batch: 758206

Client Sample ID: T02S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	870		908		mg/L		5	5

Lab Sample ID: 500-246814-18 DU

Matrix: Water

Analysis Batch: 758206

Client Sample ID: T03S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	890		912		mg/L		3	5

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-756599/23

Matrix: Water

Analysis Batch: 756599

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			03/03/24 11:51	1

Lab Sample ID: LCS 500-756599/24

Matrix: Water

Analysis Batch: 756599

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	20.4		mg/L		102	85 - 115

Lab Sample ID: MB 500-757549/16

Matrix: Water

Analysis Batch: 757549

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			03/10/24 11:24	1

Lab Sample ID: LCS 500-757549/17

Matrix: Water

Analysis Batch: 757549

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	20.6		mg/L		103	85 - 115

Lab Sample ID: MB 500-757698/16

Matrix: Water

Analysis Batch: 757698

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			03/11/24 13:37	1

Lab Sample ID: LCS 500-757698/17

Matrix: Water

Analysis Batch: 757698

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: 500-246814-5 MS

Matrix: Water

Analysis Batch: 757698

Client Sample ID: G47S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100		20.0	118	4	mg/L		88	75 - 125

Lab Sample ID: 500-246814-5 MSD

Matrix: Water

Analysis Batch: 757698

Client Sample ID: G47S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		20.0	117	4	mg/L		84	75 - 125	1	20

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-758128/16
Matrix: Water
Analysis Batch: 758128

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			03/13/24 12:51	1

Lab Sample ID: LCS 500-758128/17
Matrix: Water
Analysis Batch: 758128

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	20.3		mg/L		102	85 - 115

Lab Sample ID: MB 500-758381/65
Matrix: Water
Analysis Batch: 758381

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			03/14/24 13:54	1

Lab Sample ID: LCS 500-758381/66
Matrix: Water
Analysis Batch: 758381

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

Lab Sample ID: 500-246814-22 MS
Matrix: Water
Analysis Batch: 758381

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81		20.0	106	4	mg/L		121	75 - 125

Lab Sample ID: 500-246814-22 MSD
Matrix: Water
Analysis Batch: 758381

Client Sample ID: T08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81		20.0	105	4	mg/L		116	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-759436/3
Matrix: Water
Analysis Batch: 759436

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			03/21/24 12:30	1

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-759436/31
Matrix: Water
Analysis Batch: 759436

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			03/21/24 14:50	1

Lab Sample ID: LCS 500-759436/32
Matrix: Water
Analysis Batch: 759436

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: LCS 500-759436/4
Matrix: Water
Analysis Batch: 759436

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

Lab Sample ID: 500-246814-1 MS
Matrix: Water
Analysis Batch: 759436

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.79		5.00	5.87		mg/L		102	75 - 125

Lab Sample ID: 500-246814-1 MSD
Matrix: Water
Analysis Batch: 759436

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.79		5.00	5.82		mg/L		101	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-756601/16
Matrix: Water
Analysis Batch: 756601

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			03/03/24 14:13	1

Lab Sample ID: LCS 500-756601/17
Matrix: Water
Analysis Batch: 756601

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	21.4		mg/L		107	88 - 123

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

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

Lab Sample ID: MB 500-757667/16

Matrix: Water

Analysis Batch: 757667

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			03/11/24 12:07	1

Lab Sample ID: LCS 500-757667/17

Matrix: Water

Analysis Batch: 757667

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

Lab Sample ID: 500-246814-8 MS

Matrix: Water

Analysis Batch: 757667

Client Sample ID: G44S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	150		20.0	169	4	mg/L		76	75 - 125

Lab Sample ID: 500-246814-8 MSD

Matrix: Water

Analysis Batch: 757667

Client Sample ID: G44S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	150		20.0	169	4	mg/L		75	75 - 125	0	20

Lab Sample ID: MB 500-758155/16

Matrix: Water

Analysis Batch: 758155

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			03/13/24 15:01	1

Lab Sample ID: LCS 500-758155/17

Matrix: Water

Analysis Batch: 758155

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	21.1		mg/L		106	88 - 123

Lab Sample ID: 500-246814-16 MS

Matrix: Water

Analysis Batch: 758155

Client Sample ID: T05S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	590		20.0	601	4	mg/L		69	75 - 125

Lab Sample ID: 500-246814-16 MSD

Matrix: Water

Analysis Batch: 758155

Client Sample ID: T05S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	590		20.0	592	4	mg/L		25	75 - 125	1	20

Eurofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-758617/16
Matrix: Water
Analysis Batch: 758617

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			03/17/24 11:32	1

Lab Sample ID: LCS 500-758617/17
Matrix: Water
Analysis Batch: 758617

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: 500-246814-23 MS
Matrix: Water
Analysis Batch: 758617

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	210		20.0	227	4	mg/L		73	75 - 125

Lab Sample ID: 500-246814-23 MSD
Matrix: Water
Analysis Batch: 758617

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	210		20.0	223	4	mg/L		56	75 - 125	2	20

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Chain of Custody Record

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Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-1

Login Number: 246814

List Source: Eurofins Chicago

List Number: 1

Creator: Scott, Sherri L

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	1.6,4.0,2.3,2.2,3.5,2.6,4.9
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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G20S

Date Collected: 02/29/24 09:44

Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:35
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 ¹
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:45
Total/NA	Analysis	SM 2540C		1	756625	CLB	EET CHI	03/04/24 00:08
Total/NA	Analysis	SM 4500 CI- E		1	756599	TR	EET CHI	03/03/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 12:39
Total/NA	Analysis	SM 4500 SO4 E		2	756601	TR	EET CHI	03/03/24 14:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	02/29/24 09:44

Client Sample ID: R08S

Date Collected: 02/29/24 13:27

Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:54
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 ¹
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:51
Total/NA	Analysis	SM 2540C		1	756625	CLB	EET CHI	03/04/24 00:10
Total/NA	Analysis	SM 4500 CI- E		2	756599	TR	EET CHI	03/03/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 12:57
Total/NA	Analysis	SM 4500 SO4 E		10	756601	TR	EET CHI	03/03/24 14:39
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	02/29/24 13:27

Client Sample ID: G31S

Date Collected: 03/04/24 11:19

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 12:58
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 ¹
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:54
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 02:52
Total/NA	Analysis	SM 4500 CI- E		5	757549	TR	EET CHI	03/10/24 11:51
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:03
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:30
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 11:19

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G33S

Date Collected: 03/04/24 12:06

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:02
Total/NA	Prep	7470A			758939	MJG	EET CHI	03/19/24 11:15 - 03/19/24 13:15 ¹
Total/NA	Analysis	7470A		1	759169	MJG	EET CHI	03/20/24 07:56
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 03:00
Total/NA	Analysis	SM 4500 CI- E		1	757549	TR	EET CHI	03/10/24 11:25
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:08
Total/NA	Analysis	SM 4500 SO4 E		2	757667	TR	EET CHI	03/11/24 12:30
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 12:06

Client Sample ID: G47S

Date Collected: 03/04/24 13:26

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:05
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:04
Total/NA	Analysis	SM 2540C		1	756990	CLB	EET CHI	03/06/24 03:05
Total/NA	Analysis	SM 4500 CI- E		5	757698	TR	EET CHI	03/11/24 14:14
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:13
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:33
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/04/24 13:26

Client Sample ID: T13S

Date Collected: 03/06/24 09:39

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:09
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:10
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 20:58
Total/NA	Analysis	SM 4500 CI- E		1	757549	TR	EET CHI	03/10/24 11:27
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:18
Total/NA	Analysis	SM 4500 SO4 E		5	757667	TR	EET CHI	03/11/24 12:33
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 09:39

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T12S

Date Collected: 03/06/24 10:33

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:24
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:12
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:06
Total/NA	Analysis	SM 4500 CI- E		2	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:31
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:41
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 10:33

Client Sample ID: G44S

Date Collected: 03/06/24 11:20

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:28
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:15
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:11
Total/NA	Analysis	SM 4500 CI- E		2	757549	TR	EET CHI	03/10/24 11:53
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:36
Total/NA	Analysis	SM 4500 SO4 E		5	757667	TR	EET CHI	03/11/24 12:34
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 11:20

Client Sample ID: G39S

Date Collected: 03/06/24 12:51

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:32
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:17
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:13
Total/NA	Analysis	SM 4500 CI- E		1	757549	TR	EET CHI	03/10/24 11:25
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:41
Total/NA	Analysis	SM 4500 SO4 E		2	757667	TR	EET CHI	03/11/24 12:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 12:51

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G48S

Date Collected: 03/06/24 13:45

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:36
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:19
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:16
Total/NA	Analysis	SM 4500 CI- E		5	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:45
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:32
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/06/24 13:45

Client Sample ID: G30S

Date Collected: 03/07/24 09:28

Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:39
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:21
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:19
Total/NA	Analysis	SM 4500 CI- E		5	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:51
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:31
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 09:28

Client Sample ID: R32S

Date Collected: 03/07/24 11:47

Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:43
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:23
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:21
Total/NA	Analysis	SM 4500 CI- E		1	757549	TR	EET CHI	03/10/24 11:26
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 13:56
Total/NA	Analysis	SM 4500 SO4 E		10	757667	TR	EET CHI	03/11/24 12:31
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 11:47

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G46S

Date Collected: 03/07/24 13:19

Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757455	BDE	EET CHI	03/08/24 08:46 - 03/08/24 14:46 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:47
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:25
Total/NA	Analysis	SM 2540C		1	757396	CLB	EET CHI	03/07/24 21:24
Total/NA	Analysis	SM 4500 CI- E		2	757549	TR	EET CHI	03/10/24 11:52
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:02
Total/NA	Analysis	SM 4500 SO4 E		20	757667	TR	EET CHI	03/11/24 12:41
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/07/24 13:19

Client Sample ID: T09S

Date Collected: 03/11/24 10:03

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 13:58
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:27
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 07:50
Total/NA	Analysis	SM 4500 CI- E		2	758128	TR	EET CHI	03/13/24 13:26
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:06
Total/NA	Analysis	SM 4500 SO4 E		10	758155	TR	EET CHI	03/13/24 15:19
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 10:03

Client Sample ID: T06S

Date Collected: 03/11/24 11:31

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:36
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:29
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 07:57
Total/NA	Analysis	SM 4500 CI- E		1	758128	TR	EET CHI	03/13/24 12:53
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:12
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:37
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 11:31

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T05S

Date Collected: 03/11/24 13:22

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:40
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:46
Total/NA	Analysis	SM 2540C		1	757777	CLB	EET CHI	03/12/24 08:00
Total/NA	Analysis	SM 4500 CI- E		5	758128	TR	EET CHI	03/13/24 13:12
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:16
Total/NA	Analysis	SM 4500 SO4 E		20	758155	TR	EET CHI	03/13/24 15:38
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/11/24 13:22

Client Sample ID: T02S

Date Collected: 03/12/24 09:47

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:49
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:48
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:43
Total/NA	Analysis	SM 4500 CI- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:31
Total/NA	Analysis	SM 4500 SO4 E		10	758155	TR	EET CHI	03/13/24 15:37
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 09:47

Client Sample ID: T03S

Date Collected: 03/12/24 11:33

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 14:53
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:50
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:50
Total/NA	Analysis	SM 4500 CI- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:36
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:18
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 11:33

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: G45S

Date Collected: 03/12/24 12:27

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 15:15
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:28
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:52
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:56
Total/NA	Analysis	SM 4500 CI- E		5	758128	TR	EET CHI	03/13/24 13:11
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:40
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:18
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 12:27

Client Sample ID: G45S Dup

Date Collected: 03/12/24 12:27

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 15:19
Total Recoverable	Prep	3005A			758164	MC	EET CHI	03/13/24 16:54 - 03/13/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:31
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:54
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 19:58
Total/NA	Analysis	SM 4500 CI- E		5	758128	TR	EET CHI	03/13/24 13:10
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 14:45
Total/NA	Analysis	SM 4500 SO4 E		5	758155	TR	EET CHI	03/13/24 15:17
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/12/24 12:27

Client Sample ID: T01S

Date Collected: 03/13/24 09:58

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:00
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:46
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:56
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:01
Total/NA	Analysis	SM 4500 CI- E		5	758381	TR	EET CHI	03/14/24 14:22
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:01

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR 1Q24

Job ID: 500-246814-1

Client Sample ID: T01S

Date Collected: 03/13/24 09:58

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-21

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	758617	TR	EET CHI	03/17/24 12:00
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 09:58

Client Sample ID: T08S

Date Collected: 03/13/24 12:02

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:04
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		10	759520	RN	EET CHI	03/21/24 16:50
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 08:58
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:03
Total/NA	Analysis	SM 4500 Cl- E		2	758381	TR	EET CHI	03/14/24 14:22
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:07
Total/NA	Analysis	SM 4500 SO4 E		10	758617	TR	EET CHI	03/17/24 12:00
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 12:02

Client Sample ID: T11S

Date Collected: 03/13/24 13:45

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759098	RN	EET CHI	03/19/24 16:14
Total Recoverable	Prep	3005A			758383	MC	EET CHI	03/14/24 16:54 - 03/14/24 22:54 ¹
Total Recoverable	Analysis	6020B		1	759520	RN	EET CHI	03/21/24 16:54
Total/NA	Prep	7470A			759146	MJG	EET CHI	03/20/24 10:50 - 03/20/24 12:50 ¹
Total/NA	Analysis	7470A		1	759390	MJG	EET CHI	03/21/24 09:05
Total/NA	Analysis	SM 2540C		1	758206	CLB	EET CHI	03/13/24 20:06
Total/NA	Analysis	SM 4500 Cl- E		1	758381	TR	EET CHI	03/14/24 13:55
Total/NA	Analysis	SM 4500 F C		1	759436	SO	EET CHI	03/21/24 15:13
Total/NA	Analysis	SM 4500 SO4 E		5	758617	TR	EET CHI	03/17/24 11:50
Total/NA	Analysis	Field Sampling		1	757183	JVB	EET CHI	03/13/24 13:45

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



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 02/29/24 Start Purge: 0926 End Purge: 0944
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.64 7.61 7.61 (std.)
Ref. Measuring Pt. TIC SC 684 692 692 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 10.74 10.62 10.62 (°C)
Water Level 52.83 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 528.04 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 29°F, Sunny, S winds e 0-5 mph
Turbidity: 4.18 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 52.83 - 2.78 = 50.05 (ft.)
Levels were taken on 02/29/24 @ 0920

(Updated: 07/14/2022)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814.2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 02/29/24 Start Purge: 13:12 End Purge: 1327
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.94 7.96 7.96 (std.)
Ref. Measuring Pt. TIC SC 1013 1016 1016 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 12.18 12.18 12.18 (°C)
Water Level 73.24 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.42 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 41°F, Sunny, S winds @ 5-10 mph
Turbidity: 0.64 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 73.24 - 2.55 = 70.69 (ft.)
Levels were taken on 02/29/24 @ 1307

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814.3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1059 End Purge: 1119
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.31 7.27 7.27 (std.)
Ref. Measuring Pt. TIC SC 1550 1550 1550 (umhos/cm)
Well Elevation *535.73 (ft./msl) Temp. 14.14 14.16 14.16 (°C)
Water Level 31.23 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.50 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 67°F, Cloudy, S winds e 5-10 mph
Turbidity: 1.36 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 31.23 - 2.58 = 28.65 (ft)
Levels were taken on 03/04/24 @ 1054

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-4

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)(N)
Sampling _____ Bladder Pump _____ Dedicated (Y)(N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1148 End Purge: 1206
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.32 7.33 7.33 (std.)
Ref. Measuring Pt. TIC SC 694 693 693 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 13.76 13.72 13.72 (°C)
Water Level 38.78 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 496.89 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 65°F, Cloudy, S winds e 5-10 mph
Turbidity: 83.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 38.78 - 1.73 = 37.05 (ft)
Levels were taken on 03/04/24 @ 1143

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-5

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1306 End Purge: 1326
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 8.47 8.49 8.49 (std.)
Ref. Measuring Pt. TIC SC 1600 1590 1590 (umhos/cm)
Well Elevation *612.23 (ft./msl) Temp. 13.86 13.85 13.85 (°C)
Water Level 94.73 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 511.50 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 66°F, Cloudy, S winds e 5-10 mph
Turbidity: 0.74 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.73 - 2.50 = 92.23 (ft.)
Levels were taken on 03/04/24 @ 1301

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-10

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 0925 End Purge: 0939
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.41 7.43 7.43 (std.)
Ref. Measuring Pt. TIC SC 896 891 891 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 12.47 12.42 12.42 (°C)
Water Level 19.98 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.35 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 44°F, Sunny, NE winds @ 5-10 mph
Turbidity: 33.10 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 19.98 - 2.76 = 17.22 (ft.)
Levels were taken on 03/06/24 @ 0920
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-7

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1019 End Purge: 1033
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.57 7.58 7.58 (std.)
Ref. Measuring Pt. TIC SC 1010 1007 1007 (umhos/cm)
Well Elevation * 578.74 (ft./msl) Temp. 12.06 12.05 12.05 (°C)
Water Level 75.00 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.74 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

COMMENTS

Sample Appearance/Odor: p.c. & Colorless, slight Turbidity, No Odor
Weather Conditions: 46°F, Cloudy, NE winds @ 5-10 mph
Turbidity: 38.80 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 75.00 - 2.74 = 72.26 (ft)
Levels were taken on 03/06/24 @ 1014
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-240814-8

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1104 End Purge: 1120
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.32 7.29 7.29 (std.)
Ref. Measuring Pt. TIC SC 1103 1097 1097 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 13.19 13.58 13.58 (°C)
Water Level 83.61 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.07 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 46°F, Mostly Cloudy, NE winds e 5-10 mph
Turbidity: 6.71 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 83.61 - 2.18 = 81.43 (ft.)
Levels were taken on 03/06/24 @ 1059

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1234 End Purge: 1251
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.88

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 6.97 7.00 7.00 (std.)
Ref. Measuring Pt. TIC SC 718 727 727 (umhos/cm)
Well Elevation *598.75 (ft./msl) Temp. 11.52 11.55 11.55 (°C)
Water Level 97.20 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.55 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 48°F, Sunny, NE winds e 5-10 mph
Turbidity 10.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 97.20 - 2.08 = 95.12 (ft.)
Levels were taken on 03/06/24 @ 1229

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1323 End Purge: 1345
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.14

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 8.05 8.06 8.06 (std.)
Ref. Measuring Pt. TIC SC 1424 1417 1417 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 14.63 14.57 14.57 (°C)
Water Level 103.50 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 517.27 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 48°F, Sunny, NE winds 5-10 mph
Turbidity: 1.08 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 103.50 - 2.45 = 101.05 ft.
Levels were taken on 03/06/24 @ 1318

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-11

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 0910 End Purge: 0928
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.80 7.78 7.78 (std.)
Ref. Measuring Pt. TIC SC 1,780 1,780 1,780 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 8.45 8.43 8.43 (°C)
Water Level 1.83 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.03 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 41°F, Cloudy, E winds @ 0-5 mph
Turbidity: 4.14 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.83 - 2.31 = -0.48 (ft)
Levels were taken on 03/07/24 @ 0905

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-12

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 1128 End Purge: 1147
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.44 7.41 7.41 (std.)
Ref. Measuring Pt. TIC SC 788 807 807 (umhos/cm)
Well Elevation *536.97 (ft./msl) Temp. 11.78 11.73 11.73 (°C)
Water Level 23.56 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 513.41 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 43°F, Cloudy, SE winds e 0-5 mph
Turbidity: 0.83 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 23.56 - 2.03 = 21.53 (ft.)
Levels were taken on 03/07/24 @ 1123
* well ^{usually} purges for 14 seconds every 30 seconds. well will only purge for 6 seconds every 30 seconds. Pump in well may be faulty.
(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24814-13

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 1303 End Purge: 1319
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.35 7.36 7.36 (std.)
Ref. Measuring Pt. TIC SC 1300 1300 1300 (umhos/cm)
Well Elevation *601.41 (ft./msl) Temp. 11.87 11.88 11.88 (°C)
Water Level 111.20 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 490.21 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 49°F, Cloudy, SE winds e 0-5 mph
Turbidity: 71.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 111.20 - 2.70 = 108.50 (ft.)
Levels were taken on 03/07/24 @ 1258

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-242814-14

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 0945 End Purge: 1003
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.45 7.46 7.46 (std.)
Ref. Measuring Pt. TIC SC 1170 1171 1171 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 7.91 7.90 7.90 (°C)
Water Level 110.52 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.96 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, High Turbidity, No Odor
Weather Conditions: 42°F, Sunny, SW winds e 5-10 mph
Turbidity: 326 NTU

Other: *Reference Measurement (updated 02/19/14)

Depth To Water from L.S. = 110.52 - 2.40 = 108.12 (ft)

Levels were taken on 03/20/24 @ 0930
M.L.

* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-15

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 1108 End Purge: 1131
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.33 7.33 7.33 (std.)
Ref. Measuring Pt. TIC SC 777 775 775 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 13.76 13.79 13.79 (°C)
Water Level 117.15 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.90 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 51°F, Sunny, SW winds @ 5-10 mph
Turbidity: 7.31 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 117.15 - 2.30 = 114.85 (ft.)
Levels were taken on 03/11/24 @ 1053
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 1305 End Purge: 1322
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 10.01 10.02 10.02 (std.)
Ref. Measuring Pt. TIC SC 2260 2260 2260 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 17.46 17.43 17.43 (°C)
Water Level 123.42 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.08 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 61°F, Sunny, SW winds @ 5-10 mph
Turbidity: 2.04 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 123.42 - 2.40 = 121.02 (ft)
Levels were taken on 03/11/24 @ 1250
* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 0930 End Purge: 0947
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.83 7.79 7.79 (std.)
Ref. Measuring Pt. TIC SC 1316 1318 1318 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 12.45 12.49 12.49 (°C)
Water Level 134.25 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.87 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No odor
Weather Conditions: 52°F, Mostly Sunny, SW winds e 0-5 mph
Turbidity: 101 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 134.25 - 2.33 = 131.92 (ft.)
Levels were taken on 03/12/24 @ 0915
* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-242814-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (X/N)
Sampling _____ Bladder Pump _____ Dedicated (X/N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 1113 End Purge: 1133
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.52 7.50 7.50 (std.)
Ref. Measuring Pt. TIC SC 1,275 1,271 1,271 (umhos/cm)
Well Elevation * 629.85 (ft./msl) Temp. 12.38 12.41 12.41 (°C)
Water Level 138.41 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.44 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 59°F, Mostly Sunny, SW winds e 5-10 mph
Turbidity: 3.37 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 138.41 - 3.08 = 135.33 (ft)
Levels were taken on 03/12/24 @ 1108
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 1210 End Purge: 1227
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.10

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH 7.50 7.49 7.49 (std.)
Ref. Measuring Pt. TIC SC 936 941 941 (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. 14.40 14.43 14.43 (°C)
Water Level 64.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 539.21 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 62°F, Partly Sunny, JW winds e 5-10 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.59 - 2.97 = 61.62 (ft)
Levels were taken on 03/12/24 @ 1205

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ End Purge: _____
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24,814-21

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) _____
Sampling _____ Bladder Pump _____ Dedicated (Y/N) _____

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 0936 End Purge: 0958
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.50 7.53 7.53 (std.)
Ref. Measuring Pt. TIC SC 1363 1359 1359 (umhos/cm)
Well Elevation * 621.84 (ft./msl) Temp. 13.54 13.52 13.52 (°C)
Water Level 122.87 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 498.97 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight odor
Weather Conditions: 61°F, Sunny, SE winds 0-5 mph
Turbidity: 379 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.87 - 2.48 = 120.39 (ft.)
Levels were taken on 03/13/24 @ 0916
* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-22

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 1140 End Purge: 1202
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.89 8.91 8.91 (std.)
Ref. Measuring Pt. TIC SC 1404 1392 1392 (umhos/cm)
Well Elevation * 627.55 (ft./msl) Temp. 16.04 16.05 16.05 (°C)
Water Level 129.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 497.83 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 65°F, Sunny, SE winds @ 5-10 mph
Turbidity: 13.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 129.72 - 2.38 = 127.34 (ft.)
Levels were taken on 03/13/24 @ 1125
* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 1325 End Purge: 1345
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.68 7.63 7.63 (std.)
Ref. Measuring Pt. TIC SC 918 922 922 (umhos/cm)
Well Elevation * 559.48 (ft./msl) Temp. 17.06 17.06 17.06 (°C)
Water Level 68.15 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.33 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 70°F, Fair, SE winds @ 0-5 mph
Turbidity 66.20 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 68.15 - 2.74 = 65.41 (ft.)
Levels were taken on 03/13/24 @ 1310
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

ANALYTICAL REPORT

PREPARED FOR

Attn: John Niedzwiecki
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 4/10/2024 3:45:53 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR (RAD) 1Q24

JOB NUMBER

500-246814-2

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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Authorized for release by
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Case Narrative

Client: Midwest Generation EME LLC
Project: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Job ID: 500-246814-2

Eurofins Chicago

Job Narrative 500-246814-2

Receipt

The samples were received on 2/29/2024 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.6° C, 2.2° C, 2.3° C, 2.6° C, 3.5° C, 4.0° C and 4.9° C.

RAD

Method 903.0: Radium-226 prep batch 160-651627:

The Ba carrier recovery was outside the upper control limit. The high carrier outside the upper control limit was isolated to the laboratory control sample. The method blank passed all QC criteria, demonstrating proper method and instrument performance. The samples in the batch have been truncated to minimize any potential bias a high carrier recovery may have on the results. (LCS 160-651627/2-A)

Method 904.0: Radium-228 prep batch 160-650660:

The Ba Carrier recovery is outside the upper control limit (110%) for the following sample: (380-84844-A-1-B) The LCS (laboratory control sample) has an acceptable spike recovery demonstrating acceptable sample preparation and instrument performance. The sample have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported.

Methods 904.0, 9320: Radium-228 prep batch 160-651153:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: G33S (500-246814-4) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-651629:

The Ba carrier recovery was outside the upper control limit. The high carrier outside the upper control limit was isolated to the laboratory control sample. The method blank passed all QC criteria, demonstrating proper method and instrument performance. The samples in the batch have been truncated to minimize any potential bias a high carrier recovery may have on the results. T13S (500-246814-6), T12S (500-246814-7), G44S (500-246814-8), G39S (500-246814-9), G48S (500-246814-10), (LCS 160-651629/2-A), (MB 160-651629/1-A), (280-188371-A-7-C), (280-188371-B-7-B MS) and (280-188371-A-7-D MSD)

Method 904.0: Radium-228 prep batch 160-652388:

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: T09S (500-246814-14) and T02S (500-246814-17) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-652684:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: T01S (500-246814-21) . 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.

Eurofins Chicago

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246814-1	G20S	Water	02/29/24 09:44	02/29/24 14:44
500-246814-2	R08S	Water	02/29/24 13:27	02/29/24 14:44
500-246814-3	G31S	Water	03/04/24 11:19	03/04/24 14:55
500-246814-4	G33S	Water	03/04/24 12:06	03/04/24 14:55
500-246814-5	G47S	Water	03/04/24 13:26	03/04/24 14:55
500-246814-6	T13S	Water	03/06/24 09:39	03/06/24 15:22
500-246814-7	T12S	Water	03/06/24 10:33	03/06/24 15:22
500-246814-8	G44S	Water	03/06/24 11:20	03/06/24 15:22
500-246814-9	G39S	Water	03/06/24 12:51	03/06/24 15:22
500-246814-10	G48S	Water	03/06/24 13:45	03/06/24 15:22
500-246814-11	G30S	Water	03/07/24 09:28	03/07/24 14:40
500-246814-12	R32S	Water	03/07/24 11:47	03/07/24 14:40
500-246814-13	G46S	Water	03/07/24 13:19	03/07/24 14:40
500-246814-14	T09S	Water	03/11/24 10:03	03/11/24 15:25
500-246814-15	T06S	Water	03/11/24 11:31	03/11/24 15:25
500-246814-16	T05S	Water	03/11/24 13:22	03/11/24 15:25
500-246814-17	T02S	Water	03/12/24 09:47	03/12/24 14:05
500-246814-18	T03S	Water	03/12/24 11:33	03/12/24 14:05
500-246814-19	G45S	Water	03/12/24 12:27	03/12/24 14:05
500-246814-20	G45S Dup	Water	03/12/24 12:27	03/12/24 14:05
500-246814-21	T01S	Water	03/13/24 09:58	03/13/24 15:32
500-246814-22	T08S	Water	03/13/24 12:02	03/13/24 15:32
500-246814-23	T11S	Water	03/13/24 13:45	03/13/24 15:32

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G20S

Lab Sample ID: 500-246814-1

Date Collected: 02/29/24 09:44

Matrix: Water

Date Received: 02/29/24 14:44

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	1.04		0.267	0.283	1.00	0.212	pCi/L	03/04/24 07:13	03/26/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/04/24 07:13	03/26/24 15:10	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	1.47		0.407	0.429	1.00	0.432	pCi/L	03/04/24 07:35	03/25/24 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/04/24 07:35	03/25/24 12:38	1
Y Carrier	83.7		30 - 110					03/04/24 07:35	03/25/24 12:38	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	2.51		0.487	0.514	5.00	0.432	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: R08S

Lab Sample ID: 500-246814-2

Date Collected: 02/29/24 13:27

Matrix: Water

Date Received: 02/29/24 14:44

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	0.566		0.198	0.204	1.00	0.178	pCi/L	03/04/24 07:13	03/26/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110					03/04/24 07:13	03/26/24 15:10	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		0.400	0.419	1.00	0.461	pCi/L	03/04/24 07:35	03/25/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110					03/04/24 07:35	03/25/24 12:37	1
Y Carrier	86.7		30 - 110					03/04/24 07:35	03/25/24 12:37	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	1.91		0.446	0.466	5.00	0.461	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G31S

Lab Sample ID: 500-246814-3

Date Collected: 03/04/24 11:19

Matrix: Water

Date Received: 03/04/24 14:55

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	1.69		0.304	0.340	1.00	0.145	pCi/L	03/06/24 07:11	03/28/24 09:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					03/06/24 07:11	03/28/24 09:27	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	1.19		0.500	0.512	1.00	0.691	pCi/L	03/06/24 07:32	03/26/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					03/06/24 07:32	03/26/24 12:28	1
Y Carrier	84.9		30 - 110					03/06/24 07:32	03/26/24 12:28	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	2.88		0.585	0.615	5.00	0.691	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G33S

Lab Sample ID: 500-246814-4

Date Collected: 03/04/24 12:06

Matrix: Water

Date Received: 03/04/24 14:55

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		0.225	0.228	1.00	0.286	pCi/L	03/06/24 07:11	03/28/24 09:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.6		30 - 110					03/06/24 07:11	03/28/24 09:27	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	-0.213	U G	0.543	0.543	1.00	1.05	pCi/L	03/06/24 07:32	03/26/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.6		30 - 110					03/06/24 07:32	03/26/24 12:20	1
Y Carrier	81.5		30 - 110					03/06/24 07:32	03/26/24 12:20	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	0.163	U	0.588	0.589	5.00	1.05	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G47S

Lab Sample ID: 500-246814-5

Date Collected: 03/04/24 13:26

Matrix: Water

Date Received: 03/04/24 14:55

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		0.193	0.197	1.00	0.236	pCi/L	03/06/24 07:11	03/28/24 13:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					03/06/24 07:11	03/28/24 13:28	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	0.369	U	0.331	0.333	1.00	0.524	pCi/L	03/06/24 07:32	03/26/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					03/06/24 07:32	03/26/24 12:21	1
Y Carrier	83.0		30 - 110					03/06/24 07:32	03/26/24 12:21	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	0.792		0.383	0.387	5.00	0.524	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T13S

Lab Sample ID: 500-246814-6

Date Collected: 03/06/24 09:39

Matrix: Water

Date Received: 03/06/24 15:22

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	0.532		0.190	0.196	1.00	0.203	pCi/L	03/08/24 09:18	04/01/24 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					03/08/24 09:18	04/01/24 17:46	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	0.762		0.449	0.455	1.00	0.650	pCi/L	03/08/24 09:27	03/28/24 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					03/08/24 09:27	03/28/24 11:48	1
Y Carrier	82.6		30 - 110					03/08/24 09:27	03/28/24 11:48	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	1.29		0.488	0.495	5.00	0.650	pCi/L		04/10/24 13:19	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T12S

Lab Sample ID: 500-246814-7

Date Collected: 03/06/24 10:33

Matrix: Water

Date Received: 03/06/24 15:22

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	0.936		0.243	0.258	1.00	0.185	pCi/L	03/08/24 09:18	04/01/24 17:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					03/08/24 09:18	04/01/24 17:46	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	0.131	U	0.386	0.386	1.00	0.692	pCi/L	03/08/24 09:27	03/28/24 11:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					03/08/24 09:27	03/28/24 11:48	1
Y Carrier	88.2		30 - 110					03/08/24 09:27	03/28/24 11:48	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		0.456	0.464	5.00	0.692	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G44S

Lab Sample ID: 500-246814-8

Date Collected: 03/06/24 11:20

Matrix: Water

Date Received: 03/06/24 15:22

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	0.666		0.169	0.179	1.00	0.122	pCi/L	03/08/24 09:18	04/01/24 17:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					03/08/24 09:18	04/01/24 17:47	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	0.207	U	0.308	0.308	1.00	0.520	pCi/L	03/08/24 09:27	03/28/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					03/08/24 09:27	03/28/24 11:49	1
Y Carrier	86.7		30 - 110					03/08/24 09:27	03/28/24 11:49	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	0.873		0.351	0.356	5.00	0.520	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G39S

Lab Sample ID: 500-246814-9

Date Collected: 03/06/24 12:51

Matrix: Water

Date Received: 03/06/24 15:22

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	0.488		0.144	0.150	1.00	0.117	pCi/L	03/08/24 09:18	04/01/24 17:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/08/24 09:18	04/01/24 17:47	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	0.387	U	0.315	0.317	1.00	0.491	pCi/L	03/08/24 09:27	03/28/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/08/24 09:27	03/28/24 11:49	1
Y Carrier	88.2		30 - 110					03/08/24 09:27	03/28/24 11:49	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	0.875		0.346	0.351	5.00	0.491	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G48S

Lab Sample ID: 500-246814-10

Date Collected: 03/06/24 13:45

Matrix: Water

Date Received: 03/06/24 15:22

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	0.789		0.180	0.194	1.00	0.125	pCi/L	03/08/24 09:18	04/01/24 17:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/08/24 09:18	04/01/24 17:47	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	0.362	U	0.312	0.314	1.00	0.489	pCi/L	03/08/24 09:27	03/28/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					03/08/24 09:27	03/28/24 11:49	1
Y Carrier	83.7		30 - 110					03/08/24 09:27	03/28/24 11:49	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		0.360	0.369	5.00	0.489	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G30S

Lab Sample ID: 500-246814-11

Date Collected: 03/07/24 09:28

Matrix: Water

Date Received: 03/07/24 14:40

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	0.776		0.248	0.257	1.00	0.240	pCi/L	03/11/24 09:26	04/02/24 15:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.9		30 - 110					03/11/24 09:26	04/02/24 15:22	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	0.814		0.381	0.389	1.00	0.513	pCi/L	03/11/24 09:33	04/01/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.9		30 - 110					03/11/24 09:33	04/01/24 11:47	1
Y Carrier	77.0		30 - 110					03/11/24 09:33	04/01/24 11:47	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	1.59		0.455	0.466	5.00	0.513	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: R32S

Lab Sample ID: 500-246814-12

Date Collected: 03/07/24 11:47

Matrix: Water

Date Received: 03/07/24 14:40

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	0.779		0.238	0.248	1.00	0.219	pCi/L	03/11/24 09:26	04/02/24 15:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					03/11/24 09:26	04/02/24 15:22	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	0.337	U	0.301	0.302	1.00	0.472	pCi/L	03/11/24 09:33	04/01/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					03/11/24 09:33	04/01/24 11:47	1
Y Carrier	74.4		30 - 110					03/11/24 09:33	04/01/24 11:47	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	1.12		0.384	0.391	5.00	0.472	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G46S

Lab Sample ID: 500-246814-13

Date Collected: 03/07/24 13:19

Matrix: Water

Date Received: 03/07/24 14:40

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	0.928		0.271	0.284	1.00	0.253	pCi/L	03/11/24 09:26	04/02/24 15:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					03/11/24 09:26	04/02/24 15:23	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	1.17		0.405	0.419	1.00	0.485	pCi/L	03/11/24 09:33	04/01/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					03/11/24 09:33	04/01/24 11:47	1
Y Carrier	81.1		30 - 110					03/11/24 09:33	04/01/24 11:47	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	2.10		0.487	0.506	5.00	0.485	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T09S

Lab Sample ID: 500-246814-14

Date Collected: 03/11/24 10:03

Matrix: Water

Date Received: 03/11/24 15:25

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	2.11		0.414	0.455	1.00	0.255	pCi/L	03/14/24 09:54	04/07/24 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.0		30 - 110					03/14/24 09:54	04/07/24 14:29	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	G	0.819	0.833	1.00	1.11	pCi/L	03/14/24 09:59	04/03/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.0		30 - 110					03/14/24 09:59	04/03/24 11:52	1
Y Carrier	83.7		30 - 110					03/14/24 09:59	04/03/24 11:52	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	3.80		0.918	0.949	5.00	1.11	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T06S

Lab Sample ID: 500-246814-15

Date Collected: 03/11/24 11:31

Matrix: Water

Date Received: 03/11/24 15:25

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	1.04		0.227	0.246	1.00	0.164	pCi/L	03/14/24 09:54	04/07/24 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		30 - 110					03/14/24 09:54	04/07/24 14:29	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	0.684		0.377	0.382	1.00	0.535	pCi/L	03/14/24 09:59	04/03/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.9		30 - 110					03/14/24 09:59	04/03/24 11:52	1
Y Carrier	88.6		30 - 110					03/14/24 09:59	04/03/24 11:52	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	1.72		0.440	0.454	5.00	0.535	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T05S

Lab Sample ID: 500-246814-16

Date Collected: 03/11/24 13:22

Matrix: Water

Date Received: 03/11/24 15:25

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	0.174	U	0.128	0.129	1.00	0.176	pCi/L	03/14/24 09:54	04/07/24 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					03/14/24 09:54	04/07/24 14:29	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	-0.163	U	0.324	0.324	1.00	0.682	pCi/L	03/14/24 09:59	04/03/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					03/14/24 09:59	04/03/24 11:52	1
Y Carrier	85.2		30 - 110					03/14/24 09:59	04/03/24 11:52	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	0.0114	U	0.348	0.349	5.00	0.682	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T02S

Lab Sample ID: 500-246814-17

Date Collected: 03/12/24 09:47

Matrix: Water

Date Received: 03/12/24 14:05

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	1.02		0.324	0.337	1.00	0.300	pCi/L	03/14/24 09:54	04/07/24 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					03/14/24 09:54	04/07/24 14:29	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	0.449	U G	0.688	0.689	1.00	1.17	pCi/L	03/14/24 09:59	04/03/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					03/14/24 09:59	04/03/24 11:52	1
Y Carrier	82.2		30 - 110					03/14/24 09:59	04/03/24 11:52	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	1.47		0.760	0.767	5.00	1.17	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T03S

Lab Sample ID: 500-246814-18

Date Collected: 03/12/24 11:33

Matrix: Water

Date Received: 03/12/24 14:05

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	1.11		0.240	0.260	1.00	0.192	pCi/L	03/14/24 09:54	04/07/24 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					03/14/24 09:54	04/07/24 14:29	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	1.07		0.469	0.479	1.00	0.629	pCi/L	03/14/24 09:59	04/03/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					03/14/24 09:59	04/03/24 11:53	1
Y Carrier	83.0		30 - 110					03/14/24 09:59	04/03/24 11:53	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	2.18		0.527	0.545	5.00	0.629	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G45S

Lab Sample ID: 500-246814-19

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

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	1.33		0.233	0.262	1.00	0.129	pCi/L	03/14/24 09:54	04/08/24 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					03/14/24 09:54	04/08/24 13:02	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	1.13		0.429	0.442	1.00	0.519	pCi/L	03/14/24 09:59	04/03/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					03/14/24 09:59	04/03/24 11:53	1
Y Carrier	83.0		30 - 110					03/14/24 09:59	04/03/24 11:53	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	2.46		0.488	0.514	5.00	0.519	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G45S Dup

Lab Sample ID: 500-246814-20

Date Collected: 03/12/24 12:27

Matrix: Water

Date Received: 03/12/24 14:05

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	1.21		0.215	0.241	1.00	0.133	pCi/L	03/14/24 09:54	04/08/24 13:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					03/14/24 09:54	04/08/24 13:02	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	0.682		0.352	0.358	1.00	0.484	pCi/L	03/14/24 09:59	04/03/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					03/14/24 09:59	04/03/24 11:53	1
Y Carrier	89.7		30 - 110					03/14/24 09:59	04/03/24 11:53	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	1.89		0.412	0.432	5.00	0.484	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T01S

Lab Sample ID: 500-246814-21

Date Collected: 03/13/24 09:58

Matrix: Water

Date Received: 03/13/24 15:32

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	1.10		0.367	0.380	1.00	0.327	pCi/L	03/15/24 10:56	04/08/24 17:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.0		30 - 110					03/15/24 10:56	04/08/24 17:02	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	0.768	U G	0.968	0.970	1.00	1.61	pCi/L	03/15/24 11:13	04/05/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.0		30 - 110					03/15/24 11:13	04/05/24 11:54	1
Y Carrier	78.9		30 - 110					03/15/24 11:13	04/05/24 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	1.87		1.04	1.04	5.00	1.61	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T08S

Lab Sample ID: 500-246814-22

Date Collected: 03/13/24 12:02

Matrix: Water

Date Received: 03/13/24 15:32

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	0.278	U	0.198	0.199	1.00	0.289	pCi/L	03/15/24 10:56	04/08/24 17:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					03/15/24 10:56	04/08/24 17:02	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	1.32		0.624	0.636	1.00	0.851	pCi/L	03/15/24 11:13	04/05/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					03/15/24 11:13	04/05/24 11:54	1
Y Carrier	79.3		30 - 110					03/15/24 11:13	04/05/24 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	1.60		0.655	0.666	5.00	0.851	pCi/L		04/10/24 13:59	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T11S

Lab Sample ID: 500-246814-23

Date Collected: 03/13/24 13:45

Matrix: Water

Date Received: 03/13/24 15:32

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	0.491		0.163	0.169	1.00	0.148	pCi/L	03/15/24 10:56	04/08/24 17:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					03/15/24 10:56	04/08/24 17:30	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	0.561	U	0.475	0.478	1.00	0.752	pCi/L	03/15/24 11:13	04/05/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					03/15/24 11:13	04/05/24 11:55	1
Y Carrier	77.8		30 - 110					03/15/24 11:13	04/05/24 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	1.05		0.502	0.507	5.00	0.752	pCi/L		04/10/24 13:59	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Rad

Prep Batch: 650659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	PrecSep-21	
500-246814-2	R08S	Total/NA	Water	PrecSep-21	
MB 160-650659/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-650659/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 650660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-1	G20S	Total/NA	Water	PrecSep_0	
500-246814-2	R08S	Total/NA	Water	PrecSep_0	
MB 160-650660/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-650660/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	PrecSep-21	
500-246814-4	G33S	Total/NA	Water	PrecSep-21	
500-246814-5	G47S	Total/NA	Water	PrecSep-21	
MB 160-651151/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651151/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-3	G31S	Total/NA	Water	PrecSep_0	
500-246814-4	G33S	Total/NA	Water	PrecSep_0	
500-246814-5	G47S	Total/NA	Water	PrecSep_0	
MB 160-651153/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651153/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	PrecSep-21	
500-246814-7	T12S	Total/NA	Water	PrecSep-21	
500-246814-8	G44S	Total/NA	Water	PrecSep-21	
500-246814-9	G39S	Total/NA	Water	PrecSep-21	
500-246814-10	G48S	Total/NA	Water	PrecSep-21	
MB 160-651627/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651627/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-6	T13S	Total/NA	Water	PrecSep_0	
500-246814-7	T12S	Total/NA	Water	PrecSep_0	
500-246814-8	G44S	Total/NA	Water	PrecSep_0	
500-246814-9	G39S	Total/NA	Water	PrecSep_0	
500-246814-10	G48S	Total/NA	Water	PrecSep_0	
MB 160-651629/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651629/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 651901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-11	G30S	Total/NA	Water	PrecSep-21	

Eurofins Chicago

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Rad (Continued)

Prep Batch: 651901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-12	R32S	Total/NA	Water	PrecSep-21	
500-246814-13	G46S	Total/NA	Water	PrecSep-21	
MB 160-651901/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-651901/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 651904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-11	G30S	Total/NA	Water	PrecSep_0	
500-246814-12	R32S	Total/NA	Water	PrecSep_0	
500-246814-13	G46S	Total/NA	Water	PrecSep_0	
MB 160-651904/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-651904/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 652387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	PrecSep-21	
500-246814-15	T06S	Total/NA	Water	PrecSep-21	
500-246814-16	T05S	Total/NA	Water	PrecSep-21	
500-246814-17	T02S	Total/NA	Water	PrecSep-21	
500-246814-18	T03S	Total/NA	Water	PrecSep-21	
500-246814-19	G45S	Total/NA	Water	PrecSep-21	
500-246814-20	G45S Dup	Total/NA	Water	PrecSep-21	
MB 160-652387/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-652387/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 652388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-14	T09S	Total/NA	Water	PrecSep_0	
500-246814-15	T06S	Total/NA	Water	PrecSep_0	
500-246814-16	T05S	Total/NA	Water	PrecSep_0	
500-246814-17	T02S	Total/NA	Water	PrecSep_0	
500-246814-18	T03S	Total/NA	Water	PrecSep_0	
500-246814-19	G45S	Total/NA	Water	PrecSep_0	
500-246814-20	G45S Dup	Total/NA	Water	PrecSep_0	
MB 160-652388/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-652388/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 652682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	PrecSep-21	
500-246814-22	T08S	Total/NA	Water	PrecSep-21	
500-246814-23	T11S	Total/NA	Water	PrecSep-21	
LCS 160-652682/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-246814-22 DU	T08S	Total/NA	Water	PrecSep-21	

Prep Batch: 652684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246814-21	T01S	Total/NA	Water	PrecSep_0	
500-246814-22	T08S	Total/NA	Water	PrecSep_0	
500-246814-23	T11S	Total/NA	Water	PrecSep_0	
MB 160-652684/1-A	Method Blank	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Rad (Continued)

Prep Batch: 652684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-652684/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-246814-22 DU	T08S	Total/NA	Water	PrecSep_0	

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

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-650659/1-A

Matrix: Water

Analysis Batch: 653989

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650659

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.06851	U	0.0602	0.0605	1.00	0.193	pCi/L	03/04/24 07:13	03/26/24 09:45	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					03/04/24 07:13	03/26/24 09:45	1

Lab Sample ID: LCS 160-650659/2-A

Matrix: Water

Analysis Batch: 653989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 650659

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.010		1.10	1.00	0.240	pCi/L	80	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	110		30 - 110							

Lab Sample ID: MB 160-651151/1-A

Matrix: Water

Analysis Batch: 654350

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 651151

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02622	U	0.0787	0.0787	1.00	0.182	pCi/L	03/06/24 07:11	03/28/24 09:25	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					03/06/24 07:11	03/28/24 09:25	1

Lab Sample ID: LCS 160-651151/2-A

Matrix: Water

Analysis Batch: 654350

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 651151

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	11.75		1.31	1.00	0.164	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	99.5		30 - 110							

Lab Sample ID: MB 160-651627/1-A

Matrix: Water

Analysis Batch: 654903

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 651627

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05899	U	0.0708	0.0710	1.00	0.115	pCi/L	03/08/24 09:18	04/01/24 15:58	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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

Lab Sample ID: MB 160-651627/1-A
Matrix: Water
Analysis Batch: 654903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651627

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	107		30 - 110

Prepared	Analyzed	Dil Fac
03/08/24 09:18	04/01/24 15:58	1

Lab Sample ID: LCS 160-651627/2-A
Matrix: Water
Analysis Batch: 654903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651627

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	10.10		1.10	1.00	0.136	pCi/L	89	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	112	X	30 - 110

Lab Sample ID: MB 160-651901/1-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651901

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03668	U	0.106	0.106	1.00	0.200	pCi/L	03/11/24 09:26	04/02/24 15:10	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	102		30 - 110

Prepared	Analyzed	Dil Fac
03/11/24 09:26	04/02/24 15:10	1

Lab Sample ID: LCS 160-651901/2-A
Matrix: Water
Analysis Batch: 654947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651901

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	8.558		1.04	1.00	0.174	pCi/L	76	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	103		30 - 110

Lab Sample ID: MB 160-652387/1-A
Matrix: Water
Analysis Batch: 655718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652387

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03683	U	0.0676	0.0677	1.00	0.121	pCi/L	03/14/24 09:54	04/07/24 14:29	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.9		30 - 110

Prepared	Analyzed	Dil Fac
03/14/24 09:54	04/07/24 14:29	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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

Lab Sample ID: LCS 160-652387/2-A
Matrix: Water
Analysis Batch: 656032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652387

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226		11.3	10.72		1.13	1.00	0.0943	pCi/L	95	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	97.9		30 - 110									

Lab Sample ID: LCS 160-652682/2-A
Matrix: Water
Analysis Batch: 655721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652682

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226		11.3	9.353		1.04	1.00	0.153	pCi/L	83	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	99.0		30 - 110									

Lab Sample ID: 500-246814-22 DU
Matrix: Water
Analysis Batch: 655721

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 652682

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-226	0.278	U	0.3961		0.206	1.00	0.247	pCi/L		0.29	1
	DU	DU									
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	74.0		30 - 110								

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-650660/1-A
Matrix: Water
Analysis Batch: 653748

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650660

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.007764	U	0.248	0.248	1.00	0.463	pCi/L	03/04/24 07:35	03/25/24 12:23	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					03/04/24 07:35	03/25/24 12:23	1
Y Carrier	83.7		30 - 110					03/04/24 07:35	03/25/24 12:23	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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

Lab Sample ID: LCS 160-650660/2-A
Matrix: Water
Analysis Batch: 653748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650660

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.09	9.704		1.27	1.00	0.444	pCi/L	107	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	110		30 - 110							
Y Carrier	80.4		30 - 110							

Lab Sample ID: MB 160-651153/1-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651153

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2030	U	0.311	0.311	1.00	0.528	pCi/L	03/06/24 07:32	03/26/24 12:27	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.4		30 - 110							
Y Carrier	83.4		30 - 110							
								Prepared	Analyzed	Dil Fac
								03/06/24 07:32	03/26/24 12:27	1
								03/06/24 07:32	03/26/24 12:27	1

Lab Sample ID: LCS 160-651153/2-A
Matrix: Water
Analysis Batch: 653989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651153

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.09	9.043		1.23	1.00	0.469	pCi/L	99	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.5		30 - 110							
Y Carrier	83.7		30 - 110							

Lab Sample ID: MB 160-651629/1-A
Matrix: Water
Analysis Batch: 654352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651629

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.06196	U	0.230	0.230	1.00	0.459	pCi/L	03/08/24 09:27	03/28/24 11:47	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	107		30 - 110							
Y Carrier	82.6		30 - 110							
								Prepared	Analyzed	Dil Fac
								03/08/24 09:27	03/28/24 11:47	1
								03/08/24 09:27	03/28/24 11:47	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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

Lab Sample ID: LCS 160-651629/2-A
Matrix: Water
Analysis Batch: 654352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651629

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.08	8.537		1.17	1.00	0.464	pCi/L	94	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	112	X	30 - 110							
Y Carrier	84.1		30 - 110							

Lab Sample ID: MB 160-651904/1-A
Matrix: Water
Analysis Batch: 654901

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651904

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4102		0.277	0.280	1.00	0.409	pCi/L	03/11/24 09:33	04/01/24 11:45	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	102		30 - 110							
Y Carrier	86.4		30 - 110							
								Prepared	Analyzed	Dil Fac
								03/11/24 09:33	04/01/24 11:45	1
								03/11/24 09:33	04/01/24 11:45	1

Lab Sample ID: LCS 160-651904/2-A
Matrix: Water
Analysis Batch: 654901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651904

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.07	9.008		1.20	1.00	0.488	pCi/L	99	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	103		30 - 110							
Y Carrier	85.6		30 - 110							

Lab Sample ID: MB 160-652388/1-A
Matrix: Water
Analysis Batch: 655125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652388

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1685	U	0.288	0.288	1.00	0.494	pCi/L	03/14/24 09:59	04/03/24 11:40	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.9		30 - 110							
Y Carrier	82.6		30 - 110							
								Prepared	Analyzed	Dil Fac
								03/14/24 09:59	04/03/24 11:40	1
								03/14/24 09:59	04/03/24 11:40	1

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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

Lab Sample ID: LCS 160-652388/2-A
Matrix: Water
Analysis Batch: 655125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652388

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.06	10.05		1.32	1.00	0.432	pCi/L	111	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.9		30 - 110							
Y Carrier	84.9		30 - 110							

Lab Sample ID: MB 160-652684/1-A
Matrix: Water
Analysis Batch: 655549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652684

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01543	U	0.296	0.296	1.00	0.549	pCi/L	03/15/24 11:13	04/05/24 11:53	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					03/15/24 11:13	04/05/24 11:53	1
Y Carrier	83.0		30 - 110					03/15/24 11:13	04/05/24 11:53	1

Lab Sample ID: LCS 160-652684/2-A
Matrix: Water
Analysis Batch: 655549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652684

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.06	10.55		1.38	1.00	0.490	pCi/L	116	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.0		30 - 110							
Y Carrier	81.9		30 - 110							

Lab Sample ID: 500-246814-22 DU
Matrix: Water
Analysis Batch: 655549

Client Sample ID: T08S
Prep Type: Total/NA
Prep Batch: 652684

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.32		0.9214		0.612	1.00	0.894	pCi/L	0.32	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	74.0		30 - 110							
Y Carrier	78.5		30 - 110							

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2417 Bond Street

University Park, IL 60484

Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



Environmental Testing

Client Information		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:													
Client Contact: James Thorne		Noe Lopez / James Reed		Mockler, Diana J				500-119638-47930.1													
Company: Midwest Generation EME LLC		Phone:		E-Mail: Diana.Mockler@et.eurofinsus.com				Page: Page 1													
Address: 1800 Channahon Road		Due Date Requested:		Analysis Req		500-246814 COC		Job #: 500-247014													
City: Joliet		TAT Requested (days):						Preservation Codes:													
State, Zip: IL, 60436		Compliance Project: ☐ Yes ☐ No						A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)													
Email: james.thorne@nrg.com		PO #: 4502153835						Other:													
Project Name: Joliet #9 CCR		WO #:																			
Site: Illinois		Project #: 50011504																			
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)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 (14 elements), 7470A - Mercury	2540C - TDS	4500FC - Fluoride	SM00CLE - Chloride	SM4500SO4 - Sulfate	903 - Rad 226	904 - Rad 228	Rad Combined	Total Number of containers	Special Instructions/Note:					
17 T02S	03/12/24	0947		Water			/	/	/	/	/	/	/	/	5						
18 T03S	03/12/24	1135		Water			/	/	/	/	/	/	/	/	5						
19 G45S	03/12/24	1221		Water			/	/	/	/	/	/	/	/	5						
20 DUP of G45S	03/12/24	1227		Water			/	/	/	/	/	/	/	/	5						
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				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:					Date/Time: 03/12/24 1405		Company: EETA		Received by: Stephanie Hemondy					Date/Time: 3/12/24 1405		Company: EETA					
Relinquished by:					Date/Time:		Company:		Received by:					Date/Time:		Company:					
Relinquished by:					Date/Time:		Company:		Received by:					Date/Time:		Company:					
Custody Seals Intact: ☐ Yes ☐ No					Custody Seal No.:					Cooler Temperature(s) °C and Other Remarks: 3.1+2.6											

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[illegible]



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2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Client Information (Sub Contract Lab)				Sampler: Lao PM. Mockler, Diana J		Carrier Tracking No(s): 500-185372.1	
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc.				Phone: Diana Mockler@get.eurofinsus.com E-Mail:		State of Origin: Illinois Page: 1 of 1	
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:				Job #: 500-246814-1 Preservation Codes:		COC No: 500-185372.1	
Project Name: Joliet #9 (Quarry) CCR Site: NRG Midwest Generation LSQ Joliet #9 CCR				Project #: 50011504 SSOW#:		Job #: 500-246814-1 Preservation Codes:	
Analysis Requested				Due Date Requested: 3/21/2024 TAT Requested (days):		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				PO # WO # Project # SSOW#		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Weaver, Sealed, Onwater, BT-Tissue, Anal)		Job #: 500-246814-1 Preservation Codes:	
Sample Identification - Client ID (Lab ID)				Sample Date Sample Time Sample Type (C=comp, G=grab)			



Environment Testing

4/10/2024



Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:			Lab PM: Mockler, Diana J E-Mail: Diana.Mockler@et.eurofinsus.com Carrier Tracking No(s): 500-185599.1 State of Origin: Illinois Page: Page 1 of 1 Job #: 500-246814-2		
Due Date Requested: 3/21/2024 TAT Requested (days): PO # WO # Project # 50011504 SOW #			Accreditations Required (See note): NELAP - Illinois Analysis Requested		
Sample Identification - Client ID (Lab ID)			Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
Sample Date			Field Filtered Sample (Yes or No)		
Sample Time			Perform MS/MSD (Yes or No)		
Sample Type (C=Comp, G=grab)			903.0/PreSep. 21 Standard Target List		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			904.0/PreSep. 0 Standard Target List		
Sample Date			Ra226Ra228_GPPC		
Sample Time			Total Number of containers		
Sample Type (C=Comp, G=grab)			Special Instructions/Note:		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Date			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Time			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Sample Type (C=Comp, G=grab)			Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.		
Matrix (W=water, S=solid, O=organic, A=air) BT=Tissue, A=Air			Batch QC must be performed (dup. spikes, etc		

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Source: Eurofins Chicago

List Number: 1

Creator: Scott, Sherri L

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	1.6,4.0,2.3,2.2,3.5,2.6,4.9
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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 03/01/24 01:54 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?	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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 3

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 03/05/24 12:20 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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 4

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 03/07/24 02:05 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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 5

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 03/08/24 01:22 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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 6

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 03/13/24 01:47 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	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-246814-2

Login Number: 246814

List Number: 7

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 03/14/24 11:38 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?	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: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G20S

Date Collected: 02/29/24 09:44

Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650659	BMW	EET SL	03/04/24 07:13
Total/NA	Analysis	903.0		1	653959	SCB	EET SL	03/26/24 15:10
Total/NA	Prep	PrecSep_0			650660	BMW	EET SL	03/04/24 07:35
Total/NA	Analysis	904.0		1	653889	SWS	EET SL	03/25/24 12:38
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: R08S

Date Collected: 02/29/24 13:27

Date Received: 02/29/24 14:44

Lab Sample ID: 500-246814-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650659	BMW	EET SL	03/04/24 07:13
Total/NA	Analysis	903.0		1	653959	SCB	EET SL	03/26/24 15:10
Total/NA	Prep	PrecSep_0			650660	BMW	EET SL	03/04/24 07:35
Total/NA	Analysis	904.0		1	653889	SWS	EET SL	03/25/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: G31S

Date Collected: 03/04/24 11:19

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654350	SCB	EET SL	03/28/24 09:27
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653989	SCB	EET SL	03/26/24 12:28
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: G33S

Date Collected: 03/04/24 12:06

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654350	SCB	EET SL	03/28/24 09:27
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653991	SCB	EET SL	03/26/24 12:20
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G47S

Date Collected: 03/04/24 13:26

Date Received: 03/04/24 14:55

Lab Sample ID: 500-246814-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651151	BMW	EET SL	03/06/24 07:11
Total/NA	Analysis	903.0		1	654351	SCB	EET SL	03/28/24 13:28
Total/NA	Prep	PrecSep_0			651153	BMW	EET SL	03/06/24 07:32
Total/NA	Analysis	904.0		1	653991	SCB	EET SL	03/26/24 12:21
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: T13S

Date Collected: 03/06/24 09:39

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:46
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:19

Client Sample ID: T12S

Date Collected: 03/06/24 10:33

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:46
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G44S

Date Collected: 03/06/24 11:20

Date Received: 03/06/24 15:22

Lab Sample ID: 500-246814-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G39S

Lab Sample ID: 500-246814-9

Date Collected: 03/06/24 12:51

Matrix: Water

Date Received: 03/06/24 15:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G48S

Lab Sample ID: 500-246814-10

Date Collected: 03/06/24 13:45

Matrix: Water

Date Received: 03/06/24 15:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651627	KAK	EET SL	03/08/24 09:18
Total/NA	Analysis	903.0		1	654903	SCB	EET SL	04/01/24 17:47
Total/NA	Prep	PrecSep_0			651629	KAK	EET SL	03/08/24 09:27
Total/NA	Analysis	904.0		1	654352	SCB	EET SL	03/28/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G30S

Lab Sample ID: 500-246814-11

Date Collected: 03/07/24 09:28

Matrix: Water

Date Received: 03/07/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:22
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: R32S

Lab Sample ID: 500-246814-12

Date Collected: 03/07/24 11:47

Matrix: Water

Date Received: 03/07/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:22
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: G46S

Date Collected: 03/07/24 13:19

Date Received: 03/07/24 14:40

Lab Sample ID: 500-246814-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			651901	KAK	EET SL	03/11/24 09:26
Total/NA	Analysis	903.0		1	655001	SCB	EET SL	04/02/24 15:23
Total/NA	Prep	PrecSep_0			651904	KAK	EET SL	03/11/24 09:33
Total/NA	Analysis	904.0		1	654901	SCB	EET SL	04/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T09S

Date Collected: 03/11/24 10:03

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T06S

Date Collected: 03/11/24 11:31

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T05S

Date Collected: 03/11/24 13:22

Date Received: 03/11/24 15:25

Lab Sample ID: 500-246814-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T02S

Date Collected: 03/12/24 09:47

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:52
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T03S

Date Collected: 03/12/24 11:33

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655718	SCB	EET SL	04/07/24 14:29
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G45S

Date Collected: 03/12/24 12:27

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 13:02
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: G45S Dup

Date Collected: 03/12/24 12:27

Date Received: 03/12/24 14:05

Lab Sample ID: 500-246814-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652387	KAK	EET SL	03/14/24 09:54
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 13:02
Total/NA	Prep	PrecSep_0			652388	KAK	EET SL	03/14/24 09:59
Total/NA	Analysis	904.0		1	655301	SCB	EET SL	04/03/24 11:53
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

Client Sample ID: T01S

Date Collected: 03/13/24 09:58

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:02
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T08S

Date Collected: 03/13/24 12:02

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:02
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Client Sample ID: T11S

Date Collected: 03/13/24 13:45

Date Received: 03/13/24 15:32

Lab Sample ID: 500-246814-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			652682	KAK	EET SL	03/15/24 10:56
Total/NA	Analysis	903.0		1	655721	SCB	EET SL	04/08/24 17:30
Total/NA	Prep	PrecSep_0			652684	KAK	EET SL	03/15/24 11:13
Total/NA	Analysis	904.0		1	655549	SCB	EET SL	04/05/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	656294	FLC	EET SL	04/10/24 13:59

Laboratory References:

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

Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

Job ID: 500-246814-2

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)	
500-246814-1	G20S	104	
500-246814-2	R08S	106	
500-246814-3	G31S	93.4	
500-246814-4	G33S	73.6	
500-246814-5	G47S	95.7	
500-246814-6	T13S	100	
500-246814-7	T12S	85.1	
500-246814-8	G44S	96.1	
500-246814-9	G39S	104	
500-246814-10	G48S	104	
500-246814-11	G30S	97.9	
500-246814-12	R32S	105	
500-246814-13	G46S	99.0	
500-246814-14	T09S	58.0	
500-246814-15	T06S	87.9	
500-246814-16	T05S	83.5	
500-246814-17	T02S	85.6	
500-246814-18	T03S	87.6	
500-246814-19	G45S	86.1	
500-246814-20	G45S Dup	93.6	
500-246814-21	T01S	76.0	
500-246814-22	T08S	83.2	
500-246814-22 DU	T08S	74.0	
500-246814-23	T11S	88.4	
LCS 160-650659/2-A	Lab Control Sample	110	
LCS 160-651151/2-A	Lab Control Sample	99.5	
LCS 160-651627/2-A	Lab Control Sample	112 X	
LCS 160-651901/2-A	Lab Control Sample	103	
LCS 160-652387/2-A	Lab Control Sample	97.9	
LCS 160-652682/2-A	Lab Control Sample	99.0	
MB 160-650659/1-A	Method Blank	105	
MB 160-651151/1-A	Method Blank	93.4	
MB 160-651627/1-A	Method Blank	107	
MB 160-651901/1-A	Method Blank	102	
MB 160-652387/1-A	Method Blank	97.9	
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 (30-110)	Y (30-110)
500-246814-1	G20S	104	83.7
500-246814-2	R08S	106	86.7
500-246814-3	G31S	93.4	84.9
500-246814-4	G33S	73.6	81.5
500-246814-5	G47S	95.7	83.0

Eurofins Chicago

Tracer/Carrier Summary

Client: Midwest Generation EME LLC

Job ID: 500-246814-2

Project/Site: Joliet #9 (Quarry) CCR (RAD) 1Q24

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)
500-246814-6	T13S	100	82.6
500-246814-7	T12S	85.1	88.2
500-246814-8	G44S	96.1	86.7
500-246814-9	G39S	104	88.2
500-246814-10	G48S	104	83.7
500-246814-11	G30S	97.9	77.0
500-246814-12	R32S	105	74.4
500-246814-13	G46S	99.0	81.1
500-246814-14	T09S	58.0	83.7
500-246814-15	T06S	87.9	88.6
500-246814-16	T05S	83.5	85.2
500-246814-17	T02S	85.6	82.2
500-246814-18	T03S	87.6	83.0
500-246814-19	G45S	86.1	83.0
500-246814-20	G45S Dup	93.6	89.7
500-246814-21	T01S	76.0	78.9
500-246814-22	T08S	83.2	79.3
500-246814-22 DU	T08S	74.0	78.5
500-246814-23	T11S	88.4	77.8
LCS 160-650660/2-A	Lab Control Sample	110	80.4
LCS 160-651153/2-A	Lab Control Sample	99.5	83.7
LCS 160-651629/2-A	Lab Control Sample	112 X	84.1
LCS 160-651904/2-A	Lab Control Sample	103	85.6
LCS 160-652388/2-A	Lab Control Sample	97.9	84.9
LCS 160-652684/2-A	Lab Control Sample	99.0	81.9
MB 160-650660/1-A	Method Blank	105	83.7
MB 160-651153/1-A	Method Blank	93.4	83.4
MB 160-651629/1-A	Method Blank	107	82.6
MB 160-651904/1-A	Method Blank	102	86.4
MB 160-652388/1-A	Method Blank	97.9	82.6
MB 160-652684/1-A	Method Blank	94.8	83.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 02/29/24 Start Purge: 0926 End Purge: 0944
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.64 7.61 7.61 (std.)
Ref. Measuring Pt. TIC SC 684 692 692 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 10.74 10.62 10.62 (°C)
Water Level 52.83 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 528.04 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 29°F, Sunny, S winds e 0-5 mph
Turbidity: 4.18 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 52.83 - 2.78 = 50.05 (ft.)
Levels were taken on 02/29/24 @ 0920

(Updated: 07/14/2022)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814.2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 02/29/24 Start Purge: 13:12 End Purge: 1327
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.94 7.96 7.96 (std.)
Ref. Measuring Pt. TIC SC 1013 1016 1016 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 12.18 12.18 12.18 (°C)
Water Level 73.24 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.42 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 41°F, Sunny, S winds @ 5-10 mph
Turbidity: 0.64 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 73.24 - 2.55 = 70.69 (ft.)
Levels were taken on 02/29/24 @ 1307

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814.3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1059 End Purge: 1119
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.31 7.27 7.27 (std.)
Ref. Measuring Pt. TIC SC 1550 1550 1550 (umhos/cm)
Well Elevation *535.73 (ft./msl) Temp. 14.14 14.16 14.16 (°C)
Water Level 31.23 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.50 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 67°F, Cloudy, S winds e 5-10 mph
Turbidity: 1.36 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 31.23 - 2.58 = 28.65 (ft)
Levels were taken on 03/04/24 @ 1054

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-4

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)(N)
Sampling _____ Bladder Pump _____ Dedicated (Y)(N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1148 End Purge: 1206
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.32 7.33 7.33 (std.)
Ref. Measuring Pt. TIC SC 694 693 693 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 13.76 13.72 13.72 (°C)
Water Level 38.78 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 496.89 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 65°F, Cloudy, S winds e 5-10 mph
Turbidity: 83.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 38.78 - 1.73 = 37.05 (ft)
Levels were taken on 03/04/24 @ 1143

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-5

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/04/24 Start Purge: 1306 End Purge: 1326
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 8.47 8.49 8.49 (std.)
Ref. Measuring Pt. TIC SC 1600 1590 1590 (umhos/cm)
Well Elevation *612.23 (ft./msl) Temp. 13.86 13.85 13.85 (°C)
Water Level 94.73 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 511.50 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 66°F, Cloudy, S winds e 5-10 mph
Turbidity: 0.74 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.73 - 2.50 = 92.23 (ft.)
Levels were taken on 03/04/24 @ 1301

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 0925 End Purge: 0939
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.41 7.43 7.43 (std.)
Ref. Measuring Pt. TIC SC 896 891 891 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 12.47 12.42 12.42 (°C)
Water Level 19.98 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.35 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 44°F, Sunny, NE winds @ 5-10 mph
Turbidity: 33.10 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 19.98 - 2.76 = 17.22 (ft)
Levels were taken on 03/06/24 @ 0920
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-7

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1019 End Purge: 1033
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.57 7.58 7.58 (std.)
Ref. Measuring Pt. TIC SC 1010 1007 1007 (umhos/cm)
Well Elevation * 578.74 (ft./msl) Temp. 12.06 12.05 12.05 (°C)
Water Level 75.00 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.74 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

COMMENTS

Sample Appearance/Odor: p.c. & Colorless, slight Turbidity, No Odor
Weather Conditions: 46°F, Cloudy, NE winds @ 5-10 mph
Turbidity: 38.80 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 75.00 - 2.74 = 72.26 (ft)
Levels were taken on 03/06/24 @ 1014
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-240814-8

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1104 End Purge: 1120
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.32 7.29 7.29 (std.)
Ref. Measuring Pt. TIC SC 1103 1097 1097 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 13.19 13.58 13.58 (°C)
Water Level 83.61 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.07 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 46°F, Mostly Cloudy, NE winds e 5-10 mph
Turbidity: 6.71 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 83.61 - 2.18 = 81.43 (ft.)
Levels were taken on 03/06/24 @ 1059

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1234 End Purge: 1251
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.88

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 6.97 7.00 7.00 (std.)
Ref. Measuring Pt. TIC SC 718 727 727 (umhos/cm)
Well Elevation *598.75 (ft./msl) Temp. 11.52 11.55 11.55 (°C)
Water Level 97.20 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.55 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 48°F, Sunny, NE winds e 5-10 mph
Turbidity 10.20 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 97.20 - 2.08 = 95.12 (ft.)
Levels were taken on 03/06/24 @ 1229

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/06/24 Start Purge: 1323 End Purge: 1345
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.14

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 8.05 8.06 8.06 (std.)
Ref. Measuring Pt. TIC SC 1424 1417 1417 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 14.63 14.57 14.57 (°C)
Water Level 103.50 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 517.27 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 48°F, Sunny, NE winds 5-10 mph
Turbidity: 1.08 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 103.50 - 2.45 = 101.05 ft.
Levels were taken on 03/06/24 @ 1318

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-11

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 0910 End Purge: 0928
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.80 7.78 7.78 (std.)
Ref. Measuring Pt. TIC SC 1,780 1,780 1,780 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 8.45 8.43 8.43 (°C)
Water Level 1.83 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.03 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 41°F, Cloudy, E winds @ 0-5 mph
Turbidity: 4.14 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.83 - 2.31 = -0.48 (ft)
Levels were taken on 03/07/24 @ 0905

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-12

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 1128 End Purge: 1147
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.44 7.41 7.41 (std.)
Ref. Measuring Pt. TIC SC 788 807 807 (umhos/cm)
Well Elevation *536.97 (ft./msl) Temp. 11.78 11.73 11.73 (°C)
Water Level 23.56 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 513.41 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 43°F, Cloudy, SE winds e 0-5 mph
Turbidity: 0.83 NTU
Other: *Reference Measurement

Depth To Water from L.S. = 23.56 - 2.03 = 21.53 (ft.)

Levels were taken on 03/07/24 @ 1123

* well ^{usually} purges for 14 seconds every 30 seconds. well will only purge for 6 seconds every 30 seconds. Pump in well may be faulty.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24814-13

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/07/24 Start Purge: 1303 End Purge: 1319
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.72

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.35 7.36 7.36 (std.)
Ref. Measuring Pt. TIC SC 1300 1300 1300 (umhos/cm)
Well Elevation *601.41 (ft./msl) Temp. 11.87 11.88 11.88 (°C)
Water Level 111.20 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 490.21 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 49°F, Cloudy, SE winds e 0-5 mph
Turbidity: 71.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 111.20 - 2.70 = 108.50 (ft.)
Levels were taken on 03/07/24 @ 1258

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24,814-14

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 0945 End Purge: 1003
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.45 7.46 7.46 (std.)
Ref. Measuring Pt. TIC SC 1170 1171 1171 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 7.91 7.90 7.90 (°C)
Water Level 110.52 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.96 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, High Turbidity, No Odor
Weather Conditions: 42°F, Sunny, SW winds e 5-10 mph
Turbidity: 326 NTU

Other: *Reference Measurement (updated 02/19/14)

Depth To Water from L.S. = 110.52 - 2.40 = 108.12 (ft)

Levels were taken on 03/20/24 @ 0930
M.L.

* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-15

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 1108 End Purge: 1131
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.74

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.33 7.33 7.33 (std.)
Ref. Measuring Pt. TIC SC 777 775 775 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 13.76 13.79 13.79 (°C)
Water Level 117.15 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.90 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 51°F, Sunny, SW winds @ 5-10 mph
Turbidity: 7.31 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 117.15 - 2.30 = 114.85 (ft.)
Levels were taken on 03/11/24 @ 1053
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/11/24 Start Purge: 1305 End Purge: 1322
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 10.01 10.02 10.02 (std.)
Ref. Measuring Pt. TIC SC 2260 2260 2260 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 17.46 17.43 17.43 (°C)
Water Level 123.42 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.08 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 61°F, Sunny, SW winds @ 5-10 mph
Turbidity: 2.04 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 123.42 - 2.40 = 121.02 (ft)
Levels were taken on 03/11/24 @ 1250
* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-241814-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N) (N)
Sampling _____ Bladder Pump Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 0930 End Purge: 0947
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.83 7.79 7.79 (std.)
Ref. Measuring Pt. TIC SC 1316 1318 1318 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 12.45 12.49 12.49 (°C)
Water Level 134.25 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.87 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No odor
Weather Conditions: 52°F, Mostly Sunny, SW winds e 0-5 mph
Turbidity: 101 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 134.25 - 2.33 = 131.92 ft.
Levels were taken on 03/12/24 @ 0915
* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-242814-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (X) (N)
Sampling _____ Bladder Pump _____ Dedicated (X) (N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 1113 End Purge: 1133
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.52 7.50 7.50 (std.)
Ref. Measuring Pt. TIC SC 1,275 1,271 1,271 (umhos/cm)
Well Elevation * 629.85 (ft./msl) Temp. 12.38 12.41 12.41 (°C)
Water Level 138.41 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.44 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 59°F, Mostly Sunny, SW winds e 5-10 mph
Turbidity: 3.37 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 138.41 - 3.08 = 135.33 (ft)
Levels were taken on 03/12/24 @ 1108
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 03/12/24 Start Purge: 1210 End Purge: 1227
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.10

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH 7.50 7.49 7.49 (std.)
Ref. Measuring Pt. TIC SC 936 941 941 (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. 14.40 14.43 14.43 (°C)
Water Level 64.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 539.21 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 62°F, Partly Sunny, JW winds e 5-10 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.59 - 2.97 = 61.62 (ft)
Levels were taken on 03/12/24 @ 1205

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ End Purge: _____
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-24,814-21

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) _____
Sampling _____ Bladder Pump _____ Dedicated (Y/N) _____

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 0936 End Purge: 0958
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.50 7.53 7.53 (std.)
Ref. Measuring Pt. TIC SC 1363 1359 1359 (umhos/cm)
Well Elevation * 621.84 (ft./msl) Temp. 13.54 13.52 13.52 (°C)
Water Level 122.87 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 498.97 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight odor
Weather Conditions: 61°F, Sunny, SE winds 0-5 mph
Turbidity: 379 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.87 - 2.48 = 120.39 (ft.)
Levels were taken on 03/13/24 @ 0916
* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-22

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 1140 End Purge: 1202
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.89 8.91 8.91 (std.)
Ref. Measuring Pt. TIC SC 1404 1392 1392 (umhos/cm)
Well Elevation * 627.55 (ft./msl) Temp. 16.04 16.05 16.05 (°C)
Water Level 129.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 497.83 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 65°F, Sunny, SE winds @ 5-10 mph
Turbidity: 13.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 129.72 - 2.38 = 127.34 (ft.)
Levels were taken on 03/13/24 @ 1125
* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-246814-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 03/13/24 Start Purge: 1325 End Purge: 1345
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.68 7.63 7.63 (std.)
Ref. Measuring Pt. TIC SC 918 922 922 (umhos/cm)
Well Elevation * 559.48 (ft./msl) Temp. 17.06 17.06 17.06 (°C)
Water Level 68.15 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.33 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 70°F, Fair, SE winds @ 0-5 mph
Turbidity 66.20 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 68.15 - 2.74 = 65.41 (ft.)
Levels were taken on 03/13/24 @ 1310
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/16/2024 12:38:07 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 2Q24

JOB NUMBER

500-252337-1

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: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Job ID: 500-252337-1

Eurofins Chicago

Job Narrative 500-252337-1

Receipt

The samples were received on 6/18/2024 4:05 PM, 6/19/2024 2:49 PM, 6/20/2024 3:00 PM, 6/21/2024 4:18 PM, 6/24/2024 2:40 PM, 6/25/2024 3:25 PM and 6/28/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.7°C, 2.0°C, 2.0°C, 2.5°C, 2.8°C, 3.2°C, 3.4°C, 4.3°C and 4.3°C.

Metals

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-776748 was above the upper control limit. The affected analyte is: Beryllium. Sample results were below the reporting limit, and have been reported as qualified data.

Method 6020B - Total Recoverable: The initial calibration verification (ICV) result for batch 500-776748 was above the upper control limit. The affected analyte is: Lithium. Sample results below the reporting limit 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 500-774273 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.

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: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252337-1	G20S	GW	06/18/24 12:31	06/18/24 16:05
500-252337-2	G30S	Water	06/19/24 09:27	06/19/24 14:49
500-252337-3	R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-4	DUP of R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-5	G33S	Water	06/19/24 13:32	06/19/24 14:49
500-252337-6	G46S	Water	06/20/24 09:19	06/20/24 15:00
500-252337-7	T12S	Water	06/20/24 10:15	06/20/24 15:00
500-252337-8	G48S	Water	06/20/24 11:13	06/20/24 15:00
500-252337-9	G47S	Water	06/20/24 13:06	06/20/24 15:00
500-252337-10	T13S	Water	06/20/24 13:58	06/20/24 15:00
500-252337-11	T03S	Water	06/21/24 09:28	06/21/24 16:18
500-252337-12	G44S	Water	06/21/24 10:26	06/21/24 16:18
500-252337-13	G39S	Water	06/21/24 11:27	06/21/24 16:18
500-252337-14	R32S	Water	06/21/24 12:26	06/21/24 16:18
500-252337-15	G45S	Water	06/21/24 13:46	06/21/24 16:18
500-252337-16	G31S	Water	06/21/24 14:38	06/21/24 16:18
500-252337-17	T02S	Water	06/24/24 10:32	06/24/24 14:40
500-252337-18	T08S	Water	06/24/24 12:37	06/24/24 14:40
500-252337-19	T06S	Water	06/25/24 12:07	06/25/24 15:25
500-252337-20	T05S	Water	06/25/24 13:52	06/25/24 15:25
500-252337-21	T01S	Water	06/28/24 09:50	06/28/24 15:50
500-252337-22	T09S	Water	06/28/24 11:58	06/28/24 15:50
500-252337-23	T11S	Water	06/28/24 13:29	06/28/24 15:50

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G20S

Lab Sample ID: 500-252337-1

Date Collected: 06/18/24 12:31

Matrix: GW

Date Received: 06/18/24 16:05

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		07/10/24 10:34	07/10/24 18:17	1
Arsenic	0.0013		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Barium	0.044		0.0025		mg/L		07/10/24 10:34	07/10/24 18:17	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Boron	1.2		0.050		mg/L		07/12/24 08:45	07/12/24 16:21	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Calcium	56		0.20		mg/L		07/10/24 10:34	07/10/24 18:17	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Lithium	0.037		0.010		mg/L		07/10/24 10:34	07/10/24 18:17	1
Molybdenum	0.015		0.0050		mg/L		07/10/24 10:34	07/10/24 18:17	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:17	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	410		10		mg/L			06/20/24 23:02	1
Chloride (SM 4500 Cl- E)	17		2.0		mg/L			06/19/24 12:21	1
Fluoride (SM 4500 F C)	0.79		0.10		mg/L			07/10/24 19:40	1
Sulfate (SM 4500 SO4 E)	63		10		mg/L			06/25/24 15:36	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	44.87				ft			06/18/24 12:31	1
Depth to Water (ft from MP)	47.65				ft			06/18/24 12:31	1
Elevation of well (ft from MP)	580.87				ft			06/18/24 12:31	1
Field pH	7.62				SU			06/18/24 12:31	1
Field Temperature	95.72				Degrees F			06/18/24 12:31	1
Ground Water Elevation	533.22				ft			06/18/24 12:31	1
Specific Conductance	679				umhos/cm			06/18/24 12:31	1
Well bottom elevation	442.28				ft			06/18/24 12:31	1
Field Turbidity	0.80				NTU			06/18/24 12:31	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G30S

Lab Sample ID: 500-252337-2

Date Collected: 06/19/24 09:27

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:31	1
Arsenic	0.0014		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Barium	0.047		0.0025		mg/L		07/10/24 10:34	07/10/24 18:31	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Boron	5.1		0.50		mg/L		07/12/24 08:45	07/12/24 16:23	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Calcium	62		0.20		mg/L		07/10/24 10:34	07/10/24 18:31	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Lithium	0.022		0.010		mg/L		07/10/24 10:34	07/10/24 18:31	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:31	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:31	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			06/20/24 23:05	1
Chloride (SM 4500 Cl- E)	190		10		mg/L			06/20/24 11:03	5
Fluoride (SM 4500 F C)	0.94		0.10		mg/L			07/10/24 19:45	1
Sulfate (SM 4500 SO4 E)	470		50		mg/L			06/25/24 15:53	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.72				ft			06/19/24 09:27	1
Depth to Water (ft from MP)	1.59				ft			06/19/24 09:27	1
Elevation of well (ft from MP)	524.86				ft			06/19/24 09:27	1
Field pH	7.82				SU			06/19/24 09:27	1
Field Temperature	66.9				Degrees F			06/19/24 09:27	1
Ground Water Elevation	523.27				ft			06/19/24 09:27	1
Specific Conductance	1860				umhos/cm			06/19/24 09:27	1
Well bottom elevation	462.58				ft			06/19/24 09:27	1
Field Turbidity	0.26				NTU			06/19/24 09:27	1

Eurofins Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R08S

Lab Sample ID: 500-252337-3

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:36	1
Arsenic	0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Barium	0.042		0.0025		mg/L		07/10/24 10:34	07/10/24 18:36	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Boron	8.1		0.50		mg/L		07/12/24 08:45	07/15/24 10:29	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Calcium	140		0.20		mg/L		07/10/24 10:34	07/10/24 18:36	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Lithium	0.13		0.010		mg/L		07/10/24 10:34	07/10/24 18:36	1
Molybdenum	0.33		0.0050		mg/L		07/10/24 10:34	07/10/24 18:36	1
Selenium	0.012		0.0025		mg/L		07/10/24 10:34	07/10/24 18:36	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	800		10		mg/L			06/20/24 23:07	1
Chloride (SM 4500 Cl- E)	71		4.0		mg/L			06/20/24 11:03	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 19:50	1
Sulfate (SM 4500 SO4 E)	400		50		mg/L			06/25/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	67.49				ft			06/19/24 11:37	1
Depth to Water (ft from MP)	70.04				ft			06/19/24 11:37	1
Elevation of well (ft from MP)	578.66				ft			06/19/24 11:37	1
Field pH	7.87				SU			06/19/24 11:37	1
Field Temperature	61.2				Degrees F			06/19/24 11:37	1
Ground Water Elevation	508.62				ft			06/19/24 11:37	1
Specific Conductance	1024				umhos/cm			06/19/24 11:37	1
Well bottom elevation	453.08				ft			06/19/24 11:37	1
Field Turbidity	0.40				NTU			06/19/24 11:37	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: DUP of R08S

Lab Sample ID: 500-252337-4

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:42	1
Arsenic	0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Barium	0.044		0.0025		mg/L		07/10/24 10:34	07/10/24 18:42	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Boron	8.2		0.50		mg/L		07/12/24 08:45	07/15/24 10:31	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Calcium	150		0.20		mg/L		07/10/24 10:34	07/10/24 18:42	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Lithium	0.14		0.010		mg/L		07/10/24 10:34	07/10/24 18:42	1
Molybdenum	0.37		0.0050		mg/L		07/10/24 10:34	07/10/24 18:42	1
Selenium	0.0076		0.0025		mg/L		07/10/24 10:34	07/10/24 18:42	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			06/20/24 23:10	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			06/20/24 11:04	2
Fluoride (SM 4500 F C)	0.13		0.10		mg/L			07/10/24 19:55	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			06/25/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	67.49				ft			06/19/24 11:37	1
Depth to Water (ft from MP)	70.04				ft			06/19/24 11:37	1
Elevation of well (ft from MP)	578.66				ft			06/19/24 11:37	1
Field pH	7.87				SU			06/19/24 11:37	1
Field Temperature	61.2				Degrees F			06/19/24 11:37	1
Ground Water Elevation	508.62				ft			06/19/24 11:37	1
Specific Conductance	1024				umhos/cm			06/19/24 11:37	1
Well bottom elevation	453.08				ft			06/19/24 11:37	1
Field Turbidity	0.40				NTU			06/19/24 11:37	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G33S

Lab Sample ID: 500-252337-5

Date Collected: 06/19/24 13:32

Matrix: Water

Date Received: 06/19/24 14:49

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		07/10/24 10:34	07/10/24 18:48	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Barium	0.045		0.0025		mg/L		07/10/24 10:34	07/10/24 18:48	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Boron	0.36		0.050		mg/L		07/12/24 08:45	07/15/24 10:34	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Calcium	49		0.20		mg/L		07/10/24 10:34	07/10/24 18:48	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Lead	0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Lithium	0.015		0.010		mg/L		07/10/24 10:34	07/10/24 18:48	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:48	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:48	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	300		10		mg/L			06/20/24 23:12	1
Chloride (SM 4500 Cl- E)	8.8		2.0		mg/L			06/20/24 10:16	1
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			07/10/24 20:00	1
Sulfate (SM 4500 SO4 E)	43		5.0		mg/L			06/25/24 16:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	33.36				ft			06/19/24 13:32	1
Depth to Water (ft from MP)	35.09				ft			06/19/24 13:32	1
Elevation of well (ft from MP)	535.67				ft			06/19/24 13:32	1
Field pH	7.56				SU			06/19/24 13:32	1
Field Temperature	65.8				Degrees F			06/19/24 13:32	1
Ground Water Elevation	500.58				ft			06/19/24 13:32	1
Specific Conductance	472				umhos/cm			06/19/24 13:32	1
Well bottom elevation	452.72				ft			06/19/24 13:32	1
Field Turbidity	4.78				NTU			06/19/24 13:32	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G46S

Lab Sample ID: 500-252337-6

Date Collected: 06/20/24 09:19

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 18:50	1
Arsenic	0.019		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Barium	0.050		0.0025		mg/L		07/10/24 10:34	07/10/24 18:50	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Boron	11		1.0		mg/L		07/12/24 08:45	07/15/24 10:36	20
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Calcium	130		0.20		mg/L		07/10/24 10:34	07/10/24 18:50	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Lithium	0.18		0.010		mg/L		07/10/24 10:34	07/10/24 18:50	1
Molybdenum	1.6		0.0050		mg/L		07/10/24 10:34	07/10/24 18:50	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:50	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00032		0.00020		mg/L		07/08/24 10:55	07/09/24 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/20/24 23:15	1
Chloride (SM 4500 Cl- E)	54		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.34		0.10		mg/L			07/10/24 20:04	1
Sulfate (SM 4500 SO4 E)	580		100		mg/L			06/25/24 16:44	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	97.70				ft			06/20/24 09:19	1
Depth to Water (ft from MP)	100.40				ft			06/20/24 09:19	1
Elevation of well (ft from MP)	601.41				ft			06/20/24 09:19	1
Field pH	7.29				SU			06/20/24 09:19	1
Field Temperature	59.5				Degrees F			06/20/24 09:19	1
Ground Water Elevation	501.00				ft			06/20/24 09:19	1
Specific Conductance	1423				umhos/cm			06/20/24 09:19	1
Well bottom elevation	453.62				ft			06/20/24 09:19	1
Field Turbidity	8.46				NTU			06/20/24 09:19	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T12S

Lab Sample ID: 500-252337-7

Date Collected: 06/20/24 10:15

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 18:56	1
Arsenic	0.18		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Barium	0.12		0.0025		mg/L		07/10/24 10:34	07/10/24 18:56	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Boron	5.2		0.50		mg/L		07/12/24 08:45	07/15/24 10:38	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Calcium	140		0.20		mg/L		07/10/24 10:34	07/10/24 18:56	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Lead	0.0016		0.00050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Lithium	0.14		0.010		mg/L		07/10/24 10:34	07/10/24 18:56	1
Molybdenum	0.46		0.0050		mg/L		07/10/24 10:34	07/10/24 18:56	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:56	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			06/20/24 23:18	1
Chloride (SM 4500 Cl- E)	74		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			07/10/24 20:09	1
Sulfate (SM 4500 SO4 E)	310		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	71.40				ft			06/20/24 10:15	1
Depth to Water (ft from MP)	74.14				ft			06/20/24 10:15	1
Elevation of well (ft from MP)	578.74				ft			06/20/24 10:15	1
Field pH	8.82				SU			06/20/24 10:15	1
Field Temperature	59.0				Degrees F			06/20/24 10:15	1
Ground Water Elevation	504.60				ft			06/20/24 10:15	1
Specific Conductance	1128				umhos/cm			06/20/24 10:15	1
Well bottom elevation	452.24				ft			06/20/24 10:15	1
Field Turbidity	284.00				NTU			06/20/24 10:15	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G48S

Lab Sample ID: 500-252337-8

Date Collected: 06/20/24 11:13

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:07	1
Arsenic	0.010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Barium	0.026		0.0025		mg/L		07/10/24 10:34	07/10/24 19:07	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Boron	4.6		0.50		mg/L		07/12/24 08:45	07/15/24 10:40	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Calcium	46		0.20		mg/L		07/10/24 10:34	07/10/24 19:07	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Lithium	0.031		0.010		mg/L		07/10/24 10:34	07/10/24 19:07	1
Molybdenum	0.38		0.0050		mg/L		07/10/24 10:34	07/10/24 19:07	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:07	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			06/20/24 23:20	1
Chloride (SM 4500 Cl- E)	81		4.0		mg/L			06/23/24 13:39	2
Fluoride (SM 4500 F C)	0.90		0.10		mg/L			07/10/24 20:14	1
Sulfate (SM 4500 SO4 E)	390		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	98.28				ft			06/20/24 11:13	1
Depth to Water (ft from MP)	100.73				ft			06/20/24 11:13	1
Elevation of well (ft from MP)	620.77				ft			06/20/24 11:13	1
Field pH	8.26				SU			06/20/24 11:13	1
Field Temperature	69.8				Degrees F			06/20/24 11:13	1
Ground Water Elevation	520.04				ft			06/20/24 11:13	1
Specific Conductance	1445				umhos/cm			06/20/24 11:13	1
Well bottom elevation	468.32				ft			06/20/24 11:13	1
Field Turbidity	0.61				NTU			06/20/24 11:13	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G47S

Lab Sample ID: 500-252337-9

Date Collected: 06/20/24 13:06

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:11	1
Arsenic	0.024		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Barium	0.011		0.0025		mg/L		07/10/24 10:34	07/10/24 19:11	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Boron	4.7		0.50		mg/L		07/12/24 08:45	07/15/24 10:42	10
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Calcium	14		0.20		mg/L		07/10/24 10:34	07/10/24 19:11	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Lithium	0.043		0.010		mg/L		07/10/24 10:34	07/10/24 19:11	1
Molybdenum	0.38		0.0050		mg/L		07/10/24 10:34	07/10/24 19:11	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:11	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/20/24 23:23	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			06/23/24 13:40	5
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			07/10/24 20:28	1
Sulfate (SM 4500 SO4 E)	440		50		mg/L			06/25/24 16:45	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	89.14				ft			06/20/24 13:06	1
Depth to Water (ft from MP)	91.64				ft			06/20/24 13:06	1
Elevation of well (ft from MP)	612.23				ft			06/20/24 13:06	1
Field pH	9.34				SU			06/20/24 13:06	1
Field Temperature	60.8				Degrees F			06/20/24 13:06	1
Ground Water Elevation	520.59				ft			06/20/24 13:06	1
Specific Conductance	1580				umhos/cm			06/20/24 13:06	1
Well bottom elevation	459.84				ft			06/20/24 13:06	1
Field Turbidity	0.48				NTU			06/20/24 13:06	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T13S

Lab Sample ID: 500-252337-10

Date Collected: 06/20/24 13:58

Matrix: Water

Date Received: 06/20/24 15:00

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		07/10/24 10:34	07/10/24 19:13	1
Arsenic	0.0026		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Barium	0.058		0.0025		mg/L		07/10/24 10:34	07/10/24 19:13	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Boron	0.27		0.050		mg/L		07/12/24 08:45	07/15/24 10:44	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Calcium	96		0.20		mg/L		07/10/24 10:34	07/10/24 19:13	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Lithium	0.021		0.010		mg/L		07/10/24 10:34	07/10/24 19:13	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:13	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:13	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		10		mg/L			06/20/24 23:25	1
Chloride (SM 4500 Cl- E)	27		2.0		mg/L			06/23/24 12:58	1
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			07/10/24 20:33	1
Sulfate (SM 4500 SO4 E)	130		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.45				ft			06/20/24 13:58	1
Depth to Water (ft from MP)	20.21				ft			06/20/24 13:58	1
Elevation of well (ft from MP)	525.33				ft			06/20/24 13:58	1
Field pH	7.59				SU			06/20/24 13:58	1
Field Temperature	61.9				Degrees F			06/20/24 13:58	1
Ground Water Elevation	505.12				ft			06/20/24 13:58	1
Specific Conductance	892				umhos/cm			06/20/24 13:58	1
Well bottom elevation	452.21				ft			06/20/24 13:58	1
Field Turbidity	13.40				NTU			06/20/24 13:58	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T03S

Lab Sample ID: 500-252337-11

Date Collected: 06/21/24 09:28

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:15	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Barium	0.064		0.0025		mg/L		07/10/24 10:34	07/10/24 19:15	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Boron	1.3		0.050		mg/L		07/12/24 08:45	07/15/24 10:50	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Calcium	100		0.20		mg/L		07/10/24 10:34	07/10/24 19:15	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Lithium	0.017		0.010		mg/L		07/10/24 10:34	07/10/24 19:15	1
Molybdenum	0.10		0.0050		mg/L		07/10/24 10:34	07/10/24 19:15	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:15	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	970		10		mg/L			06/23/24 21:23	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			06/23/24 13:40	5
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			07/10/24 20:37	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			06/25/24 16:23	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	132.78				ft			06/21/24 09:28	1
Depth to Water (ft from MP)	135.86				ft			06/21/24 09:28	1
Elevation of well (ft from MP)	629.85				ft			06/21/24 09:28	1
Field pH	7.227				SU			06/21/24 09:28	1
Field Temperature	56.3				Degrees F			06/21/24 09:28	1
Ground Water Elevation	493.99				ft			06/21/24 09:28	1
Specific Conductance	1265				umhos/cm			06/21/24 09:28	1
Well bottom elevation	456.70				ft			06/21/24 09:28	1
Field Turbidity	1.05				NTU			06/21/24 09:28	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G44S

Lab Sample ID: 500-252337-12

Date Collected: 06/21/24 10:26

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:17	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Barium	0.064		0.0025		mg/L		07/10/24 10:34	07/10/24 19:17	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Boron	1.2		0.050		mg/L		07/12/24 08:45	07/15/24 10:52	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Calcium	130		0.20		mg/L		07/10/24 10:34	07/10/24 19:17	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Lithium	0.018		0.010		mg/L		07/10/24 10:34	07/10/24 19:17	1
Molybdenum	0.11		0.0050		mg/L		07/10/24 10:34	07/10/24 19:17	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:17	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	850		10		mg/L			06/23/24 21:25	1
Chloride (SM 4500 Cl- E)	64		4.0		mg/L			06/23/24 13:40	2
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			07/10/24 20:42	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 16:24	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	80.17				ft			06/21/24 10:26	1
Depth to Water (ft from MP)	82.35				ft			06/21/24 10:26	1
Elevation of well (ft from MP)	586.68				ft			06/21/24 10:26	1
Field pH	7.24				SU			06/21/24 10:26	1
Field Temperature	62.1				Degrees F			06/21/24 10:26	1
Ground Water Elevation	504.33				ft			06/21/24 10:26	1
Specific Conductance	1111				umhos/cm			06/21/24 10:26	1
Well bottom elevation	455.11				ft			06/21/24 10:26	1
Field Turbidity	3.52				NTU			06/21/24 10:26	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:19	1
Arsenic	0.0030		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Barium	0.032		0.0025		mg/L		07/10/24 10:34	07/10/24 19:19	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Boron	0.23		0.050		mg/L		07/12/24 08:45	07/15/24 10:54	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Calcium	86		0.20		mg/L		07/10/24 10:34	07/10/24 19:19	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Lead	0.00059		0.00050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Lithium	<0.010		0.010		mg/L		07/10/24 10:34	07/10/24 19:19	1
Molybdenum	0.0055		0.0050		mg/L		07/10/24 10:34	07/10/24 19:19	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:19	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	540		10		mg/L			06/23/24 21:28	1
Chloride (SM 4500 Cl- E)	20		2.0		mg/L			06/23/24 12:59	1
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			07/10/24 20:46	1
Sulfate (SM 4500 SO4 E)	68		10		mg/L			06/25/24 16:26	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	93.48				ft			06/21/24 11:27	1
Depth to Water (ft from MP)	95.56				ft			06/21/24 11:27	1
Elevation of well (ft from MP)	598.75				ft			06/21/24 11:27	1
Field pH	7.19				SU			06/21/24 11:27	1
Field Temperature	58.3				Degrees F			06/21/24 11:27	1
Ground Water Elevation	503.19				ft			06/21/24 11:27	1
Specific Conductance	758				umhos/cm			06/21/24 11:27	1
Well bottom elevation	454.15				ft			06/21/24 11:27	1
Field Turbidity	1.50				NTU			06/21/24 11:27	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

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		07/10/24 10:34	07/10/24 19:22	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Barium	0.029		0.0025		mg/L		07/10/24 10:34	07/10/24 19:22	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Boron	0.36		0.050		mg/L		07/12/24 08:45	07/15/24 10:56	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Calcium	94		0.20		mg/L		07/10/24 10:34	07/10/24 19:22	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Lithium	0.019		0.010		mg/L		07/10/24 10:34	07/10/24 19:22	1
Molybdenum	0.046		0.0050		mg/L		07/10/24 10:34	07/10/24 19:22	1
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 19:22	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 19:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	730		10		mg/L			06/26/24 21:58	1
Chloride (SM 4500 Cl- E)	37		2.0		mg/L			06/23/24 12:59	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 20:51	1
Sulfate (SM 4500 SO4 E)	290		50		mg/L			06/25/24 16:47	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	19.65				ft			06/21/24 12:26	1
Depth to Water (ft from MP)	21.68				ft			06/21/24 12:26	1
Elevation of well (ft from MP)	536.97				ft			06/21/24 12:26	1
Field pH	7.52				SU			06/21/24 12:26	1
Field Temperature	56.7				Degrees F			06/21/24 12:26	1
Ground Water Elevation	515.29				ft			06/21/24 12:26	1
Specific Conductance	752				umhos/cm			06/21/24 12:26	1
Well bottom elevation	457.84				ft			06/21/24 12:26	1
Field Turbidity	1.03				NTU			06/21/24 12:26	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

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		07/12/24 08:45	07/15/24 10:59	1
Arsenic	0.0089		0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Barium	0.033		0.0025		mg/L		07/12/24 08:45	07/15/24 10:59	1
Beryllium	<0.0010	^1+	0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Boron	0.29		0.050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Cadmium	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Calcium	84		0.20		mg/L		07/12/24 08:45	07/15/24 10:59	1
Chromium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Cobalt	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 10:59	1
Lead	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Lithium	0.026		0.010		mg/L		07/12/24 08:45	07/15/24 14:36	1
Molybdenum	0.010		0.0050		mg/L		07/12/24 08:45	07/15/24 10:59	1
Selenium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 10:59	1
Thallium	<0.0020		0.0020		mg/L		07/12/24 08:45	07/15/24 10:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		10		mg/L			06/26/24 22:05	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			06/23/24 13:41	5
Fluoride (SM 4500 F C)	0.38		0.10		mg/L			07/11/24 10:50	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 16:47	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	59.66				ft			06/21/24 13:46	1
Depth to Water (ft from MP)	62.63				ft			06/21/24 13:46	1
Elevation of well (ft from MP)	603.80				ft			06/21/24 13:46	1
Field pH	7.35				SU			06/21/24 13:46	1
Field Temperature	61.3				Degrees F			06/21/24 13:46	1
Ground Water Elevation	541.17				ft			06/21/24 13:46	1
Specific Conductance	940				umhos/cm			06/21/24 13:46	1
Well bottom elevation	471.05				ft			06/21/24 13:46	1
Field Turbidity	0.79				NTU			06/21/24 13:46	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		07/12/24 08:45	07/15/24 11:01	5
Arsenic	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Barium	0.047		0.013		mg/L		07/12/24 08:45	07/15/24 11:01	5
Beryllium	<0.0050	^1+	0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Boron	2.6		0.25		mg/L		07/12/24 08:45	07/15/24 11:01	5
Cadmium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Calcium	160		1.0		mg/L		07/12/24 08:45	07/15/24 11:01	5
Chromium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Cobalt	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:01	5
Lead	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Lithium	0.074		0.010		mg/L		07/12/24 08:45	07/15/24 14:38	1
Molybdenum	0.49		0.025		mg/L		07/12/24 08:45	07/15/24 11:01	5
Selenium	<0.013		0.013		mg/L		07/12/24 08:45	07/15/24 11:01	5
Thallium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:01	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			06/26/24 22:11	1
Chloride (SM 4500 Cl- E)	210		10		mg/L			06/23/24 13:41	5
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			07/11/24 10:55	1
Sulfate (SM 4500 SO4 E)	430		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	26.23				ft			06/21/24 14:38	1
Depth to Water (ft from MP)	28.81				ft			06/21/24 14:38	1
Elevation of well (ft from MP)	535.73				ft			06/21/24 14:38	1
Field pH	7.23				SU			06/21/24 14:38	1
Field Temperature	61.9				Degrees F			06/21/24 14:38	1
Ground Water Elevation	506.92				ft			06/21/24 14:38	1
Specific Conductance	1920				umhos/cm			06/21/24 14:38	1
Well bottom elevation	453.36				ft			06/21/24 14:38	1
Field Turbidity	0.95				NTU			06/21/24 14:38	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T02S

Lab Sample ID: 500-252337-17

Date Collected: 06/24/24 10:32

Matrix: Water

Date Received: 06/24/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		07/12/24 08:45	07/15/24 11:03	5
Arsenic	0.0082		0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Barium	0.12		0.013		mg/L		07/12/24 08:45	07/15/24 11:03	5
Beryllium	<0.0050	^1+	0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Boron	3.4		0.25		mg/L		07/12/24 08:45	07/15/24 11:03	5
Cadmium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Calcium	75		1.0		mg/L		07/12/24 08:45	07/15/24 11:03	5
Chromium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Cobalt	0.0057		0.0050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Lead	0.0055		0.0025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Lithium	<0.050	^1+	0.050		mg/L		07/12/24 08:45	07/15/24 11:03	5
Molybdenum	0.29		0.025		mg/L		07/12/24 08:45	07/15/24 11:03	5
Selenium	<0.013		0.013		mg/L		07/12/24 08:45	07/15/24 11:03	5
Thallium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:03	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	940		10		mg/L			06/26/24 22:13	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/30/24 10:29	5
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			07/11/24 10:59	1
Sulfate (SM 4500 SO4 E)	310		50		mg/L			06/25/24 16:46	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	128.86				ft			06/24/24 10:32	1
Depth to Water (ft from MP)	131.19				ft			06/24/24 10:32	1
Elevation of well (ft from MP)	626.12				ft			06/24/24 10:32	1
Field pH	8.02				SU			06/24/24 10:32	1
Field Temperature	74.1				Degrees F			06/24/24 10:32	1
Ground Water Elevation	494.93				ft			06/24/24 10:32	1
Specific Conductance	1296				umhos/cm			06/24/24 10:32	1
Well bottom elevation	453.40				ft			06/24/24 10:32	1
Field Turbidity	122.00				NTU			06/24/24 10:32	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T08S

Lab Sample ID: 500-252337-18

Date Collected: 06/24/24 12:37

Matrix: Water

Date Received: 06/24/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.030		0.030		mg/L		07/12/24 08:45	07/15/24 11:05	10
Arsenic	0.012		0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Barium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:05	10
Beryllium	<0.010	^1+	0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Boron	6.6		0.50		mg/L		07/12/24 08:45	07/15/24 11:05	10
Cadmium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Calcium	18		2.0		mg/L		07/12/24 08:45	07/15/24 11:05	10
Chromium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Cobalt	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:05	10
Lead	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Lithium	<0.10	^1+	0.10		mg/L		07/12/24 08:45	07/15/24 11:05	10
Molybdenum	0.60		0.050		mg/L		07/12/24 08:45	07/15/24 11:05	10
Selenium	<0.025		0.025		mg/L		07/12/24 08:45	07/15/24 11:05	10
Thallium	<0.020		0.020		mg/L		07/12/24 08:45	07/15/24 11:05	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	920		10		mg/L			06/26/24 22:16	1
Chloride (SM 4500 Cl- E)	73		4.0		mg/L			06/30/24 10:30	2
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			07/11/24 11:04	1
Sulfate (SM 4500 SO4 E)	440		50		mg/L			06/25/24 16:47	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	124.18				ft			06/24/24 12:37	1
Depth to Water (ft from MP)	126.56				ft			06/24/24 12:37	1
Elevation of well (ft from MP)	627.55				ft			06/24/24 12:37	1
Field pH	8.34				SU			06/24/24 12:37	1
Field Temperature	78.3				Degrees F			06/24/24 12:37	1
Ground Water Elevation	500.99				ft			06/24/24 12:37	1
Specific Conductance	1355				umhos/cm			06/24/24 12:37	1
Well bottom elevation	447.38				ft			06/24/24 12:37	1
Field Turbidity	9.75				NTU			06/24/24 12:37	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T06S

Lab Sample ID: 500-252337-19

Date Collected: 06/25/24 12:07

Matrix: Water

Date Received: 06/25/24 15:25

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		07/12/24 08:45	07/15/24 11:07	1
Arsenic	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Barium	0.035		0.0025		mg/L		07/12/24 08:45	07/15/24 11:07	1
Beryllium	<0.0010	^1+	0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Boron	0.70		0.050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Cadmium	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Calcium	89		0.20		mg/L		07/12/24 08:45	07/15/24 11:07	1
Chromium	<0.0050		0.0050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Cobalt	<0.0010		0.0010		mg/L		07/12/24 08:45	07/15/24 11:07	1
Lead	<0.00050		0.00050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Lithium	0.025		0.010		mg/L		07/12/24 08:45	07/15/24 14:40	1
Molybdenum	0.0083		0.0050		mg/L		07/12/24 08:45	07/15/24 11:07	1
Selenium	<0.0025		0.0025		mg/L		07/12/24 08:45	07/15/24 11:07	1
Thallium	<0.0020		0.0020		mg/L		07/12/24 08:45	07/15/24 11:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			06/26/24 22:18	1
Chloride (SM 4500 Cl- E)	13		2.0		mg/L			06/30/24 10:12	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			07/11/24 11:09	1
Sulfate (SM 4500 SO4 E)	91		10		mg/L			06/30/24 14:38	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	112.36				ft			06/25/24 12:07	1
Depth to Water (ft from MP)	114.66				ft			06/25/24 12:07	1
Elevation of well (ft from MP)	621.05				ft			06/25/24 12:07	1
Field pH	7.16				SU			06/25/24 12:07	1
Field Temperature	68.7				Degrees F			06/25/24 12:07	1
Ground Water Elevation	506.39				ft			06/25/24 12:07	1
Specific Conductance	750				umhos/cm			06/25/24 12:07	1
Well bottom elevation	447.94				ft			06/25/24 12:07	1
Field Turbidity	0.97				NTU			06/25/24 12:07	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T05S

Lab Sample ID: 500-252337-20

Date Collected: 06/25/24 13:52

Matrix: Water

Date Received: 06/25/24 15:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.060		0.060		mg/L		07/12/24 08:45	07/15/24 11:09	20
Arsenic	0.11		0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Barium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:09	20
Beryllium	<0.020	^1+	0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Boron	12		1.0		mg/L		07/12/24 08:45	07/15/24 11:09	20
Cadmium	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:09	20
Calcium	<4.0		4.0		mg/L		07/12/24 08:45	07/15/24 11:09	20
Chromium	<0.10		0.10		mg/L		07/12/24 08:45	07/15/24 11:09	20
Cobalt	<0.020		0.020		mg/L		07/12/24 08:45	07/15/24 11:09	20
Lead	<0.010		0.010		mg/L		07/12/24 08:45	07/15/24 11:09	20
Lithium	<0.20	^1+	0.20		mg/L		07/12/24 08:45	07/15/24 11:09	20
Molybdenum	0.88		0.10		mg/L		07/12/24 08:45	07/15/24 11:09	20
Selenium	<0.050		0.050		mg/L		07/12/24 08:45	07/15/24 11:09	20
Thallium	<0.040		0.040		mg/L		07/12/24 08:45	07/15/24 11:09	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			06/26/24 22:21	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/30/24 10:30	5
Fluoride (SM 4500 F C)	1.6		0.10		mg/L			07/11/24 11:14	1
Sulfate (SM 4500 SO4 E)	590		100		mg/L			06/30/24 15:04	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	117.81				ft			06/25/24 13:52	1
Depth to Water (ft from MP)	120.21				ft			06/25/24 13:52	1
Elevation of well (ft from MP)	623.50				ft			06/25/24 13:52	1
Field pH	10.18				SU			06/25/24 13:52	1
Field Temperature	68.4				Degrees F			06/25/24 13:52	1
Ground Water Elevation	503.29				ft			06/25/24 13:52	1
Specific Conductance	2250				umhos/cm			06/25/24 13:52	1
Well bottom elevation	448.35				ft			06/25/24 13:52	1
Field Turbidity	0.58				NTU			06/25/24 13:52	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T01S

Lab Sample ID: 500-252337-21

Date Collected: 06/28/24 09:50

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:34	1
Arsenic	0.013		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Barium	0.044		0.0025		mg/L		07/09/24 10:02	07/10/24 19:34	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Boron	3.6		0.25		mg/L		07/12/24 08:45	07/15/24 11:15	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Calcium	45		0.20		mg/L		07/09/24 10:02	07/10/24 19:34	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Cobalt	0.0021		0.0010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Lead	0.00084		0.00050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Lithium	0.011		0.010		mg/L		07/09/24 10:02	07/10/24 19:34	1
Molybdenum	0.27		0.0050		mg/L		07/09/24 10:02	07/10/24 19:34	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:34	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	910		10		mg/L			07/03/24 01:48	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			07/03/24 11:31	5
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			07/11/24 11:19	1
Sulfate (SM 4500 SO4 E)	400		50		mg/L			07/07/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	116.86				ft			06/28/24 09:50	1
Depth to Water (ft from MP)	119.34				ft			06/28/24 09:50	1
Elevation of well (ft from MP)	621.84				ft			06/28/24 09:50	1
Field pH	7.28				SU			06/28/24 09:50	1
Field Temperature	64.9				Degrees F			06/28/24 09:50	1
Ground Water Elevation	502.50				ft			06/28/24 09:50	1
Specific Conductance	1339				umhos/cm			06/28/24 09:50	1
Well bottom elevation	451.46				ft			06/28/24 09:50	1
Field Turbidity	56.70				NTU			06/28/24 09:50	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T09S

Lab Sample ID: 500-252337-22

Date Collected: 06/28/24 11:58

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:37	1
Arsenic	0.0054		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Barium	0.061		0.0025		mg/L		07/09/24 10:02	07/10/24 19:37	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Boron	4.2		0.25		mg/L		07/12/24 08:45	07/15/24 11:17	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Calcium	130		0.20		mg/L		07/09/24 10:02	07/10/24 19:37	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Cobalt	0.0017		0.0010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Lead	0.0011		0.00050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Lithium	0.078		0.010		mg/L		07/09/24 10:02	07/10/24 19:37	1
Molybdenum	0.64		0.0050		mg/L		07/09/24 10:02	07/10/24 19:37	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:37	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	890		10		mg/L			07/03/24 01:55	1
Chloride (SM 4500 Cl- E)	58		4.0		mg/L			07/03/24 11:31	2
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			07/11/24 11:24	1
Sulfate (SM 4500 SO4 E)	350		50		mg/L			07/07/24 15:54	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	101.27				ft			06/28/24 11:58	1
Depth to Water (ft from MP)	103.67				ft			06/28/24 11:58	1
Elevation of well (ft from MP)	603.48				ft			06/28/24 11:58	1
Field pH	7.29				SU			06/28/24 11:58	1
Field Temperature	59.2				Degrees F			06/28/24 11:58	1
Ground Water Elevation	499.81				ft			06/28/24 11:58	1
Specific Conductance	1140				umhos/cm			06/28/24 11:58	1
Well bottom elevation	444.80				ft			06/28/24 11:58	1
Field Turbidity	216.00				NTU			06/28/24 11:58	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

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		07/09/24 10:02	07/10/24 19:39	1
Arsenic	0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Barium	0.041		0.0025		mg/L		07/09/24 10:02	07/10/24 19:39	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Boron	0.19		0.050		mg/L		07/12/24 08:45	07/15/24 11:19	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Calcium	110		0.20		mg/L		07/09/24 10:02	07/10/24 19:39	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Lead	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Lithium	0.019		0.010		mg/L		07/09/24 10:02	07/10/24 19:39	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 19:39	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 19:39	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 19:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	670		10		mg/L			07/03/24 02:01	1
Chloride (SM 4500 Cl- E)	36		2.0		mg/L			07/03/24 11:11	1
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			07/11/24 11:39	1
Sulfate (SM 4500 SO4 E)	200		25		mg/L			07/07/24 15:42	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	57.45				ft			06/28/24 13:29	1
Depth to Water (ft from MP)	60.19				ft			06/28/24 13:29	1
Elevation of well (ft from MP)	559.48				ft			06/28/24 13:29	1
Field pH	7.50				SU			06/28/24 13:29	1
Field Temperature	64.8				Degrees F			06/28/24 13:29	1
Ground Water Elevation	499.29				ft			06/28/24 13:29	1
Specific Conductance	890				umhos/cm			06/28/24 13:29	1
Well bottom elevation	445.60				ft			06/28/24 13:29	1
Field Turbidity	61.40				NTU			06/28/24 13:29	1

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Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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
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: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals

Prep Batch: 775705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	7470A	
500-252337-2	G30S	Total/NA	Water	7470A	
500-252337-3	R08S	Total/NA	Water	7470A	
500-252337-4	DUP of R08S	Total/NA	Water	7470A	
500-252337-5	G33S	Total/NA	Water	7470A	
500-252337-6	G46S	Total/NA	Water	7470A	
500-252337-7	T12S	Total/NA	Water	7470A	
500-252337-8	G48S	Total/NA	Water	7470A	
500-252337-9	G47S	Total/NA	Water	7470A	
500-252337-10	T13S	Total/NA	Water	7470A	
500-252337-11	T03S	Total/NA	Water	7470A	
500-252337-12	G44S	Total/NA	Water	7470A	
500-252337-13	G39S	Total/NA	Water	7470A	
500-252337-14	R32S	Total/NA	Water	7470A	
500-252337-15	G45S	Total/NA	Water	7470A	
500-252337-16	G31S	Total/NA	Water	7470A	
500-252337-17	T02S	Total/NA	Water	7470A	
500-252337-18	T08S	Total/NA	Water	7470A	
500-252337-19	T06S	Total/NA	Water	7470A	
500-252337-20	T05S	Total/NA	Water	7470A	
MB 500-775705/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775705/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-252337-10 MS	T13S	Total/NA	Water	7470A	
500-252337-10 MSD	T13S	Total/NA	Water	7470A	
500-252337-10 DU	T13S	Total/NA	Water	7470A	

Prep Batch: 775706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	7470A	
500-252337-22	T09S	Total/NA	Water	7470A	
500-252337-23	T11S	Total/NA	Water	7470A	
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 775862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total Recoverable	Water	3005A	
500-252337-22	T09S	Total Recoverable	Water	3005A	
500-252337-23	T11S	Total Recoverable	Water	3005A	
MB 500-775862/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775862/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 775890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	7470A	775705
500-252337-2	G30S	Total/NA	Water	7470A	775705
500-252337-3	R08S	Total/NA	Water	7470A	775705
500-252337-4	DUP of R08S	Total/NA	Water	7470A	775705
500-252337-5	G33S	Total/NA	Water	7470A	775705
500-252337-6	G46S	Total/NA	Water	7470A	775705
500-252337-7	T12S	Total/NA	Water	7470A	775705

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals (Continued)

Analysis Batch: 775890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-8	G48S	Total/NA	Water	7470A	775705
500-252337-9	G47S	Total/NA	Water	7470A	775705
500-252337-10	T13S	Total/NA	Water	7470A	775705
500-252337-11	T03S	Total/NA	Water	7470A	775705
500-252337-12	G44S	Total/NA	Water	7470A	775705
500-252337-13	G39S	Total/NA	Water	7470A	775705
500-252337-14	R32S	Total/NA	Water	7470A	775705
500-252337-15	G45S	Total/NA	Water	7470A	775705
500-252337-16	G31S	Total/NA	Water	7470A	775705
500-252337-17	T02S	Total/NA	Water	7470A	775705
500-252337-18	T08S	Total/NA	Water	7470A	775705
500-252337-19	T06S	Total/NA	Water	7470A	775705
500-252337-20	T05S	Total/NA	Water	7470A	775705
500-252337-21	T01S	Total/NA	Water	7470A	775706
500-252337-22	T09S	Total/NA	Water	7470A	775706
500-252337-23	T11S	Total/NA	Water	7470A	775706
MB 500-775705/12-A	Method Blank	Total/NA	Water	7470A	775705
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	775706
LCS 500-775705/13-A	Lab Control Sample	Total/NA	Water	7470A	775705
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	775706
500-252337-10 MS	T13S	Total/NA	Water	7470A	775705
500-252337-10 MSD	T13S	Total/NA	Water	7470A	775705
500-252337-10 DU	T13S	Total/NA	Water	7470A	775705

Prep Batch: 776059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	3005A	
500-252337-2	G30S	Total Recoverable	Water	3005A	
500-252337-3	R08S	Total Recoverable	Water	3005A	
500-252337-4	DUP of R08S	Total Recoverable	Water	3005A	
500-252337-5	G33S	Total Recoverable	Water	3005A	
500-252337-6	G46S	Total Recoverable	Water	3005A	
500-252337-7	T12S	Total Recoverable	Water	3005A	
500-252337-8	G48S	Total Recoverable	Water	3005A	
500-252337-9	G47S	Total Recoverable	Water	3005A	
500-252337-10	T13S	Total Recoverable	Water	3005A	
500-252337-11	T03S	Total Recoverable	Water	3005A	
500-252337-12	G44S	Total Recoverable	Water	3005A	
500-252337-13	G39S	Total Recoverable	Water	3005A	
500-252337-14	R32S	Total Recoverable	Water	3005A	
MB 500-776059/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776059/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252337-1 MS	G20S	Total Recoverable	GW	3005A	
500-252337-1 MSD	G20S	Total Recoverable	GW	3005A	
500-252337-1 DU	G20S	Total Recoverable	GW	3005A	

Analysis Batch: 776195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	6020B	776059
500-252337-2	G30S	Total Recoverable	Water	6020B	776059
500-252337-3	R08S	Total Recoverable	Water	6020B	776059

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals (Continued)

Analysis Batch: 776195 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-4	DUP of R08S	Total Recoverable	Water	6020B	776059
500-252337-5	G33S	Total Recoverable	Water	6020B	776059
500-252337-6	G46S	Total Recoverable	Water	6020B	776059
500-252337-7	T12S	Total Recoverable	Water	6020B	776059
500-252337-8	G48S	Total Recoverable	Water	6020B	776059
500-252337-9	G47S	Total Recoverable	Water	6020B	776059
500-252337-10	T13S	Total Recoverable	Water	6020B	776059
500-252337-11	T03S	Total Recoverable	Water	6020B	776059
500-252337-12	G44S	Total Recoverable	Water	6020B	776059
500-252337-13	G39S	Total Recoverable	Water	6020B	776059
500-252337-14	R32S	Total Recoverable	Water	6020B	776059
500-252337-21	T01S	Total Recoverable	Water	6020B	775862
500-252337-22	T09S	Total Recoverable	Water	6020B	775862
500-252337-23	T11S	Total Recoverable	Water	6020B	775862
MB 500-775862/1-A	Method Blank	Total Recoverable	Water	6020B	775862
MB 500-776059/1-A	Method Blank	Total Recoverable	Water	6020B	776059
LCS 500-775862/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775862
LCS 500-776059/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776059
500-252337-1 MS	G20S	Total Recoverable	GW	6020B	776059
500-252337-1 MSD	G20S	Total Recoverable	GW	6020B	776059
500-252337-1 DU	G20S	Total Recoverable	GW	6020B	776059

Prep Batch: 776400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	3005A	
500-252337-2	G30S	Total Recoverable	Water	3005A	
500-252337-3	R08S	Total Recoverable	Water	3005A	
500-252337-4	DUP of R08S	Total Recoverable	Water	3005A	
500-252337-5	G33S	Total Recoverable	Water	3005A	
500-252337-6	G46S	Total Recoverable	Water	3005A	
500-252337-7	T12S	Total Recoverable	Water	3005A	
500-252337-8	G48S	Total Recoverable	Water	3005A	
500-252337-9	G47S	Total Recoverable	Water	3005A	
500-252337-10	T13S	Total Recoverable	Water	3005A	
500-252337-11	T03S	Total Recoverable	Water	3005A	
500-252337-12	G44S	Total Recoverable	Water	3005A	
500-252337-13	G39S	Total Recoverable	Water	3005A	
500-252337-14	R32S	Total Recoverable	Water	3005A	
500-252337-15	G45S	Total Recoverable	Water	3005A	
500-252337-16	G31S	Total Recoverable	Water	3005A	
500-252337-17	T02S	Total Recoverable	Water	3005A	
500-252337-18	T08S	Total Recoverable	Water	3005A	
500-252337-19	T06S	Total Recoverable	Water	3005A	
500-252337-20	T05S	Total Recoverable	Water	3005A	
MB 500-776400/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776400/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252337-2 MS	G30S	Total Recoverable	Water	3005A	
500-252337-2 MSD	G30S	Total Recoverable	Water	3005A	
500-252337-2 DU	G30S	Total Recoverable	Water	3005A	

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Metals

Prep Batch: 776401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total Recoverable	Water	3005A	
500-252337-22	T09S	Total Recoverable	Water	3005A	
500-252337-23	T11S	Total Recoverable	Water	3005A	
MB 500-776401/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-776401/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 776631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total Recoverable	GW	6020B	776400
500-252337-2	G30S	Total Recoverable	Water	6020B	776400
MB 500-776400/1-A	Method Blank	Total Recoverable	Water	6020B	776400
MB 500-776401/1-A	Method Blank	Total Recoverable	Water	6020B	776401
LCS 500-776400/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776400
LCS 500-776401/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776401
500-252337-2 MS	G30S	Total Recoverable	Water	6020B	776400
500-252337-2 MSD	G30S	Total Recoverable	Water	6020B	776400
500-252337-2 DU	G30S	Total Recoverable	Water	6020B	776400

Analysis Batch: 776748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-3	R08S	Total Recoverable	Water	6020B	776400
500-252337-4	DUP of R08S	Total Recoverable	Water	6020B	776400
500-252337-5	G33S	Total Recoverable	Water	6020B	776400
500-252337-6	G46S	Total Recoverable	Water	6020B	776400
500-252337-7	T12S	Total Recoverable	Water	6020B	776400
500-252337-8	G48S	Total Recoverable	Water	6020B	776400
500-252337-9	G47S	Total Recoverable	Water	6020B	776400
500-252337-10	T13S	Total Recoverable	Water	6020B	776400
500-252337-11	T03S	Total Recoverable	Water	6020B	776400
500-252337-12	G44S	Total Recoverable	Water	6020B	776400
500-252337-13	G39S	Total Recoverable	Water	6020B	776400
500-252337-14	R32S	Total Recoverable	Water	6020B	776400
500-252337-15	G45S	Total Recoverable	Water	6020B	776400
500-252337-16	G31S	Total Recoverable	Water	6020B	776400
500-252337-17	T02S	Total Recoverable	Water	6020B	776400
500-252337-18	T08S	Total Recoverable	Water	6020B	776400
500-252337-19	T06S	Total Recoverable	Water	6020B	776400
500-252337-20	T05S	Total Recoverable	Water	6020B	776400
500-252337-21	T01S	Total Recoverable	Water	6020B	776401
500-252337-22	T09S	Total Recoverable	Water	6020B	776401
500-252337-23	T11S	Total Recoverable	Water	6020B	776401

Analysis Batch: 776761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-15	G45S	Total Recoverable	Water	6020B	776400
500-252337-16	G31S	Total Recoverable	Water	6020B	776400
500-252337-19	T06S	Total Recoverable	Water	6020B	776400

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry

Analysis Batch: 773324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 Cl- E	
MB 500-773324/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-773324/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 773523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-2	G30S	Total/NA	Water	SM 4500 Cl- E	
500-252337-3	R08S	Total/NA	Water	SM 4500 Cl- E	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 Cl- E	
500-252337-5	G33S	Total/NA	Water	SM 4500 Cl- E	
MB 500-773523/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-773523/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 773545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 2540C	
500-252337-2	G30S	Total/NA	Water	SM 2540C	
500-252337-3	R08S	Total/NA	Water	SM 2540C	
500-252337-4	DUP of R08S	Total/NA	Water	SM 2540C	
500-252337-5	G33S	Total/NA	Water	SM 2540C	
500-252337-6	G46S	Total/NA	Water	SM 2540C	
500-252337-7	T12S	Total/NA	Water	SM 2540C	
500-252337-8	G48S	Total/NA	Water	SM 2540C	
500-252337-9	G47S	Total/NA	Water	SM 2540C	
500-252337-10	T13S	Total/NA	Water	SM 2540C	
MB 500-773545/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773545/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 773814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-11	T03S	Total/NA	Water	SM 2540C	
500-252337-12	G44S	Total/NA	Water	SM 2540C	
500-252337-13	G39S	Total/NA	Water	SM 2540C	
MB 500-773814/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773814/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 773841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-6	G46S	Total/NA	Water	SM 4500 Cl- E	
500-252337-7	T12S	Total/NA	Water	SM 4500 Cl- E	
500-252337-8	G48S	Total/NA	Water	SM 4500 Cl- E	
500-252337-9	G47S	Total/NA	Water	SM 4500 Cl- E	
500-252337-10	T13S	Total/NA	Water	SM 4500 Cl- E	
500-252337-11	T03S	Total/NA	Water	SM 4500 Cl- E	
500-252337-12	G44S	Total/NA	Water	SM 4500 Cl- E	
500-252337-13	G39S	Total/NA	Water	SM 4500 Cl- E	
500-252337-14	R32S	Total/NA	Water	SM 4500 Cl- E	
500-252337-15	G45S	Total/NA	Water	SM 4500 Cl- E	
500-252337-16	G31S	Total/NA	Water	SM 4500 Cl- E	
MB 500-773841/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-773841/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 773841 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-773841/65	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-252337-7 MS	T12S	Total/NA	Water	SM 4500 Cl- E	
500-252337-7 MSD	T12S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 774273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 SO4 E	
500-252337-2	G30S	Total/NA	Water	SM 4500 SO4 E	
500-252337-3	R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-5	G33S	Total/NA	Water	SM 4500 SO4 E	
500-252337-6	G46S	Total/NA	Water	SM 4500 SO4 E	
500-252337-7	T12S	Total/NA	Water	SM 4500 SO4 E	
500-252337-8	G48S	Total/NA	Water	SM 4500 SO4 E	
500-252337-9	G47S	Total/NA	Water	SM 4500 SO4 E	
500-252337-10	T13S	Total/NA	Water	SM 4500 SO4 E	
500-252337-11	T03S	Total/NA	Water	SM 4500 SO4 E	
500-252337-12	G44S	Total/NA	Water	SM 4500 SO4 E	
500-252337-13	G39S	Total/NA	Water	SM 4500 SO4 E	
500-252337-14	R32S	Total/NA	Water	SM 4500 SO4 E	
500-252337-15	G45S	Total/NA	Water	SM 4500 SO4 E	
500-252337-16	G31S	Total/NA	Water	SM 4500 SO4 E	
500-252337-17	T02S	Total/NA	Water	SM 4500 SO4 E	
500-252337-18	T08S	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/118	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/169	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/119	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/170	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-252337-4 MS	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	
500-252337-4 MSD	DUP of R08S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 774406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-14	R32S	Total/NA	Water	SM 2540C	
500-252337-15	G45S	Total/NA	Water	SM 2540C	
500-252337-16	G31S	Total/NA	Water	SM 2540C	
500-252337-17	T02S	Total/NA	Water	SM 2540C	
500-252337-18	T08S	Total/NA	Water	SM 2540C	
500-252337-19	T06S	Total/NA	Water	SM 2540C	
500-252337-20	T05S	Total/NA	Water	SM 2540C	
MB 500-774406/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-774406/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252337-14 MS	R32S	Total/NA	Water	SM 2540C	
500-252337-14 DU	R32S	Total/NA	Water	SM 2540C	
500-252337-15 DU	G45S	Total/NA	Water	SM 2540C	

Analysis Batch: 774848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	SM 4500 Cl- E	
500-252337-18	T08S	Total/NA	Water	SM 4500 Cl- E	
500-252337-19	T06S	Total/NA	Water	SM 4500 Cl- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 774848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-20	T05S	Total/NA	Water	SM 4500 Cl- E	
MB 500-774848/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-774848/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 774850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	SM 4500 SO4 E	
500-252337-20	T05S	Total/NA	Water	SM 4500 SO4 E	
MB 500-774850/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774850/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 775207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 2540C	
500-252337-22	T09S	Total/NA	Water	SM 2540C	
500-252337-23	T11S	Total/NA	Water	SM 2540C	
MB 500-775207/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-775207/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252337-21 MS	T01S	Total/NA	Water	SM 2540C	
500-252337-21 DU	T01S	Total/NA	Water	SM 2540C	
500-252337-22 DU	T09S	Total/NA	Water	SM 2540C	

Analysis Batch: 775348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 4500 Cl- E	
500-252337-22	T09S	Total/NA	Water	SM 4500 Cl- E	
500-252337-23	T11S	Total/NA	Water	SM 4500 Cl- E	
MB 500-775348/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-775348/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 775601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	SM 4500 SO4 E	
500-252337-22	T09S	Total/NA	Water	SM 4500 SO4 E	
500-252337-23	T11S	Total/NA	Water	SM 4500 SO4 E	
MB 500-775601/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-775601/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 776165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	SM 4500 F C	
500-252337-2	G30S	Total/NA	Water	SM 4500 F C	
500-252337-3	R08S	Total/NA	Water	SM 4500 F C	
500-252337-4	DUP of R08S	Total/NA	Water	SM 4500 F C	
500-252337-5	G33S	Total/NA	Water	SM 4500 F C	
500-252337-6	G46S	Total/NA	Water	SM 4500 F C	
500-252337-7	T12S	Total/NA	Water	SM 4500 F C	
500-252337-8	G48S	Total/NA	Water	SM 4500 F C	
500-252337-9	G47S	Total/NA	Water	SM 4500 F C	
500-252337-10	T13S	Total/NA	Water	SM 4500 F C	
500-252337-11	T03S	Total/NA	Water	SM 4500 F C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

General Chemistry (Continued)

Analysis Batch: 776165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-12	G44S	Total/NA	Water	SM 4500 F C	
500-252337-13	G39S	Total/NA	Water	SM 4500 F C	
500-252337-14	R32S	Total/NA	Water	SM 4500 F C	
MB 500-776165/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-776165/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252337-14 MS	R32S	Total/NA	Water	SM 4500 F C	
500-252337-14 MSD	R32S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 776311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-15	G45S	Total/NA	Water	SM 4500 F C	
500-252337-16	G31S	Total/NA	Water	SM 4500 F C	
500-252337-17	T02S	Total/NA	Water	SM 4500 F C	
500-252337-18	T08S	Total/NA	Water	SM 4500 F C	
500-252337-19	T06S	Total/NA	Water	SM 4500 F C	
500-252337-20	T05S	Total/NA	Water	SM 4500 F C	
500-252337-21	T01S	Total/NA	Water	SM 4500 F C	
500-252337-22	T09S	Total/NA	Water	SM 4500 F C	
500-252337-23	T11S	Total/NA	Water	SM 4500 F C	
MB 500-776311/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-776311/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 773151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	Field Sampling	
500-252337-2	G30S	Total/NA	Water	Field Sampling	
500-252337-3	R08S	Total/NA	Water	Field Sampling	
500-252337-4	DUP of R08S	Total/NA	Water	Field Sampling	
500-252337-5	G33S	Total/NA	Water	Field Sampling	
500-252337-6	G46S	Total/NA	Water	Field Sampling	
500-252337-7	T12S	Total/NA	Water	Field Sampling	
500-252337-8	G48S	Total/NA	Water	Field Sampling	
500-252337-9	G47S	Total/NA	Water	Field Sampling	
500-252337-10	T13S	Total/NA	Water	Field Sampling	
500-252337-11	T03S	Total/NA	Water	Field Sampling	
500-252337-12	G44S	Total/NA	Water	Field Sampling	
500-252337-13	G39S	Total/NA	Water	Field Sampling	
500-252337-14	R32S	Total/NA	Water	Field Sampling	
500-252337-15	G45S	Total/NA	Water	Field Sampling	
500-252337-16	G31S	Total/NA	Water	Field Sampling	
500-252337-17	T02S	Total/NA	Water	Field Sampling	
500-252337-18	T08S	Total/NA	Water	Field Sampling	
500-252337-19	T06S	Total/NA	Water	Field Sampling	
500-252337-20	T05S	Total/NA	Water	Field Sampling	
500-252337-21	T01S	Total/NA	Water	Field Sampling	
500-252337-22	T09S	Total/NA	Water	Field Sampling	
500-252337-23	T11S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-775862/1-A

Matrix: Water

Analysis Batch: 776195

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 775862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 10:02	07/10/24 16:45	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Barium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 16:45	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Calcium	<0.20		0.20		mg/L		07/09/24 10:02	07/10/24 16:45	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Lead	<0.00050		0.00050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Lithium	<0.010		0.010		mg/L		07/09/24 10:02	07/10/24 16:45	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 10:02	07/10/24 16:45	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 10:02	07/10/24 16:45	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 10:02	07/10/24 16:45	1

Lab Sample ID: LCS 500-775862/2-A

Matrix: Water

Analysis Batch: 776195

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 775862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.524		mg/L		105	80 - 120
Arsenic	0.100	0.0997		mg/L		100	80 - 120
Barium	0.500	0.514		mg/L		103	80 - 120
Beryllium	0.0500	0.0531		mg/L		106	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	10.0	8.38		mg/L		84	80 - 120
Chromium	0.200	0.210		mg/L		105	80 - 120
Cobalt	0.500	0.525		mg/L		105	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	0.997		mg/L		100	80 - 120
Selenium	0.100	0.0980		mg/L		98	80 - 120
Thallium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: MB 500-776059/1-A

Matrix: Water

Analysis Batch: 776195

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 776059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/10/24 10:34	07/10/24 18:12	1
Arsenic	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Barium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:12	1
Beryllium	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Cadmium	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Calcium	<0.20		0.20		mg/L		07/10/24 10:34	07/10/24 18:12	1
Chromium	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Cobalt	<0.0010		0.0010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Lead	<0.00050		0.00050		mg/L		07/10/24 10:34	07/10/24 18:12	1
Lithium	<0.010		0.010		mg/L		07/10/24 10:34	07/10/24 18:12	1
Molybdenum	<0.0050		0.0050		mg/L		07/10/24 10:34	07/10/24 18:12	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: MB 500-776059/1-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0025		0.0025		mg/L		07/10/24 10:34	07/10/24 18:12	1
Thallium	<0.0020		0.0020		mg/L		07/10/24 10:34	07/10/24 18:12	1

Lab Sample ID: LCS 500-776059/2-A
Matrix: Water
Analysis Batch: 776195

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.514		mg/L		103	80 - 120
Arsenic	0.100	0.0974		mg/L		97	80 - 120
Barium	0.500	0.511		mg/L		102	80 - 120
Beryllium	0.0500	0.0516		mg/L		103	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	10.0	8.14		mg/L		81	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120
Molybdenum	1.00	0.971		mg/L		97	80 - 120
Selenium	0.100	0.0964		mg/L		96	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: 500-252337-1 MS
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.529		mg/L		106	75 - 125
Arsenic	0.0013		0.100	0.101		mg/L		100	75 - 125
Barium	0.044		0.500	0.559		mg/L		103	75 - 125
Beryllium	<0.0010		0.0500	0.0507		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0511		mg/L		102	75 - 125
Calcium	56		10.0	69.0	4	mg/L		130	75 - 125
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125
Lead	<0.00050		0.100	0.105		mg/L		104	75 - 125
Lithium	0.037		0.100	0.139		mg/L		101	75 - 125
Molybdenum	0.015		1.00	1.02		mg/L		100	75 - 125
Selenium	<0.0025		0.100	0.0978		mg/L		98	75 - 125
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125

Lab Sample ID: 500-252337-1 MSD
Matrix: GW
Analysis Batch: 776195

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.523		mg/L		104	75 - 125	1	20
Arsenic	0.0013		0.100	0.101		mg/L		100	75 - 125	0	20
Barium	0.044		0.500	0.550		mg/L		101	75 - 125	2	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-1 MSD

Matrix: GW

Analysis Batch: 776195

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.0010		0.0500	0.0510		mg/L		102	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0506		mg/L		101	75 - 125	1	20
Calcium	56		10.0	66.7	4	mg/L		108	75 - 125	3	20
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125	0	20
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125	0	20
Lead	<0.00050		0.100	0.105		mg/L		104	75 - 125	0	20
Lithium	0.037		0.100	0.139		mg/L		101	75 - 125	0	20
Molybdenum	0.015		1.00	1.02		mg/L		100	75 - 125	0	20
Selenium	<0.0025		0.100	0.0970		mg/L		97	75 - 125	1	20
Thallium	<0.0020		0.100	0.107		mg/L		107	75 - 125	1	20

Lab Sample ID: 500-252337-1 DU

Matrix: GW

Analysis Batch: 776195

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 776059

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0013		0.00132		mg/L		3	20
Barium	0.044		0.0444		mg/L		0.4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	56		56.2		mg/L		0.4	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	0.037		0.0372		mg/L		0.4	20
Molybdenum	0.015		0.0145		mg/L		0.5	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: MB 500-776400/1-A

Matrix: Water

Analysis Batch: 776631

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 776400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/12/24 08:45	07/12/24 16:13	1

Lab Sample ID: LCS 500-776400/2-A

Matrix: Water

Analysis Batch: 776631

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 776400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.967		mg/L		97	80 - 120

Lab Sample ID: 500-252337-2 MS

Matrix: Water

Analysis Batch: 776631

Client Sample ID: G30S

Prep Type: Total Recoverable

Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	5.1		1.00	5.73	4	mg/L		59	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 500-252337-2 MSD

Matrix: Water

Analysis Batch: 776631

Client Sample ID: G30S

Prep Type: Total Recoverable

Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	5.1		1.00	5.87	4	mg/L		72	75 - 125	2	20

Lab Sample ID: 500-252337-2 DU

Matrix: Water

Analysis Batch: 776631

Client Sample ID: G30S

Prep Type: Total Recoverable

Prep Batch: 776400

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	5.1		5.05		mg/L		2	20

Lab Sample ID: MB 500-776401/1-A

Matrix: Water

Analysis Batch: 776631

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 776401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/12/24 08:45	07/12/24 16:17	1

Lab Sample ID: LCS 500-776401/2-A

Matrix: Water

Analysis Batch: 776631

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 776401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.02		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-775705/12-A

Matrix: Water

Analysis Batch: 775890

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 775705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:15	1

Lab Sample ID: LCS 500-775705/13-A

Matrix: Water

Analysis Batch: 775890

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 775705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

Lab Sample ID: 500-252337-10 MS

Matrix: Water

Analysis Batch: 775890

Client Sample ID: T13S

Prep Type: Total/NA

Prep Batch: 775705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00125		mg/L		125	75 - 125

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-10 MSD

Matrix: Water

Analysis Batch: 775890

Client Sample ID: T13S

Prep Type: Total/NA

Prep Batch: 775705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00104		mg/L		104	75 - 125	18	20

Lab Sample ID: 500-252337-10 DU

Matrix: Water

Analysis Batch: 775890

Client Sample ID: T13S

Prep Type: Total/NA

Prep Batch: 775705

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

Lab Sample ID: MB 500-775706/12-A

Matrix: Water

Analysis Batch: 775890

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 775706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:16	1

Lab Sample ID: LCS 500-775706/13-A

Matrix: Water

Analysis Batch: 775890

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 775706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

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

Lab Sample ID: MB 500-773545/1

Matrix: Water

Analysis Batch: 773545

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			06/20/24 22:29	1

Lab Sample ID: LCS 500-773545/2

Matrix: Water

Analysis Batch: 773545

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 500-773814/1

Matrix: Water

Analysis Batch: 773814

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			06/23/24 20:42	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: LCS 500-773814/2

Matrix: Water

Analysis Batch: 773814

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	254		mg/L		102	80 - 120

Lab Sample ID: MB 500-774406/1

Matrix: Water

Analysis Batch: 774406

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			06/26/24 21:53	1

Lab Sample ID: LCS 500-774406/2

Matrix: Water

Analysis Batch: 774406

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	274		mg/L		110	80 - 120

Lab Sample ID: 500-252337-14 MS

Matrix: Water

Analysis Batch: 774406

Client Sample ID: R32S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	730		250	964		mg/L		94	75 - 125

Lab Sample ID: 500-252337-14 DU

Matrix: Water

Analysis Batch: 774406

Client Sample ID: R32S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	730		702		mg/L		4	5

Lab Sample ID: 500-252337-15 DU

Matrix: Water

Analysis Batch: 774406

Client Sample ID: G45S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	660		648		mg/L		1	5

Lab Sample ID: MB 500-775207/1

Matrix: Water

Analysis Batch: 775207

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			07/03/24 01:43	1

Lab Sample ID: LCS 500-775207/2

Matrix: Water

Analysis Batch: 775207

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

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: 500-252337-21 MS

Matrix: Water

Analysis Batch: 775207

Client Sample ID: T01S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	910		250	1140		mg/L		91	75 - 125

Lab Sample ID: 500-252337-21 DU

Matrix: Water

Analysis Batch: 775207

Client Sample ID: T01S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	910		916		mg/L		0.2	5

Lab Sample ID: 500-252337-22 DU

Matrix: Water

Analysis Batch: 775207

Client Sample ID: T09S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	890		864		mg/L		3	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-773324/67

Matrix: Water

Analysis Batch: 773324

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			06/19/24 12:20	1

Lab Sample ID: LCS 500-773324/68

Matrix: Water

Analysis Batch: 773324

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	19.6		mg/L		98	85 - 115

Lab Sample ID: MB 500-773523/16

Matrix: Water

Analysis Batch: 773523

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			06/20/24 10:14	1

Lab Sample ID: LCS 500-773523/17

Matrix: Water

Analysis Batch: 773523

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	19.3		mg/L		96	85 - 115

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

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

Lab Sample ID: MB 500-773841/16

Matrix: Water

Analysis Batch: 773841

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			06/23/24 11:20	1

Lab Sample ID: LCS 500-773841/17

Matrix: Water

Analysis Batch: 773841

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	19.4		mg/L		97	85 - 115

Lab Sample ID: LCS 500-773841/65

Matrix: Water

Analysis Batch: 773841

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	19.6		mg/L		98	85 - 115

Lab Sample ID: 500-252337-7 MS

Matrix: Water

Analysis Batch: 773841

Client Sample ID: T12S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	74		20.0	91.1		mg/L		84	75 - 125

Lab Sample ID: 500-252337-7 MSD

Matrix: Water

Analysis Batch: 773841

Client Sample ID: T12S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	74		20.0	91.2		mg/L		85	75 - 125	0	20

Lab Sample ID: MB 500-774848/16

Matrix: Water

Analysis Batch: 774848

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			06/30/24 10:11	1

Lab Sample ID: LCS 500-774848/17

Matrix: Water

Analysis Batch: 774848

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	19.4		mg/L		97	85 - 115

Lab Sample ID: MB 500-775348/16

Matrix: Water

Analysis Batch: 775348

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			07/03/24 11:10	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: LCS 500-775348/17
Matrix: Water
Analysis Batch: 775348

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	18.9		mg/L		94	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-776165/31
Matrix: Water
Analysis Batch: 776165

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			07/10/24 18:53	1

Lab Sample ID: LCS 500-776165/32
Matrix: Water
Analysis Batch: 776165

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

Lab Sample ID: 500-252337-14 MS
Matrix: Water
Analysis Batch: 776165

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.30		5.00	5.50		mg/L		104	75 - 125

Lab Sample ID: 500-252337-14 MSD
Matrix: Water
Analysis Batch: 776165

Client Sample ID: R32S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.30		5.00	5.55		mg/L		105	75 - 125	1	20

Lab Sample ID: MB 500-776311/3
Matrix: Water
Analysis Batch: 776311

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			07/11/24 10:38	1

Lab Sample ID: LCS 500-776311/4
Matrix: Water
Analysis Batch: 776311

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	9.50		mg/L		95	90 - 119

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-774273/118

Matrix: Water

Analysis Batch: 774273

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			06/25/24 15:16	1

Lab Sample ID: MB 500-774273/169

Matrix: Water

Analysis Batch: 774273

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			06/25/24 16:06	1

Lab Sample ID: LCS 500-774273/119

Matrix: Water

Analysis Batch: 774273

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: LCS 500-774273/170

Matrix: Water

Analysis Batch: 774273

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		106	88 - 123

Lab Sample ID: 500-252337-4 MS

Matrix: Water

Analysis Batch: 774273

Client Sample ID: DUP of R08S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	410		20.0	417	4	mg/L		58	75 - 125

Lab Sample ID: 500-252337-4 MSD

Matrix: Water

Analysis Batch: 774273

Client Sample ID: DUP of R08S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	410		20.0	412	4	mg/L		36	75 - 125	1	20

Lab Sample ID: MB 500-774850/16

Matrix: Water

Analysis Batch: 774850

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			06/30/24 14:22	1

Lab Sample ID: LCS 500-774850/17

Matrix: Water

Analysis Batch: 774850

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	20.7		mg/L		103	88 - 123

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-775601/16
Matrix: Water
Analysis Batch: 775601

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			07/07/24 15:24	1

Lab Sample ID: LCS 500-775601/17
Matrix: Water
Analysis Batch: 775601

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	21.1		mg/L		106	88 - 123

TAL-8210

TAL-8210

7/16/2024

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other[illegible]

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other[illegible]

Chain of Custody Record 719234

Environment Testing
America

TAL-8210

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ OtherAddress _____

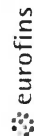
Client Contact		Project Manager: <u>Diana Mockler</u>		Site Contact		Date		COC No																					
Company Name <u>Midwest Generation EME LLC</u>		Tel/Email		Lab Contact		Carrier:		_____ of _____ COCs																					
Address		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>Radium 226</u> <u>Radium 228</u> <u>Combined 226/228</u> <u>TDS, FI, CI, SO4</u> <u>Metals 14 elements + Ag</u>		 500-252337 COC		Sampler																					
City/State/Zip <u>Joliet, IL</u>		☐ CALENDAR DAYS ☐ WORKING DAYS						For Lab Use Only:																					
Phone		TAT if different from Below _____						Walk-in Client																					
Fax		☐ 2 weeks						Lab Sampling																					
Project Name <u>Joliet #9 CCR</u>		☐ 1 week						Job / SDG No <u>337</u>																					
Site <u>2224 GW + Turbidity</u>		☐ 2 days		500-252916		SS 2/1/24		Sample Specific Notes																					
PO #		☐ 1 day																											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.																							
21	T01S	04/28/24	0950		W	5	/	/	/	/	/																		
22	T09S	06/28/24	1158		W	5	/	/	/	/	/																		
23	T11S	06/28/24	1329		W	5	/	/	/	/	/																		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____																													
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown										☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months																			
Special Instructions/QC Requirements & Comments: 36 qt																													
Custody Seals Intact: ☐ Yes ☐ No										Custody Seal No _____ Cooler Temp (°C) Obs'd <u>2.9</u> Corr'd <u>2.5</u> Therm ID No _____																			
Relinquished by <u>[Signature]</u>					Company <u>EETA</u>					Date/Time <u>6/28/24 1550</u>					Received by _____					Company _____					Date/Time _____				
Relinquished by _____					Company _____					Date/Time _____					Received by _____					Company _____					Date/Time _____				
Relinquished by _____					Company _____					Date/Time _____					Received in Laboratory by <u>Stephanie Hernandez</u>					Company <u>EETA</u>					Date/Time <u>6/28/24 1550</u>				

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

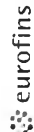
[illegible]

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Lab PM Mockler, Diana J		Carrier Tracking No(s)	
Client Contact Shipping/Receiving				E-Mail Diana.Mockler@eurofins.com	State of Origin Illinois		COC No 500-189738.1
Company TestAmerica Laboratories, Inc.				Accreditations Required (See note) NELAP - Illinois		Page Page 1 of 1	
Address 13715 Rider Trail North,						Job # 500-252337-1	
City Earth City							
State, Zip MO, 63045							
Phone 314-298-8566(Tel) 314-298-8757(Fax)							
Email							
Project Name Joliet #9 (Quarry) CCR 2Q24							
Site NRG Midwest Generation LSQ Joliet #9 CCR							

Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=oils/slurries, A=Asph)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep, 21 Standard Target List	904.0/PrecSep, 0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
G46S (500-252337-6)	6/20/24	09:19 Central		Water	X	X	X	X	X	X	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	3	
T12S (500-252337-7)	6/20/24	10:15 Central		Water	X	X	X	X	X	X	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	3	
G48S (500-252337-8)	6/20/24	11:13 Central		Water	X	X	X	X	X	X	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	3	
G47S (500-252337-9)	6/20/24	13:06 Central		Water	X	X	X	X	X	X	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	3	
T13S (500-252337-10)	6/20/24	13:58 Central		Water	X	X	X	X	X	X	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	3	

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 immediately 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 <i>Unconfirmed</i>			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by: <i>[Signature]</i>		Date: <i>6/20/24</i>	
Relinquished by: <i>[Signature]</i>		Time: <i>1530</i>	
Relinquished by: <i>[Signature]</i>		Company: <i>[Blank]</i>	
Relinquished by: <i>[Signature]</i>		Company: <i>[Blank]</i>	
Custody Seals Intact: <i>[Blank]</i>		Custody Seal No.: <i>[Blank]</i>	

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

Received by: <i>M. Pinette</i>		Date/Time: <i>JUN 21 2024 0900</i>
Received by: <i>[Blank]</i>		Date/Time: <i>[Blank]</i>
Cooler Temperature(s) °C and Other Remarks:		

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-1

Login Number: 252337

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	3.4,4.3,3.2,2.0,0.7,2.0,2.8,4.3,2.5
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: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G20S

Date Collected: 06/18/24 12:31

Date Received: 06/18/24 16:05

Lab Sample ID: 500-252337-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:17
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776631	RN	EET CHI	07/12/24 16:21
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:20
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:02
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:21
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:40
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:36
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/18/24 12:31

Client Sample ID: G30S

Date Collected: 06/19/24 09:27

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:31
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776631	RN	EET CHI	07/12/24 16:23
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:22
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:05
Total/NA	Analysis	SM 4500 CI- E		5	773523	TR	EET CHI	06/20/24 11:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:45
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:53
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 09:27

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:36
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:29
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:24
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:07
Total/NA	Analysis	SM 4500 CI- E		2	773523	TR	EET CHI	06/20/24 11:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:50

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

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	774273	TR	EET CHI	06/25/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 11:37

Client Sample ID: DUP of R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:42
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:31
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:26
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:10
Total/NA	Analysis	SM 4500 Cl- E		2	773523	TR	EET CHI	06/20/24 11:04
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:55
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 11:37

Client Sample ID: G33S

Date Collected: 06/19/24 13:32

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:48
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:34
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:32
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:12
Total/NA	Analysis	SM 4500 Cl- E		1	773523	TR	EET CHI	06/20/24 10:16
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:00
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 16:06
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/19/24 13:32

Client Sample ID: G46S

Date Collected: 06/20/24 09:19

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:50

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G46S

Date Collected: 06/20/24 09:19

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		20	776748	RN	EET CHI	07/15/24 10:36
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:35
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:15
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:04
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 16:44
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 09:19

Client Sample ID: T12S

Date Collected: 06/20/24 10:15

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 18:56
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:38
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:37
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:18
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:09
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 10:15

Client Sample ID: G48S

Date Collected: 06/20/24 11:13

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:07
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:40
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:39
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:20
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 13:39
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:14
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 11:13

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: G47S

Date Collected: 06/20/24 13:06

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:11
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 10:42
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:41
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:23
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:28
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:45
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 13:06

Client Sample ID: T13S

Date Collected: 06/20/24 13:58

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:13
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:44
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:43
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:25
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 12:58
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:33
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/20/24 13:58

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:15
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:50
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:51
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:23
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:37

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

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		5	774273	TR	EET CHI	06/25/24 16:23
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 09:28

Client Sample ID: G44S

Date Collected: 06/21/24 10:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:17
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:52
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:58
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:25
Total/NA	Analysis	SM 4500 Cl- E		2	773841	TR	EET CHI	06/23/24 13:40
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:42
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 16:24
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 10:26

Client Sample ID: G39S

Date Collected: 06/21/24 11:27

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:19
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:54
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:00
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:28
Total/NA	Analysis	SM 4500 Cl- E		1	773841	TR	EET CHI	06/23/24 12:59
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:46
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 16:26
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 11:27

Client Sample ID: R32S

Date Collected: 06/21/24 12:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776059	BDE	EET CHI	07/10/24 10:34 - 07/10/24 16:34 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:22

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: R32S

Date Collected: 06/21/24 12:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:56
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:02
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 21:58
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 12:59
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 20:51
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 12:26

Client Sample ID: G45S

Date Collected: 06/21/24 13:46

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 10:59
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:36
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:04
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:05
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:41
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:50
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 13:46

Client Sample ID: G31S

Date Collected: 06/21/24 14:38

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:01
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:38
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:06
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:11
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 13:41
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:55
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/21/24 14:38

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T02S

Date Collected: 06/24/24 10:32

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:03
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:09
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:13
Total/NA	Analysis	SM 4500 CI- E		5	774848	TR	EET CHI	06/30/24 10:29
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 10:59
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:46
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/24/24 10:32

Client Sample ID: T08S

Date Collected: 06/24/24 12:37

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		10	776748	RN	EET CHI	07/15/24 11:05
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:11
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:16
Total/NA	Analysis	SM 4500 CI- E		2	774848	TR	EET CHI	06/30/24 10:30
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:04
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 16:47
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/24/24 12:37

Client Sample ID: T06S

Date Collected: 06/25/24 12:07

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 11:07
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776761	RN	EET CHI	07/15/24 14:40
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:13
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:18
Total/NA	Analysis	SM 4500 CI- E		1	774848	TR	EET CHI	06/30/24 10:12
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:09
Total/NA	Analysis	SM 4500 SO4 E		2	774850	TR	EET CHI	06/30/24 14:38
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/25/24 12:07

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T05S

Date Collected: 06/25/24 13:52

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			776400	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		20	776748	RN	EET CHI	07/15/24 11:09
Total/NA	Prep	7470A			775705	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 10:15
Total/NA	Analysis	SM 2540C		1	774406	CLB	EET CHI	06/26/24 22:21
Total/NA	Analysis	SM 4500 CI- E		5	774848	TR	EET CHI	06/30/24 10:30
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:14
Total/NA	Analysis	SM 4500 SO4 E		20	774850	TR	EET CHI	06/30/24 15:04
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/25/24 13:52

Client Sample ID: T01S

Date Collected: 06/28/24 09:50

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:34
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:15
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:20
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 01:48
Total/NA	Analysis	SM 4500 CI- E		5	775348	TR	EET CHI	07/03/24 11:31
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:19
Total/NA	Analysis	SM 4500 SO4 E		10	775601	TR	EET CHI	07/07/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 09:50

Client Sample ID: T09S

Date Collected: 06/28/24 11:58

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:37
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		5	776748	RN	EET CHI	07/15/24 11:17
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:22
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 01:55
Total/NA	Analysis	SM 4500 CI- E		2	775348	TR	EET CHI	07/03/24 11:31
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:24
Total/NA	Analysis	SM 4500 SO4 E		10	775601	TR	EET CHI	07/07/24 15:54
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 11:58

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775862	BDE	EET CHI	07/09/24 10:02 - 07/09/24 16:02 ¹
Total Recoverable	Analysis	6020B		1	776195	RN	EET CHI	07/10/24 19:39
Total Recoverable	Prep	3005A			776401	RN	EET CHI	07/12/24 08:45 - 07/12/24 14:45 ¹
Total Recoverable	Analysis	6020B		1	776748	RN	EET CHI	07/15/24 11:19
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:24
Total/NA	Analysis	SM 2540C		1	775207	CLB	EET CHI	07/03/24 02:01
Total/NA	Analysis	SM 4500 Cl- E		1	775348	TR	EET CHI	07/03/24 11:11
Total/NA	Analysis	SM 4500 F C		1	776311	SO	EET CHI	07/11/24 11:39
Total/NA	Analysis	SM 4500 SO4 E		5	775601	TR	EET CHI	07/07/24 15:42
Total/NA	Analysis	Field Sampling		1	773151	JVB	EET CHI	06/28/24 13:29

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

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 2Q24

Job ID: 500-252337-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25

1
2
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14



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 600-252337-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 06/18/24 Start Purge: 1213 End Purge: 1231
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.63 7.62 7.62 (std.)
Ref. Measuring Pt. TIC SC 675 679 679 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 35.40 35.40 35.40 (°C)
Water Level 47.65 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 533.22 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 86°F, Mostly Cloudy, S winds @ 5-10 mph
Turbidity: 0.80 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 47.65 - 2.78 = 44.87 ft.
Levels were taken on 06/18/24 @ 1208

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/19/24 Start Purge: 0909 End Purge: 0927
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.84 7.82 7.82 (std.)
Ref. Measuring Pt. TIC SC 1860 1860 1860 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 19.38 19.38 19.38 (°C)
Water Level 1.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.27 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 85°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 0.26 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.59 - 2.31 = -0.72 (ft.)
Levels were taken on 06/19/24 @ 0904

(Updated: 07/14/2022)

Sampler Name (Print): Noc Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 06/19/24 Start Purge: 1122 End Purge: 1137
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.88 7.87 7.87 (std.)
Ref. Measuring Pt. TIC SC 1023 1024 1024 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 16.27 16.16 16.16 (°C)
Water Level 70.04 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 508.62 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 90°F, Sunny, SW winds @ 0-5 mph
Turbidity: 0.40 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 70.04 - 2.55 = 67.49 (ft.)
Levels were taken on 06/19/24 @ 1117

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing



Environment Testing
America

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-4

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ End Purge: _____
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-5

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump Dedicated ☒ (N)
Sampling _____ Bladder Pump Dedicated ☒ (N)

PURGING INFORMATION

Purge Date: 06/19/24 Start Purge: 1310 End Purge: 1332
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.56 7.56 7.56 (std.)
Ref. Measuring Pt. TIC SC 484 472 472 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 18.92 18.81 18.81 (°C)
Water Level 35.09 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.58 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Slight Turbidity, No Odor
Weather Conditions: 91°F, Partly Sunny, SW winds e 5-10 mph
Turbidity: 4.78 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 35.09 - 1.73 = 33.36 (ft)
Levels were taken on 06/19/24 @ 1305

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-6

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 0905 End Purge: 0919
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter	4.0	(inches)	1st	2nd	Final																					
Stick Up	2.70	(ft)	pH	7.28	7.29	7.29 (std.)																				
Ref. Measuring Pt.	TIC		SC	1431	1423	1423 (umhos/cm)																				
Well Elevation	*601.41	(ft./msl)	Temp.	15.41	15.33	15.33 (°C)																				
Water Level	100.40	(ft.)	Well Stabilization / Recharge Grid																							
Ground Water Elev.	501.02	(ft./msl)	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																							
Well Bottom Elevation	*453.62	(ft./msl)																								

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 80°F, Partly Sunny, NE winds 0-5 mph
Turbidity: 8.46 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 100.40 - 2.70 = 97.70 (ft.)
Levels were taken on 06/20/24 @ 0900

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 / Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-7

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N)
Sampling _____ Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 1001 End Purge: 1015
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 8.84 8.82 8.82 (std.)
Ref. Measuring Pt. TIC SC 1136 1128 1128 (umhos/cm)
Well Elevation * 578.74 (ft./msl) Temp. 15.01 14.98 14.98 (°C)
Water Level 74.14 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.60 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan with particles, Moderate Turbidity, No Odor
Weather Conditions: 84°F, Mostly Sunny, E winds 0-5 mph
Turbidity: 284.00 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 74.14 - 2.74 = 71.40 (ft.)
Levels were taken on 06/20/24 @ 0956
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-8

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y)N
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y)N

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 1055 End Purge: 1113
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 8.28 8.26 8.26 (std.)
Ref. Measuring Pt. TIC SC 1445 1445 1445 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 21.16 21.04 21.04 (°C)
Water Level 100.73 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.04 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 86°F, Sunny, E winds @ 0-5 mph
Turbidity: 0.61 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 100.73 - 2.45 = 98.28 (ft.)
Levels were taken on 06/20/24 @ 1050

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 1246 End Purge: 1306
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.65

MEASUREMENTS

	1st	2nd	Final																															
Well Diameter <u>4.0</u> (inches)																																		
Stick Up <u>2.50</u> (ft)	pH <u>9.31</u>	<u>9.34</u>	<u>9.34</u>	(std.)																														
Ref. Measuring Pt. <u>TIC</u>	SC <u>1580</u>	<u>1580</u>	<u>1580</u>	(umhos/cm)																														
Well Elevation <u>*612.23</u> (ft./msl)	Temp. <u>16.08</u>	<u>16.00</u>	<u>16.00</u>	(°C)																														
Water Level <u>91.64</u> (ft.)	Well Stabilization / Recharge Grid																																	
Ground Water Elev. <u>520.59</u> (ft./msl)	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																																	
Well Bottom Elevation <u>*459.84</u> (ft./msl)																																		

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 90°F, Mostly Cloudy, SE winds @ 0-5 mph
Turbidity: 0.48 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 91.64 - 2.50 = 89.14 (ft.)
Levels were taken on 06/20/24 @ 1241

(Updated: 07/14/2022)

Sampler Name (Print):

Noc Lopez

Signature:

[Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (N)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 06/20/24 Start Purge: 1344 End Purge: 1358
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.60 7.59 7.59 (std.)
Ref. Measuring Pt. TIC SC 890 892 892 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 16.61 16.60 16.60 (°C)
Water Level 20.21 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.12 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 92°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 13.40 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 20.21 - 2.76 = 17.45 (ft.)
Levels were taken on 06/20/24 @ 1339
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print):

Noe Lopez

Signature:

[Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-11

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 0914 End Purge: 0928
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.28 7.27 7.27 (std.)
Ref. Measuring Pt. TIC SC 1260 1265 1265 (umhos/cm)
Well Elevation * 629.85 (ft./msl) Temp. 13.47 13.46 13.46 (°C)
Water Level 135.86 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 493.99 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear,
Weather Conditions: 85°F, Sunny, S winds e 0-5 mph
Turbidity: 1.05 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 135.86 - 3.08 = 132.78 (ft)
Levels were taken on 06/21/24 @ 0909.
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-12

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (N)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1009 End Purge: 1026
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.26 7.24 7.24 (std.)
Ref. Measuring Pt. TIC SC 1117 1111 1111 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 16.63 16.72 16.72 (°C)
Water Level 82.35 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.33 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 83°F, Sunny, SW winds e 0-5 mph
Turbidity: 3.52 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 82.35 - 2.18 = 80.17 (ft.)
Levels were taken on 06/21/24 @ 1004

(Updated: 07/14/2022)

Sampler Name (Print):

Noe Lopez

Signature:

[Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-13

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1109 End Purge: 1127
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 7.21 7.19 7.19 (std.)
Ref. Measuring Pt. TIC SC 759 758 758 (umhos/cm)
Well Elevation *598.75 (ft./msl) Temp. 14.52 14.58 14.58 (°C)
Water Level 95.56 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.19 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 89°F, Sunny, SW winds e 0-5 mph
Turbidity 1.50 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 95.56 - 2.08 = 93.48 (ft.)
Levels were taken on 06/21/24 @ 1104

(Updated: 09-19-2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-14

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1207 End Purge: 1226
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.50 7.52 7.52 (std.)
Ref. Measuring Pt. TIC SC 751 752 752 (umhos/cm)
Well Elevation *536.97 (ft./msl) Temp. 13.72 13.72 13.72 (°C)
Water Level 21.68 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 515.29 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 91°F, Mostly Sunny, SW winds e 0-5 mph
Turbidity: 1.03 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 21.68 - 2.03 = 19.65 (ft)
Levels were taken on 06/21/24 @ 1202

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-15

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1330 End Purge: 1346
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH 7.38 7.35 7.35 (std.)
Ref. Measuring Pt. TIC SC 946 940 940 (umhos/cm)
Well Elevation *603.80 (ft./msl) Temp. 16.37 16.34 16.34 (°C)
Water Level 62.63 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 541.17 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 93°F, Mostly Cloudy, SW winds @ 0-5 mph
Turbidity: 0.79 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 62.63 - 2.97 = 59.66 (ft.)
Levels were taken on 06/21/24 @ 1325

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-16

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 06/21/24 Start Purge: 1418 End Purge: 1438
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.90

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.21 7.23 7.23 (std.)
Ref. Measuring Pt. TIC SC 1930 1920 1920 (umhos/cm)
Well Elevation *535.73 (ft./msl) Temp. 16.57 16.57 16.57 (°C)
Water Level 28.81 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.92 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 91°F, Mostly Cloudy, SW winds 0-5 mph
Turbidity: 0.95 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 28.81 - 2.58 = 26.23 (ft.)
Levels were taken on 06/21/24 @ 1413

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 06/24/24 Start Purge: 1013 End Purge: 1032
(2400 Hr. Clock)

Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 8.06 8.02 8.02 (std.)
Ref. Measuring Pt. TIC SC 1302 1296 1296 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 23.38 23.40 23.40 (°C)
Water Level 131.19 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 494.93 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 79°F, Sunny, SW winds e 0-5 mph
Turbidity: 122.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 131.19 - 2.33 = 128.86 (ft.)
Levels were taken on 06/24/24 @ 0958
* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 06/24/24 Start Purge: 1215 End Purge: 1237
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.36 8.34 8.34 (std.)
Ref. Measuring Pt. TIC SC 1365 1355 1355 (umhos/cm)
Well Elevation * 627.55 (ft./msl) Temp. 25.78 25.74 25.74 (°C)
Water Level 126.56 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.99 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 83°F, Mostly Sunny, SW windse 0-5 mph
Turbidity: 9.75 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.56 - 2.38 = 124.18 (ft.)
Levels were taken on 06/24/24 @ 1200
* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) N
Sampling _____ Bladder Pump _____ Dedicated (Y/N) N

PURGING INFORMATION

Purge Date: 06/25/24 Start Purge: 1152 End Purge: 1207
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.16 7.16 7.16 (std.)
Ref. Measuring Pt. TIC SC 754 750 750 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 20.39 20.40 20.40 (°C)
Water Level 114.66 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 506.39 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 75°F, Cloudy, SW winds @ 10-15 mph
Turbidity: 0.97 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 114.66 - 2.30 = 112.36 (ft.)
Levels were taken on 06/25/24 @ 1137
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 06/25/24 Start Purge: 1330 End Purge: 1352
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.71

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 10.15 10.18 10.18 (std.)
Ref. Measuring Pt. TIC SC 2250 2250 2250 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 20.18 20.16 20.16 (°C)
Water Level 120.21 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.29 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 78°F, Cloudy, SW winds @ 10-15 mph
Turbidity: 0.58 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 120.21 - 2.40 = 117.81 (ft.)
Levels were taken on 06/25/24 @ 1315
* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-21

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 06/28/24 Start Purge: 0928 End Purge: 0950
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.28

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.26 7.28 7.28 (std.)
Ref. Measuring Pt. TIC SC 1345 1339 1339 (umhos/cm)
Well Elevation * 621.84 (ft./msl) Temp. 18.30 18.31 18.31 (°C)
Water Level 119.34 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 502.50 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, Slight Odor
Weather Conditions: 71°F, Cloudy, SE winds @ 0-5 mph
Turbidity: 56.70 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 119.34 - 2.48 = 116.86 (ft)
Levels were taken on 06/28/24 @ 0923
* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-22

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 06/28/24 Start Purge: 1140 End Purge: 1158
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.26 7.29 7.29 (std.)
Ref. Measuring Pt. TIC SC 1144 1140 1140 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 15.16 15.11 15.11 (°C)
Water Level 103.67 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 499.81 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 73°F, Light Rain, S winds @ 0-5 mph
Turbidity: 216.00 NTU

Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 103.67 - 2.40 = 101.27 (ft.)
Levels were taken on 06/28/24 @ 1125
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-252337-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N) _____
Sampling _____ Bladder Pump Dedicated (Y/N) _____

PURGING INFORMATION

Purge Date: 06/28/24 Start Purge: 1309 End Purge: 1329
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.52

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.49 7.50 7.50 (std.)
Ref. Measuring Pt. TIC SC 895 890 890 (umhos/cm)
Well Elevation * 559.48 (ft./msl) Temp. 18.18 18.17 18.17 (°C)
Water Level 60.19 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 57.45 499.29 (ft./msl)
Well Bottom Elevation * 445.60 07/14/24 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 74°F, Rain, S winds @ 5-10 mph
Turbidity 61.40 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 60.19 - 2.74 = 57.45 (ft.)
Levels were taken on 06/28/24 @ 1254
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/29/2024 9:12:56 AM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR (RAD)

JOB NUMBER

500-252337-2

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
7/29/2024 9:12:56 AM

Authorized for release by
Diana Mockler, Project Manager I
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(219)252-7570

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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Job ID: 500-252337-2

Eurofins Chicago

Job Narrative 500-252337-2

Receipt

The samples were received on 6/18/2024 4:05 PM, 6/19/2024 2:49 PM, 6/20/2024 3:00 PM, 6/21/2024 4:18 PM, 6/24/2024 2:40 PM, 6/25/2024 3:25 PM and 6/28/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 0.7°C, 2.0°C, 2.0°C, 2.5°C, 2.8°C, 3.2°C, 3.4°C, 4.3°C and 4.3°C.

Gas Flow Proportional Counter

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: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

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: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252337-1	G20S	GW	06/18/24 12:31	06/18/24 16:05
500-252337-2	G30S	Water	06/19/24 09:27	06/19/24 14:49
500-252337-3	R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-4	DUP of R08S	Water	06/19/24 11:37	06/19/24 14:49
500-252337-5	G33S	Water	06/19/24 13:32	06/19/24 14:49
500-252337-6	G46S	Water	06/20/24 09:19	06/20/24 15:00
500-252337-7	T12S	Water	06/20/24 10:15	06/20/24 15:00
500-252337-8	G48S	Water	06/20/24 11:13	06/20/24 15:00
500-252337-9	G47S	Water	06/20/24 13:06	06/20/24 15:00
500-252337-10	T13S	Water	06/20/24 13:58	06/20/24 15:00
500-252337-11	T03S	Water	06/21/24 09:28	06/21/24 16:18
500-252337-12	G44S	Water	06/21/24 10:26	06/21/24 16:18
500-252337-13	G39S	Water	06/21/24 11:27	06/21/24 16:18
500-252337-14	R32S	Water	06/21/24 12:26	06/21/24 16:18
500-252337-15	G45S	Water	06/21/24 13:46	06/21/24 16:18
500-252337-16	G31S	Water	06/21/24 14:38	06/21/24 16:18
500-252337-17	T02S	Water	06/24/24 10:32	06/24/24 14:40
500-252337-18	T08S	Water	06/24/24 12:37	06/24/24 14:40
500-252337-19	T06S	Water	06/25/24 12:07	06/25/24 15:25
500-252337-20	T05S	Water	06/25/24 13:52	06/25/24 15:25
500-252337-21	T01S	Water	06/28/24 09:50	06/28/24 15:50
500-252337-22	T09S	Water	06/28/24 11:58	06/28/24 15:50
500-252337-23	T11S	Water	06/28/24 13:29	06/28/24 15:50

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G20S

Lab Sample ID: 500-252337-1

Date Collected: 06/18/24 12:31

Matrix: GW

Date Received: 06/18/24 16:05

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	1.32		0.212	0.243	1.00	0.0858	pCi/L	06/25/24 07:54	07/22/24 07:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:54	07/22/24 07:42	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	1.31		0.428	0.444	1.00	0.477	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	83.0		30 - 110					06/25/24 07:56	07/15/24 12:13	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	2.64		0.478	0.506	5.00	0.477	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G30S

Lab Sample ID: 500-252337-2

Date Collected: 06/19/24 09:27

Matrix: Water

Date Received: 06/19/24 14:49

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	0.871		0.168	0.185	1.00	0.0844	pCi/L	06/25/24 07:54	07/22/24 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					06/25/24 07:54	07/22/24 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	1.37		0.436	0.454	1.00	0.500	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	82.6		30 - 110					06/25/24 07:56	07/15/24 12:13	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	2.24		0.467	0.490	5.00	0.500	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: R08S

Lab Sample ID: 500-252337-3

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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	0.572		0.147	0.155	1.00	0.120	pCi/L	06/25/24 07:54	07/22/24 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					06/25/24 07:54	07/22/24 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	1.61		0.498	0.519	1.00	0.598	pCi/L	06/25/24 07:56	07/15/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	83.0		30 - 110					06/25/24 07:56	07/15/24 12:13	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	2.18		0.519	0.542	5.00	0.598	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: DUP of R08S

Lab Sample ID: 500-252337-4

Date Collected: 06/19/24 11:37

Matrix: Water

Date Received: 06/19/24 14:49

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	0.435		0.121	0.128	1.00	0.0817	pCi/L	06/25/24 07:54	07/22/24 07:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/25/24 07:54	07/22/24 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	1.07		0.386	0.399	1.00	0.459	pCi/L	06/25/24 07:56	07/15/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/25/24 07:56	07/15/24 12:14	1
Y Carrier	83.4		30 - 110					06/25/24 07:56	07/15/24 12:14	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	1.51		0.405	0.419	5.00	0.459	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G33S

Lab Sample ID: 500-252337-5

Date Collected: 06/19/24 13:32

Matrix: Water

Date Received: 06/19/24 14:49

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	<0.113	U	0.0792	0.0797	1.00	0.113	pCi/L	06/25/24 07:54	07/22/24 08:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					06/25/24 07:54	07/22/24 08:00	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	<0.507	U	0.316	0.317	1.00	0.507	pCi/L	06/25/24 07:56	07/15/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					06/25/24 07:56	07/15/24 12:15	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:15	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	<0.507	U	0.326	0.327	5.00	0.507	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G46S

Lab Sample ID: 500-252337-6

Date Collected: 06/20/24 09:19

Matrix: Water

Date Received: 06/20/24 15:00

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	0.970		0.185	0.205	1.00	0.127	pCi/L	06/25/24 07:54	07/22/24 08:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					06/25/24 07:54	07/22/24 08:00	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	1.58		0.457	0.479	1.00	0.524	pCi/L	06/25/24 07:56	07/15/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					06/25/24 07:56	07/15/24 12:15	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:15	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	2.55		0.493	0.521	5.00	0.524	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T12S

Lab Sample ID: 500-252337-7

Date Collected: 06/20/24 10:15

Matrix: Water

Date Received: 06/20/24 15:00

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	2.32		0.324	0.385	1.00	0.167	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/25/24 07:54	07/22/24 08:01	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	1.58		0.626	0.643	1.00	0.828	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	81.9		30 - 110					06/25/24 07:56	07/15/24 12:16	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	3.90		0.705	0.749	5.00	0.828	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G48S

Lab Sample ID: 500-252337-8

Date Collected: 06/20/24 11:13

Matrix: Water

Date Received: 06/20/24 15:00

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	0.917		0.179	0.198	1.00	0.109	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/25/24 07:54	07/22/24 08:01	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	1.75		0.484	0.510	1.00	0.532	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	85.2		30 - 110					06/25/24 07:56	07/15/24 12:16	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	2.67		0.516	0.547	5.00	0.532	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G47S

Lab Sample ID: 500-252337-9

Date Collected: 06/20/24 13:06

Matrix: Water

Date Received: 06/20/24 15:00

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	0.339		0.112	0.117	1.00	0.101	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/25/24 07:54	07/22/24 08:01	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	<0.492	U	0.253	0.253	1.00	0.492	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	87.5		30 - 110					06/25/24 07:56	07/15/24 12:16	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	<0.492	U	0.277	0.279	5.00	0.492	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T13S

Lab Sample ID: 500-252337-10

Date Collected: 06/20/24 13:58

Matrix: Water

Date Received: 06/20/24 15:00

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	0.551		0.142	0.150	1.00	0.107	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/25/24 07:54	07/22/24 08:01	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	0.880		0.392	0.400	1.00	0.519	pCi/L	06/25/24 07:56	07/15/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/25/24 07:56	07/15/24 12:16	1
Y Carrier	84.5		30 - 110					06/25/24 07:56	07/15/24 12:16	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	1.43		0.417	0.427	5.00	0.519	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T03S

Lab Sample ID: 500-252337-11

Date Collected: 06/21/24 09:28

Matrix: Water

Date Received: 06/21/24 16:18

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	0.668		0.167	0.177	1.00	0.147	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/25/24 07:54	07/22/24 08:01	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	<0.486	U	0.309	0.310	1.00	0.486	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	89.3		30 - 110					06/25/24 07:56	07/15/24 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	1.02		0.351	0.357	5.00	0.486	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G44S

Lab Sample ID: 500-252337-12

Date Collected: 06/21/24 10:26

Matrix: Water

Date Received: 06/21/24 16:18

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	0.630		0.150	0.161	1.00	0.112	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:54	07/22/24 08:01	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	0.549		0.355	0.358	1.00	0.519	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	81.1		30 - 110					06/25/24 07:56	07/15/24 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	1.18		0.385	0.393	5.00	0.519	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

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	0.444		0.145	0.150	1.00	0.145	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:54	07/22/24 08:01	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	0.931		0.399	0.408	1.00	0.510	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	84.5		30 - 110					06/25/24 07:56	07/15/24 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	1.37		0.425	0.435	5.00	0.510	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

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	1.29		0.222	0.251	1.00	0.126	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					06/25/24 07:54	07/22/24 08:01	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	0.680		0.422	0.426	1.00	0.621	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 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	1.97		0.477	0.494	5.00	0.621	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

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	1.12		0.204	0.227	1.00	0.144	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					06/25/24 07:54	07/22/24 08:01	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	0.636		0.357	0.361	1.00	0.502	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	83.7		30 - 110					06/25/24 07:56	07/15/24 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	1.76		0.411	0.426	5.00	0.502	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

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	1.94		0.273	0.324	1.00	0.160	pCi/L	06/25/24 07:54	07/22/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:54	07/22/24 08:01	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		0.440	0.458	1.00	0.499	pCi/L	06/25/24 07:56	07/15/24 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					06/25/24 07:56	07/15/24 12:18	1
Y Carrier	87.1		30 - 110					06/25/24 07:56	07/15/24 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	3.32		0.518	0.561	5.00	0.499	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T02S

Lab Sample ID: 500-252337-17

Date Collected: 06/24/24 10:32

Matrix: Water

Date Received: 06/24/24 14:40

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	0.809		0.218	0.230	1.00	0.206	pCi/L	06/26/24 08:32	07/19/24 07:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:32	07/19/24 07:47	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	1.37		0.492	0.508	1.00	0.606	pCi/L	06/26/24 08:37	07/15/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:37	07/15/24 12:37	1
Y Carrier	83.0		30 - 110					06/26/24 08:37	07/15/24 12:37	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	2.18		0.538	0.558	5.00	0.606	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T08S

Lab Sample ID: 500-252337-18

Date Collected: 06/24/24 12:37

Matrix: Water

Date Received: 06/24/24 14:40

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	0.463		0.147	0.153	1.00	0.137	pCi/L	06/26/24 08:32	07/19/24 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/26/24 08:32	07/19/24 07:38	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	<0.502	U	0.302	0.303	1.00	0.502	pCi/L	06/26/24 08:37	07/15/24 12:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					06/26/24 08:37	07/15/24 12:38	1
Y Carrier	84.9		30 - 110					06/26/24 08:37	07/15/24 12:38	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	0.702		0.336	0.339	5.00	0.502	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T06S

Lab Sample ID: 500-252337-19

Date Collected: 06/25/24 12:07

Matrix: Water

Date Received: 06/25/24 15:25

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	1.15		0.224	0.247	1.00	0.160	pCi/L	06/28/24 09:01	07/22/24 09:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/28/24 09:01	07/22/24 09:38	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	0.530		0.356	0.359	1.00	0.525	pCi/L	06/28/24 10:01	07/17/24 12:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/28/24 10:01	07/17/24 12:34	1
Y Carrier	84.9		30 - 110					06/28/24 10:01	07/17/24 12:34	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	1.68		0.421	0.436	5.00	0.525	pCi/L		07/27/24 13:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T05S

Lab Sample ID: 500-252337-20

Date Collected: 06/25/24 13:52

Matrix: Water

Date Received: 06/25/24 15:25

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	0.455		0.180	0.184	1.00	0.190	pCi/L	06/28/24 09:01	07/22/24 09:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					06/28/24 09:01	07/22/24 09:38	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	<0.879	U	0.528	0.529	1.00	0.879	pCi/L	06/28/24 10:01	07/17/24 12:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					06/28/24 10:01	07/17/24 12:45	1
Y Carrier	81.9		30 - 110					06/28/24 10:01	07/17/24 12:45	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	<0.879	U	0.558	0.560	5.00	0.879	pCi/L		07/27/24 15:42	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T01S

Lab Sample ID: 500-252337-21

Date Collected: 06/28/24 09:50

Matrix: Water

Date Received: 06/28/24 15:50

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	0.915		0.218	0.233	1.00	0.174	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					07/03/24 07:49	07/26/24 08:14	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	<0.555	U	0.339	0.340	1.00	0.555	pCi/L	07/03/24 07:57	07/22/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					07/03/24 07:57	07/22/24 12:19	1
Y Carrier	82.2		30 - 110					07/03/24 07:57	07/22/24 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	1.21		0.403	0.412	5.00	0.555	pCi/L		07/27/24 15:42	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T09S

Lab Sample ID: 500-252337-22

Date Collected: 06/28/24 11:58

Matrix: Water

Date Received: 06/28/24 15:50

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	1.20		0.276	0.296	1.00	0.189	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/03/24 07:49	07/26/24 08:14	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	0.937		0.513	0.520	1.00	0.722	pCi/L	07/03/24 07:57	07/22/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					07/03/24 07:57	07/22/24 12:19	1
Y Carrier	83.4		30 - 110					07/03/24 07:57	07/22/24 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	2.14		0.583	0.598	5.00	0.722	pCi/L		07/27/24 15:42	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T11S

Lab Sample ID: 500-252337-23

Date Collected: 06/28/24 13:29

Matrix: Water

Date Received: 06/28/24 15:50

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	0.615		0.203	0.210	1.00	0.212	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					07/03/24 07:49	07/26/24 08:14	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	0.417	0.421	1.00	0.633	pCi/L	07/03/24 07:57	07/22/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.4		30 - 110					07/03/24 07:57	07/22/24 12:20	1
Y Carrier	83.7		30 - 110					07/03/24 07:57	07/22/24 12:20	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	1.21		0.464	0.470	5.00	0.633	pCi/L		07/27/24 15:42	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Rad

Prep Batch: 667817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	PrecSep-21	
500-252337-2	G30S	Total/NA	Water	PrecSep-21	
500-252337-3	R08S	Total/NA	Water	PrecSep-21	
500-252337-4	DUP of R08S	Total/NA	Water	PrecSep-21	
500-252337-5	G33S	Total/NA	Water	PrecSep-21	
500-252337-6	G46S	Total/NA	Water	PrecSep-21	
500-252337-7	T12S	Total/NA	Water	PrecSep-21	
500-252337-8	G48S	Total/NA	Water	PrecSep-21	
500-252337-9	G47S	Total/NA	Water	PrecSep-21	
500-252337-10	T13S	Total/NA	Water	PrecSep-21	
500-252337-11	T03S	Total/NA	Water	PrecSep-21	
500-252337-12	G44S	Total/NA	Water	PrecSep-21	
500-252337-13	G39S	Total/NA	Water	PrecSep-21	
500-252337-14	R32S	Total/NA	Water	PrecSep-21	
500-252337-15	G45S	Total/NA	Water	PrecSep-21	
500-252337-16	G31S	Total/NA	Water	PrecSep-21	
MB 160-667817/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667817/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252337-3 DU	R08S	Total/NA	Water	PrecSep-21	

Prep Batch: 667818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-1	G20S	Total/NA	GW	PrecSep_0	
500-252337-2	G30S	Total/NA	Water	PrecSep_0	
500-252337-3	R08S	Total/NA	Water	PrecSep_0	
500-252337-4	DUP of R08S	Total/NA	Water	PrecSep_0	
500-252337-5	G33S	Total/NA	Water	PrecSep_0	
500-252337-6	G46S	Total/NA	Water	PrecSep_0	
500-252337-7	T12S	Total/NA	Water	PrecSep_0	
500-252337-8	G48S	Total/NA	Water	PrecSep_0	
500-252337-9	G47S	Total/NA	Water	PrecSep_0	
500-252337-10	T13S	Total/NA	Water	PrecSep_0	
500-252337-11	T03S	Total/NA	Water	PrecSep_0	
500-252337-12	G44S	Total/NA	Water	PrecSep_0	
500-252337-13	G39S	Total/NA	Water	PrecSep_0	
500-252337-14	R32S	Total/NA	Water	PrecSep_0	
500-252337-15	G45S	Total/NA	Water	PrecSep_0	
500-252337-16	G31S	Total/NA	Water	PrecSep_0	
MB 160-667818/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667818/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252337-3 DU	R08S	Total/NA	Water	PrecSep_0	

Prep Batch: 668095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	PrecSep-21	
500-252337-18	T08S	Total/NA	Water	PrecSep-21	
MB 160-668095/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668095/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252337-17 DU	T02S	Total/NA	Water	PrecSep-21	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Rad

Prep Batch: 668143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-17	T02S	Total/NA	Water	PrecSep_0	
500-252337-18	T08S	Total/NA	Water	PrecSep_0	
MB 160-668143/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668143/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252337-17 DU	T02S	Total/NA	Water	PrecSep_0	

Prep Batch: 668486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	PrecSep-21	
500-252337-20	T05S	Total/NA	Water	PrecSep-21	
MB 160-668486/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668486/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 668495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-19	T06S	Total/NA	Water	PrecSep_0	
500-252337-20	T05S	Total/NA	Water	PrecSep_0	
MB 160-668495/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668495/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 669210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	PrecSep-21	
500-252337-22	T09S	Total/NA	Water	PrecSep-21	
500-252337-23	T11S	Total/NA	Water	PrecSep-21	
MB 160-669210/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-669210/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 669212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252337-21	T01S	Total/NA	Water	PrecSep_0	
500-252337-22	T09S	Total/NA	Water	PrecSep_0	
500-252337-23	T11S	Total/NA	Water	PrecSep_0	
MB 160-669212/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-669212/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-667817/1-A

Matrix: Water

Analysis Batch: 671635

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 667817

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.0997	U	0.0714	0.0719	1.00	0.0997	pCi/L	06/25/24 07:54	07/22/24 07:42	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					06/25/24 07:54	07/22/24 07:42	1

Lab Sample ID: LCS 160-667817/2-A

Matrix: Water

Analysis Batch: 671635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 667817

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.69		1.12	1.00	0.0964	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	97.3		30 - 110							

Lab Sample ID: 500-252337-3 DU

Matrix: Water

Analysis Batch: 671635

Client Sample ID: R08S

Prep Type: Total/NA

Prep Batch: 667817

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.572		0.4733		0.137	1.00	0.104	pCi/L	0.34	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	98.5		30 - 110							

Lab Sample ID: MB 160-668095/1-A

Matrix: Water

Analysis Batch: 671346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668095

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.134	U	0.0755	0.0756	1.00	0.134	pCi/L	06/26/24 08:32	07/19/24 07:26	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					06/26/24 08:32	07/19/24 07:26	1

Lab Sample ID: LCS 160-668095/2-A

Matrix: Water

Analysis Batch: 671346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 668095

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.13		1.11	1.00	0.125	pCi/L	89	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-668095/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668095

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.3		30 - 110

Lab Sample ID: 500-252337-17 DU
Matrix: Water
Analysis Batch: 671467

Client Sample ID: T02S
Prep Type: Total/NA
Prep Batch: 668095

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.809		0.9619		0.229	1.00	0.169	pCi/L	0.33	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.3		30 - 110							

Lab Sample ID: MB 160-668486/1-A
Matrix: Water
Analysis Batch: 671642

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668486

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.157	U	0.0938	0.0940	1.00	0.157	pCi/L	06/28/24 09:01	07/22/24 09:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/28/24 09:01	07/22/24 09:52	1

Lab Sample ID: LCS 160-668486/2-A
Matrix: Water
Analysis Batch: 671642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668486

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.982		1.10	1.00	0.180	pCi/L	88	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	91.3		30 - 110						

Lab Sample ID: MB 160-669210/1-A
Matrix: Water
Analysis Batch: 672513

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669210

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.129	U	0.0794	0.0796	1.00	0.129	pCi/L	07/03/24 07:49	07/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110					07/03/24 07:49	07/26/24 08:14	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-669210/2-A
Matrix: Water
Analysis Batch: 672513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669210

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.671		1.07	1.00	0.158	pCi/L	85	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	92.8		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-667818/1-A
Matrix: Water
Analysis Batch: 670605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667818

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8471		0.395	0.403	1.00	0.543	pCi/L	06/25/24 07:56	07/15/24 12:13	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					06/25/24 07:56	07/15/24 12:13	1
Y Carrier	85.6		30 - 110					06/25/24 07:56	07/15/24 12:13	1

Lab Sample ID: LCS 160-667818/2-A
Matrix: Water
Analysis Batch: 670605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667818

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.76	7.847		1.12	1.00	0.517	pCi/L	90	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.3		30 - 110							
Y Carrier	85.6		30 - 110							

Lab Sample ID: 500-252337-3 DU
Matrix: Water
Analysis Batch: 670605

Client Sample ID: R08S
Prep Type: Total/NA
Prep Batch: 667818

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.61		1.012		0.400	1.00	0.480	pCi/L	0.65	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	98.5		30 - 110							
Y Carrier	83.0		30 - 110							

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

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

Lab Sample ID: MB 160-668143/1-A

Matrix: Water

Analysis Batch: 670723

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668143

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.600	U	0.344	0.344	1.00	0.600	pCi/L	06/26/24 08:37	07/15/24 12:42	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					06/26/24 08:37	07/15/24 12:42	1
Y Carrier	81.9		30 - 110					06/26/24 08:37	07/15/24 12:42	1

Lab Sample ID: LCS 160-668143/2-A

Matrix: Water

Analysis Batch: 670723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 668143

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.76	9.278		1.29	1.00	0.575	pCi/L	106	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	97.3		30 - 110						
Y Carrier	83.4		30 - 110						

Lab Sample ID: 500-252337-17 DU

Matrix: Water

Analysis Batch: 670722

Client Sample ID: T02S

Prep Type: Total/NA

Prep Batch: 668143

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.37		0.5765		0.369	1.00	0.529	pCi/L	0.90	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	90.3		30 - 110							
Y Carrier	86.0		30 - 110							

Lab Sample ID: MB 160-668495/1-A

Matrix: Water

Analysis Batch: 670960

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668495

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.487	U	0.306	0.307	1.00	0.487	pCi/L	06/28/24 10:01	07/17/24 12:33	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/28/24 10:01	07/17/24 12:33	1
Y Carrier	80.7		30 - 110					06/28/24 10:01	07/17/24 12:33	1

Eurofins Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

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

Lab Sample ID: LCS 160-668495/2-A
Matrix: Water
Analysis Batch: 670960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668495

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.76	9.317		1.32	1.00	0.611	pCi/L	106	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	91.3		30 - 110							
Y Carrier	78.5		30 - 110							

Lab Sample ID: MB 160-669212/1-A
Matrix: Water
Analysis Batch: 671644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669212

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.538	U	0.313	0.313	1.00	0.538	pCi/L	07/03/24 07:57	07/22/24 12:19	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.3		30 - 110							
Y Carrier	83.0		30 - 110							
								Prepared	Analyzed	Dil Fac
								07/03/24 07:57	07/22/24 12:19	1
								07/03/24 07:57	07/22/24 12:19	1

Lab Sample ID: LCS 160-669212/2-A
Matrix: Water
Analysis Batch: 671644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669212

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.74	10.14		1.37	1.00	0.547	pCi/L	116	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	92.8		30 - 110							
Y Carrier	80.7		30 - 110							

**Environment Testing
America**

TAL-8210

TAL-8210

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

7/29/2024

719233



**Environment Testing
America**

TAL-8210

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other[illegible]

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

[illegible]

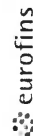
TAL-8210

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

[illegible]

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

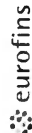
[illegible]

2417 Bond Street

University Park, IL 60484

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: 500-252337-2

Login Number: 252337

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	3.4,4.3,3.2,2.0,0.7,2.0,2.8,4.3,2.5
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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/20/24 04:00 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/21/24 01:00 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/24/24 11:03 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 5

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 06/25/24 03:33 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 6

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/26/24 01:19 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252337-2

Login Number: 252337

List Number: 7

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 07/02/24 01:36 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	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G20S

Date Collected: 06/18/24 12:31

Date Received: 06/18/24 16:05

Lab Sample ID: 500-252337-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:42
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G30S

Date Collected: 06/19/24 09:27

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: DUP of R08S

Date Collected: 06/19/24 11:37

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671635	SWS	EET SL	07/22/24 07:43
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G33S

Date Collected: 06/19/24 13:32

Date Received: 06/19/24 14:49

Lab Sample ID: 500-252337-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:00
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:15
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G46S

Date Collected: 06/20/24 09:19

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:00
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:15
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T12S

Date Collected: 06/20/24 10:15

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G48S

Date Collected: 06/20/24 11:13

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G47S

Date Collected: 06/20/24 13:06

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T13S

Date Collected: 06/20/24 13:58

Date Received: 06/20/24 15:00

Lab Sample ID: 500-252337-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T03S

Date Collected: 06/21/24 09:28

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G44S

Date Collected: 06/21/24 10:26

Date Received: 06/21/24 16:18

Lab Sample ID: 500-252337-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: G39S

Lab Sample ID: 500-252337-13

Date Collected: 06/21/24 11:27

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: R32S

Lab Sample ID: 500-252337-14

Date Collected: 06/21/24 12:26

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G45S

Lab Sample ID: 500-252337-15

Date Collected: 06/21/24 13:46

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: G31S

Lab Sample ID: 500-252337-16

Date Collected: 06/21/24 14:38

Matrix: Water

Date Received: 06/21/24 16:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667817	BMW	EET SL	06/25/24 07:54
Total/NA	Analysis	903.0		1	671642	SCB	EET SL	07/22/24 08:01
Total/NA	Prep	PrecSep_0			667818	BMW	EET SL	06/25/24 07:56
Total/NA	Analysis	904.0		1	670605	SCB	EET SL	07/15/24 12:18
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T02S

Date Collected: 06/24/24 10:32

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 07:47
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670722	SCB	EET SL	07/15/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T08S

Date Collected: 06/24/24 12:37

Date Received: 06/24/24 14:40

Lab Sample ID: 500-252337-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671467	SCB	EET SL	07/19/24 07:38
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670722	SCB	EET SL	07/15/24 12:38
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T06S

Date Collected: 06/25/24 12:07

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668486	MLT	EET SL	06/28/24 09:01
Total/NA	Analysis	903.0		1	671644	SCB	EET SL	07/22/24 09:38
Total/NA	Prep	PrecSep_0			668495	MLT	EET SL	06/28/24 10:01
Total/NA	Analysis	904.0		1	670960	SCB	EET SL	07/17/24 12:34
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 13:44

Client Sample ID: T05S

Date Collected: 06/25/24 13:52

Date Received: 06/25/24 15:25

Lab Sample ID: 500-252337-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668486	MLT	EET SL	06/28/24 09:01
Total/NA	Analysis	903.0		1	671644	SCB	EET SL	07/22/24 09:38
Total/NA	Prep	PrecSep_0			668495	MLT	EET SL	06/28/24 10:01
Total/NA	Analysis	904.0		1	670968	SCB	EET SL	07/17/24 12:45
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Client Sample ID: T01S

Date Collected: 06/28/24 09:50

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:19
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Client Sample ID: T09S

Date Collected: 06/28/24 11:58

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:19
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

Client Sample ID: T11S

Date Collected: 06/28/24 13:29

Date Received: 06/28/24 15:50

Lab Sample ID: 500-252337-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			669210	MLT	EET SL	07/03/24 07:49
Total/NA	Analysis	903.0		1	672513	SCB	EET SL	07/26/24 08:14
Total/NA	Prep	PrecSep_0			669212	MLT	EET SL	07/03/24 07:57
Total/NA	Analysis	904.0		1	671644	SCB	EET SL	07/22/24 12:20
Total/NA	Analysis	Ra226_Ra228		1	672635	FLC	EET SL	07/27/24 15:42

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: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24 *
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-24 *
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-24 *
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-24 *
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
500-252337-1	G20S	92.6	
Tracer/Carrier Legend			
Ba = Ba Carrier			

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)	
500-252337-2	G30S	97.0	
500-252337-3	R08S	96.3	
500-252337-3 DU	R08S	98.5	
500-252337-4	DUP of R08S	98.5	
500-252337-5	G33S	93.5	
500-252337-6	G46S	100	
500-252337-7	T12S	94.5	
500-252337-8	G48S	95.0	
500-252337-9	G47S	98.3	
500-252337-10	T13S	95.5	
500-252337-11	T03S	99.5	
500-252337-12	G44S	92.6	
500-252337-13	G39S	90.1	
500-252337-14	R32S	82.6	
500-252337-15	G45S	95.3	
500-252337-16	G31S	90.1	
500-252337-17	T02S	87.1	
500-252337-17 DU	T02S	90.3	
500-252337-18	T08S	99.5	
500-252337-19	T06S	87.1	
500-252337-20	T05S	84.1	
500-252337-21	T01S	84.1	
500-252337-22	T09S	87.6	
500-252337-23	T11S	82.4	
LCS 160-667817/2-A	Lab Control Sample	97.3	
LCS 160-668095/2-A	Lab Control Sample	97.3	
LCS 160-668486/2-A	Lab Control Sample	91.3	
LCS 160-669210/2-A	Lab Control Sample	92.8	
MB 160-667817/1-A	Method Blank	97.8	
MB 160-668095/1-A	Method Blank	99.0	
MB 160-668486/1-A	Method Blank	99.3	
MB 160-669210/1-A	Method Blank	97.3	
Tracer/Carrier Legend			
Ba = Ba Carrier			

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD)

Job ID: 500-252337-2

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-252337-1	G20S	92.6	83.0
Tracer/Carrier Legend			
Ba = Ba Carrier			
Y = Y Carrier			

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-252337-2	G30S	97.0	82.6
500-252337-3	R08S	96.3	83.0
500-252337-3 DU	R08S	98.5	83.0
500-252337-4	DUP of R08S	98.5	83.4
500-252337-5	G33S	93.5	85.6
500-252337-6	G46S	100	85.6
500-252337-7	T12S	94.5	81.9
500-252337-8	G48S	95.0	85.2
500-252337-9	G47S	98.3	87.5
500-252337-10	T13S	95.5	84.5
500-252337-11	T03S	99.5	89.3
500-252337-12	G44S	92.6	81.1
500-252337-13	G39S	90.1	84.5
500-252337-14	R32S	82.6	85.6
500-252337-15	G45S	95.3	83.7
500-252337-16	G31S	90.1	87.1
500-252337-17	T02S	87.1	83.0
500-252337-17 DU	T02S	90.3	86.0
500-252337-18	T08S	99.5	84.9
500-252337-19	T06S	87.1	84.9
500-252337-20	T05S	84.1	81.9
500-252337-21	T01S	84.1	82.2
500-252337-22	T09S	87.6	83.4
500-252337-23	T11S	82.4	83.7
LCS 160-667818/2-A	Lab Control Sample	97.3	85.6
LCS 160-668143/2-A	Lab Control Sample	97.3	83.4
LCS 160-668495/2-A	Lab Control Sample	91.3	78.5
LCS 160-669212/2-A	Lab Control Sample	92.8	80.7
MB 160-667818/1-A	Method Blank	97.8	85.6
MB 160-668143/1-A	Method Blank	99.0	81.9
MB 160-668495/1-A	Method Blank	99.3	80.7
MB 160-669212/1-A	Method Blank	97.3	83.0
Tracer/Carrier Legend			
Ba = Ba Carrier			
Y = Y Carrier			

ANALYTICAL REPORT

PREPARED FOR

Attn: Kaelyn Sperle
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 1A
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Generated 9/17/2024 10:51:47 AM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q24

JOB NUMBER

500-255604-1

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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.

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Authorization



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Job ID: 500-255604-1

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Job Narrative 500-255604-1

Receipt

The samples were received on 8/23/2024 3:45 PM, 8/26/2024 2:25 PM, 8/27/2024 1:25 PM, 8/28/2024 2:55 PM, 8/29/2024 2:35 PM, 9/3/2024 3:08 PM, 9/4/2024 2:30 PM and 9/5/2024 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.0°C, 2.8°C, 3.7°C, 3.8°C, 3.8°C, 3.8°C, 4.1°C and 5.7°C.

Metals

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-784174 was above the upper control limit. The affected analyte is: Antimony. Sample results were non-detects, and have been reported as qualified data.

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 500-784174 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: G30S (500-255604-3), R08S (500-255604-5), G46S (500-255604-6), G48S (500-255604-8) and G47S (500-255604-9). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: T05S (500-255604-18) and T08S (500-255604-20). 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.

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
9056A	Anions, Ion Chromatography	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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255604-1	G20S	Water	08/23/24 11:33	08/23/24 15:45
500-255604-2	G33S	Water	08/26/24 09:53	08/26/24 14:25
500-255604-3	G30S	Water	08/26/24 11:26	08/26/24 14:25
500-255604-4	G31S	Water	08/26/24 13:20	08/26/24 14:25
500-255604-5	R08S	Water	08/27/24 09:40	08/27/24 13:25
500-255604-6	G46S	Water	08/27/24 10:44	08/27/24 13:25
500-255604-7	G39S	Water	08/27/24 12:14	08/27/24 13:25
500-255604-8	G48S	Water	08/28/24 10:01	08/28/24 14:55
500-255604-9	G47S	Water	08/28/24 11:22	08/28/24 14:55
500-255604-10	T13S	Water	08/28/24 12:25	08/28/24 14:55
500-255604-11	T12S	Water	08/28/24 13:50	08/28/24 14:55
500-255604-12	G44S	Water	08/29/24 09:56	08/29/24 14:35
500-255604-13	G44S Dup	Water	08/29/24 09:56	08/29/24 14:35
500-255604-14	R32S	Water	08/29/24 12:09	08/29/24 14:35
500-255604-15	G45S	Water	08/29/24 13:16	08/29/24 14:35
500-255604-16	T09S	Water	09/03/24 10:43	09/03/24 15:08
500-255604-17	T06S	Water	09/03/24 11:57	09/03/24 15:08
500-255604-18	T05S	Water	09/03/24 13:32	09/03/24 15:08
500-255604-19	T02S	Water	09/04/24 10:41	09/04/24 14:30
500-255604-20	T08S	Water	09/04/24 12:11	09/04/24 14:30
500-255604-21	T03S	Water	09/04/24 13:22	09/04/24 14:30
500-255604-22	T11S	Water	09/05/24 10:02	09/05/24 13:20
500-255604-23	T01S	Water	09/05/24 11:24	09/05/24 13:20

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G20S

Lab Sample ID: 500-255604-1

Date Collected: 08/23/24 11:33

Matrix: Water

Date Received: 08/23/24 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:19	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
Barium	0.046		0.0025		mg/L		08/29/24 08:36	08/30/24 14:19	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
Boron	1.3		0.050		mg/L		08/29/24 08:36	09/09/24 14:18	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Calcium	62		0.20		mg/L		08/29/24 08:36	08/30/24 14:19	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:19	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Lithium	0.040		0.010		mg/L		08/29/24 08:36	09/05/24 15:40	1
Molybdenum	0.020		0.0050		mg/L		08/29/24 08:36	08/30/24 14:19	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:19	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	400		10		mg/L			08/25/24 23:26	1
Chloride (SM 4500 Cl- E)	16		2.0		mg/L			08/28/24 14:01	1
Fluoride (SM 4500 F C)	0.73		0.10		mg/L			08/26/24 15:26	1
Sulfate (SM 4500 SO4 E)	64		10		mg/L			09/04/24 15:01	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	50.02				ft			08/23/24 11:33	1
Depth to Water (ft from MP)	52.80				ft			08/23/24 11:33	1
Elevation of well (ft from MP)	580.87				ft			08/23/24 11:33	1
Field pH	7.18				SU			08/23/24 11:33	1
Field Temperature	86.9				Degrees F			08/23/24 11:33	1
Ground Water Elevation	528.07				ft			08/23/24 11:33	1
Specific Conductance	715				umhos/cm			08/23/24 11:33	1
Well bottom elevation	442.28				ft			08/23/24 11:33	1
Field Turbidity	0.39				NTU			08/23/24 11:33	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G33S

Lab Sample ID: 500-255604-2

Date Collected: 08/26/24 09:53

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:30	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
Barium	0.053		0.0025		mg/L		08/29/24 08:36	08/30/24 14:30	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
Boron	0.80		0.050		mg/L		08/29/24 08:36	09/09/24 14:30	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Calcium	64		0.20		mg/L		08/29/24 08:36	08/30/24 14:30	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:30	1
Lead	0.00093		0.00050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Lithium	0.030		0.010		mg/L		08/29/24 08:36	09/05/24 15:53	1
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:30	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:30	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	350		10		mg/L			08/27/24 21:57	1
Chloride (SM 4500 Cl- E)	13		2.0		mg/L			08/28/24 14:02	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			09/11/24 14:02	1
Sulfate (SM 4500 SO4 E)	68		10		mg/L			09/04/24 15:01	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	33.51				ft			08/26/24 09:53	1
Depth to Water (ft from MP)	35.24				ft			08/26/24 09:53	1
Elevation of well (ft from MP)	535.67				ft			08/26/24 09:53	1
Field pH	7.66				SU			08/26/24 09:53	1
Field Temperature	65.5				Degrees F			08/26/24 09:53	1
Ground Water Elevation	500.43				ft			08/26/24 09:53	1
Specific Conductance	736				umhos/cm			08/26/24 09:53	1
Well bottom elevation	452.72				ft			08/26/24 09:53	1
Field Turbidity	4.68				NTU			08/26/24 09:53	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G30S

Lab Sample ID: 500-255604-3

Date Collected: 08/26/24 11:26

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:32	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
Barium	0.047		0.0025		mg/L		08/29/24 08:36	08/30/24 14:32	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
Boron	5.1		0.50		mg/L		08/29/24 08:36	09/09/24 14:32	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Calcium	70		0.20		mg/L		08/29/24 08:36	08/30/24 14:32	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:32	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Lithium	<0.050		0.050		mg/L		08/29/24 08:36	09/05/24 15:55	5
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:32	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:32	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			08/27/24 22:04	1
Chloride (SM 4500 Cl- E)	200		20		mg/L			08/28/24 14:02	10
Fluoride (SM 4500 F C)	0.76		0.10		mg/L			09/11/24 14:07	1
Sulfate (SM 4500 SO4 E)	490		50		mg/L			09/04/24 15:14	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.76				ft			08/26/24 11:26	1
Depth to Water (ft from MP)	1.55				ft			08/26/24 11:26	1
Elevation of well (ft from MP)	524.86				ft			08/26/24 11:26	1
Field pH	7.59				SU			08/26/24 11:26	1
Field Temperature	66.2				Degrees F			08/26/24 11:26	1
Ground Water Elevation	523.31				ft			08/26/24 11:26	1
Specific Conductance	1970				umhos/cm			08/26/24 11:26	1
Well bottom elevation	462.58				ft			08/26/24 11:26	1
Field Turbidity	0.57				NTU			08/26/24 11:26	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G31S

Lab Sample ID: 500-255604-4

Date Collected: 08/26/24 13:20

Matrix: Water

Date Received: 08/26/24 14:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:50	1
Arsenic	0.0025		0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
Barium	0.050		0.0025		mg/L		08/29/24 08:36	08/30/24 14:50	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
Boron	3.3		0.050		mg/L		08/29/24 08:36	09/09/24 14:40	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Calcium	180		0.20		mg/L		08/29/24 08:36	08/30/24 14:50	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:50	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Lithium	0.087		0.010		mg/L		08/29/24 08:36	09/05/24 16:03	1
Molybdenum	0.59		0.0050		mg/L		08/29/24 08:36	08/30/24 14:50	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:50	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			08/27/24 22:10	1
Chloride (SM 4500 Cl- E)	270		20		mg/L			08/28/24 14:02	10
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			09/11/24 14:12	1
Sulfate (SM 4500 SO4 E)	420		50		mg/L			09/04/24 15:15	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	28.30				ft			08/26/24 13:20	1
Depth to Water (ft from MP)	30.88				ft			08/26/24 13:20	1
Elevation of well (ft from MP)	535.73				ft			08/26/24 13:20	1
Field pH	7.46				SU			08/26/24 13:20	1
Field Temperature	63.0				Degrees F			08/26/24 13:20	1
Ground Water Elevation	504.85				ft			08/26/24 13:20	1
Specific Conductance	2180				umhos/cm			08/26/24 13:20	1
Well bottom elevation	453.36				ft			08/26/24 13:20	1
Field Turbidity	0.66				NTU			08/26/24 13:20	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: R08S

Lab Sample ID: 500-255604-5

Date Collected: 08/27/24 09:40

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:57	1
Arsenic	0.0012		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
Barium	0.042		0.0025		mg/L		08/29/24 08:36	08/30/24 14:57	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
Boron	8.9		0.50		mg/L		08/29/24 08:36	09/09/24 14:42	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:57	1
Calcium	140		0.20		mg/L		08/29/24 08:36	08/30/24 14:57	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:57	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:57	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:57	1
Lithium	0.16		0.010		mg/L		08/29/24 08:36	08/30/24 14:57	1
Molybdenum	0.40		0.0050		mg/L		08/29/24 08:36	08/30/24 14:57	1
Selenium	0.0097		0.0025		mg/L		08/29/24 08:36	08/30/24 14:57	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	770		10		mg/L			08/28/24 22:56	1
Chloride (SM 4500 Cl- E)	69		4.0		mg/L			08/28/24 14:02	2
Fluoride (SM 4500 F C)	0.11		0.10		mg/L			09/11/24 14:17	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			09/04/24 15:13	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	66.28				ft			08/27/24 09:40	1
Depth to Water (ft from MP)	68.83				ft			08/27/24 09:40	1
Elevation of well (ft from MP)	578.66				ft			08/27/24 09:40	1
Field pH	7.98				SU			08/27/24 09:40	1
Field Temperature	60.8				Degrees F			08/27/24 09:40	1
Ground Water Elevation	509.83				ft			08/27/24 09:40	1
Specific Conductance	1085				umhos/cm			08/27/24 09:40	1
Well bottom elevation	453.08				ft			08/27/24 09:40	1
Field Turbidity	0.74				NTU			08/27/24 09:40	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G46S

Lab Sample ID: 500-255604-6

Date Collected: 08/27/24 10:44

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:17	1
Arsenic	0.073		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
Barium	0.046		0.0025		mg/L		08/29/24 08:36	08/30/24 15:17	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
Boron	10		0.50		mg/L		08/29/24 08:36	09/09/24 14:44	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Calcium	130		0.20		mg/L		08/29/24 08:36	08/30/24 15:17	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:17	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Lithium	0.22		0.010		mg/L		08/29/24 08:36	08/30/24 15:17	1
Molybdenum	1.2		0.0050		mg/L		08/29/24 08:36	08/30/24 15:17	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:17	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			08/28/24 23:03	1
Chloride (SM 4500 Cl- E)	55		4.0		mg/L			08/28/24 14:03	2
Fluoride (SM 4500 F C)	0.23		0.10		mg/L			09/11/24 14:40	1
Sulfate (SM 4500 SO4 E)	500		50		mg/L			09/04/24 14:57	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	85.30				ft			08/27/24 10:44	1
Depth to Water (ft from MP)	88.00				ft			08/27/24 10:44	1
Elevation of well (ft from MP)	601.41				ft			08/27/24 10:44	1
Field pH	7.55				SU			08/27/24 10:44	1
Field Temperature	63.7				Degrees F			08/27/24 10:44	1
Ground Water Elevation	513.41				NTU			08/27/24 10:44	1
Specific Conductance	1407				umhos/cm			08/27/24 10:44	1
Well bottom elevation	453.62				ft			08/27/24 10:44	1
Field Turbidity	56.30				inH2O			08/27/24 10:44	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G39S

Lab Sample ID: 500-255604-7

Date Collected: 08/27/24 12:14

Matrix: Water

Date Received: 08/27/24 13:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:38	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
Barium	0.039		0.0025		mg/L		08/29/24 08:36	08/30/24 15:38	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
Boron	0.30		0.050		mg/L		08/29/24 08:36	09/09/24 14:46	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Calcium	110		0.20		mg/L		08/29/24 08:36	08/30/24 15:38	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:38	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Lithium	0.012		0.010		mg/L		08/29/24 08:36	08/30/24 15:38	1
Molybdenum	0.0078		0.0050		mg/L		08/29/24 08:36	08/30/24 15:38	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:38	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			08/28/24 23:08	1
Chloride (SM 4500 Cl- E)	25		2.0		mg/L			08/28/24 14:02	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			09/11/24 14:56	1
Sulfate (SM 4500 SO4 E)	84		10		mg/L			09/04/24 14:57	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	92.63				ft			08/27/24 12:14	1
Depth to Water (ft from MP)	94.71				ft			08/27/24 12:14	1
Elevation of well (ft from MP)	598.75				ft			08/27/24 12:14	1
Field pH	7.31				SU			08/27/24 12:14	1
Field Temperature	57.9				Degrees F			08/27/24 12:14	1
Ground Water Elevation	504.04				ft			08/27/24 12:14	1
Specific Conductance	865				umhos/cm			08/27/24 12:14	1
Well bottom elevation	454.15				ft			08/27/24 12:14	1
Field Turbidity	0.93				NTU			08/27/24 12:14	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G48S

Lab Sample ID: 500-255604-8

Date Collected: 08/28/24 10:01

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:40	1
Arsenic	0.0080		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
Barium	0.022		0.0025		mg/L		08/29/24 08:36	08/30/24 15:40	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
Boron	5.6		0.50		mg/L		08/29/24 08:36	09/09/24 14:49	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Calcium	43		0.20		mg/L		08/29/24 08:36	08/30/24 15:40	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:40	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Lithium	0.032		0.010		mg/L		08/29/24 08:36	08/30/24 15:40	1
Molybdenum	0.43		0.0050		mg/L		08/29/24 08:36	08/30/24 15:40	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:40	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	970		10		mg/L			08/28/24 23:11	1
Chloride (SM 4500 Cl- E)	81		4.0		mg/L			08/29/24 16:36	2
Fluoride (SM 4500 F C)	0.77		0.10		mg/L			09/11/24 15:00	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			09/04/24 15:15	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	99.41				ft			08/28/24 10:01	1
Depth to Water (ft from MP)	101.86				ft			08/28/24 10:01	1
Elevation of well (ft from MP)	620.77				ft			08/28/24 10:01	1
Field pH	7.77				SU			08/28/24 10:01	1
Field Temperature	64.2				Degrees F			08/28/24 10:01	1
Ground Water Elevation	518.91				ft			08/28/24 10:01	1
Specific Conductance	1520				umhos/cm			08/28/24 10:01	1
Well bottom elevation	468.32				ft			08/28/24 10:01	1
Field Turbidity	1.63				NTU			08/28/24 10:01	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G47S

Lab Sample ID: 500-255604-9

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 15:56	1
Arsenic	0.027		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
Barium	0.012		0.0025		mg/L		08/29/24 08:36	08/30/24 15:56	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
Boron	6.0		0.50		mg/L		08/29/24 08:36	09/09/24 14:51	10
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Calcium	14		0.20		mg/L		08/29/24 08:36	08/30/24 15:56	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 15:56	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Lithium	0.059		0.010		mg/L		08/29/24 08:36	08/30/24 15:56	1
Molybdenum	0.48		0.0050		mg/L		08/29/24 08:36	08/30/24 15:56	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 15:56	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 15:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			08/28/24 23:13	1
Chloride (SM 4500 Cl- E)	84		4.0		mg/L			08/29/24 16:35	2
Fluoride (SM 4500 F C)	0.46		0.10		mg/L			09/11/24 15:05	1
Sulfate (SM 4500 SO4 E)	450		50		mg/L			09/04/24 15:15	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	89.49				ft			08/28/24 11:22	1
Depth to Water (ft from MP)	91.99				ft			08/28/24 11:22	1
Elevation of well (ft from MP)	612.23				ft			08/28/24 11:22	1
Field pH	7.81				SU			08/28/24 11:22	1
Field Temperature	64.9				Degrees F			08/28/24 11:22	1
Ground Water Elevation	520.24				ft			08/28/24 11:22	1
Specific Conductance	1630				umhos/cm			08/28/24 11:22	1
Well bottom elevation	459.84				ft			08/28/24 11:22	1
Field Turbidity	0.82				NTU			08/28/24 11:22	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T13S

Lab Sample ID: 500-255604-10

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 16:11	1
Arsenic	0.0022		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
Barium	0.055		0.0025		mg/L		08/29/24 08:36	08/30/24 16:11	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
Boron	0.41		0.050		mg/L		08/29/24 08:36	09/09/24 14:53	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Calcium	100		0.20		mg/L		08/29/24 08:36	08/30/24 16:11	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:11	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Lithium	0.023		0.010		mg/L		08/29/24 08:36	08/30/24 16:11	1
Molybdenum	0.012		0.0050		mg/L		08/29/24 08:36	08/30/24 16:11	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 16:11	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 16:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10		mg/L			08/28/24 23:16	1
Chloride (SM 4500 Cl- E)	31		2.0		mg/L			08/29/24 16:16	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			09/11/24 15:10	1
Sulfate (SM 4500 SO4 E)	160	F1	25		mg/L			09/04/24 15:16	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.43				ft			08/28/24 12:25	1
Depth to Water (ft from MP)	20.19				ft			08/28/24 12:25	1
Elevation of well (ft from MP)	525.33				ft			08/28/24 12:25	1
Field pH	7.46				SU			08/28/24 12:25	1
Field Temperature	62.8				Degrees F			08/28/24 12:25	1
Ground Water Elevation	505.14				ft			08/28/24 12:25	1
Specific Conductance	969				umhos/cm			08/28/24 12:25	1
Well bottom elevation	452.21				ft			08/28/24 12:25	1
Field Turbidity	6.21				NTU			08/28/24 12:25	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T12S

Lab Sample ID: 500-255604-11

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 16:14	1
Arsenic	0.066		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
Barium	0.083		0.0025		mg/L		08/29/24 08:36	08/30/24 16:14	1
Beryllium	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
Boron	4.8		0.050		mg/L		08/29/24 08:36	09/09/24 14:55	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Calcium	130		0.20		mg/L		08/29/24 08:36	08/30/24 16:14	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 16:14	1
Lead	0.00081		0.00050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Lithium	0.13		0.010		mg/L		08/29/24 08:36	08/30/24 16:14	1
Molybdenum	0.31		0.0050		mg/L		08/29/24 08:36	08/30/24 16:14	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 16:14	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 16:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	790		10		mg/L			08/28/24 23:18	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			08/29/24 16:35	2
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			09/11/24 15:14	1
Sulfate (SM 4500 SO4 E)	230		25		mg/L			09/04/24 17:08	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	71.37				ft			08/28/24 13:50	1
Depth to Water (ft from MP)	74.11				ft			08/28/24 13:50	1
Elevation of well (ft from MP)	578.74				ft			08/28/24 13:50	1
Field pH	7.42				SU			08/28/24 13:50	1
Field Temperature	58.6				Degrees F			08/28/24 13:50	1
Ground Water Elevation	504.63				ft			08/28/24 13:50	1
Specific Conductance	1123				umhos/cm			08/28/24 13:50	1
Well bottom elevation	452.24				ft			08/28/24 13:50	1
Field Turbidity	94.30				NTU			08/28/24 13:50	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G44S

Lab Sample ID: 500-255604-12

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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		08/30/24 08:14	09/06/24 17:25	1
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
Barium	0.071		0.0025		mg/L		08/30/24 08:14	09/04/24 14:24	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
Boron	1.4		0.050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Calcium	140		0.20		mg/L		08/30/24 08:14	09/06/24 17:25	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:24	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Lithium	0.022		0.010		mg/L		08/30/24 08:14	09/04/24 14:24	1
Molybdenum	0.15		0.0050		mg/L		08/30/24 08:14	09/04/24 14:24	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:24	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	760		10		mg/L			09/03/24 21:38	1
Chloride (SM 4500 Cl- E)	60		4.0		mg/L			09/04/24 12:34	2
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			09/11/24 15:18	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			09/04/24 14:58	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	82.58				ft			08/29/24 09:56	1
Depth to Water (ft from MP)	84.76				ft			08/29/24 09:56	1
Elevation of well (ft from MP)	586.68				ft			08/29/24 09:56	1
Field pH	7.34				SU			08/29/24 09:56	1
Field Temperature	59.5				Degrees F			08/29/24 09:56	1
Ground Water Elevation	501.92				ft			08/29/24 09:56	1
Specific Conductance	1165				umhos/cm			08/29/24 09:56	1
Well bottom elevation	455.11				ft			08/29/24 09:56	1
Field Turbidity	3.59				NTU			08/29/24 09:56	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G44S Dup

Lab Sample ID: 500-255604-13

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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		08/30/24 08:14	09/06/24 17:27	1
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
Barium	0.071		0.0025		mg/L		08/30/24 08:14	09/04/24 14:26	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
Boron	1.5		0.050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Calcium	140		0.20		mg/L		08/30/24 08:14	09/06/24 17:27	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:26	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Lithium	0.024		0.010		mg/L		08/30/24 08:14	09/04/24 14:26	1
Molybdenum	0.16		0.0050		mg/L		08/30/24 08:14	09/04/24 14:26	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:26	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	770		10		mg/L			09/03/24 21:45	1
Chloride (SM 4500 Cl- E)	60		4.0		mg/L			09/04/24 12:34	2
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			09/11/24 15:23	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			09/04/24 14:58	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	82.58				ft			08/29/24 09:56	1
Depth to Water (ft from MP)	84.76				ft			08/29/24 09:56	1
Elevation of well (ft from MP)	586.68				ft			08/29/24 09:56	1
Field pH	7.34				SU			08/29/24 09:56	1
Field Temperature	59.5				Degrees F			08/29/24 09:56	1
Ground Water Elevation	501.92				ft			08/29/24 09:56	1
Specific Conductance	1165				umhos/cm			08/29/24 09:56	1
Well bottom elevation	455.11				ft			08/29/24 09:56	1
Field Turbidity	3.59				NTU			08/29/24 09:56	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: R32S

Lab Sample ID: 500-255604-14

Date Collected: 08/29/24 12:09

Matrix: Water

Date Received: 08/29/24 14:35

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		08/30/24 08:14	09/06/24 17:30	1
Arsenic	0.0014		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
Barium	0.034		0.0025		mg/L		08/30/24 08:14	09/04/24 14:28	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
Boron	3.0		0.050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Calcium	120		0.20		mg/L		08/30/24 08:14	09/06/24 17:30	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:28	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Lithium	0.083		0.010		mg/L		08/30/24 08:14	09/04/24 14:28	1
Molybdenum	0.38		0.0050		mg/L		08/30/24 08:14	09/04/24 14:28	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:28	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			09/03/24 21:51	1
Chloride (SM 4500 Cl- E)	47		2.0		mg/L			09/04/24 11:51	1
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			09/11/24 15:36	1
Sulfate (SM 4500 SO4 E)	410		50		mg/L			09/04/24 15:14	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	21.78				ft			08/29/24 12:09	1
Depth to Water (ft from MP)	23.81				ft			08/29/24 12:09	1
Elevation of well (ft from MP)	536.97				ft			08/29/24 12:09	1
Field pH	7.67				SU			08/29/24 12:09	1
Field Temperature	55.9				Degrees F			08/29/24 12:09	1
Ground Water Elevation	513.16				ft			08/29/24 12:09	1
Specific Conductance	995				umhos/cm			08/29/24 12:09	1
Well bottom elevation	457.84				ft			08/29/24 12:09	1
Field Turbidity	2.52				NTU			08/29/24 12:09	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G45S

Lab Sample ID: 500-255604-15

Date Collected: 08/29/24 13:16

Matrix: Water

Date Received: 08/29/24 14:35

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		08/30/24 08:14	09/06/24 17:32	1
Arsenic	0.0080		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
Barium	0.036		0.0025		mg/L		08/30/24 08:14	09/04/24 14:30	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
Boron	0.45		0.050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Calcium	96		0.20		mg/L		08/30/24 08:14	09/06/24 17:32	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 14:30	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Lithium	0.027		0.010		mg/L		08/30/24 08:14	09/04/24 14:30	1
Molybdenum	0.0084		0.0050		mg/L		08/30/24 08:14	09/04/24 14:30	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 14:30	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 14:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	700		10		mg/L			09/03/24 21:53	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			09/04/24 12:34	5
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			09/11/24 15:40	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			09/04/24 14:59	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	59.54				ft			08/29/24 13:16	1
Depth to Water (ft from MP)	62.51				ft			08/29/24 13:16	1
Elevation of well (ft from MP)	603.80				ft			08/29/24 13:16	1
Field pH	7.30				SU			08/29/24 13:16	1
Field Temperature	60.6				Degrees F			08/29/24 13:16	1
Ground Water Elevation	541.29				ft			08/29/24 13:16	1
Specific Conductance	1038				umhos/cm			08/29/24 13:16	1
Well bottom elevation	471.05				ft			08/29/24 13:16	1
Field Turbidity	3.09				NTU			08/29/24 13:16	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T09S

Lab Sample ID: 500-255604-16

Date Collected: 09/03/24 10:43

Matrix: Water

Date Received: 09/03/24 15:08

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		09/06/24 08:49	09/09/24 15:27	1
Arsenic	0.0023		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
Barium	0.059		0.0025		mg/L		09/06/24 08:49	09/09/24 15:27	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
Boron	4.5		0.25		mg/L		09/06/24 08:49	09/16/24 11:20	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Calcium	130		0.20		mg/L		09/06/24 08:49	09/09/24 15:27	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:27	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Lithium	0.093		0.010		mg/L		09/06/24 08:49	09/10/24 14:42	1
Molybdenum	0.54		0.0050		mg/L		09/06/24 08:49	09/09/24 15:27	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:27	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 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		09/13/24 12:00	09/16/24 07:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	830		10		mg/L			09/03/24 21:56	1
Chloride (SM 4500 Cl- E)	56		4.0		mg/L			09/04/24 12:34	2
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			09/11/24 15:44	1
Sulfate (SM 4500 SO4 E)	320		50		mg/L			09/04/24 15:14	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	109.19				ft			09/03/24 10:43	1
Depth to Water (ft from MP)	111.59				ft			09/03/24 10:43	1
Elevation of well (ft from MP)	603.48				ft			09/03/24 10:43	1
Field pH	7.78				SU			09/03/24 10:43	1
Field Temperature	55.2				Degrees F			09/03/24 10:43	1
Ground Water Elevation	491.89				ft			09/03/24 10:43	1
Specific Conductance	1191				umhos/cm			09/03/24 10:43	1
Well bottom elevation	444.80				ft			09/03/24 10:43	1
Field Turbidity	20.40				NTU			09/03/24 10:43	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T06S

Lab Sample ID: 500-255604-17

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

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		09/06/24 08:49	09/09/24 15:29	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
Barium	0.036		0.0025		mg/L		09/06/24 08:49	09/09/24 15:29	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
Boron	0.89		0.050		mg/L		09/06/24 08:49	09/16/24 11:22	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Calcium	90		0.20		mg/L		09/06/24 08:49	09/09/24 15:29	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:29	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Lithium	0.026		0.010		mg/L		09/06/24 08:49	09/10/24 14:45	1
Molybdenum	0.022		0.0050		mg/L		09/06/24 08:49	09/09/24 15:29	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:29	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		10		mg/L			09/04/24 02:24	1
Chloride (SM 4500 Cl- E)	15		2.0		mg/L			09/04/24 11:52	1
Fluoride (SM 4500 F C)	0.37		0.10		mg/L			09/11/24 15:49	1
Sulfate (SM 4500 SO4 E)	97		10		mg/L			09/04/24 14:59	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	115.06				ft			09/03/24 11:57	1
Depth to Water (ft from MP)	117.36				ft			09/03/24 11:57	1
Elevation of well (ft from MP)	621.05				ft			09/03/24 11:57	1
Field pH	7.28				SU			09/03/24 11:57	1
Field Temperature	71.6				Degrees F			09/03/24 11:57	1
Ground Water Elevation	503.69				ft			09/03/24 11:57	1
Specific Conductance	798				umhos/cm			09/03/24 11:57	1
Well bottom elevation	447.94				ft			09/03/24 11:57	1
Field Turbidity	5.98				NTU			09/03/24 11:57	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T05S

Lab Sample ID: 500-255604-18

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

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		09/06/24 08:49	09/09/24 15:31	1
Arsenic	0.13		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
Barium	0.0074		0.0025		mg/L		09/06/24 08:49	09/09/24 15:31	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
Boron	13		0.50		mg/L		09/06/24 08:49	09/16/24 11:24	10
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Calcium	1.7		0.20		mg/L		09/06/24 08:49	09/09/24 15:31	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:31	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Lithium	<0.050		0.050		mg/L		09/06/24 08:49	09/10/24 14:47	5
Molybdenum	1.1		0.0050		mg/L		09/06/24 08:49	09/09/24 15:31	1
Selenium	0.0030		0.0025		mg/L		09/06/24 08:49	09/09/24 15:31	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 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		09/13/24 12:00	09/16/24 07:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			09/04/24 02:26	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			09/04/24 12:35	5
Fluoride (SM 4500 F C)	1.5		0.10		mg/L			09/11/24 15:54	1
Sulfate (SM 4500 SO4 E)	610		100		mg/L			09/04/24 15:14	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	119.64				ft			09/03/24 13:32	1
Depth to Water (ft from MP)	122.04				ft			09/03/24 13:32	1
Elevation of well (ft from MP)	623.50				ft			09/03/24 13:32	1
Field pH	9.13				SU			09/03/24 13:32	1
Field Temperature	68.4				Degrees F			09/03/24 13:32	1
Ground Water Elevation	501.46				ft			09/03/24 13:32	1
Specific Conductance	2380				umhos/cm			09/03/24 13:32	1
Well bottom elevation	448.35				ft			09/03/24 13:32	1
Field Turbidity	2.76				NTU			09/03/24 13:32	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T02S

Lab Sample ID: 500-255604-19

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

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		09/06/24 08:49	09/09/24 15:52	1
Arsenic	0.0077		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
Barium	0.22		0.0025		mg/L		09/06/24 08:49	09/09/24 15:52	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
Boron	3.7		0.25		mg/L		09/06/24 08:49	09/16/24 11:26	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:52	1
Calcium	89		0.20		mg/L		09/06/24 08:49	09/09/24 15:52	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:52	1
Cobalt	0.0012		0.0010		mg/L		09/06/24 08:49	09/09/24 15:52	1
Lead	0.012		0.00050		mg/L		09/06/24 08:49	09/09/24 15:52	1
Lithium	0.044		0.010		mg/L		09/06/24 08:49	09/10/24 14:56	1
Molybdenum	0.30		0.0050		mg/L		09/06/24 08:49	09/09/24 15:52	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:52	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	310		20		mg/L			09/14/24 17:00	20
Total Dissolved Solids (SM 2540C)	910		10		mg/L			09/05/24 04:14	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			09/09/24 13:41	5
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			09/11/24 15:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	130.98				ft			09/04/24 10:41	1
Depth to Water (ft from MP)	133.31				ft			09/04/24 10:41	1
Elevation of well (ft from MP)	626.12				ft			09/04/24 10:41	1
Field pH	7.70				SU			09/04/24 10:41	1
Field Temperature	64.9				Degrees F			09/04/24 10:41	1
Ground Water Elevation	492.81				ft			09/04/24 10:41	1
Specific Conductance	1277				umhos/cm			09/04/24 10:41	1
Well bottom elevation	453.40				ft			09/04/24 10:41	1
Field Turbidity	68.70				NTU			09/04/24 10:41	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T08S

Lab Sample ID: 500-255604-20

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

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		09/06/24 08:49	09/09/24 15:59	1
Arsenic	0.012		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
Barium	0.024		0.0025		mg/L		09/06/24 08:49	09/09/24 15:59	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
Boron	6.9		0.25		mg/L		09/06/24 08:49	09/16/24 11:29	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Calcium	16		0.20		mg/L		09/06/24 08:49	09/09/24 15:59	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 15:59	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Lithium	0.060		0.050		mg/L		09/06/24 08:49	09/10/24 14:58	5
Molybdenum	0.63		0.0050		mg/L		09/06/24 08:49	09/09/24 15:59	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 15:59	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 15:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	430		20		mg/L			09/14/24 17:46	20
Total Dissolved Solids (SM 2540C)	930		10		mg/L			09/05/24 04:16	1
Chloride (SM 4500 Cl- E)	73		4.0		mg/L			09/09/24 13:41	2
Fluoride (SM 4500 F C)	0.44		0.10		mg/L			09/11/24 16:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	126.50				ft			09/04/24 12:11	1
Depth to Water (ft from MP)	128.88				ft			09/04/24 12:11	1
Elevation of well (ft from MP)	627.55				ft			09/04/24 12:11	1
Field pH	8.09				SU			09/04/24 12:11	1
Field Temperature	73.4				Degrees F			09/04/24 12:11	1
Ground Water Elevation	498.67				ft			09/04/24 12:11	1
Specific Conductance	1372				umhos/cm			09/04/24 12:11	1
Well bottom elevation	447.38				ft			09/04/24 12:11	1
Field Turbidity	3.05				NTU			09/04/24 12:11	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T03S

Lab Sample ID: 500-255604-21

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

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		09/06/24 08:49	09/09/24 16:05	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
Barium	0.076		0.0025		mg/L		09/06/24 08:49	09/09/24 16:05	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
Boron	1.3		0.050		mg/L		09/06/24 08:49	09/16/24 11:31	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Calcium	130		0.20		mg/L		09/06/24 08:49	09/09/24 16:05	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:05	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Lithium	0.025		0.010		mg/L		09/06/24 08:49	09/10/24 15:01	1
Molybdenum	0.11		0.0050		mg/L		09/06/24 08:49	09/09/24 16:05	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:05	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	190		10		mg/L			09/14/24 18:01	10
Total Dissolved Solids (SM 2540C)	850		10		mg/L			09/05/24 04:19	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			09/09/24 13:41	5
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			09/11/24 16:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	134.32				ft			09/04/24 13:22	1
Depth to Water (ft from MP)	137.40				ft			09/04/24 13:22	1
Elevation of well (ft from MP)	629.85				ft			09/04/24 13:22	1
Field pH	7.58				SU			09/04/24 13:22	1
Field Temperature	55.6				Degrees F			09/04/24 13:22	1
Ground Water Elevation	492.45				ft			09/04/24 13:22	1
Specific Conductance	1307				umhos/cm			09/04/24 13:22	1
Well bottom elevation	456.70				ft			09/04/24 13:22	1
Field Turbidity	1.57				NTU			09/04/24 13:22	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T11S

Lab Sample ID: 500-255604-22

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

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		09/06/24 08:49	09/09/24 16:08	1
Arsenic	0.0012		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
Barium	0.048		0.0025		mg/L		09/06/24 08:49	09/09/24 16:08	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
Boron	0.27		0.050		mg/L		09/06/24 08:49	09/16/24 11:33	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Calcium	120		0.20		mg/L		09/06/24 08:49	09/09/24 16:08	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:08	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Lithium	0.021		0.010		mg/L		09/06/24 08:49	09/10/24 15:03	1
Molybdenum	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 16:08	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:08	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	190		10		mg/L			09/14/24 18:16	10
Total Dissolved Solids (SM 2540C)	550		10		mg/L			09/06/24 01:47	1
Chloride (SM 4500 Cl- E)	40		2.0		mg/L			09/09/24 13:22	1
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			09/11/24 16:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	62.21				ft			09/05/24 10:02	1
Depth to Water (ft from MP)	64.95				ft			09/05/24 10:02	1
Elevation of well (ft from MP)	559.48				ft			09/05/24 10:02	1
Field pH	7.63				SU			09/05/24 10:02	1
Field Temperature	72.9				Degrees F			09/05/24 10:02	1
Ground Water Elevation	494.53				ft			09/05/24 10:02	1
Specific Conductance	932				umhos/cm			09/05/24 10:02	1
Well bottom elevation	445.60				ft			09/05/24 10:02	1
Field Turbidity	78.90				NTU			09/05/24 10:02	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T01S

Lab Sample ID: 500-255604-23

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

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		09/06/24 08:49	09/09/24 16:10	1
Arsenic	0.0097		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
Barium	0.056		0.0025		mg/L		09/06/24 08:49	09/09/24 16:10	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
Boron	4.1		0.25		mg/L		09/06/24 08:49	09/16/24 11:35	5
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 16:10	1
Calcium	52		0.20		mg/L		09/06/24 08:49	09/09/24 16:10	1
Chromium	0.0070		0.0050		mg/L		09/06/24 08:49	09/09/24 16:10	1
Cobalt	0.0033		0.0010		mg/L		09/06/24 08:49	09/09/24 16:10	1
Lead	0.0026		0.00050		mg/L		09/06/24 08:49	09/09/24 16:10	1
Lithium	0.017		0.010		mg/L		09/06/24 08:49	09/10/24 15:05	1
Molybdenum	0.28		0.0050		mg/L		09/06/24 08:49	09/09/24 16:10	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 16:10	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 16:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	400		20		mg/L			09/14/24 18:31	20
Total Dissolved Solids (SM 2540C)	920		10		mg/L			09/06/24 01:49	1
Chloride (SM 4500 Cl- E)	96		10		mg/L			09/09/24 13:41	5
Fluoride (SM 4500 F C)	0.97		0.10		mg/L			09/11/24 16:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	119.93				ft			09/05/24 11:24	1
Depth to Water (ft from MP)	122.41				ft			09/05/24 11:24	1
Elevation of well (ft from MP)	621.84				ft			09/05/24 11:24	1
Field pH	7.34				SU			09/05/24 11:24	1
Field Temperature	74.3				Degrees F			09/05/24 11:24	1
Ground Water Elevation	499.43				ft			09/05/24 11:24	1
Specific Conductance	1427				umhos/cm			09/05/24 11:24	1
Well bottom elevation	451.46				ft			09/05/24 11:24	1
Field Turbidity	71.70				NTU			09/05/24 11:24	1

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Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^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
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.
α	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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Metals

Prep Batch: 783793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	3005A	
500-255604-2	G33S	Total Recoverable	Water	3005A	
500-255604-3	G30S	Total Recoverable	Water	3005A	
500-255604-4	G31S	Total Recoverable	Water	3005A	
500-255604-5	R08S	Total Recoverable	Water	3005A	
500-255604-6	G46S	Total Recoverable	Water	3005A	
500-255604-7	G39S	Total Recoverable	Water	3005A	
500-255604-8	G48S	Total Recoverable	Water	3005A	
500-255604-9	G47S	Total Recoverable	Water	3005A	
500-255604-10	T13S	Total Recoverable	Water	3005A	
500-255604-11	T12S	Total Recoverable	Water	3005A	
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-255604-1 MS	G20S	Total Recoverable	Water	3005A	
500-255604-1 MSD	G20S	Total Recoverable	Water	3005A	
500-255604-1 DU	G20S	Total Recoverable	Water	3005A	

Prep Batch: 783976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	3005A	
500-255604-13	G44S Dup	Total Recoverable	Water	3005A	
500-255604-14	R32S	Total Recoverable	Water	3005A	
500-255604-15	G45S	Total Recoverable	Water	3005A	
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 784174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
500-255604-5	R08S	Total Recoverable	Water	6020B	783793
500-255604-6	G46S	Total Recoverable	Water	6020B	783793
500-255604-7	G39S	Total Recoverable	Water	6020B	783793
500-255604-8	G48S	Total Recoverable	Water	6020B	783793
500-255604-9	G47S	Total Recoverable	Water	6020B	783793
500-255604-10	T13S	Total Recoverable	Water	6020B	783793
500-255604-11	T12S	Total Recoverable	Water	6020B	783793
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

Analysis Batch: 784622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	6020B	783976
500-255604-13	G44S Dup	Total Recoverable	Water	6020B	783976
500-255604-14	R32S	Total Recoverable	Water	6020B	783976
500-255604-15	G45S	Total Recoverable	Water	6020B	783976

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Metals (Continued)

Analysis Batch: 784622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	6020B	783976
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783976

Analysis Batch: 784845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

Prep Batch: 784847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	3005A	
500-255604-17	T06S	Total Recoverable	Water	3005A	
500-255604-18	T05S	Total Recoverable	Water	3005A	
500-255604-19	T02S	Total Recoverable	Water	3005A	
500-255604-20	T08S	Total Recoverable	Water	3005A	
500-255604-21	T03S	Total Recoverable	Water	3005A	
500-255604-22	T11S	Total Recoverable	Water	3005A	
500-255604-23	T01S	Total Recoverable	Water	3005A	
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 785047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total Recoverable	Water	6020B	783976
500-255604-13	G44S Dup	Total Recoverable	Water	6020B	783976
500-255604-14	R32S	Total Recoverable	Water	6020B	783976
500-255604-15	G45S	Total Recoverable	Water	6020B	783976
MB 500-783976/1-A	Method Blank	Total Recoverable	Water	6020B	783976
LCS 500-783976/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783976
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

Analysis Batch: 785268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total Recoverable	Water	6020B	783793
500-255604-2	G33S	Total Recoverable	Water	6020B	783793
500-255604-3	G30S	Total Recoverable	Water	6020B	783793
500-255604-4	G31S	Total Recoverable	Water	6020B	783793
500-255604-5	R08S	Total Recoverable	Water	6020B	783793
500-255604-6	G46S	Total Recoverable	Water	6020B	783793
500-255604-7	G39S	Total Recoverable	Water	6020B	783793
500-255604-8	G48S	Total Recoverable	Water	6020B	783793
500-255604-9	G47S	Total Recoverable	Water	6020B	783793

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Metals (Continued)

Analysis Batch: 785268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-10	T13S	Total Recoverable	Water	6020B	783793
500-255604-11	T12S	Total Recoverable	Water	6020B	783793
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847
MB 500-783793/1-A	Method Blank	Total Recoverable	Water	6020B	783793
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	6020B	784847
LCS 500-783793/2-A	Lab Control Sample	Total Recoverable	Water	6020B	783793
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	784847
500-255604-1 MS	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 MSD	G20S	Total Recoverable	Water	6020B	783793
500-255604-1 DU	G20S	Total Recoverable	Water	6020B	783793

Analysis Batch: 785456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847

Prep Batch: 785732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	7470A	
500-255604-2	G33S	Total/NA	Water	7470A	
500-255604-3	G30S	Total/NA	Water	7470A	
500-255604-4	G31S	Total/NA	Water	7470A	
500-255604-5	R08S	Total/NA	Water	7470A	
500-255604-6	G46S	Total/NA	Water	7470A	
500-255604-7	G39S	Total/NA	Water	7470A	
500-255604-8	G48S	Total/NA	Water	7470A	
500-255604-9	G47S	Total/NA	Water	7470A	
500-255604-10	T13S	Total/NA	Water	7470A	
500-255604-11	T12S	Total/NA	Water	7470A	
500-255604-12	G44S	Total/NA	Water	7470A	
500-255604-13	G44S Dup	Total/NA	Water	7470A	
MB 500-785732/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-785732/13-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 500-785732/31-A	Lab Control Sample Dup	Total/NA	Water	7470A	
500-255604-8 MS	G48S	Total/NA	Water	7470A	
500-255604-8 MSD	G48S	Total/NA	Water	7470A	
500-255604-8 DU	G48S	Total/NA	Water	7470A	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Metals

Analysis Batch: 785969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	7470A	785732
500-255604-2	G33S	Total/NA	Water	7470A	785732
500-255604-3	G30S	Total/NA	Water	7470A	785732
500-255604-4	G31S	Total/NA	Water	7470A	785732
500-255604-5	R08S	Total/NA	Water	7470A	785732
500-255604-6	G46S	Total/NA	Water	7470A	785732
500-255604-7	G39S	Total/NA	Water	7470A	785732
500-255604-8	G48S	Total/NA	Water	7470A	785732
500-255604-9	G47S	Total/NA	Water	7470A	785732
500-255604-10	T13S	Total/NA	Water	7470A	785732
500-255604-11	T12S	Total/NA	Water	7470A	785732
500-255604-12	G44S	Total/NA	Water	7470A	785732
500-255604-13	G44S Dup	Total/NA	Water	7470A	785732
MB 500-785732/12-A	Method Blank	Total/NA	Water	7470A	785732
LCS 500-785732/13-A	Lab Control Sample	Total/NA	Water	7470A	785732
LCSD 500-785732/31-A	Lab Control Sample Dup	Total/NA	Water	7470A	785732
500-255604-8 MS	G48S	Total/NA	Water	7470A	785732
500-255604-8 MSD	G48S	Total/NA	Water	7470A	785732
500-255604-8 DU	G48S	Total/NA	Water	7470A	785732

Prep Batch: 785985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-14	R32S	Total/NA	Water	7470A	
500-255604-15	G45S	Total/NA	Water	7470A	
500-255604-16	T09S	Total/NA	Water	7470A	
500-255604-17	T06S	Total/NA	Water	7470A	
500-255604-18	T05S	Total/NA	Water	7470A	
500-255604-19	T02S	Total/NA	Water	7470A	
500-255604-20	T08S	Total/NA	Water	7470A	
500-255604-21	T03S	Total/NA	Water	7470A	
500-255604-22	T11S	Total/NA	Water	7470A	
500-255604-23	T01S	Total/NA	Water	7470A	
MB 500-785985/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-785985/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 786245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-14	R32S	Total/NA	Water	7470A	785985
500-255604-15	G45S	Total/NA	Water	7470A	785985
500-255604-16	T09S	Total/NA	Water	7470A	785985
500-255604-17	T06S	Total/NA	Water	7470A	785985
500-255604-18	T05S	Total/NA	Water	7470A	785985
500-255604-19	T02S	Total/NA	Water	7470A	785985
500-255604-20	T08S	Total/NA	Water	7470A	785985
500-255604-21	T03S	Total/NA	Water	7470A	785985
500-255604-22	T11S	Total/NA	Water	7470A	785985
500-255604-23	T01S	Total/NA	Water	7470A	785985
MB 500-785985/12-A	Method Blank	Total/NA	Water	7470A	785985
LCS 500-785985/13-A	Lab Control Sample	Total/NA	Water	7470A	785985

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Metals

Analysis Batch: 786279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total Recoverable	Water	6020B	784847
500-255604-17	T06S	Total Recoverable	Water	6020B	784847
500-255604-18	T05S	Total Recoverable	Water	6020B	784847
500-255604-19	T02S	Total Recoverable	Water	6020B	784847
500-255604-20	T08S	Total Recoverable	Water	6020B	784847
500-255604-21	T03S	Total Recoverable	Water	6020B	784847
500-255604-22	T11S	Total Recoverable	Water	6020B	784847
500-255604-23	T01S	Total Recoverable	Water	6020B	784847
MB 500-784847/1-A	Method Blank	Total Recoverable	Water	6020B	784847
LCS 500-784847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	784847

General Chemistry

Analysis Batch: 783139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 2540C	
MB 500-783139/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783139/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 783419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 F C	
MB 500-783419/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-783419/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-255604-1 MS	G20S	Total/NA	Water	SM 4500 F C	
500-255604-1 MSD	G20S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 783532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-2	G33S	Total/NA	Water	SM 2540C	
500-255604-3	G30S	Total/NA	Water	SM 2540C	
500-255604-4	G31S	Total/NA	Water	SM 2540C	
MB 500-783532/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783532/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-2 MS	G33S	Total/NA	Water	SM 2540C	
500-255604-2 DU	G33S	Total/NA	Water	SM 2540C	
500-255604-3 DU	G30S	Total/NA	Water	SM 2540C	

Analysis Batch: 783697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 Cl- E	
500-255604-2	G33S	Total/NA	Water	SM 4500 Cl- E	
500-255604-3	G30S	Total/NA	Water	SM 4500 Cl- E	
500-255604-4	G31S	Total/NA	Water	SM 4500 Cl- E	
500-255604-5	R08S	Total/NA	Water	SM 4500 Cl- E	
500-255604-6	G46S	Total/NA	Water	SM 4500 Cl- E	
500-255604-7	G39S	Total/NA	Water	SM 4500 Cl- E	
MB 500-783697/20	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-783697/21	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

General Chemistry

Analysis Batch: 783743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-5	R08S	Total/NA	Water	SM 2540C	
500-255604-6	G46S	Total/NA	Water	SM 2540C	
500-255604-7	G39S	Total/NA	Water	SM 2540C	
500-255604-8	G48S	Total/NA	Water	SM 2540C	
500-255604-9	G47S	Total/NA	Water	SM 2540C	
500-255604-10	T13S	Total/NA	Water	SM 2540C	
500-255604-11	T12S	Total/NA	Water	SM 2540C	
MB 500-783743/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-783743/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-5 MS	R08S	Total/NA	Water	SM 2540C	
500-255604-5 DU	R08S	Total/NA	Water	SM 2540C	
500-255604-6 DU	G46S	Total/NA	Water	SM 2540C	

Analysis Batch: 783929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	SM 4500 Cl- E	
500-255604-9	G47S	Total/NA	Water	SM 4500 Cl- E	
500-255604-10	T13S	Total/NA	Water	SM 4500 Cl- E	
500-255604-11	T12S	Total/NA	Water	SM 4500 Cl- E	
MB 500-783929/23	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-783929/24	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-255604-8 MS	G48S	Total/NA	Water	SM 4500 Cl- E	
500-255604-8 MSD	G48S	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 784339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	SM 2540C	
500-255604-13	G44S Dup	Total/NA	Water	SM 2540C	
500-255604-14	R32S	Total/NA	Water	SM 2540C	
500-255604-15	G45S	Total/NA	Water	SM 2540C	
500-255604-16	T09S	Total/NA	Water	SM 2540C	
MB 500-784339/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784339/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-255604-12 MS	G44S	Total/NA	Water	SM 2540C	
500-255604-12 DU	G44S	Total/NA	Water	SM 2540C	
500-255604-13 DU	G44S Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 784340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-17	T06S	Total/NA	Water	SM 2540C	
500-255604-18	T05S	Total/NA	Water	SM 2540C	
MB 500-784340/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784340/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 784483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	SM 4500 Cl- E	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 Cl- E	
500-255604-14	R32S	Total/NA	Water	SM 4500 Cl- E	
500-255604-15	G45S	Total/NA	Water	SM 4500 Cl- E	
500-255604-16	T09S	Total/NA	Water	SM 4500 Cl- E	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

General Chemistry (Continued)

Analysis Batch: 784483 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-17	T06S	Total/NA	Water	SM 4500 Cl- E	
500-255604-18	T05S	Total/NA	Water	SM 4500 Cl- E	
MB 500-784483/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-784483/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 784540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	SM 4500 SO4 E	
500-255604-2	G33S	Total/NA	Water	SM 4500 SO4 E	
500-255604-3	G30S	Total/NA	Water	SM 4500 SO4 E	
500-255604-4	G31S	Total/NA	Water	SM 4500 SO4 E	
500-255604-5	R08S	Total/NA	Water	SM 4500 SO4 E	
500-255604-6	G46S	Total/NA	Water	SM 4500 SO4 E	
500-255604-7	G39S	Total/NA	Water	SM 4500 SO4 E	
500-255604-8	G48S	Total/NA	Water	SM 4500 SO4 E	
500-255604-9	G47S	Total/NA	Water	SM 4500 SO4 E	
500-255604-10	T13S	Total/NA	Water	SM 4500 SO4 E	
500-255604-12	G44S	Total/NA	Water	SM 4500 SO4 E	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 SO4 E	
500-255604-14	R32S	Total/NA	Water	SM 4500 SO4 E	
500-255604-15	G45S	Total/NA	Water	SM 4500 SO4 E	
500-255604-16	T09S	Total/NA	Water	SM 4500 SO4 E	
500-255604-17	T06S	Total/NA	Water	SM 4500 SO4 E	
500-255604-18	T05S	Total/NA	Water	SM 4500 SO4 E	
MB 500-784540/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-784540/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-255604-10 MS	T13S	Total/NA	Water	SM 4500 SO4 E	
500-255604-10 MSD	T13S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 784578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	SM 2540C	
500-255604-20	T08S	Total/NA	Water	SM 2540C	
500-255604-21	T03S	Total/NA	Water	SM 2540C	
MB 500-784578/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784578/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 784598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-11	T12S	Total/NA	Water	SM 4500 SO4 E	
MB 500-784598/64	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-784598/65	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-255604-11 MS	T12S	Total/NA	Water	SM 4500 SO4 E	
500-255604-11 MSD	T12S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 784792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	SM 2540C	
500-255604-23	T01S	Total/NA	Water	SM 2540C	
MB 500-784792/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-784792/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

General Chemistry

Analysis Batch: 785245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	SM 4500 Cl- E	
500-255604-20	T08S	Total/NA	Water	SM 4500 Cl- E	
500-255604-21	T03S	Total/NA	Water	SM 4500 Cl- E	
500-255604-22	T11S	Total/NA	Water	SM 4500 Cl- E	
500-255604-23	T01S	Total/NA	Water	SM 4500 Cl- E	
MB 500-785245/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-785245/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 785708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-2	G33S	Total/NA	Water	SM 4500 F C	
500-255604-3	G30S	Total/NA	Water	SM 4500 F C	
500-255604-4	G31S	Total/NA	Water	SM 4500 F C	
500-255604-5	R08S	Total/NA	Water	SM 4500 F C	
500-255604-6	G46S	Total/NA	Water	SM 4500 F C	
500-255604-7	G39S	Total/NA	Water	SM 4500 F C	
500-255604-8	G48S	Total/NA	Water	SM 4500 F C	
500-255604-9	G47S	Total/NA	Water	SM 4500 F C	
500-255604-10	T13S	Total/NA	Water	SM 4500 F C	
500-255604-11	T12S	Total/NA	Water	SM 4500 F C	
500-255604-12	G44S	Total/NA	Water	SM 4500 F C	
500-255604-13	G44S Dup	Total/NA	Water	SM 4500 F C	
500-255604-14	R32S	Total/NA	Water	SM 4500 F C	
500-255604-15	G45S	Total/NA	Water	SM 4500 F C	
500-255604-16	T09S	Total/NA	Water	SM 4500 F C	
500-255604-17	T06S	Total/NA	Water	SM 4500 F C	
500-255604-18	T05S	Total/NA	Water	SM 4500 F C	
500-255604-19	T02S	Total/NA	Water	SM 4500 F C	
500-255604-20	T08S	Total/NA	Water	SM 4500 F C	
500-255604-21	T03S	Total/NA	Water	SM 4500 F C	
500-255604-22	T11S	Total/NA	Water	SM 4500 F C	
500-255604-23	T01S	Total/NA	Water	SM 4500 F C	
MB 500-785708/31	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-785708/59	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-785708/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-785708/60	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-255604-6 MS	G46S	Total/NA	Water	SM 4500 F C	
500-255604-6 MSD	G46S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 786076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	9056A	
500-255604-20	T08S	Total/NA	Water	9056A	
500-255604-21	T03S	Total/NA	Water	9056A	
500-255604-22	T11S	Total/NA	Water	9056A	
500-255604-23	T01S	Total/NA	Water	9056A	
MB 500-786076/10	Method Blank	Total/NA	Water	9056A	
LCS 500-786076/11	Lab Control Sample	Total/NA	Water	9056A	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Field Service / Mobile Lab

Analysis Batch: 784590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	Field Sampling	
500-255604-2	G33S	Total/NA	Water	Field Sampling	
500-255604-3	G30S	Total/NA	Water	Field Sampling	
500-255604-4	G31S	Total/NA	Water	Field Sampling	
500-255604-5	R08S	Total/NA	Water	Field Sampling	
500-255604-6	G46S	Total/NA	Water	Field Sampling	
500-255604-7	G39S	Total/NA	Water	Field Sampling	
500-255604-8	G48S	Total/NA	Water	Field Sampling	
500-255604-9	G47S	Total/NA	Water	Field Sampling	
500-255604-10	T13S	Total/NA	Water	Field Sampling	
500-255604-11	T12S	Total/NA	Water	Field Sampling	
500-255604-12	G44S	Total/NA	Water	Field Sampling	
500-255604-13	G44S Dup	Total/NA	Water	Field Sampling	
500-255604-14	R32S	Total/NA	Water	Field Sampling	
500-255604-15	G45S	Total/NA	Water	Field Sampling	
500-255604-16	T09S	Total/NA	Water	Field Sampling	
500-255604-17	T06S	Total/NA	Water	Field Sampling	
500-255604-18	T05S	Total/NA	Water	Field Sampling	
500-255604-19	T02S	Total/NA	Water	Field Sampling	
500-255604-20	T08S	Total/NA	Water	Field Sampling	
500-255604-21	T03S	Total/NA	Water	Field Sampling	
500-255604-22	T11S	Total/NA	Water	Field Sampling	
500-255604-23	T01S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-783793/1-A

Matrix: Water

Analysis Batch: 784174

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		08/29/24 08:36	08/30/24 14:14	1
Arsenic	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Barium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:14	1
Beryllium	<0.0010	^+	0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Cadmium	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Calcium	<0.20		0.20		mg/L		08/29/24 08:36	08/30/24 14:14	1
Chromium	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Cobalt	<0.0010		0.0010		mg/L		08/29/24 08:36	08/30/24 14:14	1
Lead	<0.00050		0.00050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Molybdenum	<0.0050		0.0050		mg/L		08/29/24 08:36	08/30/24 14:14	1
Selenium	<0.0025		0.0025		mg/L		08/29/24 08:36	08/30/24 14:14	1
Thallium	<0.0020		0.0020		mg/L		08/29/24 08:36	08/30/24 14:14	1

Lab Sample ID: MB 500-783793/1-A

Matrix: Water

Analysis Batch: 784845

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		08/29/24 08:36	09/05/24 15:35	1

Lab Sample ID: MB 500-783793/1-A

Matrix: Water

Analysis Batch: 785268

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		08/29/24 08:36	09/09/24 14:14	1

Lab Sample ID: LCS 500-783793/2-A

Matrix: Water

Analysis Batch: 784174

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.524	^1+	mg/L		105	80 - 120
Arsenic	0.100	0.0989		mg/L		99	80 - 120
Barium	0.500	0.512		mg/L		102	80 - 120
Beryllium	0.0500	0.0565	^+	mg/L		113	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	10.0	8.73		mg/L		87	80 - 120
Chromium	0.200	0.225		mg/L		112	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Lead	0.100	0.107		mg/L		107	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Selenium	0.100	0.0979		mg/L		98	80 - 120
Thallium	0.100	0.109		mg/L		109	80 - 120

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-783793/2-A
Matrix: Water
Analysis Batch: 784845

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 783793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-783793/2-A
Matrix: Water
Analysis Batch: 785268

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 783793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: 500-255604-1 MS
Matrix: Water
Analysis Batch: 784174

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030	^1+	0.500	0.528	^1+	mg/L		106	75 - 125
Arsenic	<0.0010		0.100	0.101		mg/L		101	75 - 125
Barium	0.046		0.500	0.555		mg/L		102	75 - 125
Beryllium	<0.0010	^+	0.0500	0.0554	^+	mg/L		111	75 - 125
Cadmium	<0.00050		0.0500	0.0519		mg/L		104	75 - 125
Calcium	62		10.0	71.6	4	mg/L		99	75 - 125
Chromium	<0.0050		0.200	0.220		mg/L		110	75 - 125
Cobalt	<0.0010		0.500	0.527		mg/L		105	75 - 125
Lead	<0.00050		0.100	0.106		mg/L		106	75 - 125
Molybdenum	0.020		1.00	1.06		mg/L		104	75 - 125
Selenium	<0.0025		0.100	0.100		mg/L		100	75 - 125
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125

Lab Sample ID: 500-255604-1 MS
Matrix: Water
Analysis Batch: 784845

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.040		0.100	0.147		mg/L		107	75 - 125

Lab Sample ID: 500-255604-1 MS
Matrix: Water
Analysis Batch: 785047

Client Sample ID: G20S
Prep Type: Total Recoverable
Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.523		mg/L		105	75 - 125
Arsenic	<0.0010		0.100	0.101		mg/L		101	75 - 125
Barium	0.045		0.500	0.549		mg/L		101	75 - 125
Beryllium	<0.0010		0.0500	0.0505		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0508		mg/L		102	75 - 125
Calcium	62		10.0	71.4	4	mg/L		98	75 - 125
Chromium	<0.0050		0.200	0.203		mg/L		101	75 - 125
Cobalt	<0.0010		0.500	0.514		mg/L		103	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Lithium	0.040		0.100	0.142		mg/L		102	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-1 MS

Matrix: Water

Analysis Batch: 785047

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	0.019		1.00	1.03		mg/L		101	75 - 125
Selenium	<0.0025		0.100	0.103		mg/L		103	75 - 125
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 500-255604-1 MS

Matrix: Water

Analysis Batch: 785268

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.3		1.00	2.31		mg/L		102	75 - 125

Lab Sample ID: 500-255604-1 MSD

Matrix: Water

Analysis Batch: 784174

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030	^1+	0.500	0.539	^1+	mg/L		108	75 - 125	2	20
Arsenic	<0.0010		0.100	0.102		mg/L		102	75 - 125	1	20
Barium	0.046		0.500	0.553		mg/L		101	75 - 125	0	20
Beryllium	<0.0010	^+	0.0500	0.0565	^+	mg/L		113	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0530		mg/L		106	75 - 125	2	20
Calcium	62		10.0	71.8	4	mg/L		101	75 - 125	0	20
Chromium	<0.0050		0.200	0.223		mg/L		112	75 - 125	1	20
Cobalt	<0.0010		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00050		0.100	0.108		mg/L		108	75 - 125	2	20
Molybdenum	0.020		1.00	1.07		mg/L		105	75 - 125	1	20
Selenium	<0.0025		0.100	0.100		mg/L		100	75 - 125	0	20
Thallium	<0.0020		0.100	0.110		mg/L		110	75 - 125	2	20

Lab Sample ID: 500-255604-1 MSD

Matrix: Water

Analysis Batch: 784845

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.040		0.100	0.148		mg/L		108	75 - 125	1	20

Lab Sample ID: 500-255604-1 MSD

Matrix: Water

Analysis Batch: 785047

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.534		mg/L		107	75 - 125	2	20
Arsenic	<0.0010		0.100	0.103		mg/L		102	75 - 125	2	20
Barium	0.045		0.500	0.557		mg/L		102	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0502		mg/L		100	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0518		mg/L		104	75 - 125	2	20
Calcium	62		10.0	70.0	4	mg/L		84	75 - 125	2	20
Chromium	<0.0050		0.200	0.206		mg/L		103	75 - 125	2	20
Cobalt	<0.0010		0.500	0.517		mg/L		103	75 - 125	1	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	1	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-1 MSD

Matrix: Water

Analysis Batch: 785047

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.040		0.100	0.145		mg/L		105	75 - 125	2	20
Molybdenum	0.019		1.00	1.05		mg/L		103	75 - 125	2	20
Selenium	<0.0025		0.100	0.102		mg/L		102	75 - 125	1	20
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125	2	20

Lab Sample ID: 500-255604-1 MSD

Matrix: Water

Analysis Batch: 785268

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.3		1.00	2.34		mg/L		105	75 - 125	1	20

Lab Sample ID: 500-255604-1 DU

Matrix: Water

Analysis Batch: 784174

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030	^1+	<0.0030	^1+	mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.046		0.0463		mg/L		1	20
Beryllium	<0.0010	^+	<0.0010	^+	mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	62		62.8		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
Molybdenum	0.020		0.0197		mg/L		0.2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-255604-1 DU

Matrix: Water

Analysis Batch: 784845

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.040		0.0412		mg/L		3	20

Lab Sample ID: 500-255604-1 DU

Matrix: Water

Analysis Batch: 785047

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.045		0.0455		mg/L		0.7	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	62		61.9		mg/L		0.5	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-1 DU

Matrix: Water

Analysis Batch: 785047

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.040		0.0398		mg/L		0.9	20
Molybdenum	0.019		0.0194		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: 500-255604-1 DU

Matrix: Water

Analysis Batch: 785268

Client Sample ID: G20S

Prep Type: Total Recoverable

Prep Batch: 783793

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	1.3		1.28		mg/L		0.5	20

Lab Sample ID: MB 500-783976/1-A

Matrix: Water

Analysis Batch: 784622

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Barium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 13:29	1
Beryllium	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Boron	<0.050		0.050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Cadmium	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Chromium	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Cobalt	<0.0010		0.0010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Lead	<0.00050		0.00050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Lithium	<0.010		0.010		mg/L		08/30/24 08:14	09/04/24 13:29	1
Molybdenum	<0.0050		0.0050		mg/L		08/30/24 08:14	09/04/24 13:29	1
Selenium	<0.0025		0.0025		mg/L		08/30/24 08:14	09/04/24 13:29	1
Thallium	<0.0020		0.0020		mg/L		08/30/24 08:14	09/04/24 13:29	1

Lab Sample ID: MB 500-783976/1-A

Matrix: Water

Analysis Batch: 785047

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 783976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/30/24 08:14	09/06/24 16:56	1
Calcium	<0.20		0.20		mg/L		08/30/24 08:14	09/06/24 16:56	1

Lab Sample ID: LCS 500-783976/2-A

Matrix: Water

Analysis Batch: 784622

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 783976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0981		mg/L		98	80 - 120
Barium	2.00	2.23		mg/L		111	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120
Boron	1.00	0.985		mg/L		99	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-783976/2-A

Matrix: Water

Analysis Batch: 784622

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 783976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.500	0.535		mg/L		107	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.500	0.525		mg/L		105	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Selenium	0.100	0.0987		mg/L		99	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: LCS 500-783976/2-A

Matrix: Water

Analysis Batch: 785047

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 783976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.504		mg/L		101	80 - 120
Calcium	10.0	9.10		mg/L		91	80 - 120

Lab Sample ID: MB 500-784847/1-A

Matrix: Water

Analysis Batch: 785268

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 784847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/06/24 08:49	09/09/24 14:58	1
Arsenic	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Barium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 14:58	1
Beryllium	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Cadmium	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Calcium	<0.20		0.20		mg/L		09/06/24 08:49	09/09/24 14:58	1
Chromium	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Cobalt	<0.0010		0.0010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Lead	<0.00050		0.00050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Lithium	<0.010		0.010		mg/L		09/06/24 08:49	09/09/24 14:58	1
Molybdenum	<0.0050		0.0050		mg/L		09/06/24 08:49	09/09/24 14:58	1
Selenium	<0.0025		0.0025		mg/L		09/06/24 08:49	09/09/24 14:58	1
Thallium	<0.0020		0.0020		mg/L		09/06/24 08:49	09/09/24 14:58	1

Lab Sample ID: MB 500-784847/1-A

Matrix: Water

Analysis Batch: 786279

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 784847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/06/24 08:49	09/16/24 11:15	1

Lab Sample ID: LCS 500-784847/2-A

Matrix: Water

Analysis Batch: 785268

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 784847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.521		mg/L		104	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	0.500	0.521		mg/L		104	80 - 120
Beryllium	0.0500	0.0527		mg/L		105	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-784847/2-A
Matrix: Water
Analysis Batch: 785268

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 784847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0522		mg/L		104	80 - 120
Calcium	10.0	9.23		mg/L		92	80 - 120
Chromium	0.200	0.214		mg/L		107	80 - 120
Cobalt	0.500	0.544		mg/L		109	80 - 120
Lead	0.100	0.105		mg/L		105	80 - 120
Lithium	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: LCS 500-784847/2-A
Matrix: Water
Analysis Batch: 786279

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 784847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.01		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-785732/12-A
Matrix: Water
Analysis Batch: 785969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 785732

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/12/24 10:25	09/13/24 08:04	1

Lab Sample ID: LCS 500-785732/13-A
Matrix: Water
Analysis Batch: 785969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 785732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00203		mg/L		102	80 - 120

Lab Sample ID: LCSD 500-785732/31-A
Matrix: Water
Analysis Batch: 785969

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 785732

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.00190		mg/L		95	80 - 120	7	20

Lab Sample ID: 500-255604-8 MS
Matrix: Water
Analysis Batch: 785969

Client Sample ID: G48S
Prep Type: Total/NA
Prep Batch: 785732

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000976		mg/L		98	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-8 MSD

Matrix: Water

Analysis Batch: 785969

Client Sample ID: G48S

Prep Type: Total/NA

Prep Batch: 785732

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000980		mg/L		98	75 - 125	0	20

Lab Sample ID: 500-255604-8 DU

Matrix: Water

Analysis Batch: 785969

Client Sample ID: G48S

Prep Type: Total/NA

Prep Batch: 785732

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

Lab Sample ID: MB 500-785985/12-A

Matrix: Water

Analysis Batch: 786245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 785985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/13/24 12:00	09/16/24 07:25	1

Lab Sample ID: LCS 500-785985/13-A

Matrix: Water

Analysis Batch: 786245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 785985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00200		mg/L		100	80 - 120

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 500-786076/10

Matrix: Water

Analysis Batch: 786076

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.0		1.0		mg/L			09/14/24 14:44	1

Lab Sample ID: LCS 500-786076/11

Matrix: Water

Analysis Batch: 786076

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	20.4		mg/L		102	80 - 120

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

Lab Sample ID: MB 500-783139/1

Matrix: Water

Analysis Batch: 783139

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			08/25/24 22:54	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-783139/2

Matrix: Water

Analysis Batch: 783139

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	270		mg/L		108	80 - 120

Lab Sample ID: MB 500-783532/1

Matrix: Water

Analysis Batch: 783532

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			08/27/24 21:52	1

Lab Sample ID: LCS 500-783532/2

Matrix: Water

Analysis Batch: 783532

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: 500-255604-2 MS

Matrix: Water

Analysis Batch: 783532

Client Sample ID: G33S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	350		250	612		mg/L		105	75 - 125

Lab Sample ID: 500-255604-2 DU

Matrix: Water

Analysis Batch: 783532

Client Sample ID: G33S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	350		362		mg/L		3	5

Lab Sample ID: 500-255604-3 DU

Matrix: Water

Analysis Batch: 783532

Client Sample ID: G30S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1280		mg/L		4	5

Lab Sample ID: MB 500-783743/1

Matrix: Water

Analysis Batch: 783743

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			08/28/24 22:51	1

Lab Sample ID: LCS 500-783743/2

Matrix: Water

Analysis Batch: 783743

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	246		mg/L		98	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-5 MS

Matrix: Water

Analysis Batch: 783743

Client Sample ID: R08S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	770		250	1050		mg/L		111	75 - 125

Lab Sample ID: 500-255604-5 DU

Matrix: Water

Analysis Batch: 783743

Client Sample ID: R08S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	770		788		mg/L		2	5

Lab Sample ID: 500-255604-6 DU

Matrix: Water

Analysis Batch: 783743

Client Sample ID: G46S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1020		mg/L		2	5

Lab Sample ID: MB 500-784339/1

Matrix: Water

Analysis Batch: 784339

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			09/03/24 21:33	1

Lab Sample ID: LCS 500-784339/2

Matrix: Water

Analysis Batch: 784339

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	288		mg/L		115	80 - 120

Lab Sample ID: 500-255604-12 MS

Matrix: Water

Analysis Batch: 784339

Client Sample ID: G44S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	760		250	1050		mg/L		114	75 - 125

Lab Sample ID: 500-255604-12 DU

Matrix: Water

Analysis Batch: 784339

Client Sample ID: G44S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	760		750		mg/L		2	5

Lab Sample ID: 500-255604-13 DU

Matrix: Water

Analysis Batch: 784339

Client Sample ID: G44S Dup

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	770		772		mg/L		0.8	5

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: MB 500-784340/1
Matrix: Water
Analysis Batch: 784340

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			09/04/24 02:19	1

Lab Sample ID: LCS 500-784340/2
Matrix: Water
Analysis Batch: 784340

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	236		mg/L		94	80 - 120

Lab Sample ID: MB 500-784578/1
Matrix: Water
Analysis Batch: 784578

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			09/05/24 04:09	1

Lab Sample ID: LCS 500-784578/2
Matrix: Water
Analysis Batch: 784578

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	238		mg/L		95	80 - 120

Lab Sample ID: MB 500-784792/1
Matrix: Water
Analysis Batch: 784792

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			09/06/24 01:42	1

Lab Sample ID: LCS 500-784792/2
Matrix: Water
Analysis Batch: 784792

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

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-783697/20
Matrix: Water
Analysis Batch: 783697

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			08/28/24 13:59	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: LCS 500-783697/21
Matrix: Water
Analysis Batch: 783697

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	19.9		mg/L		100	85 - 115

Lab Sample ID: MB 500-783929/23
Matrix: Water
Analysis Batch: 783929

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			08/29/24 16:14	1

Lab Sample ID: LCS 500-783929/24
Matrix: Water
Analysis Batch: 783929

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	19.4		mg/L		97	85 - 115

Lab Sample ID: 500-255604-8 MS
Matrix: Water
Analysis Batch: 783929

Client Sample ID: G48S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	81		20.0	101	4	mg/L		100	75 - 125

Lab Sample ID: 500-255604-8 MSD
Matrix: Water
Analysis Batch: 783929

Client Sample ID: G48S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	81		20.0	101	4	mg/L		99	75 - 125	0	20

Lab Sample ID: MB 500-784483/16
Matrix: Water
Analysis Batch: 784483

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			09/04/24 11:49	1

Lab Sample ID: LCS 500-784483/17
Matrix: Water
Analysis Batch: 784483

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: MB 500-785245/16
Matrix: Water
Analysis Batch: 785245

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			09/09/24 13:21	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: LCS 500-785245/17
Matrix: Water
Analysis Batch: 785245

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	19.6		mg/L		98	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-783419/31
Matrix: Water
Analysis Batch: 783419

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			08/26/24 15:18	1

Lab Sample ID: LCS 500-783419/32
Matrix: Water
Analysis Batch: 783419

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	9.25		mg/L		93	90 - 119

Lab Sample ID: 500-255604-1 MS
Matrix: Water
Analysis Batch: 783419

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.73		5.00	5.71		mg/L		99	75 - 125

Lab Sample ID: 500-255604-1 MSD
Matrix: Water
Analysis Batch: 783419

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.73		5.00	5.66		mg/L		98	75 - 125	1	20

Lab Sample ID: MB 500-785708/31
Matrix: Water
Analysis Batch: 785708

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			09/11/24 12:05	1

Lab Sample ID: MB 500-785708/59
Matrix: Water
Analysis Batch: 785708

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			09/11/24 14:22	1

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-785708/32

Matrix: Water

Analysis Batch: 785708

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	9.18		mg/L		92	90 - 119

Lab Sample ID: LCS 500-785708/60

Matrix: Water

Analysis Batch: 785708

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	9.10		mg/L		91	90 - 119

Lab Sample ID: 500-255604-6 MS

Matrix: Water

Analysis Batch: 785708

Client Sample ID: G46S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.23		5.00	4.75		mg/L		90	75 - 125

Lab Sample ID: 500-255604-6 MSD

Matrix: Water

Analysis Batch: 785708

Client Sample ID: G46S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.23		5.00	4.74		mg/L		90	75 - 125	0	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-784540/16

Matrix: Water

Analysis Batch: 784540

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			09/04/24 14:33	1

Lab Sample ID: LCS 500-784540/17

Matrix: Water

Analysis Batch: 784540

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	22.1		mg/L		110	88 - 123

Lab Sample ID: 500-255604-10 MS

Matrix: Water

Analysis Batch: 784540

Client Sample ID: T13S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	160	F1	20.0	174	4	mg/L		87	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

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

Lab Sample ID: 500-255604-10 MSD

Matrix: Water

Analysis Batch: 784540

Client Sample ID: T13S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	160	F1	20.0	175	4	mg/L		93	75 - 125	1	20

Lab Sample ID: MB 500-784598/64

Matrix: Water

Analysis Batch: 784598

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			09/04/24 15:26	1

Lab Sample ID: LCS 500-784598/65

Matrix: Water

Analysis Batch: 784598

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	22.3		mg/L		111	88 - 123

Lab Sample ID: 500-255604-11 MS

Matrix: Water

Analysis Batch: 784598

Client Sample ID: T12S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	230		20.0	244	4	mg/L		75	75 - 125

Lab Sample ID: 500-255604-11 MSD

Matrix: Water

Analysis Batch: 784598

Client Sample ID: T12S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	230		20.0	245	4	mg/L		78	75 - 125	0	20

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Ver: 05/06/2024 17/2024

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2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No. 500-127868-50642 1					
Client Contact James Thorne		Phone		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin		Page Page 1 of 3					
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-255604</i>			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPD - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E						Preservation Codes. D HNO3 N None			
City Joliet		TAT Requested (days)								500-255604 COC			
State Zip IL, 60436		Compliance Project. ☐ Yes ☐ No											
Phone		PO # 4502153835								500-255604 COC			
Email james.thorne@nrg.com		WO #								Other			
Project Name Joliet #9 CCR		Project # 50011504											
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)		Field Filtered Sample (Yes or No)		Special Instructions/Note:	
<i>R086</i>		<i>08/23/24</i>		<i>1133</i>				Water					
<i>G205</i>								Water					
<i>R326</i>								Water					
<i>G446</i>								Water					
<i>G455</i>								Water					
<i>G465</i>								Water					
<i>G476</i>								Water					
<i>G486</i>								Water					
<i>T036</i>								Water					
<i>G006</i>								Water					
<i>BUP</i>								Water					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements			
Empty Kit Relinquished by				Date		Time		Method of Shipment:					
Relinquished by <i>CD</i>				Date/Time <i>08/23/24 1545</i>		Company <i>EETA</i>		Received by <i>Stephanie Hemondy</i>		Date/Time <i>08/23/24 1545</i>		Company <i>EETA</i>	
Relinquished by				Date/Time		Company		Received by		Date/Time		Company	
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. <i>3.9 > 3.8</i> <i>489t</i>									

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Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L, Jose</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 2					
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin		Page Page 2 of 3					
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-255604</i>			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Particulate (PM10, PM2.5) (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFP - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E Total Number of Containers						Preservation Codes. D HNO3 N None			
City Joliet		TAT Requested (days)								Other:			
State Zip IL, 60436		Compliance Project. ☐ Yes ☐ No											
Phone 500-255604 COC		PO # 4502153835											
Email james.thorne@nrg.com		WO #											
Project Name Joliet #9 CCR		Project # 50011504											
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)		Preservation Code:		Special Instructions/Note:	
<i>G318</i>		<i>08/27/24</i>		<i>0940</i>				Water		☒ ☒ D D D D N			
<i>G335</i>		<i>08/27/24</i>		<i>1044</i>				Water		☒ ☒ D D D D N			
<i>G395</i>		<i>08/27/24</i>		<i>1214</i>				Water		☒ ☒ D D D D N			
<i>G318</i>								Water					
<i>G335</i>								Water					
<i>G395</i>								Water					
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<i>G335</i>								Water					

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L.</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 1	
Client Contact: James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin.		Page Page 1 of 3	
Company Midwest Generation EME LLC				PWSID		Analysis Requested			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFP_C - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SC4_E		Total Number of containers		Job # <i>500-255604</i>	
City: Joliet		TAT Requested (days)							
State Zip: IL, 60436		Compliance Project ☐ Yes ☐ No							
Phone		PO # 4502153835							
Email james.thorne@nrg.com		WO #							
Project Name Joliet #9 CCR		Project # 50011504						Preservation Codes. D HNO3 N None	
Site Illinois		SSOW#:						Other:	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:		Special Instructions/Note:	
<i>12 R085 G44S</i>		<i>08/29/24</i>	<i>0956</i>		Water				
<i>13 G208 DUP of G44S</i>		<i>08/29/24</i>	<i>0956</i>		Water				
<i>14 R325 R325</i>		<i>08/29/24</i>	<i>1209</i>		Water				
<i>15 G44S G45S</i>		<i>08/29/24</i>	<i>1316</i>		Water				
G455					Water				
G465					Water				
G475					Water				
G485					Water				
T035					Water				
G305					Water				
DUP					Water				
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)					Special Instructions/QC Requirements				
Empty Kit Relinquished by			Date	Time	Method of Shipment:				
Relinquished by: <i>[Signature]</i>			Date/Time <i>08/29/24 1435</i>	Company <i>EETA</i>	Received by: <i>[Signature]</i>		Date/Time <i>8/29/24 1435</i>	Company <i>EETA</i>	
Relinquished by:			Date/Time	Company	Received by:		Date/Time	Company	
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 <i>39 → 38</i>				

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Ver: 05/06/2024 9/17/2024

 eurofins Environment To Air
America

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 eurofins ΕΛΛΗΝΙΚΗ ΕΤΕΡΩΤΗΤΑ
ΑΝΩΝΥΜΗ ΕΤΑΙΡΙΑ



2417 Bond Street
University Park, IL 60484
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: 500-255604-1

Login Number: 255604

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	3.8,3.8,2.0,2.8,3.8,3.7,4.1,5.7
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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G20S

Date Collected: 08/23/24 11:33

Date Received: 08/23/24 15:45

Lab Sample ID: 500-255604-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:19
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 15:40
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:18
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:09
Total/NA	Analysis	SM 2540C		1	783139	CLB	EET CHI	08/25/24 23:26
Total/NA	Analysis	SM 4500 Cl- E		1	783697	TR	EET CHI	08/28/24 14:01
Total/NA	Analysis	SM 4500 F C		1	783419	ER	EET CHI	08/26/24 15:26
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 15:01
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/23/24 11:33

Client Sample ID: G33S

Date Collected: 08/26/24 09:53

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:30
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 15:53
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:30
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:11
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 21:57
Total/NA	Analysis	SM 4500 Cl- E		1	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:02
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 15:01
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 09:53

Client Sample ID: G30S

Date Collected: 08/26/24 11:26

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:32
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		5	784845	RN	EET CHI	09/05/24 15:55
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:32

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G30S

Date Collected: 08/26/24 11:26

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:13
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 22:04
Total/NA	Analysis	SM 4500 Cl- E		10	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:07
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 11:26

Client Sample ID: G31S

Date Collected: 08/26/24 13:20

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:50
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784845	RN	EET CHI	09/05/24 16:03
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:40
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:15
Total/NA	Analysis	SM 2540C		1	783532	CLB	EET CHI	08/27/24 22:10
Total/NA	Analysis	SM 4500 Cl- E		10	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:12
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/26/24 13:20

Client Sample ID: R08S

Date Collected: 08/27/24 09:40

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 14:57
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:42
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:17
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 22:56
Total/NA	Analysis	SM 4500 Cl- E		2	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:17
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:13
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 09:40

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G46S

Date Collected: 08/27/24 10:44

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:17
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:44
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:23
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:03
Total/NA	Analysis	SM 4500 CI- E		2	783697	TR	EET CHI	08/28/24 14:03
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:40
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 14:57
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 10:44

Client Sample ID: G39S

Date Collected: 08/27/24 12:14

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:38
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:46
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:26
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:08
Total/NA	Analysis	SM 4500 CI- E		1	783697	TR	EET CHI	08/28/24 14:02
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 14:56
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 14:57
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/27/24 12:14

Client Sample ID: G48S

Date Collected: 08/28/24 10:01

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:40
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:49
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:28
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:11
Total/NA	Analysis	SM 4500 CI- E		2	783929	TR	EET CHI	08/29/24 16:36
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:00

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: G48S

Date Collected: 08/28/24 10:01

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-8

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	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 10:01

Client Sample ID: G47S

Date Collected: 08/28/24 11:22

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 15:56
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		10	785268	RN	EET CHI	09/09/24 14:51
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:36
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:13
Total/NA	Analysis	SM 4500 Cl- E		2	783929	TR	EET CHI	08/29/24 16:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:05
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:15
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 11:22

Client Sample ID: T13S

Date Collected: 08/28/24 12:25

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 16:11
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:53
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:38
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:16
Total/NA	Analysis	SM 4500 Cl- E		1	783929	TR	EET CHI	08/29/24 16:16
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:10
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 15:16
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 12:25

Client Sample ID: T12S

Date Collected: 08/28/24 13:50

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	784174	RN	EET CHI	08/30/24 16:14

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T12S

Date Collected: 08/28/24 13:50

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783793	BDE	EET CHI	08/29/24 08:36 - 08/29/24 14:36 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 14:55
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:40
Total/NA	Analysis	SM 2540C		1	783743	CLB	EET CHI	08/28/24 23:18
Total/NA	Analysis	SM 4500 CI- E		2	783929	TR	EET CHI	08/29/24 16:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:14
Total/NA	Analysis	SM 4500 SO4 E		5	784598	TR	EET CHI	09/04/24 17:08
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/28/24 13:50

Client Sample ID: G44S

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:24
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:25
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:43
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:38
Total/NA	Analysis	SM 4500 CI- E		2	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:18
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:58
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 09:56

Client Sample ID: G44S Dup

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:26
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:27
Total/NA	Prep	7470A			785732	MJG	EET CHI	09/12/24 10:25 - 09/12/24 12:25 ¹
Total/NA	Analysis	7470A		1	785969	MJG	EET CHI	09/13/24 08:51
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:45
Total/NA	Analysis	SM 4500 CI- E		2	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:23
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:58
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 09:56

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: R32S

Date Collected: 08/29/24 12:09

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:28
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:30
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:30
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:51
Total/NA	Analysis	SM 4500 CI- E		1	784483	TR	EET CHI	09/04/24 11:51
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:36
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 12:09

Client Sample ID: G45S

Date Collected: 08/29/24 13:16

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	784622	RN	EET CHI	09/04/24 14:30
Total Recoverable	Prep	3005A			783976	BDE	EET CHI	08/30/24 08:14 - 08/30/24 14:14 ¹
Total Recoverable	Analysis	6020B		1	785047	RN	EET CHI	09/06/24 17:32
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:32
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:53
Total/NA	Analysis	SM 4500 CI- E		5	784483	TR	EET CHI	09/04/24 12:34
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:40
Total/NA	Analysis	SM 4500 SO4 E		5	784540	TR	EET CHI	09/04/24 14:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	08/29/24 13:16

Client Sample ID: T09S

Date Collected: 09/03/24 10:43

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:27
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:42
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:20
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:34
Total/NA	Analysis	SM 2540C		1	784339	CLB	EET CHI	09/03/24 21:56
Total/NA	Analysis	SM 4500 CI- E		2	784483	TR	EET CHI	09/04/24 12:34

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T09S

Date Collected: 09/03/24 10:43

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:44
Total/NA	Analysis	SM 4500 SO4 E		10	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 10:43

Client Sample ID: T06S

Date Collected: 09/03/24 11:57

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:29
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:45
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:22
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:36
Total/NA	Analysis	SM 2540C		1	784340	CLB	EET CHI	09/04/24 02:24
Total/NA	Analysis	SM 4500 Cl- E		1	784483	TR	EET CHI	09/04/24 11:52
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:49
Total/NA	Analysis	SM 4500 SO4 E		2	784540	TR	EET CHI	09/04/24 14:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 11:57

Client Sample ID: T05S

Date Collected: 09/03/24 13:32

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:31
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	785456	RN	EET CHI	09/10/24 14:47
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		10	786279	RN	EET CHI	09/16/24 11:24
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:38
Total/NA	Analysis	SM 2540C		1	784340	CLB	EET CHI	09/04/24 02:26
Total/NA	Analysis	SM 4500 Cl- E		5	784483	TR	EET CHI	09/04/24 12:35
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:54
Total/NA	Analysis	SM 4500 SO4 E		20	784540	TR	EET CHI	09/04/24 15:14
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/03/24 13:32

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T02S

Date Collected: 09/04/24 10:41

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:52
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 14:56
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:26
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:40
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 17:00
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:14
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 15:59
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 10:41

Client Sample ID: T08S

Date Collected: 09/04/24 12:11

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 15:59
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	785456	RN	EET CHI	09/10/24 14:58
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:29
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:42
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 17:46
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:16
Total/NA	Analysis	SM 4500 CI- E		2	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:04
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 12:11

Client Sample ID: T03S

Date Collected: 09/04/24 13:22

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:05
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:01
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:31

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T03S

Date Collected: 09/04/24 13:22

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:49
Total/NA	Analysis	9056A		10	786076	NMB	EET CHI	09/14/24 18:01
Total/NA	Analysis	SM 2540C		1	784578	CLB	EET CHI	09/05/24 04:19
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:09
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/04/24 13:22

Client Sample ID: T11S

Date Collected: 09/05/24 10:02

Date Received: 09/05/24 13:20

Lab Sample ID: 500-255604-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:08
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:03
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	786279	RN	EET CHI	09/16/24 11:33
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:51
Total/NA	Analysis	9056A		10	786076	NMB	EET CHI	09/14/24 18:16
Total/NA	Analysis	SM 2540C		1	784792	CLB	EET CHI	09/06/24 01:47
Total/NA	Analysis	SM 4500 CI- E		1	785245	TR	EET CHI	09/09/24 13:22
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:13
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/05/24 10:02

Client Sample ID: T01S

Date Collected: 09/05/24 11:24

Date Received: 09/05/24 13:20

Lab Sample ID: 500-255604-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785268	RN	EET CHI	09/09/24 16:10
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		1	785456	RN	EET CHI	09/10/24 15:05
Total Recoverable	Prep	3005A			784847	BDE	EET CHI	09/06/24 08:49 - 09/06/24 14:49 ¹
Total Recoverable	Analysis	6020B		5	786279	RN	EET CHI	09/16/24 11:35
Total/NA	Prep	7470A			785985	MJG	EET CHI	09/13/24 12:00 - 09/13/24 14:00 ¹
Total/NA	Analysis	7470A		1	786245	MJG	EET CHI	09/16/24 07:53
Total/NA	Analysis	9056A		20	786076	NMB	EET CHI	09/14/24 18:31
Total/NA	Analysis	SM 2540C		1	784792	CLB	EET CHI	09/06/24 01:49
Total/NA	Analysis	SM 4500 CI- E		5	785245	TR	EET CHI	09/09/24 13:41

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Client Sample ID: T01S
Date Collected: 09/05/24 11:24
Date Received: 09/05/24 13:20

Lab Sample ID: 500-255604-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 F C		1	785708	ER	EET CHI	09/11/24 16:17
Total/NA	Analysis	Field Sampling		1	784590	JVB	EET CHI	09/05/24 11:24

* 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

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25

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



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-1

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/23/24 Start Purge: 1115 End Purge: 1133
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.15 7.18 7.18 (std.)
Ref. Measuring Pt. TIC SC 713 715 715 (umhos/cm)
Well Elevation *580.87 (ft./msl) Temp. 30.52 30.51 30.51 (°C)
Water Level 52.80 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 528.07 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 75°F, Sunny, S winds e 0-5 mph
Turbidity: 0.39 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 52.80 - 2.78 = 50.02 (ft)
Levels were taken on 08/23/24 @ 1110

(Updated: 07/14/2022)

Sampler Name (Print): Nae Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255104-2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/26/24 Start Purge: 0937 End Purge: 0953
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.68 7.66 7.66 (std.)
Ref. Measuring Pt. TIC SC 732 736 736 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 18.52 18.59 18.59 (°C)
Water Level 35.24 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.43 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 81°F, Mostly Cloudy, S winds @ 5-10 mph
Turbidity: 4.68 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 35.24 - 1.73 = 33.51 (ft.)
Levels were taken on 08/26/24 @ 0932

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 08/26/24 Start Purge: 1107 End Purge: 1126
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.25

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.60 7.59 7.59 (std.)
Ref. Measuring Pt. TIC SC 1970 1970 1970 (umhos/cm)
Well Elevation *524.86 (ft./msl) Temp. 19.07 19.05 19.05 (°C)
Water Level 1.55 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 523.31 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 85°F, Mostly Sunny, SW winds 0-5 mph
Turbidity: 0.57 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.55 - 2.31 = -0.76 (ft.)
Levels were taken on 08/26/24 @ 1102

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-4

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/26/24 Start Purge: 1301 End Purge: 1320
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.86

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.47 7.46 7.46 (std.)
Ref. Measuring Pt. TIC SC 2190 2180 2180 (umhos/cm)
Well Elevation *535.73 (ft./msl) Temp. 17.07 17.21 17.21 (°C)
Water Level 30.88 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.85 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 91°F, Sunny, SW winds e 5-10 mph
Turbidity: 0.66 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 30.88 - 2.58 = 28.30 (ft.)
Levels were taken on 08/26/24 @ 1256

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-5

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/27/24 Start Purge: 0925 End Purge: 0940
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.99 7.98 7.98 (std.)
Ref. Measuring Pt. TIC SC 1082 1085 1085 (umhos/cm)
Well Elevation *578.66 (ft./msl) Temp. 15.93 15.95 15.95 (°C)
Water Level 68.83 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 509.83 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 86°F, Sunny, SW winds 0-5 mph
Turbidity: 0.74 NTU
Other: *Reference Measurement (Well ID updated 11-25-15)
Depth To Water from L.S. = 68.83 - 2.55 = 66.28 (ft.)
Levels were taken on 08/27/24 @ 0920

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-16

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/27/24 Start Purge: 1026 End Purge: 1044
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.81

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.50 7.55 7.55 (std.)
Ref. Measuring Pt. TIC SC 1402 1407 1407 (umhos/cm)
Well Elevation *601.41 (ft./msl) Temp. 17.41 17.56 17.56 (°C)
Water Level 88.00 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 513.41 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 88°F, Sunny, SW winds e 0-5 mph
Turbidity: 56.30 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 88.00 - 2.70 = 85.30 (A)
Levels were taken on 08/27/24 @ 1021

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-7

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/27/24 Start Purge: 1156 End Purge: 1214
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 7.33 7.31 7.31 (std.)
Ref. Measuring Pt. TIC SC 860 865 865 (umhos/cm)
Well Elevation *598.75 (ft./msl) Temp. 14.35 14.41 14.41 (°C)
Water Level 94.71 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.04 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 92°F (Real Feel 109°F), Sunny, SW winds e 0-5 mph
Turbidity 0.93 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.71 - 2.08 = 92.63 (ft.)
Levels were taken on 08/27/24 @ 1151

(Updated: 09-19-2023)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-8

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/28/24 Start Purge: 0943 End Purge: 1001
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 7.79 7.77 7.77 (std.)
Ref. Measuring Pt. TIC SC 1530 1520 1520 (umhos/cm)
Well Elevation *620.77 (ft./msl) Temp. 17.87 17.91 17.91 (°C)
Water Level 101.86 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 518.91 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 73°F, Cloudy, SW windre 5-10 mph
Turbidity: 1.63 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 101.86 - 2.45 = 99.41 (ft)
Levels were taken on 08/28/24 @ 0938

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/28/24 Start Purge: 1102 End Purge: 1122
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 7.80 7.81 7.81 (std.)
Ref. Measuring Pt. TIC SC 1640 1630 1630 (umhos/cm)
Well Elevation *612.23 (ft./msl) Temp. 18.27 18.30 18.30 (°C)
Water Level 91.99 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.24 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 79°F, Cloudy, SW winds e 5-10 mph
Turbidity: 0.82 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 91.99 - 2.50 = 89.49 (ft.)
Levels were taken on 08/28/24 @ 1057.

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)(N)
Sampling _____ Bladder Pump _____ Dedicated (Y)(N)

PURGING INFORMATION

Purge Date: 08/28/24 Start Purge: 1215 End Purge: 1225
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.48 7.46 7.46 (std.)
Ref. Measuring Pt. TIC SC 968 969 969 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 17.30 17.11 17.11 (°C)
Water Level 20.19 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.14 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Strong Odor
Weather Conditions: 78°F, Mostly Cloudy, W winds @ 0-5 mph
Turbidity: 6.21 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 20.19 - 2.76 = 17.43 (ft.)
Levels were taken on 08/28/24 @ 1210
* Total Depth: 73.12 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-11

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/28/24 Start Purge: 1338 End Purge: 1350
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.43 7.42 7.42 (std.)
Ref. Measuring Pt. TIC SC 1116 1123 1123 (umhos/cm)
Well Elevation * 578.74 (ft./msl) Temp. 14.86 14.78 14.78 (°C)
Water Level 74.11 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.63 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Slight Turbidity, No Odor
Weather Conditions: 82°F, Mostly Cloudy, W winds e 0-5 mph
Turbidity: 94.30 NTU
Other: *Reference Measurement (form added 05/08/2023)
Depth To Water from L.S. = 74.11 - 2.74 = 71.37 (ft.)
Levels were taken on 08/28/24 @ 1333
* Total Depth: 126.5 (ft)

(Updated: 05/08/2023)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-12

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/29/24 Start Purge: 0937 End Purge: 0956
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.36 7.34 7.34 (std.)
Ref. Measuring Pt. TIC SC 1156 1165 1165 (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. 15.26 15.30 15.30 (°C)
Water Level 84.76 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.92 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 74°F, Cloudy, NE winds 0-5 mph
Turbidity: 3.59 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 84.76 - 2.18 = 82.58 (ft.)
Levels were taken on 08/29/24 @ 0932

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-13

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: _____ Start Purge: _____ End Purge: _____
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation *586.68 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-14

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 08/29/24 Start Purge: 1150 End Purge: 1209
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.70 7.67 7.67 (std.)
Ref. Measuring Pt. TIC SC 992 995 995 (umhos/cm)
Well Elevation *536.97 (ft./msl) Temp. 13.24 13.34 13.34 (°C)
Water Level 23.81 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 513.16 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 80°F, Mostly Cloudy, E winds 0-5 mph
Turbidity: 2.52 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 23.81 - 2.03 = 21.78 (ft.)
Levels were taken on 08/29/24 @ 1145

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-15

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 08/29/24 Start Purge: 1300 End Purge: 1316
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

	1st	2nd	Final																															
Well Diameter <u>2.0</u> (inches)																																		
Stick Up <u>2.97</u> (ft)	pH <u>7.28</u>	<u>7.30</u>	<u>7.30</u>	(std.)																														
Ref. Measuring Pt. <u>TIC</u>	SC <u>1027</u>	<u>1038</u>	<u>1038</u>	(umhos/cm)																														
Well Elevation <u>*603.80</u> (ft./msl)	Temp. <u>16.05</u>	<u>15.89</u>	<u>15.89</u>	(°C)																														
Water Level <u>62.51</u> (ft.)	Well Stabilization / Recharge Grid																																	
Ground Water Elev. <u>541.29</u> (ft./msl)	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																																	
Well Bottom Elevation <u>*471.05</u> (ft./msl)																																		

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 85°F, Mostly Cloudy, SE winds 0-5 mph
Turbidity: 3.09 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 62.51 - 2.97 = 59.54 (ft.)
Levels were taken on 08/29/24 @ 1255

(Updated: 07/14/2022)

Sampler Name (Print): Noc Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-16

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/03/24 Start Purge: 1025 End Purge: 1043
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.80 7.78 7.78 (std.)
Ref. Measuring Pt. TIC SC 1193 1191 1191 (umhos/cm)
Well Elevation * 603.48 (ft./msl) Temp. 12.90 12.89 12.89 (°C)
Water Level 111.59 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 491.89 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 69°F, Sunny, SE winds e 5-10 mph
Turbidity: 20.40 NTU

Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 111.59 - 2.40 = 109.19 (ft)
Levels were taken on 09/03/24 @ 1010
* Total Depth: 158.59

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-17

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 09/03/24 Start Purge: 1142 End Purge: 1157
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.29 7.28 7.28 (std.)
Ref. Measuring Pt. TIC SC 801 798 798 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 22.12 22.05 22.05 (°C)
Water Level 117.36 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 503.69 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 72°F, Sunny, SE winds @ 5-10 mph
Turbidity: 5.98 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 117.36 - 2.30 = 115.06 (ft.)
Levels were taken on 09/03/24 @ 1127
* Total Deth = 173.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/03/24 Start Purge: 1315 End Purge: 1332
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 9.10 9.13 9.13 (std.)
Ref. Measuring Pt. TIC SC 2390 2380 2380 (umhos/cm)
Well Elevation * 623.50 (ft./msl) Temp. 20.25 20.18 20.18 (°C)
Water Level 122.04 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.46 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 74°F, Sunny, SE winds @ 0-5 mph
Turbidity: 2.76 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.04 - 2.40 = 119.64 (ft.)
Levels were taken on 09/03/24 @ 1300
* Total Deth = 175.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255104-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/04/24 Start Purge: 1024 End Purge: 1040
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.68 7.70 7.70 (std.)
Ref. Measuring Pt. TIC SC 1264 1277 1277 (umhos/cm)
Well Elevation * 626.12 (ft./msl) Temp. 18.28 18.34 18.34 (°C)
Water Level 133.31 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.81 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 74°F, Sunny, SE winds @ 0-5 mph
Turbidity: 68.70 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 133.31 - 2.33 = 130.98 (ft.)
Levels were taken on 09/04/24 @ 1009
* Total Depth = 172.75

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-259604-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump Dedicated (Y/N) (N)
Sampling _____ Bladder Pump Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/04/24 Start Purge: 1155 End Purge: 1211
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.06 8.09 8.09 (std.)
Ref. Measuring Pt. TIC SC 1281 1372 1372 (umhos/cm)
Well Elevation * 627.55 (ft./msl) Temp. 23.12 23.05 23.05 (°C)
Water Level 128.88 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 498.67 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 76°F, Sunny, SE winds 0-5 mph
Turbidity: 3.05 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 128.88 - 2.38 = 126.50 (ft.)
Levels were taken on 09/04/24 @ 1140
* Total Deth = 180.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-21

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 09/04/24 Start Purge: 1306 End Purge: 1322
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.41

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.57 7.58 7.58 (std.)
Ref. Measuring Pt. TIC SC 1324 1307 1307 (umhos/cm)
Well Elevation * 629.85 (ft./msl) Temp. 13.08 13.07 13.07 (°C)
Water Level 137.40 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.45 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 81°F, Sunny, SE winds e 0-5 mph
Turbidity: 1.57 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 137.40 - 3.08 = 134.32 (ft)
Levels were taken on 09/04/24 @ 1301
* Total Depth = 172.95

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255604-22

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/05/24 Start Purge: 0942 End Purge: 1002
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.64 7.63 7.63 (std.)
Ref. Measuring Pt. TIC SC 939 932 932 (umhos/cm)
Well Elevation * 559.48 (ft./msl) Temp. 22.74 22.67 22.67 (°C)
Water Level 64.95 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 494.53 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 78°F, Sunny, SW winds 0-5 mph
Turbidity 78.90 NTU
Other: *Reference Measurement (updated 02/19/14)
Depth To Water from L.S. = 64.95 - 2.74 = 62.21 (ft.)
Levels were taken on 09/05/24 @ 0927.
* Total Depth: 113.76

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environmental Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-255104-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 09/05/24 Start Purge: 1108 End Purge: 1124
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.21

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.33 7.34 7.34 (std.)
Ref. Measuring Pt. TIC SC 1424 1427 1427 (umhos/cm)
Well Elevation * 621.84 (ft./msl) Temp. 23.44 23.50 23.50 (°C)
Water Level 122.41 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 499.43 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, Slight Odor
Weather Conditions: 83°F, Partly Sunny, SW winds e 5-10 mph
Turbidity: 71.70 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 122.41 - 2.48 = 119.93 (ft.)
Levels were taken on 09/05/24 @ 1150
* Total Depth = 170.00

(Updated: 07/14/2022)

Sampler Name (Print): Noe Lopez Signature: [Signature]

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/1/2024 2:57:10 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 3Q24

JOB NUMBER

500-255604-2

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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Authorized for release by
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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Job ID: 500-255604-2

Eurofins Chicago

Job Narrative 500-255604-2

Receipt

The samples were received on 8/23/2024 3:45 PM, 8/26/2024 2:25 PM, 8/27/2024 1:25 PM, 8/28/2024 2:55 PM, 8/29/2024 2:35 PM, 9/3/2024 3:08 PM, 9/4/2024 2:30 PM and 9/5/2024 1:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 2.0°C, 2.8°C, 3.7°C, 3.8°C, 3.8°C, 3.8°C, 4.1°C and 5.7°C.

Gas Flow Proportional Counter

Method 904.0: Radium-228 batch 678692

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: T01S (500-255604-23). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 678274

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: T05S (500-255604-18). 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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-255604-1	G20S	Water	08/23/24 11:33	08/23/24 15:45
500-255604-2	G33S	Water	08/26/24 09:53	08/26/24 14:25
500-255604-3	G30S	Water	08/26/24 11:26	08/26/24 14:25
500-255604-4	G31S	Water	08/26/24 13:20	08/26/24 14:25
500-255604-5	R08S	Water	08/27/24 09:40	08/27/24 13:25
500-255604-6	G46S	Water	08/27/24 10:44	08/27/24 13:25
500-255604-7	G39S	Water	08/27/24 12:14	08/27/24 13:25
500-255604-8	G48S	Water	08/28/24 10:01	08/28/24 14:55
500-255604-9	G47S	Water	08/28/24 11:22	08/28/24 14:55
500-255604-10	T13S	Water	08/28/24 12:25	08/28/24 14:55
500-255604-11	T12S	Water	08/28/24 13:50	08/28/24 14:55
500-255604-12	G44S	Water	08/29/24 09:56	08/29/24 14:35
500-255604-13	G44S Dup	Water	08/29/24 09:56	08/29/24 14:35
500-255604-14	R32S	Water	08/29/24 12:09	08/29/24 14:35
500-255604-15	G45S	Water	08/29/24 13:16	08/29/24 14:35
500-255604-16	T09S	Water	09/03/24 10:43	09/03/24 15:08
500-255604-17	T06S	Water	09/03/24 11:57	09/03/24 15:08
500-255604-18	T05S	Water	09/03/24 13:32	09/03/24 15:08
500-255604-19	T02S	Water	09/04/24 10:41	09/04/24 14:30
500-255604-20	T08S	Water	09/04/24 12:11	09/04/24 14:30
500-255604-21	T03S	Water	09/04/24 13:22	09/04/24 14:30
500-255604-22	T11S	Water	09/05/24 10:02	09/05/24 13:20
500-255604-23	T01S	Water	09/05/24 11:24	09/05/24 13:20

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G20S

Lab Sample ID: 500-255604-1

Date Collected: 08/23/24 11:33

Matrix: Water

Date Received: 08/23/24 15:45

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	0.997		0.313	0.326	1.00	0.306	pCi/L	08/29/24 08:24	09/24/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					08/29/24 08:24	09/24/24 08:01	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	1.12		0.508	0.518	1.00	0.688	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	76.6		30 - 110					08/29/24 08:29	09/23/24 13:23	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	2.11		0.597	0.612	5.00	0.688	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G33S

Lab Sample ID: 500-255604-2

Date Collected: 08/26/24 09:53

Matrix: Water

Date Received: 08/26/24 14:25

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	0.589		0.236	0.242	1.00	0.249	pCi/L	08/29/24 08:24	09/24/24 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/29/24 08:24	09/24/24 08:01	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	<0.511	U	0.286	0.286	1.00	0.511	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	77.8		30 - 110					08/29/24 08:29	09/23/24 13:23	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	0.706		0.371	0.375	5.00	0.511	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G30S

Lab Sample ID: 500-255604-3

Date Collected: 08/26/24 11:26

Matrix: Water

Date Received: 08/26/24 14:25

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	0.709		0.239	0.247	1.00	0.221	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/29/24 08:24	09/24/24 17:03	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	1.48		0.562	0.578	1.00	0.724	pCi/L	08/29/24 08:29	09/23/24 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		30 - 110					08/29/24 08:29	09/23/24 13:23	1
Y Carrier	77.4		30 - 110					08/29/24 08:29	09/23/24 13:23	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	2.19		0.611	0.629	5.00	0.724	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G31S

Lab Sample ID: 500-255604-4

Date Collected: 08/26/24 13:20

Matrix: Water

Date Received: 08/26/24 14:25

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	1.52		0.337	0.364	1.00	0.234	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		30 - 110					08/29/24 08:24	09/24/24 17:03	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	1.89		0.618	0.642	1.00	0.738	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	72.5		30 - 110					08/29/24 08:29	09/23/24 13:25	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	3.41		0.704	0.738	5.00	0.738	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: R08S

Lab Sample ID: 500-255604-5

Date Collected: 08/27/24 09:40

Matrix: Water

Date Received: 08/27/24 13:25

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	0.634		0.259	0.265	1.00	0.314	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/29/24 08:24	09/24/24 17:03	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	1.02		0.471	0.480	1.00	0.629	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	75.9		30 - 110					08/29/24 08:29	09/23/24 13:25	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	1.65		0.538	0.548	5.00	0.629	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G46S

Lab Sample ID: 500-255604-6

Date Collected: 08/27/24 10:44

Matrix: Water

Date Received: 08/27/24 13:25

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	1.37		0.336	0.358	1.00	0.280	pCi/L	08/29/24 08:24	09/24/24 17:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					08/29/24 08:24	09/24/24 17:03	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	1.78		0.647	0.668	1.00	0.833	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.0		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	75.1		30 - 110					08/29/24 08:29	09/23/24 13:25	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	3.15		0.729	0.758	5.00	0.833	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G39S

Lab Sample ID: 500-255604-7

Date Collected: 08/27/24 12:14

Matrix: Water

Date Received: 08/27/24 13:25

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	0.600		0.218	0.225	1.00	0.213	pCi/L	08/29/24 08:24	09/24/24 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/29/24 08:24	09/24/24 17:05	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	<0.635	U	0.348	0.348	1.00	0.635	pCi/L	08/29/24 08:29	09/23/24 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/29/24 08:29	09/23/24 13:25	1
Y Carrier	79.3		30 - 110					08/29/24 08:29	09/23/24 13:25	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	0.665		0.411	0.414	5.00	0.635	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G48S

Lab Sample ID: 500-255604-8

Date Collected: 08/28/24 10:01

Matrix: Water

Date Received: 08/28/24 14:55

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	0.518		0.271	0.275	1.00	0.332	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					08/30/24 09:06	09/24/24 17:11	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	1.30		0.483	0.498	1.00	0.596	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	79.6		30 - 110					08/30/24 11:46	09/24/24 12:22	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	1.82		0.554	0.569	5.00	0.596	pCi/L		09/27/24 16:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G47S

Lab Sample ID: 500-255604-9

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

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	<0.345	U	0.200	0.200	1.00	0.345	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					08/30/24 09:06	09/24/24 17:11	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	0.993		0.425	0.434	1.00	0.553	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	78.9		30 - 110					08/30/24 11:46	09/24/24 12:22	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	1.12		0.470	0.478	5.00	0.553	pCi/L		09/27/24 16:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T13S

Lab Sample ID: 500-255604-10

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

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	1.01		0.371	0.382	1.00	0.423	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/30/24 09:06	09/24/24 17:11	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	0.742		0.442	0.447	1.00	0.647	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	77.0		30 - 110					08/30/24 11:46	09/24/24 12:22	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	1.75		0.577	0.588	5.00	0.647	pCi/L		09/27/24 16:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T12S

Lab Sample ID: 500-255604-11

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

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	0.796		0.345	0.352	1.00	0.421	pCi/L	08/30/24 09:06	09/24/24 17:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/30/24 09:06	09/24/24 17:11	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		0.495	0.506	1.00	0.674	pCi/L	08/30/24 11:46	09/24/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/30/24 11:46	09/24/24 12:22	1
Y Carrier	77.4		30 - 110					08/30/24 11:46	09/24/24 12:22	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	1.94		0.603	0.616	5.00	0.674	pCi/L		09/27/24 16:45	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G44S

Lab Sample ID: 500-255604-12

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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	0.716		0.255	0.263	1.00	0.266	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					09/03/24 08:35	09/26/24 08:14	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		0.396	0.402	1.00	0.561	pCi/L	09/03/24 08:42	09/25/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					09/03/24 08:42	09/25/24 11:51	1
Y Carrier	82.2		30 - 110					09/03/24 08:42	09/25/24 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	1.48		0.471	0.480	5.00	0.561	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G44S Dup

Lab Sample ID: 500-255604-13

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

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	0.729		0.285	0.292	1.00	0.334	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					09/03/24 08:35	09/26/24 08:14	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	0.539		0.348	0.351	1.00	0.507	pCi/L	09/03/24 08:42	09/25/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					09/03/24 08:42	09/25/24 11:55	1
Y Carrier	79.3		30 - 110					09/03/24 08:42	09/25/24 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	1.27		0.450	0.457	5.00	0.507	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: R32S

Lab Sample ID: 500-255604-14

Date Collected: 08/29/24 12:09

Matrix: Water

Date Received: 08/29/24 14:35

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	1.17		0.345	0.361	1.00	0.346	pCi/L	09/03/24 08:35	09/26/24 08:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/03/24 08:35	09/26/24 08:14	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	1.36		0.455	0.472	1.00	0.531	pCi/L	09/03/24 08:42	09/25/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/03/24 08:42	09/25/24 11:55	1
Y Carrier	78.5		30 - 110					09/03/24 08:42	09/25/24 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	2.52		0.571	0.594	5.00	0.531	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G45S

Lab Sample ID: 500-255604-15

Date Collected: 08/29/24 13:16

Matrix: Water

Date Received: 08/29/24 14:35

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	1.02		0.305	0.319	1.00	0.300	pCi/L	09/03/24 08:35	09/26/24 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					09/03/24 08:35	09/26/24 08:13	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	<0.543	U	0.349	0.351	1.00	0.543	pCi/L	09/03/24 08:42	09/25/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					09/03/24 08:42	09/25/24 11:56	1
Y Carrier	75.9		30 - 110					09/03/24 08:42	09/25/24 11:56	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	1.42		0.463	0.474	5.00	0.543	pCi/L		09/27/24 16:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T09S

Lab Sample ID: 500-255604-16

Date Collected: 09/03/24 10:43

Matrix: Water

Date Received: 09/03/24 15:08

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	1.08		0.282	0.299	1.00	0.225	pCi/L	09/05/24 08:43	09/27/24 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					09/05/24 08:43	09/27/24 14:52	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	1.23		0.471	0.484	1.00	0.606	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	75.9		30 - 110					09/05/24 08:46	09/26/24 11:35	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	2.31		0.549	0.569	5.00	0.606	pCi/L		09/30/24 15:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T06S

Lab Sample ID: 500-255604-17

Date Collected: 09/03/24 11:57

Matrix: Water

Date Received: 09/03/24 15:08

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	1.08		0.271	0.288	1.00	0.180	pCi/L	09/05/24 08:43	09/27/24 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					09/05/24 08:43	09/27/24 14:52	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	0.717		0.394	0.400	1.00	0.555	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	73.6		30 - 110					09/05/24 08:46	09/26/24 11:35	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	1.79		0.478	0.493	5.00	0.555	pCi/L		09/30/24 15:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T05S

Lab Sample ID: 500-255604-18

Date Collected: 09/03/24 13:32

Matrix: Water

Date Received: 09/03/24 15:08

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	<0.442	U	0.295	0.296	1.00	0.442	pCi/L	09/05/24 08:43	09/27/24 18:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					09/05/24 08:43	09/27/24 18:48	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	<1.49	U G	0.922	0.926	1.00	1.49	pCi/L	09/05/24 08:46	09/26/24 11:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.2		30 - 110					09/05/24 08:46	09/26/24 11:35	1
Y Carrier	77.4		30 - 110					09/05/24 08:46	09/26/24 11:35	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	<1.49	U	0.968	0.972	5.00	1.49	pCi/L		09/30/24 15:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T02S

Lab Sample ID: 500-255604-19

Date Collected: 09/04/24 10:41

Matrix: Water

Date Received: 09/04/24 14:30

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	1.08		0.264	0.282	1.00	0.208	pCi/L	09/06/24 08:21	09/30/24 06:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					09/06/24 08:21	09/30/24 06:54	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	1.42		0.645	0.658	1.00	0.878	pCi/L	09/06/24 08:28	09/26/24 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					09/06/24 08:28	09/26/24 13:48	1
Y Carrier	74.0		30 - 110					09/06/24 08:28	09/26/24 13:48	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	2.50		0.697	0.716	5.00	0.878	pCi/L		09/30/24 15:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T08S

Lab Sample ID: 500-255604-20

Date Collected: 09/04/24 12:11

Matrix: Water

Date Received: 09/04/24 14:30

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	0.348		0.149	0.152	1.00	0.164	pCi/L	09/06/24 08:21	09/30/24 06:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					09/06/24 08:21	09/30/24 06:55	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	<0.643	U	0.378	0.379	1.00	0.643	pCi/L	09/06/24 08:28	09/26/24 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					09/06/24 08:28	09/26/24 13:48	1
Y Carrier	77.4		30 - 110					09/06/24 08:28	09/26/24 13:48	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	<0.643	U	0.406	0.408	5.00	0.643	pCi/L		09/30/24 15:44	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T03S

Lab Sample ID: 500-255604-21

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

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	0.555		0.166	0.174	1.00	0.138	pCi/L	09/06/24 08:21	09/30/24 06:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					09/06/24 08:21	09/30/24 06:55	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	<0.587	U	0.389	0.392	1.00	0.587	pCi/L	09/06/24 08:28	09/26/24 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					09/06/24 08:28	09/26/24 13:50	1
Y Carrier	78.5		30 - 110					09/06/24 08:28	09/26/24 13:50	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	1.11		0.423	0.429	5.00	0.587	pCi/L		10/01/24 14:08	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T11S

Lab Sample ID: 500-255604-22

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

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	0.733		0.161	0.174	1.00	0.106	pCi/L	09/09/24 09:30	10/01/24 07:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					09/09/24 09:30	10/01/24 07:37	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	0.972		0.490	0.498	1.00	0.682	pCi/L	09/09/24 09:36	09/20/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					09/09/24 09:36	09/20/24 12:06	1
Y Carrier	73.6		30 - 110					09/09/24 09:36	09/20/24 12:06	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	1.70		0.516	0.528	5.00	0.682	pCi/L		10/01/24 14:08	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T01S

Lab Sample ID: 500-255604-23

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

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	2.01		0.381	0.422	1.00	0.238	pCi/L	09/09/24 09:30	10/01/24 07:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					09/09/24 09:30	10/01/24 07:37	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	<1.17	U G	0.638	0.638	1.00	1.17	pCi/L	09/09/24 09:36	09/20/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					09/09/24 09:36	09/20/24 12:06	1
Y Carrier	76.3		30 - 110					09/09/24 09:36	09/20/24 12:06	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	2.16		0.743	0.765	5.00	1.17	pCi/L		10/01/24 14:08	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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.
α	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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Rad

Prep Batch: 677338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	PrecSep-21	
500-255604-2	G33S	Total/NA	Water	PrecSep-21	
500-255604-3	G30S	Total/NA	Water	PrecSep-21	
500-255604-4	G31S	Total/NA	Water	PrecSep-21	
500-255604-5	R08S	Total/NA	Water	PrecSep-21	
500-255604-6	G46S	Total/NA	Water	PrecSep-21	
500-255604-7	G39S	Total/NA	Water	PrecSep-21	
MB 160-677338/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677338/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 677339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-1	G20S	Total/NA	Water	PrecSep_0	
500-255604-2	G33S	Total/NA	Water	PrecSep_0	
500-255604-3	G30S	Total/NA	Water	PrecSep_0	
500-255604-4	G31S	Total/NA	Water	PrecSep_0	
500-255604-5	R08S	Total/NA	Water	PrecSep_0	
500-255604-6	G46S	Total/NA	Water	PrecSep_0	
500-255604-7	G39S	Total/NA	Water	PrecSep_0	
MB 160-677339/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677339/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 677428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	PrecSep-21	
500-255604-9	G47S	Total/NA	Water	PrecSep-21	
500-255604-10	T13S	Total/NA	Water	PrecSep-21	
500-255604-11	T12S	Total/NA	Water	PrecSep-21	
MB 160-677428/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677428/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 677559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-8	G48S	Total/NA	Water	PrecSep_0	
500-255604-9	G47S	Total/NA	Water	PrecSep_0	
500-255604-10	T13S	Total/NA	Water	PrecSep_0	
500-255604-11	T12S	Total/NA	Water	PrecSep_0	
MB 160-677559/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677559/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 677856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	PrecSep-21	
500-255604-13	G44S Dup	Total/NA	Water	PrecSep-21	
500-255604-14	R32S	Total/NA	Water	PrecSep-21	
500-255604-15	G45S	Total/NA	Water	PrecSep-21	
MB 160-677856/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-677856/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Rad

Prep Batch: 677857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-12	G44S	Total/NA	Water	PrecSep_0	
500-255604-13	G44S Dup	Total/NA	Water	PrecSep_0	
500-255604-14	R32S	Total/NA	Water	PrecSep_0	
500-255604-15	G45S	Total/NA	Water	PrecSep_0	
MB 160-677857/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-677857/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 678273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total/NA	Water	PrecSep-21	
500-255604-17	T06S	Total/NA	Water	PrecSep-21	
500-255604-18	T05S	Total/NA	Water	PrecSep-21	
MB 160-678273/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678273/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 678274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-16	T09S	Total/NA	Water	PrecSep_0	
500-255604-17	T06S	Total/NA	Water	PrecSep_0	
500-255604-18	T05S	Total/NA	Water	PrecSep_0	
MB 160-678274/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678274/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 678479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	PrecSep-21	
500-255604-20	T08S	Total/NA	Water	PrecSep-21	
500-255604-21	T03S	Total/NA	Water	PrecSep-21	
MB 160-678479/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678479/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 678480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-19	T02S	Total/NA	Water	PrecSep_0	
500-255604-20	T08S	Total/NA	Water	PrecSep_0	
500-255604-21	T03S	Total/NA	Water	PrecSep_0	
MB 160-678480/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678480/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 678651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	PrecSep-21	
500-255604-23	T01S	Total/NA	Water	PrecSep-21	
MB 160-678651/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-678651/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-255604-22 DU	T11S	Total/NA	Water	PrecSep-21	

Prep Batch: 678692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-255604-22	T11S	Total/NA	Water	PrecSep_0	
500-255604-23	T01S	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Rad (Continued)

Prep Batch: 678692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 160-678692/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-678692/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-255604-22 DU	T11S	Total/NA	Water	PrecSep_0	

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

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-677338/1-A

Matrix: Water

Analysis Batch: 680591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 677338

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.332	U	0.131	0.131	1.00	0.332	pCi/L	08/29/24 08:24	09/23/24 22:27	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/29/24 08:24	09/23/24 22:27	1

Lab Sample ID: LCS 160-677338/2-A

Matrix: Water

Analysis Batch: 680591

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 677338

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.176		1.09	1.00	0.292	pCi/L	85	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	96.8		30 - 110							

Lab Sample ID: MB 160-677428/1-A

Matrix: Water

Analysis Batch: 680653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 677428

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.243	U	0.136	0.136	1.00	0.243	pCi/L	08/30/24 09:06	09/24/24 17:07	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					08/30/24 09:06	09/24/24 17:07	1

Lab Sample ID: LCS 160-677428/2-A

Matrix: Water

Analysis Batch: 680653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 677428

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.977		1.34	1.00	0.348	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	86.0		30 - 110							

Lab Sample ID: MB 160-677856/1-A

Matrix: Water

Analysis Batch: 681031

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 677856

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.3316		0.195	0.197	1.00	0.241	pCi/L	09/03/24 08:35	09/26/24 08:13	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Lab Sample ID: MB 160-677856/1-A
Matrix: Water
Analysis Batch: 681031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677856

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	82.3		30 - 110

Prepared	Analyzed	Dil Fac
09/03/24 08:35	09/26/24 08:13	1

Lab Sample ID: LCS 160-677856/2-A
Matrix: Water
Analysis Batch: 681031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677856

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.137		1.25	1.00	0.409	pCi/L	95	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	72.9		30 - 110

Lab Sample ID: MB 160-678273/1-A
Matrix: Water
Analysis Batch: 681292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678273

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.255	U	0.131	0.131	1.00	0.255	pCi/L	09/05/24 08:43	09/27/24 14:51	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.1		30 - 110

Prepared	Analyzed	Dil Fac
09/05/24 08:43	09/27/24 14:51	1

Lab Sample ID: LCS 160-678273/2-A
Matrix: Water
Analysis Batch: 681292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678273

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.383		1.15	1.00	0.217	pCi/L	98	75 - 125

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

Lab Sample ID: MB 160-678479/1-A
Matrix: Water
Analysis Batch: 681511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678479

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.132	U	0.0546	0.0546	1.00	0.132	pCi/L	09/06/24 08:21	09/30/24 06:53	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.5		30 - 110

Prepared	Analyzed	Dil Fac
09/06/24 08:21	09/30/24 06:53	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Lab Sample ID: LCS 160-678479/2-A
Matrix: Water
Analysis Batch: 681511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678479

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.880		1.10	1.00	0.201	pCi/L	103	75 - 125
Carrier	%Yield	LCS Qualifier	LCS Limits							
Ba Carrier	90.4		30 - 110							

Lab Sample ID: MB 160-678651/1-A
Matrix: Water
Analysis Batch: 681677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678651

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.123	U	0.0641	0.0641	1.00	0.123	pCi/L	09/09/24 09:30	10/01/24 07:36	1
Carrier	%Yield	MB Qualifier	Limits							
Ba Carrier	87.2		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/09/24 09:30	10/01/24 07:36	1

Lab Sample ID: LCS 160-678651/2-A
Matrix: Water
Analysis Batch: 681677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678651

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.465		0.903	1.00	0.108	pCi/L	88	75 - 125
Carrier	%Yield	LCS Qualifier	LCS Limits							
Ba Carrier	99.5		30 - 110							

Lab Sample ID: 500-255604-22 DU
Matrix: Water
Analysis Batch: 681677

Client Sample ID: T11S
Prep Type: Total/NA
Prep Batch: 678651

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.733		0.4265		0.126	1.00	0.0920	pCi/L	1.02	1
Carrier	%Yield	DU Qualifier	Limits							
Ba Carrier	89.2		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-677339/1-A
Matrix: Water
Analysis Batch: 680628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677339

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.602	U	0.344	0.344	1.00	0.602	pCi/L	08/29/24 08:29	09/23/24 13:21	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110	08/29/24 08:29	09/23/24 13:21	1
Y Carrier	80.7		30 - 110	08/29/24 08:29	09/23/24 13:21	1

Lab Sample ID: LCS 160-677339/2-A
Matrix: Water
Analysis Batch: 680628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677339

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.49	8.590		1.25	1.00	0.645	pCi/L	101	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: MB 160-677559/1-A
Matrix: Water
Analysis Batch: 680776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677559

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.513	U	0.308	0.309	1.00	0.513	pCi/L	08/30/24 11:46	09/24/24 12:33	1

Carrier	MB %Yield	MB Qualifier	Limits
Ba Carrier	98.5		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: LCS 160-677559/2-A
Matrix: Water
Analysis Batch: 680776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677559

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.49	8.581		1.27	1.00	0.588	pCi/L	101	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.0		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-677857/1-A
Matrix: Water
Analysis Batch: 680956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 677857

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.580	U	0.353	0.354	1.00	0.580	pCi/L	09/03/24 08:42	09/25/24 11:50	1

Carrier	MB %Yield	MB Qualifier	Limits
Ba Carrier	82.3		30 - 110
Y Carrier	84.1		30 - 110

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Lab Sample ID: LCS 160-677857/2-A
Matrix: Water
Analysis Batch: 680956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 677857

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.48	8.555		1.33	1.00	0.740	pCi/L	101	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	72.9		30 - 110							
Y Carrier	79.6		30 - 110							

Lab Sample ID: MB 160-678274/1-A
Matrix: Water
Analysis Batch: 681031

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678274

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.569	U	0.285	0.285	1.00	0.569	pCi/L	09/05/24 08:46	09/26/24 11:34	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.1		30 - 110							
Y Carrier	81.9		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/05/24 08:46	09/26/24 11:34	1
								09/05/24 08:46	09/26/24 11:34	1

Lab Sample ID: LCS 160-678274/2-A
Matrix: Water
Analysis Batch: 681031

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678274

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.48	10.00		1.36	1.00	0.558	pCi/L	118	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	91.1		30 - 110							
Y Carrier	80.4		30 - 110							

Lab Sample ID: MB 160-678480/1-A
Matrix: Water
Analysis Batch: 681021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678480

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.547	U	0.314	0.314	1.00	0.547	pCi/L	09/06/24 08:28	09/26/24 13:48	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.5		30 - 110							
Y Carrier	75.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/06/24 08:28	09/26/24 13:48	1
								09/06/24 08:28	09/26/24 13:48	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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

Lab Sample ID: LCS 160-678480/2-A
Matrix: Water
Analysis Batch: 681021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678480

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.48	9.978		1.37	1.00	0.600	pCi/L	118	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.4		30 - 110							
Y Carrier	78.1		30 - 110							

Lab Sample ID: MB 160-678692/1-A
Matrix: Water
Analysis Batch: 680331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 678692

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.598	U	0.320	0.320	1.00	0.598	pCi/L	09/09/24 09:36	09/20/24 12:05	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.2		30 - 110							
Y Carrier	83.4		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/09/24 09:36	09/20/24 12:05	1
								09/09/24 09:36	09/20/24 12:05	1

Lab Sample ID: LCS 160-678692/2-A
Matrix: Water
Analysis Batch: 680331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 678692

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.50	7.989		1.13	1.00	0.487	pCi/L	94	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	99.5		30 - 110							
Y Carrier	83.7		30 - 110							

Lab Sample ID: 500-255604-22 DU
Matrix: Water
Analysis Batch: 680331

Client Sample ID: T11S
Prep Type: Total/NA
Prep Batch: 678692

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.972		<0.581	U	0.380	1.00	0.581	pCi/L	0.57	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	89.2		30 - 110							
Y Carrier	73.6		30 - 110							

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2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No. 500-127868-50642 1							
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin		Page Page 1 of 3							
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-255604</i>					
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPD - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E						Preservation Codes. D HNO3 N None					
City Joliet		TAT Requested (days)								500-255604 COC					
State Zip IL, 60436		Compliance Project. ☐ Yes ☐ No													
Phone		PO # 4502153835								500-255604 COC					
Email james.thorne@nrg.com		WO #								Other:					
Project Name Joliet #9 CCR		Project # 50011504													
Site Illinois		SSOW#													
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, ST=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Preservation Code		Special Instructions/Note:	
<i>R086 G205</i>		<i>08/23/24</i>		<i>1133</i>				Water		☒		☒ D ☒ D ☒ D ☒ D ☒ N			
<i>R205</i>								Water		☐		☐			
<i>R326</i>								Water		☐		☐			
<i>G446</i>								Water		☐		☐			
<i>G455</i>								Water		☐		☐			
<i>G465</i>								Water		☐		☐			
<i>G476</i>								Water		☐		☐			
<i>G483</i>								Water		☐		☐			
<i>T038</i>								Water		☐		☐			
<i>G005</i>								Water		☐		☐			
<i>BUP</i>								Water		☐		☐			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements					
Empty Kit Relinquished by				Date		Time		Method of Shipment:							
Relinquished by <i>CD</i>				Date/Time <i>08/23/24 1545</i>		Company <i>EETA</i>		Received by <i>Stephanie Hemondy</i>				Date/Time <i>08/23/24 1545</i>		Company <i>EETA</i>	
Relinquished by				Date/Time		Company		Received by				Date/Time		Company	
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. <i>3.9 → 3.8</i> <i>489t</i>											

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University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L. Jose</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 2																			
Client Contact James Thorne		Phone		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin		Page Page 2 of 3																			
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-255604</i>																	
Address 1800 Channahon Road		Due Date Requested								Preservation Codes. D HNO3 N None																	
City Joliet		TAT Requested (days)																									
State Zip IL, 60436		Compliance Project. ☐ Yes ☐ No																									
Phone 500-255604 COC		PO # 4502153835																									
Email james.thorne@nrg.com		WO #		Field Filtered Sample (Yes or No) Particulate (PM10, PM2.5) (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFP - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E						Other:																	
Project Name Joliet #9 CCR		Project # 50011504																									
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)		Field Filtered Sample (Yes or No)		Particulate (PM10, PM2.5) (Yes or No)		903.0 - Standard Target List		Ra226Ra228_GFP - Local Method		904.0 - Standard Target List		6020A, 7470A		2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E		Total Number of Containers		Special Instructions/Note:	
<i>G318</i>		<i>R085</i>		<i>08/27/24</i>		<i>0940</i>		Water																			
<i>G335</i>		<i>G465</i>		<i>08/27/24</i>		<i>1044</i>		Water																			
<i>G395</i>		<i>G395</i>		<i>08/27/24</i>		<i>1214</i>		Water																			
<i>T025</i>								Water																			
<i>T048</i>								Water																			
<i>T055</i>								Water																			
<i>T065</i>								Water																			
<i>T085</i>								Water																			
<i>T095</i>								Water																			
<i>T125</i>								Water																			
<i>T135</i>								Water																			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																	
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements																	
Empty Kit Relinquished by				Date				Time				Method of Shipment.															
Relinquished by <i>[Signature]</i>				Date/Time <i>08/27/24 1325</i>				Company <i>ERT</i>				Received by <i>[Signature]</i>				Date/Time <i>8/27/24 1325</i>				Company <i>ERT</i>							
Relinquished by				Date/Time				Company				Received by				Date/Time				Company							
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 <i>2.1-2.0</i>																			

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2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L.</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-127868-50642 1					
Client Contact: James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin.		Page Page 1 of 3					
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-255604</i>			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFP_C - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SC4_E Total Number of containers						Preservation Codes. D HNO3 N None			
City: Joliet		TAT Requested (days)								Other:			
State Zip: IL, 60436		Compliance Project ☐ Yes ☐ No											
Phone 500-255604 COC		PO # 4502153835											
Email james.thorne@nrg.com		WO #											
Project Name Joliet #9 CCR		Project # 50011504											
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)		Preservation Code:		Special Instructions/Note:	
<i>12</i> R085 <i>G44S</i>		<i>08/29/24</i>		<i>0956</i>				Water					
<i>13</i> G208 <i>DUP of G44S</i>		<i>08/29/24</i>		<i>0956</i>				Water					
<i>14</i> R325 <i>R32S</i>		<i>08/29/24</i>		<i>1209</i>				Water					
<i>15</i> G44S <i>G45S</i>		<i>08/29/24</i>		<i>1316</i>				Water					
G45S								Water					
G46S								Water					
G47S								Water					
G48S								Water					
T03S								Water					
G30S								Water					
DUP								Water					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements			
Empty Kit Relinquished by				Date		Time		Method of Shipment:					
Relinquished by: <i>[Signature]</i>				Date/Time <i>08/29/24 1435</i>		Company <i>EETA</i>		Received by: <i>[Signature]</i>		Date/Time <i>8/29/24 1435</i>		Company <i>EETA</i>	
Relinquished by:				Date/Time		Company		Received by:		Date/Time		Company	
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 <i>39 → 38</i>									

Environment

Ver: 05/06/2024 10/1/2024

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America

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17	
18	

$$\begin{array}{r} 3.8 - 3.7 \\ \hline 48 \text{ qt} \end{array}$$

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ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΑΠΟΚΛΕΙΟΝΤΕΣ



500-255604 COC

10/1/2024
4091,



Client Information (Sub Contract Lab)				Sampler: Lab PM Mockler, Diana J		Carrier Tracking No(s): 500-192024, 1	
Client Contact Shipping/Receiving				E-Mail: Diana Mockler@et.eurofins.com		State of Origin: Illinois	
Company TestAmerica Laboratories, Inc.				Accreditations Required (See note) NELAP - Illinois		Job # 500-255604-1	
Address 13715 Rider Trail North, City Earth City State, Zip MO 63045 Phone 314-298-8566(Tel) 314-298-8757(Fax) Email				Due Date Requested: 9/16/2024		Preservation Codes: 500-255604-1	
Project Name Joliet #9 (Quarry) CCR				TAT Requested (days):		Analysis Requested	
Site NRG Midwest Generation LSQ Joliet #9 CCR				PO #		Total Number of containers	
Project # 50011504				WO #		Other:	
SOW#				Matrix (Water, Solid, Overstabilized, etc.)		Special Instructions/Note:	
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24		12:14 Central	
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontractor 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				Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
R08S (500-255604-5)				8/27/24		09:40 Central	
G46S (500-255604-6)				8/27/24		10:44 Central	
G39S (500-255604-7)				8/27/24			

Environment Testing

Ver: 05/06/2024



Chain of Custody Record

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax:

[illegible]



Chain of Custody Record

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211

[illegible]



Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

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	3.8,3.8,2.0,2.8,3.8,3.7,4.1,5.7
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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 08/27/24 01:02 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 08/28/24 12:54 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 08/29/24 01:09 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 5

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 08/30/24 01:01 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 6

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/04/24 11:45 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 7

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/05/24 11:42 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-255604-2

Login Number: 255604

List Number: 8

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/06/24 10:44 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	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G20S

Date Collected: 08/23/24 11:33

Date Received: 08/23/24 15:45

Lab Sample ID: 500-255604-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680777	SWS	EET SL	09/24/24 08:01
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G33S

Date Collected: 08/26/24 09:53

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680777	SWS	EET SL	09/24/24 08:01
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G30S

Date Collected: 08/26/24 11:26

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680630	SCB	EET SL	09/23/24 13:23
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G31S

Date Collected: 08/26/24 13:20

Date Received: 08/26/24 14:25

Lab Sample ID: 500-255604-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: R08S

Date Collected: 08/27/24 09:40

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G46S

Date Collected: 08/27/24 10:44

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:03
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G39S

Date Collected: 08/27/24 12:14

Date Received: 08/27/24 13:25

Lab Sample ID: 500-255604-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677338	MLT	EET SL	08/29/24 08:24
Total/NA	Analysis	903.0		1	680653	SWS	EET SL	09/24/24 17:05
Total/NA	Prep	PrecSep_0			677339	MLT	EET SL	08/29/24 08:29
Total/NA	Analysis	904.0		1	680591	SCB	EET SL	09/23/24 13:25
Total/NA	Analysis	Ra226_Ra228		1	681359	SCB	EET SL	09/27/24 16:44

Client Sample ID: G48S

Date Collected: 08/28/24 10:01

Date Received: 08/28/24 14:55

Lab Sample ID: 500-255604-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G47S

Lab Sample ID: 500-255604-9

Date Collected: 08/28/24 11:22

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

Client Sample ID: T13S

Lab Sample ID: 500-255604-10

Date Collected: 08/28/24 12:25

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

Client Sample ID: T12S

Lab Sample ID: 500-255604-11

Date Collected: 08/28/24 13:50

Matrix: Water

Date Received: 08/28/24 14:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677428	MLT	EET SL	08/30/24 09:06
Total/NA	Analysis	903.0		1	680774	SWS	EET SL	09/24/24 17:11
Total/NA	Prep	PrecSep_0			677559	MLT	EET SL	08/30/24 11:46
Total/NA	Analysis	904.0		1	680653	SWS	EET SL	09/24/24 12:22
Total/NA	Analysis	Ra226_Ra228		1	681360	SCB	EET SL	09/27/24 16:45

Client Sample ID: G44S

Lab Sample ID: 500-255604-12

Date Collected: 08/29/24 09:56

Matrix: Water

Date Received: 08/29/24 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680956	FLC	EET SL	09/25/24 11:51
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: G44S Dup

Date Collected: 08/29/24 09:56

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

Client Sample ID: R32S

Date Collected: 08/29/24 12:09

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681031	FLC	EET SL	09/26/24 08:14
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

Client Sample ID: G45S

Date Collected: 08/29/24 13:16

Date Received: 08/29/24 14:35

Lab Sample ID: 500-255604-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			677856	BCE	EET SL	09/03/24 08:35
Total/NA	Analysis	903.0		1	681033	FLC	EET SL	09/26/24 08:13
Total/NA	Prep	PrecSep_0			677857	BCE	EET SL	09/03/24 08:42
Total/NA	Analysis	904.0		1	680955	SWS	EET SL	09/25/24 11:56
Total/NA	Analysis	Ra226_Ra228		1	681358	SCB	EET SL	09/27/24 16:44

Client Sample ID: T09S

Date Collected: 09/03/24 10:43

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 14:52
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T06S

Date Collected: 09/03/24 11:57

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 14:52
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

Client Sample ID: T05S

Date Collected: 09/03/24 13:32

Date Received: 09/03/24 15:08

Lab Sample ID: 500-255604-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678273	MLT	EET SL	09/05/24 08:43
Total/NA	Analysis	903.0		1	681284	FLC	EET SL	09/27/24 18:48
Total/NA	Prep	PrecSep_0			678274	MLT	EET SL	09/05/24 08:46
Total/NA	Analysis	904.0		1	681031	FLC	EET SL	09/26/24 11:35
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

Client Sample ID: T02S

Date Collected: 09/04/24 10:41

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:54
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:48
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

Client Sample ID: T08S

Date Collected: 09/04/24 12:11

Date Received: 09/04/24 14:30

Lab Sample ID: 500-255604-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:55
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:48
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	09/30/24 15:44

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Client Sample ID: T03S

Lab Sample ID: 500-255604-21

Date Collected: 09/04/24 13:22

Matrix: Water

Date Received: 09/04/24 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678479	BCE	EET SL	09/06/24 08:21
Total/NA	Analysis	903.0		1	681511	SCB	EET SL	09/30/24 06:55
Total/NA	Prep	PrecSep_0			678480	BCE	EET SL	09/06/24 08:28
Total/NA	Analysis	904.0		1	681021	FLC	EET SL	09/26/24 13:50
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

Client Sample ID: T11S

Lab Sample ID: 500-255604-22

Date Collected: 09/05/24 10:02

Matrix: Water

Date Received: 09/05/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678651	BCE	EET SL	09/09/24 09:30
Total/NA	Analysis	903.0		1	681677	SWS	EET SL	10/01/24 07:37
Total/NA	Prep	PrecSep_0			678692	BCE	EET SL	09/09/24 09:36
Total/NA	Analysis	904.0		1	680331	FLC	EET SL	09/20/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

Client Sample ID: T01S

Lab Sample ID: 500-255604-23

Date Collected: 09/05/24 11:24

Matrix: Water

Date Received: 09/05/24 13:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			678651	BCE	EET SL	09/09/24 09:30
Total/NA	Analysis	903.0		1	681677	SWS	EET SL	10/01/24 07:37
Total/NA	Prep	PrecSep_0			678692	BCE	EET SL	09/09/24 09:36
Total/NA	Analysis	904.0		1	680331	FLC	EET SL	09/20/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	681584	FLC	EET SL	10/01/24 14:08

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: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	12-31-24
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24 *
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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)	
500-255604-1	G20S	85.2	
500-255604-2	G33S	92.1	
500-255604-3	G30S	87.7	
500-255604-4	G31S	84.7	
500-255604-5	R08S	89.7	
500-255604-6	G46S	82.0	
500-255604-7	G39S	89.9	
500-255604-8	G48S	87.4	
500-255604-9	G47S	95.8	
500-255604-10	T13S	92.1	
500-255604-11	T12S	95.6	
500-255604-12	G44S	98.0	
500-255604-13	G44S Dup	91.4	
500-255604-14	R32S	90.6	
500-255604-15	G45S	88.9	
500-255604-16	T09S	92.4	
500-255604-17	T06S	95.3	
500-255604-18	T05S	85.2	
500-255604-19	T02S	89.4	
500-255604-20	T08S	78.6	
500-255604-21	T03S	90.4	
500-255604-22	T11S	81.3	
500-255604-22 DU	T11S	89.2	
500-255604-23	T01S	79.6	
LCS 160-677338/2-A	Lab Control Sample	96.8	
LCS 160-677428/2-A	Lab Control Sample	86.0	
LCS 160-677856/2-A	Lab Control Sample	72.9	
LCS 160-678273/2-A	Lab Control Sample	91.1	
LCS 160-678479/2-A	Lab Control Sample	90.4	
LCS 160-678651/2-A	Lab Control Sample	99.5	
MB 160-677338/1-A	Method Blank	91.4	
MB 160-677428/1-A	Method Blank	98.5	
MB 160-677856/1-A	Method Blank	82.3	
MB 160-678273/1-A	Method Blank	93.1	
MB 160-678479/1-A	Method Blank	97.5	
MB 160-678651/1-A	Method Blank	87.2	

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 (30-110)	Y (30-110)
500-255604-1	G20S	85.2	76.6
500-255604-2	G33S	92.1	77.8
500-255604-3	G30S	87.7	77.4
500-255604-4	G31S	84.7	72.5

Eurofins Chicago

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 3Q24

Job ID: 500-255604-2

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)
500-255604-5	R08S	89.7	75.9
500-255604-6	G46S	82.0	75.1
500-255604-7	G39S	89.9	79.3
500-255604-8	G48S	87.4	79.6
500-255604-9	G47S	95.8	78.9
500-255604-10	T13S	92.1	77.0
500-255604-11	T12S	95.6	77.4
500-255604-12	G44S	98.0	82.2
500-255604-13	G44S Dup	91.4	79.3
500-255604-14	R32S	90.6	78.5
500-255604-15	G45S	88.9	75.9
500-255604-16	T09S	92.4	75.9
500-255604-17	T06S	95.3	73.6
500-255604-18	T05S	85.2	77.4
500-255604-19	T02S	89.4	74.0
500-255604-20	T08S	78.6	77.4
500-255604-21	T03S	90.4	78.5
500-255604-22	T11S	81.3	73.6
500-255604-22 DU	T11S	89.2	73.6
500-255604-23	T01S	79.6	76.3
LCS 160-677339/2-A	Lab Control Sample	96.8	80.0
LCS 160-677559/2-A	Lab Control Sample	86.0	80.4
LCS 160-677857/2-A	Lab Control Sample	72.9	79.6
LCS 160-678274/2-A	Lab Control Sample	91.1	80.4
LCS 160-678480/2-A	Lab Control Sample	90.4	78.1
LCS 160-678692/2-A	Lab Control Sample	99.5	83.7
MB 160-677339/1-A	Method Blank	91.4	80.7
MB 160-677559/1-A	Method Blank	98.5	78.1
MB 160-677857/1-A	Method Blank	82.3	84.1
MB 160-678274/1-A	Method Blank	93.1	81.9
MB 160-678480/1-A	Method Blank	97.5	75.5
MB 160-678692/1-A	Method Blank	87.2	83.4

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/13/2024 2:44:51 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR 4Q24

JOB NUMBER

500-260496-1

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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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Job ID: 500-260496-1

Eurofins Chicago

Job Narrative 500-260496-1

Receipt

The samples were received on 11/20/2024 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.4° C, 2.1° C, 2.3° C, 2.7° C, 3.0° C, 3.3° C, 3.3° C and 3.8° C.

Metals

Methods 200.8, 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: R08S (500-260496-2), G47S (500-260496-5), G48S (500-260496-6), G46S (500-260496-9) and T12S (500-260496-10). Elevated reporting limits (RLs) are provided.

Method 6020B: The following samples were diluted to bring the concentration of target analytes within the calibration range: R32S (500-260496-14), T08S (500-260496-16), T01S (500-260496-21) and T05S (500-260496-23). 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 analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Eurofins Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 F C	Fluoride	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, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-260496-1	G20S	GW	11/20/24 10:31	11/20/24 14:44
500-260496-2	R08S	GW	11/20/24 13:23	11/20/24 14:44
500-260496-3	G31S	Water	11/21/24 10:11	11/21/24 13:05
500-260496-4	G33S	Water	11/21/24 11:31	11/21/24 13:05
500-260496-5	G47S	Water	11/22/24 11:08	11/22/24 15:12
500-260496-6	G48S	Water	11/22/24 12:20	11/22/24 15:12
500-260496-7	T13S	Water	11/22/24 14:00	11/22/24 15:12
500-260496-8	G30S	GW	11/25/24 10:28	11/25/24 15:06
500-260496-9	G46S	GW	11/25/24 13:04	11/25/24 15:06
500-260496-10	T12S	Water	11/25/24 13:58	11/25/24 15:06
500-260496-11	G39S	Water	11/26/24 10:28	11/26/24 15:10
500-260496-12	G44S	Water	11/26/24 11:20	11/26/24 15:10
500-260496-13	G45S	Water	11/26/24 12:56	11/26/24 15:10
500-260496-14	R32S	Water	11/26/24 13:54	11/26/24 15:10
500-260496-15	T02S	Water	11/27/24 10:14	11/27/24 15:47
500-260496-16	T08S	Water	11/27/24 12:34	11/27/24 15:47
500-260496-17	T03S	Water	11/27/24 14:14	11/27/24 15:47
500-260496-18	T03S DUP	Water	11/27/24 14:14	11/27/24 15:47
500-260496-19	T09S	Water	12/03/24 11:43	12/03/24 15:10
500-260496-20	T06S	Water	12/03/24 13:28	12/03/24 15:10
500-260496-21	T01S	Water	12/04/24 10:26	12/04/24 15:55
500-260496-22	T11S	Water	12/04/24 12:35	12/04/24 15:55
500-260496-23	T05S	Water	12/04/24 14:12	12/04/24 15:55

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G20S

Lab Sample ID: 500-260496-1

Date Collected: 11/20/24 10:31

Matrix: GW

Date Received: 11/20/24 14:44

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		12/05/24 22:15	12/09/24 13:39	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:56	1
Barium	0.045		0.0025		mg/L		12/05/24 22:15	12/06/24 19:56	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:56	1
Boron	1.1		0.050		mg/L		12/05/24 22:15	12/09/24 13:39	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:56	1
Calcium	58		0.20		mg/L		12/05/24 22:15	12/06/24 19:56	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:56	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:56	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:56	1
Lithium	0.039		0.010		mg/L		12/05/24 22:15	12/06/24 19:56	1
Molybdenum	0.017		0.0050		mg/L		12/05/24 22:15	12/06/24 19:56	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:56	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	14		10		mg/L			12/11/24 15:58	10
Sulfate (EPA 300.0)	59		10		mg/L			12/11/24 15:58	10
Total Dissolved Solids (SM 2540C)	430		10		mg/L			11/26/24 03:24	1
Fluoride (SM 4500 F C)	0.77		0.10		mg/L			12/03/24 15:53	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	57.84				ft			11/20/24 10:31	1
Depth to Water (ft from MP)	60.62				ft			11/20/24 10:31	1
Elevation of well (ft from MP)	580.79				ft			11/20/24 10:31	1
Field pH	7.51				SU			11/20/24 10:31	1
Field Temperature	59.5				Degrees F			11/20/24 10:31	1
Ground Water Elevation	520.17				ft			11/20/24 10:31	1
Specific Conductance	710				umhos/cm			11/20/24 10:31	1
Well bottom elevation	442.28				ft			11/20/24 10:31	1
Field Turbidity	0.77				NTU			11/20/24 10:31	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: R08S

Lab Sample ID: 500-260496-2

Date Collected: 11/20/24 13:23

Matrix: GW

Date Received: 11/20/24 14:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		12/05/24 22:15	12/09/24 13:42	5
Arsenic	0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:03	1
Barium	0.039		0.0025		mg/L		12/05/24 22:15	12/06/24 20:03	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:03	1
Boron	8.0		0.25		mg/L		12/05/24 22:15	12/09/24 13:42	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:03	1
Calcium	140		0.20		mg/L		12/05/24 22:15	12/06/24 20:03	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:03	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:03	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:03	1
Lithium	0.15		0.010		mg/L		12/05/24 22:15	12/06/24 20:03	1
Molybdenum	0.33		0.0050		mg/L		12/05/24 22:15	12/06/24 20:03	1
Selenium	0.0049		0.0025		mg/L		12/05/24 22:15	12/06/24 20:03	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	67		20		mg/L			12/11/24 16:14	20
Sulfate (EPA 300.0)	380		20		mg/L			12/11/24 16:14	20
Total Dissolved Solids (SM 2540C)	800		10		mg/L			11/26/24 03:31	1
Fluoride (SM 4500 F C)	0.11		0.10		mg/L			12/03/24 15:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	70.75				ft			11/20/24 13:23	1
Depth to Water (ft from MP)	73.30				ft			11/20/24 13:23	1
Elevation of well (ft from MP)	578.64				ft			11/20/24 13:23	1
Field pH	7.86				SU			11/20/24 13:23	1
Field Temperature	54.5				Degrees F			11/20/24 13:23	1
Ground Water Elevation	505.34				ft			11/20/24 13:23	1
Specific Conductance	1070				umhos/cm			11/20/24 13:23	1
Well bottom elevation	453.08				ft			11/20/24 13:23	1
Field Turbidity	0.41				NTU			11/20/24 13:23	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G31S

Lab Sample ID: 500-260496-3

Date Collected: 11/21/24 10:11

Matrix: Water

Date Received: 11/21/24 13:05

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		12/05/24 22:15	12/09/24 13:44	1
Arsenic	0.0025		0.0010		mg/L		12/05/24 22:15	12/06/24 20:06	1
Barium	0.040		0.0025		mg/L		12/05/24 22:15	12/06/24 20:06	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:06	1
Boron	3.1		0.050		mg/L		12/05/24 22:15	12/09/24 13:44	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:06	1
Calcium	150		0.20		mg/L		12/05/24 22:15	12/06/24 20:06	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:06	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:06	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:06	1
Lithium	0.084		0.010		mg/L		12/05/24 22:15	12/06/24 20:06	1
Molybdenum	0.50		0.0050		mg/L		12/05/24 22:15	12/06/24 20:06	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:06	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	180		20		mg/L			12/11/24 16:30	20
Sulfate (EPA 300.0)	360		20		mg/L			12/11/24 16:30	20
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			11/26/24 03:37	1
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			12/03/24 16:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	28.17				ft			11/21/24 10:11	1
Depth to Water (ft from MP)	30.75				ft			11/21/24 10:11	1
Elevation of well (ft from MP)	535.67				ft			11/21/24 10:11	1
Field pH	7.24				SU			11/21/24 10:11	1
Field Temperature	54.3				Degrees F			11/21/24 10:11	1
Ground Water Elevation	504.92				ft			11/21/24 10:11	1
Specific Conductance	1740				umhos/cm			11/21/24 10:11	1
Well bottom elevation	453.36				ft			11/21/24 10:11	1
Field Turbidity	0.62				NTU			11/21/24 10:11	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G33S

Lab Sample ID: 500-260496-4

Date Collected: 11/21/24 11:31

Matrix: Water

Date Received: 11/21/24 13:05

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		12/05/24 22:15	12/09/24 13:47	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:08	1
Barium	0.048		0.0025		mg/L		12/05/24 22:15	12/06/24 20:08	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:08	1
Boron	0.81		0.050		mg/L		12/05/24 22:15	12/09/24 13:47	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:08	1
Calcium	57		0.20		mg/L		12/05/24 22:15	12/06/24 20:08	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:08	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:08	1
Lead	0.0015		0.00050		mg/L		12/05/24 22:15	12/06/24 20:08	1
Lithium	0.034		0.010		mg/L		12/05/24 22:15	12/06/24 20:08	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:08	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:08	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		5.0		mg/L			12/11/24 16:45	5
Sulfate (EPA 300.0)	72		5.0		mg/L			12/11/24 16:45	5
Total Dissolved Solids (SM 2540C)	390		10		mg/L			11/26/24 03:39	1
Fluoride (SM 4500 F C)	0.54		0.10		mg/L			12/03/24 16:09	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	32.98				ft			11/21/24 11:31	1
Depth to Water (ft from MP)	34.71				ft			11/21/24 11:31	1
Elevation of well (ft from MP)	535.67				ft			11/21/24 11:31	1
Field pH	7.50				SU			11/21/24 11:31	1
Field Temperature	51.4				Degrees F			11/21/24 11:31	1
Ground Water Elevation	500.96				ft			11/21/24 11:31	1
Specific Conductance	737				umhos/cm			11/21/24 11:31	1
Well bottom elevation	452.72				ft			11/21/24 11:31	1
Field Turbidity	83.90				NTU			11/21/24 11:31	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G47S

Lab Sample ID: 500-260496-5

Date Collected: 11/22/24 11:08

Matrix: Water

Date Received: 11/22/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		12/05/24 22:15	12/09/24 13:49	5
Arsenic	0.026		0.0010		mg/L		12/05/24 22:15	12/06/24 20:11	1
Barium	0.013		0.0025		mg/L		12/05/24 22:15	12/06/24 20:11	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:11	1
Boron	5.6		0.25		mg/L		12/05/24 22:15	12/09/24 13:49	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:11	1
Calcium	12		0.20		mg/L		12/05/24 22:15	12/06/24 20:11	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:11	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:11	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:11	1
Lithium	0.058		0.010		mg/L		12/05/24 22:15	12/06/24 20:11	1
Molybdenum	0.48		0.0050		mg/L		12/05/24 22:15	12/06/24 20:11	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:11	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	83		20		mg/L			12/11/24 17:01	20
Sulfate (EPA 300.0)	430		20		mg/L			12/11/24 17:01	20
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/26/24 03:42	1
Fluoride (SM 4500 F C)	0.54		0.10		mg/L			12/03/24 16:14	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	92.49				ft			11/22/24 11:08	1
Depth to Water (ft from MP)	94.99				ft			11/22/24 11:08	1
Elevation of well (ft from MP)	612.16				ft			11/22/24 11:08	1
Field pH	8.44				SU			11/22/24 11:08	1
Field Temperature	52.5				Degrees F			11/22/24 11:08	1
Ground Water Elevation	517.17				ft			11/22/24 11:08	1
Specific Conductance	1600				umhos/cm			11/22/24 11:08	1
Well bottom elevation	459.84				ft			11/22/24 11:08	1
Field Turbidity	0.77				NTU			11/22/24 11:08	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G48S

Lab Sample ID: 500-260496-6

Date Collected: 11/22/24 12:20

Matrix: Water

Date Received: 11/22/24 15:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		12/05/24 22:15	12/09/24 13:52	5
Arsenic	0.0074		0.0010		mg/L		12/05/24 22:15	12/06/24 20:14	1
Barium	0.023		0.0025		mg/L		12/05/24 22:15	12/06/24 20:14	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:14	1
Boron	5.1		0.25		mg/L		12/05/24 22:15	12/09/24 13:52	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:14	1
Calcium	37		0.20		mg/L		12/05/24 22:15	12/06/24 20:14	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:14	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:14	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:14	1
Lithium	0.027		0.010		mg/L		12/05/24 22:15	12/06/24 20:14	1
Molybdenum	0.41		0.0050		mg/L		12/05/24 22:15	12/06/24 20:14	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:14	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	86		20		mg/L			12/11/24 17:16	20
Sulfate (EPA 300.0)	390		20		mg/L			12/11/24 17:16	20
Total Dissolved Solids (SM 2540C)	980		10		mg/L			11/26/24 03:44	1
Fluoride (SM 4500 F C)	0.93		0.10		mg/L			12/03/24 16:30	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	102.55				ft			11/22/24 12:20	1
Depth to Water (ft from MP)	105.00				ft			11/22/24 12:20	1
Elevation of well (ft from MP)	620.73				ft			11/22/24 12:20	1
Field pH	7.74				SU			11/22/24 12:20	1
Field Temperature	53.2				Degrees F			11/22/24 12:20	1
Ground Water Elevation	515.73				ft			11/22/24 12:20	1
Specific Conductance	1520				umhos/cm			11/22/24 12:20	1
Well bottom elevation	468.32				ft			11/22/24 12:20	1
Field Turbidity	0.88				NTU			11/22/24 12:20	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T13S

Lab Sample ID: 500-260496-7

Date Collected: 11/22/24 14:00

Matrix: Water

Date Received: 11/22/24 15:12

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		12/05/24 22:15	12/09/24 13:59	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:16	1
Barium	0.0097		0.0025		mg/L		12/05/24 22:15	12/06/24 20:16	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:16	1
Boron	0.17		0.050		mg/L		12/05/24 22:15	12/09/24 13:59	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:16	1
Calcium	8.3		0.20		mg/L		12/05/24 22:15	12/06/24 20:16	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:16	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:16	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:16	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 20:16	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:16	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:16	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	39		10		mg/L			12/11/24 17:32	10
Sulfate (EPA 300.0)	170		10		mg/L			12/11/24 17:32	10
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/26/24 03:47	1
Fluoride (SM 4500 F C)	0.23		0.10		mg/L			12/03/24 16:35	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	17.82				ft			11/22/24 14:00	1
Depth to Water (ft from MP)	20.58				ft			11/22/24 14:00	1
Elevation of well (ft from MP)	525.33				ft			11/22/24 14:00	1
Field pH	7.42				SU			11/22/24 14:00	1
Field Temperature	56.5				Degrees F			11/22/24 14:00	1
Ground Water Elevation	504.75				ft			11/22/24 14:00	1
Specific Conductance	964				umhos/cm			11/22/24 14:00	1
Well bottom elevation	452.21				ft			11/22/24 14:00	1
Field Turbidity	4.10				NTU			11/22/24 14:00	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G30S

Lab Sample ID: 500-260496-8

Date Collected: 11/25/24 10:28

Matrix: GW

Date Received: 11/25/24 15:06

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		12/05/24 22:15	12/09/24 14:02	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:19	1
Barium	0.048		0.0025		mg/L		12/05/24 22:15	12/06/24 20:19	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:19	1
Boron	4.6		0.050		mg/L		12/05/24 22:15	12/09/24 14:02	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:19	1
Calcium	69		0.20		mg/L		12/05/24 22:15	12/06/24 20:19	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:19	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:19	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:19	1
Lithium	0.024		0.010		mg/L		12/05/24 22:15	12/06/24 20:19	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:19	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:19	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	180		20		mg/L			12/11/24 17:47	20
Sulfate (EPA 300.0)	500		20		mg/L			12/11/24 17:47	20
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			11/26/24 03:50	1
Fluoride (SM 4500 F C)	0.86		0.10		mg/L			12/03/24 16:40	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	-0.52				ft			11/25/24 10:28	1
Depth to Water (ft from MP)	1.79				ft			11/25/24 10:28	1
Elevation of well (ft from MP)	524.78				ft			11/25/24 10:28	1
Field pH	7.75				SU			11/25/24 10:28	1
Field Temperature	52.3				Degrees F			11/25/24 10:28	1
Ground Water Elevation	522.99				ft			11/25/24 10:28	1
Specific Conductance	1950				umhos/cm			11/25/24 10:28	1
Well bottom elevation	462.58				ft			11/25/24 10:28	1
Field Turbidity	0.88				NTU			11/25/24 10:28	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G46S

Lab Sample ID: 500-260496-9

Date Collected: 11/25/24 13:04

Matrix: GW

Date Received: 11/25/24 15:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.030		0.030		mg/L		12/05/24 22:15	12/09/24 14:05	10
Arsenic	0.057		0.0010		mg/L		12/05/24 22:15	12/06/24 20:21	1
Barium	0.045		0.0025		mg/L		12/05/24 22:15	12/06/24 20:21	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:21	1
Boron	9.3		0.50		mg/L		12/05/24 22:15	12/09/24 14:05	10
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:21	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 20:21	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:21	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:21	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:21	1
Lithium	0.23		0.010		mg/L		12/05/24 22:15	12/06/24 20:21	1
Molybdenum	1.0		0.0050		mg/L		12/05/24 22:15	12/06/24 20:21	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:21	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	62		10		mg/L			12/11/24 18:34	10
Sulfate (EPA 300.0)	500		10		mg/L			12/11/24 18:34	10
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			11/26/24 03:52	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			12/03/24 16:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	106.02				ft			11/25/24 13:04	1
Depth to Water (ft from MP)	108.72				ft			11/25/24 13:04	1
Elevation of well (ft from MP)	601.32				ft			11/25/24 13:04	1
Field pH	7.53				SU			11/25/24 13:04	1
Field Temperature	54.5				Degrees F			11/25/24 13:04	1
Ground Water Elevation	492.60				ft			11/25/24 13:04	1
Specific Conductance	1355				umhos/cm			11/25/24 13:04	1
Well bottom elevation	453.62				ft			11/25/24 13:04	1
Field Turbidity	59.40				NTU			11/25/24 13:04	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T12S

Lab Sample ID: 500-260496-10

Date Collected: 11/25/24 13:58

Matrix: Water

Date Received: 11/25/24 15:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		12/05/24 22:15	12/09/24 14:07	5
Arsenic	0.12		0.0010		mg/L		12/05/24 22:15	12/06/24 20:24	1
Barium	0.12		0.0025		mg/L		12/05/24 22:15	12/06/24 20:24	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:24	1
Boron	4.5		0.25		mg/L		12/05/24 22:15	12/09/24 14:07	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:24	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 20:24	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:24	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:24	1
Lead	0.00056		0.00050		mg/L		12/05/24 22:15	12/06/24 20:24	1
Lithium	0.13		0.010		mg/L		12/05/24 22:15	12/06/24 20:24	1
Molybdenum	0.16		0.0050		mg/L		12/05/24 22:15	12/06/24 20:24	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:24	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	66		10		mg/L			12/11/24 18:50	10
Sulfate (EPA 300.0)	190		10		mg/L			12/11/24 18:50	10
Total Dissolved Solids (SM 2540C)	720		10		mg/L			11/26/24 03:55	1
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			12/03/24 17:02	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	74.40				ft			11/25/24 13:58	1
Depth to Water (ft from MP)	77.14				ft			11/25/24 13:58	1
Elevation of well (ft from MP)	578.73				ft			11/25/24 13:58	1
Field pH	7.47				SU			11/25/24 13:58	1
Field Temperature	54.1				Degrees F			11/25/24 13:58	1
Ground Water Elevation	501.59				ft			11/25/24 13:58	1
Specific Conductance	1048				umhos/cm			11/25/24 13:58	1
Well bottom elevation	452.24				ft			11/25/24 13:58	1
Field Turbidity	80.30				NTU			11/25/24 13:58	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G39S

Lab Sample ID: 500-260496-11

Date Collected: 11/26/24 10:28

Matrix: Water

Date Received: 11/26/24 15:10

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		12/05/24 22:15	12/09/24 14:10	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:26	1
Barium	0.035		0.0025		mg/L		12/05/24 22:15	12/06/24 20:26	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:26	1
Boron	0.29		0.050		mg/L		12/05/24 22:15	12/09/24 14:10	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:26	1
Calcium	100		0.20		mg/L		12/05/24 22:15	12/06/24 20:26	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:26	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:26	1
Lead	0.0012		0.00050		mg/L		12/05/24 22:15	12/06/24 20:26	1
Lithium	0.011		0.010		mg/L		12/05/24 22:15	12/06/24 20:26	1
Molybdenum	0.0060		0.0050		mg/L		12/05/24 22:15	12/06/24 20:26	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:26	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	22		5.0		mg/L			12/11/24 19:05	5
Sulfate (EPA 300.0)	100		5.0		mg/L			12/11/24 19:05	5
Total Dissolved Solids (SM 2540C)	610		10		mg/L			12/02/24 00:39	1
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			12/03/24 17:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	97.71				ft			11/26/24 10:28	1
Depth to Water (ft from MP)	99.79				ft			11/26/24 10:28	1
Elevation of well (ft from MP)	598.74				ft			11/26/24 10:28	1
Field pH	7.21				SU			11/26/24 10:28	1
Field Temperature	50.4				Degrees F			11/26/24 10:28	1
Ground Water Elevation	498.95				ft			11/26/24 10:28	1
Specific Conductance	740				umhos/cm			11/26/24 10:28	1
Well bottom elevation	454.15				ft			11/26/24 10:28	1
Field Turbidity	3.67				NTU			11/26/24 10:28	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G44S

Lab Sample ID: 500-260496-12

Date Collected: 11/26/24 11:20

Matrix: Water

Date Received: 11/26/24 15:10

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		12/05/24 22:15	12/09/24 14:12	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:34	1
Barium	0.065		0.0025		mg/L		12/05/24 22:15	12/06/24 20:34	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:34	1
Boron	1.6		0.050		mg/L		12/05/24 22:15	12/09/24 14:12	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:34	1
Calcium	130		0.20		mg/L		12/05/24 22:15	12/06/24 20:34	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 20:34	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 20:34	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 20:34	1
Lithium	0.024		0.010		mg/L		12/05/24 22:15	12/06/24 20:34	1
Molybdenum	0.19		0.0050		mg/L		12/05/24 22:15	12/06/24 20:34	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 20:34	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 20:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	50		10		mg/L			12/11/24 19:21	10
Sulfate (EPA 300.0)	150		10		mg/L			12/11/24 19:21	10
Total Dissolved Solids (SM 2540C)	800		10		mg/L			12/02/24 00:41	1
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			12/03/24 17:11	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	83.66				ft			11/26/24 11:20	1
Depth to Water (ft from MP)	85.84				ft			11/26/24 11:20	1
Elevation of well (ft from MP)	586.62				ft			11/26/24 11:20	1
Field pH	7.14				SU			11/26/24 11:20	1
Field Temperature	52.7				Degrees F			11/26/24 11:20	1
Ground Water Elevation	500.78				ft			11/26/24 11:20	1
Specific Conductance	1136				umhos/cm			11/26/24 11:20	1
Well bottom elevation	455.11				ft			11/26/24 11:20	1
Field Turbidity	57.60				NTU			11/26/24 11:20	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G45S

Lab Sample ID: 500-260496-13

Date Collected: 11/26/24 12:56

Matrix: Water

Date Received: 11/26/24 15:10

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		12/05/24 22:15	12/09/24 15:18	1
Arsenic	0.0084		0.0010		mg/L		12/05/24 22:15	12/09/24 15:18	1
Barium	0.045		0.0025		mg/L		12/05/24 22:15	12/09/24 15:18	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:18	1
Boron	0.52		0.050		mg/L		12/05/24 22:15	12/10/24 13:32	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:18	1
Calcium	110		0.20		mg/L		12/05/24 22:15	12/09/24 15:18	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 15:18	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:18	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:18	1
Lithium	0.027		0.010		mg/L		12/05/24 22:15	12/09/24 15:18	1
Molybdenum	0.011		0.0050		mg/L		12/05/24 22:15	12/09/24 15:18	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 15:18	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 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		12/12/24 10:45	12/13/24 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		10		mg/L			12/11/24 21:41	10
Sulfate (EPA 300.0)	160		10		mg/L			12/11/24 21:41	10
Total Dissolved Solids (SM 2540C)	850		10		mg/L			12/02/24 00:44	1
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			12/03/24 17:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	61.60				ft			11/26/24 12:56	1
Depth to Water (ft from MP)	64.57				ft			11/26/24 12:56	1
Elevation of well (ft from MP)	603.81				ft			11/26/24 12:56	1
Field pH	7.31				SU			11/26/24 12:56	1
Field Temperature	55.9				Degrees F			11/26/24 12:56	1
Ground Water Elevation	539.24				ft			11/26/24 12:56	1
Specific Conductance	1138				umhos/cm			11/26/24 12:56	1
Well bottom elevation	471.05				ft			11/26/24 12:56	1
Field Turbidity	1.75				NTU			11/26/24 12:56	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: R32S

Lab Sample ID: 500-260496-14

Date Collected: 11/26/24 13:54

Matrix: Water

Date Received: 11/26/24 15:10

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		12/05/24 22:15	12/09/24 14:20	1
Arsenic	0.0024		0.0010		mg/L		12/05/24 22:15	12/09/24 14:20	1
Barium	0.032		0.0025		mg/L		12/05/24 22:15	12/09/24 14:20	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:20	1
Boron	4.1		0.25		mg/L		12/05/24 22:15	12/10/24 12:52	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:20	1
Calcium	130		0.20		mg/L		12/05/24 22:15	12/09/24 14:20	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:20	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:20	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:20	1
Lithium	0.10		0.010		mg/L		12/05/24 22:15	12/09/24 14:20	1
Molybdenum	0.48		0.0050		mg/L		12/05/24 22:15	12/09/24 14:20	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:20	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	39		20		mg/L			12/11/24 22:28	20
Sulfate (EPA 300.0)	390		20		mg/L			12/11/24 22:28	20
Total Dissolved Solids (SM 2540C)	880		10		mg/L			12/02/24 00:46	1
Fluoride (SM 4500 F C)	0.25		0.10		mg/L			12/11/24 15:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	22.85				ft			11/26/24 13:54	1
Depth to Water (ft from MP)	24.88				ft			11/26/24 13:54	1
Elevation of well (ft from MP)	537.04				ft			11/26/24 13:54	1
Field pH	7.57				SU			11/26/24 13:54	1
Field Temperature	53.2				Degrees F			11/26/24 13:54	1
Ground Water Elevation	512.16				ft			11/26/24 13:54	1
Specific Conductance	993				umhos/cm			11/26/24 13:54	1
Well bottom elevation	457.84				ft			11/26/24 13:54	1
Field Turbidity	2.00				NTU			11/26/24 13:54	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T02S

Lab Sample ID: 500-260496-15

Date Collected: 11/27/24 10:14

Matrix: Water

Date Received: 11/27/24 15:47

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		12/05/24 22:15	12/09/24 14:38	1
Arsenic	0.0046		0.0010		mg/L		12/05/24 22:15	12/09/24 14:38	1
Barium	0.065		0.0025		mg/L		12/05/24 22:15	12/09/24 14:38	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:38	1
Boron	2.9		0.050		mg/L		12/05/24 22:15	12/10/24 13:05	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:38	1
Calcium	86		0.20		mg/L		12/05/24 22:15	12/09/24 14:38	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:38	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:38	1
Lead	0.0069		0.00050		mg/L		12/05/24 22:15	12/09/24 14:38	1
Lithium	0.035		0.010		mg/L		12/05/24 22:15	12/09/24 14:38	1
Molybdenum	0.25		0.0050		mg/L		12/05/24 22:15	12/09/24 14:38	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:38	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110		20		mg/L			12/11/24 22:44	20
Sulfate (EPA 300.0)	320		20		mg/L			12/11/24 22:44	20
Total Dissolved Solids (SM 2540C)	990		10		mg/L			12/02/24 00:49	1
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			12/11/24 16:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	135.39				ft			11/27/24 10:14	1
Depth to Water (ft from MP)	137.72				ft			11/27/24 10:14	1
Elevation of well (ft from MP)	626.14				ft			11/27/24 10:14	1
Field pH	7.64				SU			11/27/24 10:14	1
Field Temperature	51.1				Degrees F			11/27/24 10:14	1
Ground Water Elevation	488.42				ft			11/27/24 10:14	1
Specific Conductance	1049				umhos/cm			11/27/24 10:14	1
Well bottom elevation	453.40				ft			11/27/24 10:14	1
Field Turbidity	179.00				NTU			11/27/24 10:14	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T08S

Lab Sample ID: 500-260496-16

Date Collected: 11/27/24 12:34

Matrix: Water

Date Received: 11/27/24 15:47

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		12/05/24 22:15	12/09/24 14:40	1
Arsenic	0.012		0.0010		mg/L		12/05/24 22:15	12/09/24 14:40	1
Barium	0.023		0.0025		mg/L		12/05/24 22:15	12/09/24 14:40	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:40	1
Boron	7.0		0.25		mg/L		12/05/24 22:15	12/10/24 13:07	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:40	1
Calcium	17		0.20		mg/L		12/05/24 22:15	12/09/24 14:40	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:40	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:40	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:40	1
Lithium	0.053		0.010		mg/L		12/05/24 22:15	12/09/24 14:40	1
Molybdenum	0.63		0.0050		mg/L		12/05/24 22:15	12/09/24 14:40	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:40	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	71		20		mg/L			12/11/24 22:59	20
Sulfate (EPA 300.0)	450		20		mg/L			12/11/24 22:59	20
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			12/02/24 00:52	1
Fluoride (SM 4500 F C)	0.54		0.10		mg/L			12/11/24 16:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	130.14				ft			11/27/24 12:34	1
Depth to Water (ft from MP)	132.52				ft			11/27/24 12:34	1
Elevation of well (ft from MP)	627.43				ft			11/27/24 12:34	1
Field pH	8.37				SU			11/27/24 12:34	1
Field Temperature	50.9				Degrees F			11/27/24 12:34	1
Ground Water Elevation	494.91				ft			11/27/24 12:34	1
Specific Conductance	1373				umhos/cm			11/27/24 12:34	1
Well bottom elevation	447.38				ft			11/27/24 12:34	1
Field Turbidity	1.29				NTU			11/27/24 12:34	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T03S

Lab Sample ID: 500-260496-17

Date Collected: 11/27/24 14:14

Matrix: Water

Date Received: 11/27/24 15:47

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		12/05/24 22:15	12/09/24 14:50	1
Arsenic	0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:50	1
Barium	0.067		0.0025		mg/L		12/05/24 22:15	12/09/24 14:50	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:50	1
Boron	0.47		0.050		mg/L		12/05/24 22:15	12/10/24 13:10	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:50	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/09/24 14:50	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:50	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:50	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:50	1
Lithium	0.018		0.010		mg/L		12/05/24 22:15	12/09/24 14:50	1
Molybdenum	0.034		0.0050		mg/L		12/05/24 22:15	12/09/24 14:50	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:50	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110		10		mg/L			12/11/24 23:15	10
Sulfate (EPA 300.0)	140		10		mg/L			12/11/24 23:15	10
Total Dissolved Solids (SM 2540C)	840		10		mg/L			12/02/24 00:54	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			12/11/24 16:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	138.46				ft			11/27/24 14:14	1
Depth to Water (ft from MP)	141.54				ft			11/27/24 14:14	1
Elevation of well (ft from MP)	629.73				ft			11/27/24 14:14	1
Field pH	7.52				SU			11/27/24 14:14	1
Field Temperature	53.2				Degrees F			11/27/24 14:14	1
Ground Water Elevation	488.19				ft			11/27/24 14:14	1
Specific Conductance	1160				umhos/cm			11/27/24 14:14	1
Well bottom elevation	456.70				ft			11/27/24 14:14	1
Field Turbidity	0.99				NTU			11/27/24 14:14	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T03S DUP

Lab Sample ID: 500-260496-18

Date Collected: 11/27/24 14:14

Matrix: Water

Date Received: 11/27/24 15:47

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		12/05/24 22:15	12/09/24 14:53	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:53	1
Barium	0.059		0.0025		mg/L		12/05/24 22:15	12/09/24 14:53	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:53	1
Boron	0.50		0.050		mg/L		12/05/24 22:15	12/10/24 13:12	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:53	1
Calcium	110		0.20		mg/L		12/05/24 22:15	12/09/24 14:53	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:53	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:53	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:53	1
Lithium	0.018		0.010		mg/L		12/05/24 22:15	12/09/24 14:53	1
Molybdenum	0.031		0.0050		mg/L		12/05/24 22:15	12/09/24 14:53	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:53	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110		10		mg/L			12/11/24 23:30	10
Sulfate (EPA 300.0)	140		10		mg/L			12/11/24 23:30	10
Total Dissolved Solids (SM 2540C)	840		10		mg/L			12/02/24 00:57	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			12/11/24 16:31	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	138.46				ft			11/27/24 14:14	1
Depth to Water (ft from MP)	141.54				ft			11/27/24 14:14	1
Elevation of well (ft from MP)	629.73				ft			11/27/24 14:14	1
Field pH	7.52				SU			11/27/24 14:14	1
Field Temperature	53.2				Degrees F			11/27/24 14:14	1
Ground Water Elevation	488.19				ft			11/27/24 14:14	1
Specific Conductance	1160				umhos/cm			11/27/24 14:14	1
Well bottom elevation	456.70				ft			11/27/24 14:14	1
Field Turbidity	0.99				NTU			11/27/24 14:14	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T09S

Lab Sample ID: 500-260496-19

Date Collected: 12/03/24 11:43

Matrix: Water

Date Received: 12/03/24 15:10

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		12/05/24 22:15	12/09/24 14:56	1
Arsenic	0.0020		0.0010		mg/L		12/05/24 22:15	12/09/24 14:56	1
Barium	0.057		0.0025		mg/L		12/05/24 22:15	12/09/24 14:56	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:56	1
Boron	3.7		0.050		mg/L		12/05/24 22:15	12/10/24 13:20	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:56	1
Calcium	130		0.20		mg/L		12/05/24 22:15	12/09/24 14:56	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:56	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:56	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:56	1
Lithium	0.076		0.010		mg/L		12/05/24 22:15	12/09/24 14:56	1
Molybdenum	0.43		0.0050		mg/L		12/05/24 22:15	12/09/24 14:56	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:56	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	43		20		mg/L			12/12/24 00:17	20
Sulfate (EPA 300.0)	270		20		mg/L			12/12/24 00:17	20
Total Dissolved Solids (SM 2540C)	870		10		mg/L			12/03/24 23:55	1
Fluoride (SM 4500 F C)	0.28		0.10		mg/L			12/11/24 16:37	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	108.38				ft			12/03/24 11:43	1
Depth to Water (ft from MP)	110.78				ft			12/03/24 11:43	1
Elevation of well (ft from MP)	603.49				ft			12/03/24 11:43	1
Field pH	7.80				SU			12/03/24 11:43	1
Field Temperature	48.9				Degrees F			12/03/24 11:43	1
Ground Water Elevation	492.71				ft			12/03/24 11:43	1
Specific Conductance	1176				umhos/cm			12/03/24 11:43	1
Well bottom elevation	444.80				ft			12/03/24 11:43	1
Field Turbidity	18.40				NTU			12/03/24 11:43	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T06S

Lab Sample ID: 500-260496-20

Date Collected: 12/03/24 13:28

Matrix: Water

Date Received: 12/03/24 15:10

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		12/05/24 22:15	12/09/24 14:58	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:58	1
Barium	0.032		0.0025		mg/L		12/05/24 22:15	12/09/24 14:58	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:58	1
Boron	0.77		0.050		mg/L		12/05/24 22:15	12/10/24 13:22	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:58	1
Calcium	83		0.20		mg/L		12/05/24 22:15	12/09/24 14:58	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:58	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:58	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:58	1
Lithium	0.024		0.010		mg/L		12/05/24 22:15	12/09/24 14:58	1
Molybdenum	0.0088		0.0050		mg/L		12/05/24 22:15	12/09/24 14:58	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:58	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	12		5.0		mg/L			12/12/24 00:33	5
Sulfate (EPA 300.0)	99		5.0		mg/L			12/12/24 00:33	5
Total Dissolved Solids (SM 2540C)	500		10		mg/L			12/04/24 00:03	1
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			12/11/24 16:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	117.32				ft			12/03/24 13:28	1
Depth to Water (ft from MP)	119.62				ft			12/03/24 13:28	1
Elevation of well (ft from MP)	621.05				ft			12/03/24 13:28	1
Field pH	7.34				SU			12/03/24 13:28	1
Field Temperature	46.2				Degrees F			12/03/24 13:28	1
Ground Water Elevation	501.43				ft			12/03/24 13:28	1
Specific Conductance	778				umhos/cm			12/03/24 13:28	1
Well bottom elevation	447.94				ft			12/03/24 13:28	1
Field Turbidity	0.54				NTU			12/03/24 13:28	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T01S

Lab Sample ID: 500-260496-21

Date Collected: 12/04/24 10:26

Matrix: Water

Date Received: 12/04/24 15:55

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		12/05/24 22:15	12/09/24 15:01	1
Arsenic	0.0087		0.0010		mg/L		12/05/24 22:15	12/09/24 15:01	1
Barium	0.057		0.0025		mg/L		12/05/24 22:15	12/09/24 15:01	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:01	1
Boron	4.0		0.25		mg/L		12/05/24 22:15	12/10/24 13:25	5
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:01	1
Calcium	71		0.20		mg/L		12/05/24 22:15	12/09/24 15:01	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 15:01	1
Cobalt	0.0064		0.0010		mg/L		12/05/24 22:15	12/09/24 15:01	1
Lead	0.0043		0.00050		mg/L		12/05/24 22:15	12/09/24 15:01	1
Lithium	0.012		0.010		mg/L		12/05/24 22:15	12/09/24 15:01	1
Molybdenum	0.25		0.0050		mg/L		12/05/24 22:15	12/09/24 15:01	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 15:01	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 15:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 07:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	88		20		mg/L			12/12/24 00:49	20
Sulfate (EPA 300.0)	400		20		mg/L			12/12/24 00:49	20
Total Dissolved Solids (SM 2540C)	990		10		mg/L			12/06/24 01:52	1
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			12/11/24 16:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	123.58				ft			12/04/24 10:26	1
Depth to Water (ft from MP)	126.06				ft			12/04/24 10:26	1
Elevation of well (ft from MP)	621.83				ft			12/04/24 10:26	1
Field pH	7.75				SU			12/04/24 10:26	1
Field Temperature	42.4				Degrees F			12/04/24 10:26	1
Ground Water Elevation	495.77				ft			12/04/24 10:26	1
Specific Conductance	1467				umhos/cm			12/04/24 10:26	1
Well bottom elevation	451.46				ft			12/04/24 10:26	1
Field Turbidity	355.00				NTU			12/04/24 10:26	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T11S

Lab Sample ID: 500-260496-22

Date Collected: 12/04/24 12:35

Matrix: Water

Date Received: 12/04/24 15:55

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		12/05/24 22:15	12/09/24 15:08	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:08	1
Barium	0.040		0.0025		mg/L		12/05/24 22:15	12/09/24 15:08	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:08	1
Boron	0.20		0.050		mg/L		12/05/24 22:15	12/10/24 13:27	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:08	1
Calcium	110		0.20		mg/L		12/05/24 22:15	12/09/24 15:08	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 15:08	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:08	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:08	1
Lithium	0.018		0.010		mg/L		12/05/24 22:15	12/09/24 15:08	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 15:08	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 15:08	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 15:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 07:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	37		10		mg/L			12/12/24 01:04	10
Sulfate (EPA 300.0)	180		10		mg/L			12/12/24 01:04	10
Total Dissolved Solids (SM 2540C)	760		10		mg/L			12/06/24 01:59	1
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			12/11/24 17:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	73.49				ft			12/04/24 12:35	1
Depth to Water (ft from MP)	76.23				ft			12/04/24 12:35	1
Elevation of well (ft from MP)	559.40				ft			12/04/24 12:35	1
Field pH	7.76				SU			12/04/24 12:35	1
Field Temperature	51.3				Degrees F			12/04/24 12:35	1
Ground Water Elevation	483.17				ft			12/04/24 12:35	1
Specific Conductance	933				umhos/cm			12/04/24 12:35	1
Well bottom elevation	445.60				ft			12/04/24 12:35	1
Field Turbidity	28.60				NTU			12/04/24 12:35	1

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T05S

Lab Sample ID: 500-260496-23

Date Collected: 12/04/24 14:12

Matrix: Water

Date Received: 12/04/24 15:55

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		12/05/24 22:15	12/09/24 15:11	1
Arsenic	0.087		0.0010		mg/L		12/05/24 22:15	12/09/24 15:11	1
Barium	0.0053		0.0025		mg/L		12/05/24 22:15	12/09/24 15:11	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:11	1
Boron	8.5		0.50		mg/L		12/05/24 22:15	12/10/24 13:30	10
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:11	1
Calcium	2.4		0.20		mg/L		12/05/24 22:15	12/09/24 15:11	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 15:11	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 15:11	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 15:11	1
Lithium	0.015		0.010		mg/L		12/05/24 22:15	12/09/24 15:11	1
Molybdenum	0.70		0.0050		mg/L		12/05/24 22:15	12/09/24 15:11	1
Selenium	0.0027		0.0025		mg/L		12/05/24 22:15	12/09/24 15:11	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 15:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 07:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110		5.0		mg/L			12/12/24 01:20	5
Sulfate (EPA 300.0)	610		50		mg/L			12/12/24 18:55	50
Total Dissolved Solids (SM 2540C)	1600		10		mg/L			12/06/24 02:05	1
Fluoride (SM 4500 F C)	1.6		0.10		mg/L			12/11/24 17:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Depth to water from land surface	123.92				ft			12/04/24 14:12	1
Depth to Water (ft from MP)	126.32				ft			12/04/24 14:12	1
Elevation of well (ft from MP)	623.41				ft			12/04/24 14:12	1
Field pH	8.71				SU			12/04/24 14:12	1
Field Temperature	44.2				Degrees F			12/04/24 14:12	1
Ground Water Elevation	497.09				ft			12/04/24 14:12	1
Specific Conductance	2320				umhos/cm			12/04/24 14:12	1
Well bottom elevation	448.35				ft			12/04/24 14:12	1
Field Turbidity	3.72				NTU			12/04/24 14:12	1

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Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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.

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: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Metals

Prep Batch: 798276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total Recoverable	GW	3005A	
500-260496-2	R08S	Total Recoverable	GW	3005A	
500-260496-3	G31S	Total Recoverable	Water	3005A	
500-260496-4	G33S	Total Recoverable	Water	3005A	
500-260496-5	G47S	Total Recoverable	Water	3005A	
500-260496-6	G48S	Total Recoverable	Water	3005A	
500-260496-7	T13S	Total Recoverable	Water	3005A	
500-260496-8	G30S	Total Recoverable	GW	3005A	
500-260496-9	G46S	Total Recoverable	GW	3005A	
500-260496-10	T12S	Total Recoverable	Water	3005A	
500-260496-11	G39S	Total Recoverable	Water	3005A	
500-260496-12	G44S	Total Recoverable	Water	3005A	
MB 500-798276/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-798276/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 798277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-13	G45S	Total Recoverable	Water	3005A	
500-260496-14	R32S	Total Recoverable	Water	3005A	
500-260496-15	T02S	Total Recoverable	Water	3005A	
500-260496-16	T08S	Total Recoverable	Water	3005A	
500-260496-17	T03S	Total Recoverable	Water	3005A	
500-260496-18	T03S DUP	Total Recoverable	Water	3005A	
500-260496-19	T09S	Total Recoverable	Water	3005A	
500-260496-20	T06S	Total Recoverable	Water	3005A	
500-260496-21	T01S	Total Recoverable	Water	3005A	
500-260496-22	T11S	Total Recoverable	Water	3005A	
500-260496-23	T05S	Total Recoverable	Water	3005A	
MB 500-798277/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-798277/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-260496-14 MS	R32S	Total Recoverable	Water	3005A	
500-260496-14 MSD	R32S	Total Recoverable	Water	3005A	
500-260496-14 DU	R32S	Total Recoverable	Water	3005A	

Analysis Batch: 798542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total Recoverable	GW	6020B	798276
500-260496-2	R08S	Total Recoverable	GW	6020B	798276
500-260496-3	G31S	Total Recoverable	Water	6020B	798276
500-260496-4	G33S	Total Recoverable	Water	6020B	798276
500-260496-5	G47S	Total Recoverable	Water	6020B	798276
500-260496-6	G48S	Total Recoverable	Water	6020B	798276
500-260496-7	T13S	Total Recoverable	Water	6020B	798276
500-260496-8	G30S	Total Recoverable	GW	6020B	798276
500-260496-9	G46S	Total Recoverable	GW	6020B	798276
500-260496-10	T12S	Total Recoverable	Water	6020B	798276
500-260496-11	G39S	Total Recoverable	Water	6020B	798276
500-260496-12	G44S	Total Recoverable	Water	6020B	798276
MB 500-798276/1-A	Method Blank	Total Recoverable	Water	6020B	798276
LCS 500-798276/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798276

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Metals

Analysis Batch: 798633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total Recoverable	GW	6020B	798276
500-260496-2	R08S	Total Recoverable	GW	6020B	798276
500-260496-3	G31S	Total Recoverable	Water	6020B	798276
500-260496-4	G33S	Total Recoverable	Water	6020B	798276
500-260496-5	G47S	Total Recoverable	Water	6020B	798276
500-260496-6	G48S	Total Recoverable	Water	6020B	798276
500-260496-7	T13S	Total Recoverable	Water	6020B	798276
500-260496-8	G30S	Total Recoverable	GW	6020B	798276
500-260496-9	G46S	Total Recoverable	GW	6020B	798276
500-260496-10	T12S	Total Recoverable	Water	6020B	798276
500-260496-11	G39S	Total Recoverable	Water	6020B	798276
500-260496-12	G44S	Total Recoverable	Water	6020B	798276
MB 500-798276/1-A	Method Blank	Total Recoverable	Water	6020B	798276
LCS 500-798276/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798276

Analysis Batch: 798723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-13	G45S	Total Recoverable	Water	6020B	798277
500-260496-14	R32S	Total Recoverable	Water	6020B	798277
500-260496-15	T02S	Total Recoverable	Water	6020B	798277
500-260496-16	T08S	Total Recoverable	Water	6020B	798277
500-260496-17	T03S	Total Recoverable	Water	6020B	798277
500-260496-18	T03S DUP	Total Recoverable	Water	6020B	798277
500-260496-19	T09S	Total Recoverable	Water	6020B	798277
500-260496-20	T06S	Total Recoverable	Water	6020B	798277
500-260496-21	T01S	Total Recoverable	Water	6020B	798277
500-260496-22	T11S	Total Recoverable	Water	6020B	798277
500-260496-23	T05S	Total Recoverable	Water	6020B	798277
MB 500-798277/1-A	Method Blank	Total Recoverable	Water	6020B	798277
LCS 500-798277/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798277
500-260496-14 MS	R32S	Total Recoverable	Water	6020B	798277
500-260496-14 MSD	R32S	Total Recoverable	Water	6020B	798277
500-260496-14 DU	R32S	Total Recoverable	Water	6020B	798277

Analysis Batch: 798895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-13	G45S	Total Recoverable	Water	6020B	798277
500-260496-14	R32S	Total Recoverable	Water	6020B	798277
500-260496-15	T02S	Total Recoverable	Water	6020B	798277
500-260496-16	T08S	Total Recoverable	Water	6020B	798277
500-260496-17	T03S	Total Recoverable	Water	6020B	798277
500-260496-18	T03S DUP	Total Recoverable	Water	6020B	798277
500-260496-19	T09S	Total Recoverable	Water	6020B	798277
500-260496-20	T06S	Total Recoverable	Water	6020B	798277
500-260496-21	T01S	Total Recoverable	Water	6020B	798277
500-260496-22	T11S	Total Recoverable	Water	6020B	798277
500-260496-23	T05S	Total Recoverable	Water	6020B	798277
500-260496-14 MS	R32S	Total Recoverable	Water	6020B	798277
500-260496-14 MSD	R32S	Total Recoverable	Water	6020B	798277
500-260496-14 DU	R32S	Total Recoverable	Water	6020B	798277

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Metals

Prep Batch: 799155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	7470A	
500-260496-2	R08S	Total/NA	GW	7470A	
500-260496-3	G31S	Total/NA	Water	7470A	
500-260496-4	G33S	Total/NA	Water	7470A	
500-260496-5	G47S	Total/NA	Water	7470A	
500-260496-6	G48S	Total/NA	Water	7470A	
500-260496-7	T13S	Total/NA	Water	7470A	
500-260496-8	G30S	Total/NA	GW	7470A	
500-260496-9	G46S	Total/NA	GW	7470A	
500-260496-10	T12S	Total/NA	Water	7470A	
500-260496-11	G39S	Total/NA	Water	7470A	
500-260496-12	G44S	Total/NA	Water	7470A	
500-260496-13	G45S	Total/NA	Water	7470A	
500-260496-14	R32S	Total/NA	Water	7470A	
500-260496-15	T02S	Total/NA	Water	7470A	
500-260496-16	T08S	Total/NA	Water	7470A	
500-260496-17	T03S	Total/NA	Water	7470A	
500-260496-18	T03S DUP	Total/NA	Water	7470A	
500-260496-19	T09S	Total/NA	Water	7470A	
500-260496-20	T06S	Total/NA	Water	7470A	
MB 500-799155/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-799155/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-260496-10 MS	T12S	Total/NA	Water	7470A	
500-260496-10 MSD	T12S	Total/NA	Water	7470A	
500-260496-10 DU	T12S	Total/NA	Water	7470A	

Prep Batch: 799156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-21	T01S	Total/NA	Water	7470A	
500-260496-22	T11S	Total/NA	Water	7470A	
500-260496-23	T05S	Total/NA	Water	7470A	
MB 500-799156/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-799156/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 799341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	7470A	799155
500-260496-2	R08S	Total/NA	GW	7470A	799155
500-260496-3	G31S	Total/NA	Water	7470A	799155
500-260496-4	G33S	Total/NA	Water	7470A	799155
500-260496-5	G47S	Total/NA	Water	7470A	799155
500-260496-6	G48S	Total/NA	Water	7470A	799155
500-260496-7	T13S	Total/NA	Water	7470A	799155
500-260496-8	G30S	Total/NA	GW	7470A	799155
500-260496-9	G46S	Total/NA	GW	7470A	799155
500-260496-10	T12S	Total/NA	Water	7470A	799155
500-260496-11	G39S	Total/NA	Water	7470A	799155
500-260496-12	G44S	Total/NA	Water	7470A	799155
500-260496-13	G45S	Total/NA	Water	7470A	799155
500-260496-14	R32S	Total/NA	Water	7470A	799155
500-260496-15	T02S	Total/NA	Water	7470A	799155

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Metals (Continued)

Analysis Batch: 799341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-16	T08S	Total/NA	Water	7470A	799155
500-260496-17	T03S	Total/NA	Water	7470A	799155
500-260496-18	T03S DUP	Total/NA	Water	7470A	799155
500-260496-19	T09S	Total/NA	Water	7470A	799155
500-260496-20	T06S	Total/NA	Water	7470A	799155
500-260496-21	T01S	Total/NA	Water	7470A	799156
500-260496-22	T11S	Total/NA	Water	7470A	799156
500-260496-23	T05S	Total/NA	Water	7470A	799156
MB 500-799155/12-A	Method Blank	Total/NA	Water	7470A	799155
MB 500-799156/12-A	Method Blank	Total/NA	Water	7470A	799156
LCS 500-799155/13-A	Lab Control Sample	Total/NA	Water	7470A	799155
LCS 500-799156/13-A	Lab Control Sample	Total/NA	Water	7470A	799156
500-260496-10 MS	T12S	Total/NA	Water	7470A	799155
500-260496-10 MSD	T12S	Total/NA	Water	7470A	799155
500-260496-10 DU	T12S	Total/NA	Water	7470A	799155

General Chemistry

Analysis Batch: 797033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	SM 2540C	
500-260496-2	R08S	Total/NA	GW	SM 2540C	
500-260496-3	G31S	Total/NA	Water	SM 2540C	
500-260496-4	G33S	Total/NA	Water	SM 2540C	
500-260496-5	G47S	Total/NA	Water	SM 2540C	
500-260496-6	G48S	Total/NA	Water	SM 2540C	
500-260496-7	T13S	Total/NA	Water	SM 2540C	
500-260496-8	G30S	Total/NA	GW	SM 2540C	
500-260496-9	G46S	Total/NA	GW	SM 2540C	
500-260496-10	T12S	Total/NA	Water	SM 2540C	
MB 500-797033/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-797033/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-260496-1 MS	G20S	Total/NA	GW	SM 2540C	
500-260496-1 DU	G20S	Total/NA	GW	SM 2540C	
500-260496-2 DU	R08S	Total/NA	GW	SM 2540C	

Analysis Batch: 797494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-11	G39S	Total/NA	Water	SM 2540C	
500-260496-12	G44S	Total/NA	Water	SM 2540C	
500-260496-13	G45S	Total/NA	Water	SM 2540C	
500-260496-14	R32S	Total/NA	Water	SM 2540C	
500-260496-15	T02S	Total/NA	Water	SM 2540C	
500-260496-16	T08S	Total/NA	Water	SM 2540C	
500-260496-17	T03S	Total/NA	Water	SM 2540C	
500-260496-18	T03S DUP	Total/NA	Water	SM 2540C	
MB 500-797494/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-797494/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

General Chemistry

Analysis Batch: 797893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-19	T09S	Total/NA	Water	SM 2540C	
500-260496-20	T06S	Total/NA	Water	SM 2540C	
MB 500-797893/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-797893/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-260496-19 MS	T09S	Total/NA	Water	SM 2540C	
500-260496-19 DU	T09S	Total/NA	Water	SM 2540C	
500-260496-20 DU	T06S	Total/NA	Water	SM 2540C	

Analysis Batch: 798114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	SM 4500 F C	
500-260496-2	R08S	Total/NA	GW	SM 4500 F C	
500-260496-3	G31S	Total/NA	Water	SM 4500 F C	
500-260496-4	G33S	Total/NA	Water	SM 4500 F C	
500-260496-5	G47S	Total/NA	Water	SM 4500 F C	
500-260496-6	G48S	Total/NA	Water	SM 4500 F C	
500-260496-7	T13S	Total/NA	Water	SM 4500 F C	
500-260496-8	G30S	Total/NA	GW	SM 4500 F C	
500-260496-9	G46S	Total/NA	GW	SM 4500 F C	
500-260496-10	T12S	Total/NA	Water	SM 4500 F C	
500-260496-11	G39S	Total/NA	Water	SM 4500 F C	
500-260496-12	G44S	Total/NA	Water	SM 4500 F C	
500-260496-13	G45S	Total/NA	Water	SM 4500 F C	
MB 500-798114/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-798114/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-798114/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-798114/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 798297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-21	T01S	Total/NA	Water	SM 2540C	
500-260496-22	T11S	Total/NA	Water	SM 2540C	
500-260496-23	T05S	Total/NA	Water	SM 2540C	
MB 500-798297/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-798297/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-260496-21 MS	T01S	Total/NA	Water	SM 2540C	
500-260496-21 DU	T01S	Total/NA	Water	SM 2540C	
500-260496-22 DU	T11S	Total/NA	Water	SM 2540C	

Analysis Batch: 798788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	300.0	
500-260496-2	R08S	Total/NA	GW	300.0	
500-260496-3	G31S	Total/NA	Water	300.0	
500-260496-4	G33S	Total/NA	Water	300.0	
500-260496-5	G47S	Total/NA	Water	300.0	
500-260496-6	G48S	Total/NA	Water	300.0	
500-260496-7	T13S	Total/NA	Water	300.0	
500-260496-8	G30S	Total/NA	GW	300.0	
500-260496-9	G46S	Total/NA	GW	300.0	
500-260496-10	T12S	Total/NA	Water	300.0	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

General Chemistry (Continued)

Analysis Batch: 798788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-11	G39S	Total/NA	Water	300.0	
500-260496-12	G44S	Total/NA	Water	300.0	
MB 500-798788/3	Method Blank	Total/NA	Water	300.0	
LCS 500-798788/4	Lab Control Sample	Total/NA	Water	300.0	
500-260496-12 MS	G44S	Total/NA	Water	300.0	
500-260496-12 MSD	G44S	Total/NA	Water	300.0	

Analysis Batch: 798928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-13	G45S	Total/NA	Water	300.0	
500-260496-14	R32S	Total/NA	Water	300.0	
500-260496-15	T02S	Total/NA	Water	300.0	
500-260496-16	T08S	Total/NA	Water	300.0	
500-260496-17	T03S	Total/NA	Water	300.0	
500-260496-18	T03S DUP	Total/NA	Water	300.0	
500-260496-19	T09S	Total/NA	Water	300.0	
500-260496-20	T06S	Total/NA	Water	300.0	
500-260496-21	T01S	Total/NA	Water	300.0	
500-260496-22	T11S	Total/NA	Water	300.0	
500-260496-23	T05S	Total/NA	Water	300.0	
MB 500-798928/3	Method Blank	Total/NA	Water	300.0	
LCS 500-798928/4	Lab Control Sample	Total/NA	Water	300.0	
500-260496-13 MS	G45S	Total/NA	Water	300.0	
500-260496-13 MSD	G45S	Total/NA	Water	300.0	

Analysis Batch: 799149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-14	R32S	Total/NA	Water	SM 4500 F C	
500-260496-15	T02S	Total/NA	Water	SM 4500 F C	
500-260496-16	T08S	Total/NA	Water	SM 4500 F C	
500-260496-17	T03S	Total/NA	Water	SM 4500 F C	
500-260496-18	T03S DUP	Total/NA	Water	SM 4500 F C	
500-260496-19	T09S	Total/NA	Water	SM 4500 F C	
500-260496-20	T06S	Total/NA	Water	SM 4500 F C	
500-260496-21	T01S	Total/NA	Water	SM 4500 F C	
500-260496-22	T11S	Total/NA	Water	SM 4500 F C	
500-260496-23	T05S	Total/NA	Water	SM 4500 F C	
MB 500-799149/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-799149/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-260496-22 MS	T11S	Total/NA	Water	SM 4500 F C	
500-260496-22 MSD	T11S	Total/NA	Water	SM 4500 F C	

Analysis Batch: 799158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-23	T05S	Total/NA	Water	300.0	
MB 500-799158/3	Method Blank	Total/NA	Water	300.0	
LCS 500-799158/4	Lab Control Sample	Total/NA	Water	300.0	

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Field Service / Mobile Lab

Analysis Batch: 796759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	Field Sampling	
500-260496-2	R08S	Total/NA	GW	Field Sampling	
500-260496-3	G31S	Total/NA	Water	Field Sampling	
500-260496-4	G33S	Total/NA	Water	Field Sampling	
500-260496-5	G47S	Total/NA	Water	Field Sampling	
500-260496-6	G48S	Total/NA	Water	Field Sampling	
500-260496-7	T13S	Total/NA	Water	Field Sampling	
500-260496-8	G30S	Total/NA	GW	Field Sampling	
500-260496-9	G46S	Total/NA	GW	Field Sampling	
500-260496-10	T12S	Total/NA	Water	Field Sampling	
500-260496-11	G39S	Total/NA	Water	Field Sampling	
500-260496-12	G44S	Total/NA	Water	Field Sampling	
500-260496-13	G45S	Total/NA	Water	Field Sampling	
500-260496-14	R32S	Total/NA	Water	Field Sampling	
500-260496-15	T02S	Total/NA	Water	Field Sampling	
500-260496-16	T08S	Total/NA	Water	Field Sampling	
500-260496-17	T03S	Total/NA	Water	Field Sampling	
500-260496-18	T03S DUP	Total/NA	Water	Field Sampling	
500-260496-19	T09S	Total/NA	Water	Field Sampling	
500-260496-20	T06S	Total/NA	Water	Field Sampling	
500-260496-21	T01S	Total/NA	Water	Field Sampling	
500-260496-22	T11S	Total/NA	Water	Field Sampling	
500-260496-23	T05S	Total/NA	Water	Field Sampling	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-798276/1-A
Matrix: Water
Analysis Batch: 798542

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:16	1
Barium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:16	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:16	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:16	1
Calcium	<0.20		0.20		mg/L		12/05/24 22:15	12/06/24 19:16	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:16	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:16	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:16	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:16	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:16	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:16	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:16	1

Lab Sample ID: MB 500-798276/1-A
Matrix: Water
Analysis Batch: 798633

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/05/24 22:15	12/09/24 12:59	1
Boron	<0.050		0.050		mg/L		12/05/24 22:15	12/09/24 12:59	1

Lab Sample ID: LCS 500-798276/2-A
Matrix: Water
Analysis Batch: 798542

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0831		mg/L		83	80 - 120
Barium	2.00	1.86		mg/L		93	80 - 120
Beryllium	0.0500	0.0470		mg/L		94	80 - 120
Cadmium	0.0500	0.0465		mg/L		93	80 - 120
Calcium	10.0	8.02		mg/L		80	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Cobalt	0.500	0.479		mg/L		96	80 - 120
Lead	0.100	0.0929		mg/L		93	80 - 120
Lithium	0.500	0.505		mg/L		101	80 - 120
Molybdenum	1.00	0.883		mg/L		88	80 - 120
Selenium	0.100	0.0888		mg/L		89	80 - 120
Thallium	0.100	0.0962		mg/L		96	80 - 120

Lab Sample ID: LCS 500-798276/2-A
Matrix: Water
Analysis Batch: 798633

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.479		mg/L		96	80 - 120
Boron	1.00	0.828		mg/L		83	80 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: MB 500-798277/1-A

Matrix: Water

Analysis Batch: 798723

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/05/24 22:15	12/09/24 14:15	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:15	1
Barium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:15	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:15	1
Boron	<0.050		0.050		mg/L		12/05/24 22:15	12/09/24 14:15	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:15	1
Calcium	<0.20		0.20		mg/L		12/05/24 22:15	12/09/24 14:15	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:15	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/09/24 14:15	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/09/24 14:15	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/09/24 14:15	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/09/24 14:15	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/09/24 14:15	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/09/24 14:15	1

Lab Sample ID: LCS 500-798277/2-A

Matrix: Water

Analysis Batch: 798723

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.482		mg/L		96	80 - 120
Arsenic	0.100	0.0945		mg/L		94	80 - 120
Barium	2.00	2.03		mg/L		102	80 - 120
Beryllium	0.0500	0.0451		mg/L		90	80 - 120
Boron	1.00	0.888		mg/L		89	80 - 120
Cadmium	0.0500	0.0484		mg/L		97	80 - 120
Calcium	10.0	8.28		mg/L		83	80 - 120
Chromium	0.200	0.195		mg/L		98	80 - 120
Cobalt	0.500	0.488		mg/L		98	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Lithium	0.500	0.469		mg/L		94	80 - 120
Molybdenum	1.00	0.925		mg/L		93	80 - 120
Selenium	0.100	0.0972		mg/L		97	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: 500-260496-14 MS

Matrix: Water

Analysis Batch: 798723

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.508		mg/L		101	75 - 125
Arsenic	0.0024		0.100	0.103		mg/L		101	75 - 125
Barium	0.032		2.00	2.04		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0433		mg/L		87	75 - 125
Cadmium	<0.00050		0.0500	0.0494		mg/L		99	75 - 125
Calcium	130		10.0	137	4	mg/L		83	75 - 125
Chromium	<0.0050		0.200	0.192		mg/L		96	75 - 125
Cobalt	<0.0010		0.500	0.501		mg/L		100	75 - 125
Lead	<0.00050		0.100	0.0984		mg/L		98	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: 500-260496-14 MS

Matrix: Water

Analysis Batch: 798723

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.10		0.500	0.536		mg/L		87	75 - 125
Molybdenum	0.48		1.00	1.44		mg/L		95	75 - 125
Selenium	<0.0025		0.100	0.0909		mg/L		91	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-260496-14 MS

Matrix: Water

Analysis Batch: 798895

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	4.1		1.00	4.73	4	mg/L		64	75 - 125

Lab Sample ID: 500-260496-14 MSD

Matrix: Water

Analysis Batch: 798723

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.523		mg/L		104	75 - 125	3	20
Arsenic	0.0024		0.100	0.104		mg/L		102	75 - 125	1	20
Barium	0.032		2.00	2.05		mg/L		101	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0458		mg/L		92	75 - 125	6	20
Cadmium	<0.00050		0.0500	0.0499		mg/L		100	75 - 125	1	20
Calcium	130		10.0	144	4	mg/L		155	75 - 125	5	20
Chromium	<0.0050		0.200	0.195		mg/L		97	75 - 125	1	20
Cobalt	<0.0010		0.500	0.504		mg/L		101	75 - 125	1	20
Lead	<0.00050		0.100	0.0992		mg/L		99	75 - 125	1	20
Lithium	0.10		0.500	0.568		mg/L		93	75 - 125	6	20
Molybdenum	0.48		1.00	1.48		mg/L		100	75 - 125	3	20
Selenium	<0.0025		0.100	0.0891		mg/L		89	75 - 125	2	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	0	20

Lab Sample ID: 500-260496-14 MSD

Matrix: Water

Analysis Batch: 798895

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	4.1		1.00	5.28	4	mg/L		119	75 - 125	11	20

Lab Sample ID: 500-260496-14 DU

Matrix: Water

Analysis Batch: 798723

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0024		0.00240		mg/L		1	20
Barium	0.032		0.0305		mg/L		4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	130		125		mg/L		3	20
Chromium	<0.0050		<0.0050		mg/L		NC	20

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: 500-260496-14 DU

Matrix: Water

Analysis Batch: 798723

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	0.10		0.0973		mg/L		4	20
Molybdenum	0.48		0.466		mg/L		4	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-260496-14 DU

Matrix: Water

Analysis Batch: 798895

Client Sample ID: R32S

Prep Type: Total Recoverable

Prep Batch: 798277

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	4.1		4.05		mg/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-799155/12-A

Matrix: Water

Analysis Batch: 799341

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 799155

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 08:08	1

Lab Sample ID: LCS 500-799155/13-A

Matrix: Water

Analysis Batch: 799341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 799155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00202		mg/L		101	80 - 120

Lab Sample ID: 500-260496-10 MS

Matrix: Water

Analysis Batch: 799341

Client Sample ID: T12S

Prep Type: Total/NA

Prep Batch: 799155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000942		mg/L		94	75 - 125

Lab Sample ID: 500-260496-10 MSD

Matrix: Water

Analysis Batch: 799341

Client Sample ID: T12S

Prep Type: Total/NA

Prep Batch: 799155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.00100		mg/L		100	75 - 125	6	20

Lab Sample ID: 500-260496-10 DU

Matrix: Water

Analysis Batch: 799341

Client Sample ID: T12S

Prep Type: Total/NA

Prep Batch: 799155

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

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: MB 500-799156/12-A
Matrix: Water
Analysis Batch: 799341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 799156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/12/24 10:45	12/13/24 07:11	1

Lab Sample ID: LCS 500-799156/13-A
Matrix: Water
Analysis Batch: 799341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 799156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00203		mg/L		102	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-798788/3
Matrix: Water
Analysis Batch: 798788

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			12/11/24 07:33	1
Sulfate	<1.0		1.0		mg/L			12/11/24 07:33	1

Lab Sample ID: LCS 500-798788/4
Matrix: Water
Analysis Batch: 798788

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	18.3		mg/L		91	90 - 110
Sulfate	20.0	19.0		mg/L		95	90 - 110

Lab Sample ID: 500-260496-12 MS
Matrix: Water
Analysis Batch: 798788

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50		100	148		mg/L		98	80 - 120
Sulfate	150		100	256		mg/L		101	80 - 120

Lab Sample ID: 500-260496-12 MSD
Matrix: Water
Analysis Batch: 798788

Client Sample ID: G44S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50		100	150		mg/L		100	80 - 120	1	20
Sulfate	150		100	260		mg/L		105	80 - 120	2	20

Lab Sample ID: MB 500-798928/3
Matrix: Water
Analysis Batch: 798928

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			12/11/24 21:10	1
Sulfate	<1.0		1.0		mg/L			12/11/24 21:10	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-798928/4

Matrix: Water

Analysis Batch: 798928

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	18.5		mg/L		93	90 - 110
Sulfate	20.0	19.5		mg/L		97	90 - 110

Lab Sample ID: 500-260496-13 MS

Matrix: Water

Analysis Batch: 798928

Client Sample ID: G45S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	130		100	228		mg/L		96	80 - 120
Sulfate	160		100	261		mg/L		101	80 - 120

Lab Sample ID: 500-260496-13 MSD

Matrix: Water

Analysis Batch: 798928

Client Sample ID: G45S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		100	227		mg/L		95	80 - 120	0	20
Sulfate	160		100	256		mg/L		95	80 - 120	2	20

Lab Sample ID: MB 500-799158/3

Matrix: Water

Analysis Batch: 799158

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.0		1.0		mg/L			12/12/24 14:51	1

Lab Sample ID: LCS 500-799158/4

Matrix: Water

Analysis Batch: 799158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	100	105		mg/L		105	90 - 110

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

Lab Sample ID: MB 500-797033/1

Matrix: Water

Analysis Batch: 797033

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			11/26/24 03:19	1

Lab Sample ID: LCS 500-797033/2

Matrix: Water

Analysis Batch: 797033

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

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: 500-260496-1 MS
Matrix: GW
Analysis Batch: 797033

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	430		250	652		mg/L		90	75 - 125

Lab Sample ID: 500-260496-1 DU
Matrix: GW
Analysis Batch: 797033

Client Sample ID: G20S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	430		430		mg/L		0.9	5

Lab Sample ID: 500-260496-2 DU
Matrix: GW
Analysis Batch: 797033

Client Sample ID: R08S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	800		788		mg/L		1	5

Lab Sample ID: MB 500-797494/1
Matrix: Water
Analysis Batch: 797494

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			12/02/24 00:34	1

Lab Sample ID: LCS 500-797494/2
Matrix: Water
Analysis Batch: 797494

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	256		mg/L		102	80 - 120

Lab Sample ID: MB 500-797893/1
Matrix: Water
Analysis Batch: 797893

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			12/03/24 23:40	1

Lab Sample ID: LCS 500-797893/2
Matrix: Water
Analysis Batch: 797893

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: 500-260496-19 MS
Matrix: Water
Analysis Batch: 797893

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	870		250	1100		mg/L		91	75 - 125

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

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

Lab Sample ID: 500-260496-19 DU
Matrix: Water
Analysis Batch: 797893

Client Sample ID: T09S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	870		838		mg/L		4	5

Lab Sample ID: 500-260496-20 DU
Matrix: Water
Analysis Batch: 797893

Client Sample ID: T06S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	500		488		mg/L		3	5

Lab Sample ID: MB 500-798297/1
Matrix: Water
Analysis Batch: 798297

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			12/06/24 01:47	1

Lab Sample ID: LCS 500-798297/2
Matrix: Water
Analysis Batch: 798297

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	268		mg/L		107	80 - 120

Lab Sample ID: 500-260496-21 MS
Matrix: Water
Analysis Batch: 798297

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	990		250	1280		mg/L		118	75 - 125

Lab Sample ID: 500-260496-21 DU
Matrix: Water
Analysis Batch: 798297

Client Sample ID: T01S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	990		968		mg/L		2	5

Lab Sample ID: 500-260496-22 DU
Matrix: Water
Analysis Batch: 798297

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	760		770		mg/L		1	5

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-798114/3
Matrix: Water
Analysis Batch: 798114

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			12/03/24 14:27	1

Lab Sample ID: MB 500-798114/31
Matrix: Water
Analysis Batch: 798114

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			12/03/24 16:50	1

Lab Sample ID: LCS 500-798114/32
Matrix: Water
Analysis Batch: 798114

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

Lab Sample ID: LCS 500-798114/4
Matrix: Water
Analysis Batch: 798114

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	10.3		mg/L		103	90 - 119

Lab Sample ID: MB 500-799149/31
Matrix: Water
Analysis Batch: 799149

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			12/11/24 14:51	1

Lab Sample ID: LCS 500-799149/32
Matrix: Water
Analysis Batch: 799149

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	9.95		mg/L		100	90 - 119

Lab Sample ID: 500-260496-22 MS
Matrix: Water
Analysis Batch: 799149

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.26		5.00	5.12		mg/L		97	75 - 125

Lab Sample ID: 500-260496-22 MSD
Matrix: Water
Analysis Batch: 799149

Client Sample ID: T11S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.26		5.00	5.19		mg/L		99	75 - 125	1	20

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2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-128919-50642 1	
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofins.com		State of Origin		Page 1 of 3	
Company: Midwest Generation EME LLC		PWSID		Analysis Requested		Job #: <i>500-260496</i>		Preservation Codes: D - HNO3 N - None	
Address: 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPD - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E		Total Number of Containers		500-260496 COC 	
City: Joliet		TAT Requested (days)							
State Zip: IL, 60436		Compliance Project. ☐ Yes ☐ No							
Phone		PO #: 4502153835							
Email: james.thorne@nrg.com		WO #							
Project Name: Joliet #9 CCR		Project #: 50011504							
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)	
						Preservation Code:			
<i>G20S</i>		<i>11/20/24</i>		<i>1031</i>				Water	
<i>R08S</i>		<i>11/20/24</i>		<i>1323</i>				Water	
<i>R02S</i>								Water	
<i>G44S</i>								Water	
<i>G45S</i>								Water	
<i>G46S</i>								Water	
<i>G47S</i>								Water	
<i>G48S</i>								Water	
<i>R03S</i>								Water	
<i>G00S</i>								Water	
<i>R01P</i>								Water	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)				Special Instructions/QC Requirements					
Empty Kit Relinquished by:		Date		Time		Method of Shipment:			
Relinquished by: <i>[Signature]</i>		Date/Time: <i>11/20/24 1444</i>		Company: <i>EETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>11/20/24 1444</i> Company: <i>EETA</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: Company:	
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: <i>1.7 → 1.4 48 QT</i>					

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2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-128919-50642 3	
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin		Page Page 3 of 3	
Company Midwest Generation EME LLC				PWSID		Analysis Requested			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E		Total Number of Containers		Job # <i>500-260496</i>	
City Joliet		TAT Requested (days)						Preservation Codes. D HNO3 N None	
State, Zip IL, 60436		Compliance Project. ☐ Yes ☐ No						Other:	
Phone		PO #: 4502153835							
Email james.thorne@nrg.com		WO #							
Project Name Joliet #9 CCR		Project # 50011504							
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)	Preservation Code:		Special Instructions/Note:	
~~T418~~	<i>G305</i>	<i>11/25/24</i>	<i>1028</i>		Water				
~~G398~~	<i>G465</i>	<i>11/25/24</i>	<i>1304</i>		Water				
	<i>T125</i>	<i>11/25/24</i>	<i>1358</i>						
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested I, II, III, IV, Other (specify) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements									
Empty Kit Relinquished by		Date		Time		Method of Shipment.			
Relinquished by: <i>92</i>		Date/Time: <i>11/25/24 1505</i>		Company: <i>EETA</i>		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by: <i>Denise K...</i>		Date/Time: <i>11/25/24 15:06</i>	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) <i>3.8 - 3.6</i> and Other Remarks					

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Noe L, Tristan B.</u>		Lab PM: Mockler, Diana J										
Client Contact: James Thorne		Phone:		E-Mail: Diana.Mockler@et.eurofinsus.com										
Company: Midwest Generation EME LLC		PWSID:		Analysis R: 500-260496 COC										
Address: 1800 Channahon Road		Due Date Requested:												
City: Joliet		TAT Requested (days):												
State Zip: IL, 60436		Compliance Project: ☐ Yes ☐ No												
Phone:		PO #: 4502153835												
Email: james.thorne@nrg.com		WO #:												
Project Name: Joliet #9 CCR		Project #: 50011504		Job #: 500-260496										
Site: Illinois		SSOW#:		Preservation Codes: D HNO3 N None										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	Ra226Ra228 - GPPC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F, C, SM4500, Cl, E, SM4500, SO4_E	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	D	D	N		
11	R008	6395	11/26/24	1028	Water			/	/	/	/	/	5	
12	R205	6445	11/26/24	1120	Water			/	/	/	/	/	5	
13	R023	6455	11/26/24	1256	Water			/	/	/	/	/	5	
14	G443	R325	11/26/24	1354	Water			/	/	/	/	/	5	
	G458				Water									
	G465				Water									
	G479				Water									
	G485				Water									
	T03S				Water									
	G308				Water									
	DUP				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>[Signature]</u>			Date/Time: 11/26/24 1510		Company: EETA		Received by: <u>Stephen Hemond</u>			Date/Time: 11/26/24 1510		Company: EETA		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 2.2 → 2.1 480T										

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Ver. 10/10/2024
12/13/2024

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No. 500-128919-50842 1			
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofins.com		State of Origin.		Page Page 1 of 3			
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-260496</i>	
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra226Ra228 GFPC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE, SM4500_SO4_E Total Number of Containers						Preservation Codes: D HNO3 N None	
City Joliet		TAT Requested (days)								Other	
State, Zip: IL, 60436		Compliance Project. ☐ Yes ☐ No									
Phone 500-260496 COC		PO #: 4502153835									
Email james.thorne@nrg.com		WO #									
Project Name Joliet #9 CCR		Project # 50011504									
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)		Special Instructions/Note:	
						Preservation Code					
<i>19</i> <i>20</i> R08S <i>T09S</i>		<i>12/03/24</i>		<i>1143</i>				Water		<i>5</i>	
G20S <i>T06S</i>		<i>12/03/24</i>		<i>1328</i>				Water		<i>5</i>	
R32S								Water			
G44S								Water			
G46S								Water			
G46S								Water			
G47S								Water			
G48S								Water			
T09S								Water			
G30S								Water			
DUP								Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements	
Empty Kit Relinquished by				Date		Time		Method of Shipment:			
Relinquished by: <i>[Signature]</i>				Date/Time <i>12/03/24 1510</i>		Company <i>EEPA</i>		Received by: <i>[Signature]</i> Date/Time <i>12/3/24 1510</i> Company <i>EEPA</i>			
Relinquished by:				Date/Time		Company		Received by: Date/Time Company			
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 <i>3.4 → 3.3 48QT</i>							

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM: Mockler, Diana J		COC No: 500-128919-50642 2	
Client Contact: James Thorne		Phone		E-Mail: Diana.Mockler@et.eurofins.com		Page: Page 2 of 3	
Company: Midwest Generation EME LLC		PWSID		Analysis Req: 500-260496 COC		Job #: 500-260496	
Address: 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		Preservation Codes: D HNO3 N None	
City: Joliet		TAT Requested (days)					
State Zip: IL, 60436		Compliance Project ☐ Yes ☐ No					
Phone		PO #: 4502153835					
Email: james.thorne@nrg.com		WO #					
Project Name: Joliet #9 CCR		Project #: 50011504		Total Number of containers		Special Instructions/Note:	
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)		Preservation Code					
21 ~~0313~~		12/04/24 1026		Water		5	
22 ~~0335~~		12/04/24 1235		Water		5	
23 ~~0418~~		12/04/24 1412		Water		5	
~~0426~~				Water			
~~0445~~				Water			
~~0458~~				Water			
~~0465~~				Water			
~~0485~~				Water			
~~0496~~				Water			
~~0426~~				Water			
~~0436~~				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: <i>[Signature]</i>		Date/Time: 12/04/24 c 1555		Company: EETH		Received by: <i>[Signature]</i> Date/Time: 12/17/24 1535 Company: EETH	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time: Company:	
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: 3.1 → 3.0 48QT			

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260496-1

Login Number: 260496

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	1.4,2.7,2.3, 3.8,2.1,3.3,3.3,3.0
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: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G20S

Date Collected: 11/20/24 10:31

Date Received: 11/20/24 14:44

Lab Sample ID: 500-260496-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 19:56
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 13:39
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:13
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 15:58
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:24
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:53
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/20/24 10:31

Client Sample ID: R08S

Date Collected: 11/20/24 13:23

Date Received: 11/20/24 14:44

Lab Sample ID: 500-260496-2

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:03
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798633	RN	EET CHI	12/09/24 13:42
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:15
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 16:14
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:31
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:59
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/20/24 13:23

Client Sample ID: G31S

Date Collected: 11/21/24 10:11

Date Received: 11/21/24 13:05

Lab Sample ID: 500-260496-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:06
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 13:44
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:17
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 16:30
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:37
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:04
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/21/24 10:11

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Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G33S

Date Collected: 11/21/24 11:31

Date Received: 11/21/24 13:05

Lab Sample ID: 500-260496-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:08
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 13:47
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:19
Total/NA	Analysis	300.0		5	798788	MM	EET CHI	12/11/24 16:45
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:39
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:09
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/21/24 11:31

Client Sample ID: G47S

Date Collected: 11/22/24 11:08

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:11
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798633	RN	EET CHI	12/09/24 13:49
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:21
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 17:01
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:42
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:14
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/22/24 11:08

Client Sample ID: G48S

Date Collected: 11/22/24 12:20

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:14
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798633	RN	EET CHI	12/09/24 13:52
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:23
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 17:16
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:44
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:30
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/22/24 12:20

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Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T13S

Date Collected: 11/22/24 14:00

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:16
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 13:59
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:30
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 17:32
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:47
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:35
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/22/24 14:00

Client Sample ID: G30S

Date Collected: 11/25/24 10:28

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-8

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:19
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 14:02
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:32
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 17:47
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:50
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:40
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/25/24 10:28

Client Sample ID: G46S

Date Collected: 11/25/24 13:04

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-9

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:21
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		10	798633	RN	EET CHI	12/09/24 14:05
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:34
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 18:34
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:52
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 16:45
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/25/24 13:04

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T12S

Date Collected: 11/25/24 13:58

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:24
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798633	RN	EET CHI	12/09/24 14:07
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:36
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 18:50
Total/NA	Analysis	SM 2540C		1	797033	CLB	EET CHI	11/26/24 03:55
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 17:02
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/25/24 13:58

Client Sample ID: G39S

Date Collected: 11/26/24 10:28

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:26
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 14:10
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:44
Total/NA	Analysis	300.0		5	798788	MM	EET CHI	12/11/24 19:05
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:39
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 17:06
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/26/24 10:28

Client Sample ID: G44S

Date Collected: 11/26/24 11:20

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 20:34
Total Recoverable	Prep	3005A			798276	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798633	RN	EET CHI	12/09/24 14:12
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:47
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 19:21
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:41
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 17:11
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/26/24 11:20

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: G45S

Date Collected: 11/26/24 12:56

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 15:18
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:32
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 08:49
Total/NA	Analysis	300.0		10	798928	MM	EET CHI	12/11/24 21:41
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:44
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 17:15
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/26/24 12:56

Client Sample ID: R32S

Date Collected: 11/26/24 13:54

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:20
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798895	RN	EET CHI	12/10/24 12:52
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:02
Total/NA	Analysis	300.0		20	798928	MM	EET CHI	12/11/24 22:28
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:46
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 15:57
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/26/24 13:54

Client Sample ID: T02S

Date Collected: 11/27/24 10:14

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:38
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:05
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:04
Total/NA	Analysis	300.0		20	798928	MM	EET CHI	12/11/24 22:44
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:49
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:07
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/27/24 10:14

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T08S

Date Collected: 11/27/24 12:34

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:40
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798895	RN	EET CHI	12/10/24 13:07
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:06
Total/NA	Analysis	300.0		20	798928	MM	EET CHI	12/11/24 22:59
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:52
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:15
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/27/24 12:34

Client Sample ID: T03S

Date Collected: 11/27/24 14:14

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:50
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:10
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:08
Total/NA	Analysis	300.0		10	798928	MM	EET CHI	12/11/24 23:15
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:54
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:27
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/27/24 14:14

Client Sample ID: T03S DUP

Date Collected: 11/27/24 14:14

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:53
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:12
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:11
Total/NA	Analysis	300.0		10	798928	MM	EET CHI	12/11/24 23:30
Total/NA	Analysis	SM 2540C		1	797494	CLB	EET CHI	12/02/24 00:57
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:31
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	11/27/24 14:14

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T09S

Date Collected: 12/03/24 11:43

Date Received: 12/03/24 15:10

Lab Sample ID: 500-260496-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:56
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:20
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:13
Total/NA	Analysis	300.0		20	798928	MM	EET CHI	12/12/24 00:17
Total/NA	Analysis	SM 2540C		1	797893	CLB	EET CHI	12/03/24 23:55
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:37
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	12/03/24 11:43

Client Sample ID: T06S

Date Collected: 12/03/24 13:28

Date Received: 12/03/24 15:10

Lab Sample ID: 500-260496-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 14:58
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:22
Total/NA	Prep	7470A			799155	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 09:15
Total/NA	Analysis	300.0		5	798928	MM	EET CHI	12/12/24 00:33
Total/NA	Analysis	SM 2540C		1	797893	CLB	EET CHI	12/04/24 00:03
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:45
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	12/03/24 13:28

Client Sample ID: T01S

Date Collected: 12/04/24 10:26

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 15:01
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		5	798895	RN	EET CHI	12/10/24 13:25
Total/NA	Prep	7470A			799156	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 07:16
Total/NA	Analysis	300.0		20	798928	MM	EET CHI	12/12/24 00:49
Total/NA	Analysis	SM 2540C		1	798297	CLB	EET CHI	12/06/24 01:52
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 16:54
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	12/04/24 10:26

Eurofins Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Client Sample ID: T11S

Date Collected: 12/04/24 12:35

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 15:08
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798895	RN	EET CHI	12/10/24 13:27
Total/NA	Prep	7470A			799156	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 07:18
Total/NA	Analysis	300.0		10	798928	MM	EET CHI	12/12/24 01:04
Total/NA	Analysis	SM 2540C		1	798297	CLB	EET CHI	12/06/24 01:59
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 17:13
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	12/04/24 12:35

Client Sample ID: T05S

Date Collected: 12/04/24 14:12

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798723	RN	EET CHI	12/09/24 15:11
Total Recoverable	Prep	3005A			798277	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		10	798895	RN	EET CHI	12/10/24 13:30
Total/NA	Prep	7470A			799156	MJG	EET CHI	12/12/24 10:45 - 12/12/24 12:45 ¹
Total/NA	Analysis	7470A		1	799341	MJG	EET CHI	12/13/24 07:20
Total/NA	Analysis	300.0		5	798928	MM	EET CHI	12/12/24 01:20
Total/NA	Analysis	300.0		50	799158	MB	EET CHI	12/12/24 18:55
Total/NA	Analysis	SM 2540C		1	798297	CLB	EET CHI	12/06/24 02:05
Total/NA	Analysis	SM 4500 F C		1	799149	SO	EET CHI	12/11/24 17:38
Total/NA	Analysis	Field Sampling		1	796759	JVB	EET CHI	12/04/24 14:12

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

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR 4Q24

Job ID: 500-260496-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25

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



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/20/24 Start Purge: 1013 End Purge: 1031
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.49 7.51 7.51 (std.)
Ref. Measuring Pt. TIC SC 711 710 710 (umhos/cm)
Well Elevation *580.79 (ft./msl) Temp. 15.26 15.29 15.29 (°C)
Water Level 60.62 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.17 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 46°F, Mostly Sunny, SW winds @ 5-10 mph
Turbidity: 0.77 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 60.62 - 2.78 = 57.84 (ft.)
Levels were taken on 11/20/24 @ 1003

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/20/24 Start Purge: 1308 End Purge: 1323
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.88 7.86 7.86 (std.)
Ref. Measuring Pt. TIC SC 1066 1070 1070 (umhos/cm)
Well Elevation *578.64 (ft./msl) Temp. 12.51 12.52 12.52 (°C)
Water Level 73.30 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.34 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 48°F, Mostly Cloudy, SW winds e 5-10 mph
Turbidity: 0.41 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 73.30 - 2.55 = 70.75 (ft.)
Levels were taken on 11/20/24 @ 1303

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260490-3

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/21/24 Start Purge: 0954 End Purge: 1011
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.77

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.23 7.24 7.24 (std.)
Ref. Measuring Pt. TIC SC 1730 1740 1740 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 12.27 12.41 12.41 (°C)
Water Level 30.75 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.92 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 32°F, Light Snow, W winds e 5-10 mph
Turbidity: 0.62 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 30.75 - 2.58 = 28.17 (ft.)
Levels were taken on 11/21/24 @ 0945

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-4

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/21/24 Start Purge: 1110 End Purge: 1131
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.54

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.49 7.50 7.50 (std.)
Ref. Measuring Pt. TIC SC 735 737 737 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 10.73 10.80 10.80 (°C)
Water Level 34.71 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.96 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 32°F, Snow, W winds e 5-10 mph
Turbidity: 83.90 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 34.71 - 1.73 = 32.98 (ft.)
Levels were taken on 11/21/24 @ 1100

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-200496-5

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1050 End Purge: 1108
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 8.43 8.44 8.44 (std.)
Ref. Measuring Pt. TIC SC 1600 1600 1600 (umhos/cm)
Well Elevation *612.16 (ft./msl) Temp. 11.39 11.39 11.39 (°C)
Water Level 94.99 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 517.17 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 45°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 0.77 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.99 - 2.50 = 92.49 (ft.)
Levels were taken on 11/22/24 @ 1045

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-6

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1202 End Purge: 1220
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 7.76 7.74 7.74 (std.)
Ref. Measuring Pt. TIC SC 1530 1520 1520 (umhos/cm)
Well Elevation *620.73 (ft./msl) Temp. 11.76 11.76 11.76 (°C)
Water Level 105.00 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 515.73 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 46°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 0.88 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 105.00 - 2.45 = 102.55 (ft.)
Levels were taken on 11/22/24 @ 1157

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-7

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1350 End Purge: 1400
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.43 7.42 7.42 (std.)
Ref. Measuring Pt. TIC SC 962 964 964 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 13.68 13.65 13.65 (°C)
Water Level 20.58 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.75 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Strong Odor
Weather Conditions: 46°F, Cloudy, NW winds e 0-5 mph
Turbidity: 4.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 20.58 - 2.76 = 17.82 (ft.)
Levels were taken on 11/22/24 @ 1345.
* Total Depth: 73.12 (ft)

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-8

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1010 End Purge: 1028
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.74 7.75 7.75 (std.)
Ref. Measuring Pt. TIC SC 1960 1950 1950 (umhos/cm)
Well Elevation *524.78 (ft./msl) Temp. 11.28 11.28 11.28 (°C)
Water Level 1.79 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 522.99 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 52°F, Mostly Cloudy, NW winds 0-5 mph
Turbidity: 0.88 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.79 - 2.31 = -0.52 (ft.)
Levels were taken on 11/25/24 @ 1000

(Updated 10/23/2024)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-9

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1250 End Purge: 1304
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.52 7.53 7.53 (std.)
Ref. Measuring Pt. TIC SC 1357 1355 1355 (umhos/cm)
Well Elevation *601.32 (ft./msl) Temp. 12.52 12.52 12.52 (°C)
Water Level 108.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.60 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 51°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 59.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 108.72 - 2.70 = 106.02 (ft.)
Levels were taken on 11/25/24 @ 1245

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-10

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y)
Sampling Bladder Pump Dedicated (Y)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1346 End Purge: 1358
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 578.73 (ft./msl)
Water Level 77.14 (ft.)
Ground Water Elev. 501.59 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

	1st	2nd	Final	
pH	<u>7.48</u>	<u>7.47</u>	<u>7.47</u>	(std.)
SC	<u>1045</u>	<u>1048</u>	<u>1048</u>	(umhos/cm)
Temp.	<u>12.33</u>	<u>12.33</u>	<u>12.33</u>	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Dark Tan, Moderate Turbidity, No Odor
Weather Conditions: 50°F, Cloudy, NW winds e 5-10 mph
Turbidity: 80.30 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 77.14 - 2.74 = 74.40 (ft.)
Levels were taken on 11/25/24 @ 1341
* Total Depth: 126.5 (ft)

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-11

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1010 End Purge: 1028
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 7.19 7.21 7.21 (std.)
Ref. Measuring Pt. TIC SC 739 740 740 (umhos/cm)
Well Elevation *598.74 (ft./msl) Temp. 10.17 10.18 10.18 (°C)
Water Level 99.79 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 498.95 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 32°F, Sunny, W winds 0-5 mph
Turbidity 3.67 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 99.79 - 2.08 = 97.71 (ft.)
Levels were taken on 11/26/24 @ 1000

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-12

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1105 End Purge: 1120
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.13 7.14 7.14 (std.)
Ref. Measuring Pt. TIC SC 1133 1136 1136 (umhos/cm)
Well Elevation *586.62 (ft./msl) Temp. 11.49 11.49 11.49 (°C)
Water Level 85.84 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.78 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 34°F, Mostly Sunny, W winds E 5-10 mph
Turbidity: 57.60 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 85.84 - 2.18 = 83.66 (ft.)
Levels were taken on 11/26/24 @ 1100

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-13

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1240 End Purge: 1256
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH 7.31 7.31 7.31 (std.)
Ref. Measuring Pt. TIC SC 1132 1138 1138 (umhos/cm)
Well Elevation *603.81 (ft./msl) Temp. 13.32 13.28 13.28 (°C)
Water Level 64.57 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 539.24 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 36°F, Sunny, W winds @ 0-5 mph
Turbidity: 1.75 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.57 - 2.97 = 61.60 (ft.)
Levels were taken on 11/26/24 @ 1235.

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2104916-14

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1335 End Purge: 1354
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.57 7.57 7.57 (std.)
Ref. Measuring Pt. TIC SC 992 993 993 (umhos/cm)
Well Elevation *537.04 (ft./msl) Temp. 11.69 11.75 11.75 (°C)
Water Level 24.88 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 512.16 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 37°F, Sunny, SW winds e 0-5 mph
Turbidity: 2.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 24.88 - 2.03 = 22.85 (ft.)
Levels were taken on 11/26/24 @ 1330

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-210491e-15

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 0955 End Purge: 1014
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.65 7.64 7.64 (std.)
Ref. Measuring Pt. TIC SC 1053 1049 1049 (umhos/cm)
Well Elevation * 626.14 (ft./msl) Temp. 10.59 10.58 10.58 (°C)
Water Level 137.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 488.42 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 40°F, Mostly Cloudy, SE winds 0-5 mph
Turbidity: 179.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 137.72 - 2.33 = 135.39 (ft.)
Levels were taken on 11/27/24 @ 0940
* Total Depth = 172.75

(Updated: 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-262496-16

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y/N) (N)
Sampling Bladder Pump Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 1212 End Purge: 1234
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.57 8.37 8.37 (std.)
Ref. Measuring Pt. TIC SC 1380 1373 1373 (umhos/cm)
Well Elevation * 627.43 (ft./msl) Temp. 10.48 10.47 10.47 (°C)
Water Level 132.52 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 494.91 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 43°F, Cloudy, SE winds @ 0-5 mph
Turbidity: 1.29 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 132.52 - 2.38 = 130.14 (ft.)
Levels were taken on 11/27/24 @ 1157
* Total Deth = 180.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 502-260496-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 1356 End Purge: 1414
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.52 7.52 7.52 (std.)
Ref. Measuring Pt. TIC SC 1153 1160 1160 (umhos/cm)
Well Elevation * 629.73 (ft./msl) Temp. 11.80 11.81 11.81 (°C)
Water Level 141.54 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 488.19 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 43°F, Cloudy, E winds @ 0-5 mph
Turbidity: 0.99 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 141.54 - 3.08 = 138.46 (ft)
Levels were taken on 11/27/24 @ 1351
* Total Depth = 172.95

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: _____ End Purge: _____
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation * 629.73 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____
* Total Depth = 172.95
(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/03/24 Start Purge: 1125 End Purge: 1143
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.78 7.80 7.80 (std.)
Ref. Measuring Pt. TIC SC 1174 1176 1176 (umhos/cm)
Well Elevation * 603.49 (ft./msl) Temp. 9.34 9.35 9.35 (°C)
Water Level 110.78 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.71 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 27°F, Sunny, SW winds e 0-5 mph
Turbidity: 18.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 110.78 - 2.40 = 108.38 (ft.)
Levels were taken on 12/03/24 @ 1110
* Total Depth: 158.59

(Updated 10/23/2024)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/03/24 Start Purge: 1313 End Purge: 1328
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.35 7.34 7.34 (std.)
Ref. Measuring Pt. TIC SC 785 778 778 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 7.90 7.89 7.89 (°C)
Water Level 119.62 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.43 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 29°F Partly Sunny, SW winds e 5-10 mph
Turbidity: 0.54 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 119.62 - 2.30 = 117.32 (ft.)
Levels were taken on 12/03/24 @ 1258
* Total Deth = 173.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2604910-21

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1010 End Purge: 1026
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.21

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.74 7.75 7.75 (std.)
Ref. Measuring Pt. TIC SC 1464 1467 1467 (umhos/cm)
Well Elevation * 621.83 (ft./msl) Temp. 5.85 5.85 5.85 (°C)
Water Level 126.06 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 495.77 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, High Turbidity, Slight Odor
Weather Conditions: 36°F, Sunny, SW winds 5-10 mph
Turbidity: 355.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.06 - 2.48 = 123.58 (ft)
Levels were taken on 12/04/24 @ 0955.
* Total Depth = 170.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2604910-22

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1215 End Purge: 1235
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.77 7.76 7.76 (std.)
Ref. Measuring Pt. TIC SC 937 933 933 (umhos/cm)
Well Elevation * 559.40 (ft./msl) Temp. 10.67 10.67 10.67 (°C)
Water Level 76.23 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 483.17 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 36°F, Cloudy, W winds e 5-10 mph
Turbidity 28.60 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 76.23 - 2.74 = 73.49 (ft.)
Levels were taken on 12/04/24 @ 1200
* Total Depth: 113.76

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2104910-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1355 End Purge: 1412
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 8.70 8.71 8.71 (std.)
Ref. Measuring Pt. TIC SC 2320 2320 2320 (umhos/cm)
Well Elevation * 623.41 (ft./msl) Temp. 6.76 6.76 6.76 (°C)
Water Level 126.32 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 497.09 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 40°F, Cloudy, W winds e 5-10 mph
Turbidity: 3.72 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.32 - 2.40 = 123.92 (ft.)
Levels were taken on 12/04/24 @ 1340
* Total Deth = 175.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/9/2025 6:17:43 PM

JOB DESCRIPTION

Joliet #9 (Quarry) CCR (RAD) 4Q24

JOB NUMBER

500-260496-2

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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Authorized for release by
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Case Narrative

Client: KPRG and Associates, Inc.
Project: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Job ID: 500-260496-2

Eurofins Chicago

Job Narrative 500-260496-2

Receipt

The samples were received on 11/20/24 14:44. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.4° C, 2.1° C, 2.3° C, 2.7° C, 3.0° C, 3.3° C, 3.3° C and 3.8° C.

RAD

Method 904.0: Radium-228 prep batch 160-691391:

The MDC for the following sample is flagged as failing; The laboratory considers the detection goal (requested limit) met when rounding to the appropriate place value. G30S (500-260496-8)

Methods 904.0, 9320: Radium-228 prep batch 160-691391:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: T12S (500-260496-10) . Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 Prep Batch 160-694363:

The laboratory control sample (LCS) associated with the following samples recovered at 145%: G39S (500-260496-11), G44S (500-260496-12), G45S (500-260496-13), R32S (500-260496-14), T02S (500-260496-15), T08S (500-260496-16), T03S (500-260496-17), T03S DUP (500-260496-18), T09S (500-260496-19), T06S (500-260496-20) and (500-260496-D-12-B DU). 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 (74-146%). The LCS is within criteria and no further action is required.

Method 904.0: Radium-228 Prep Batch 160-694363:

The detection goal was not met for the following sample due to insufficient sample available for analysis: T02S (500-260496-15). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 Prep Batch 160-694363:

The detection goal was not met for the following sample due to the reduction of sample size required by the presence of matrix interferences (discoloration, turbidity): T02S (500-260496-15). Analytical results are reported with the detection limit achieved.

Methods 904.0, 9320: Radium-228 prep batch 160-692619:

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: T01S (500-260496-21) and T05S (500-260496-23) . Analytical results are reported with the detection limit achieved.

Method PrecSep_0: Radium-228 prep batch 160-692619

Insufficient sample volume was available to perform a sample duplicate for the following sample: T11S (500-260496-22). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 prep batch 160-692618

Insufficient sample volume was available to perform a sample duplicate for the following sample: T11S (500-260496-22). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-260496-1	G20S	GW	11/20/24 10:31	11/20/24 14:44
500-260496-2	R08S	GW	11/20/24 13:23	11/20/24 14:44
500-260496-3	G31S	Water	11/21/24 10:11	11/21/24 13:05
500-260496-4	G33S	Water	11/21/24 11:31	11/21/24 13:05
500-260496-5	G47S	Water	11/22/24 11:08	11/22/24 15:12
500-260496-6	G48S	Water	11/22/24 12:20	11/22/24 15:12
500-260496-7	T13S	Water	11/22/24 14:00	11/22/24 15:12
500-260496-8	G30S	GW	11/25/24 10:28	11/25/24 15:06
500-260496-9	G46S	GW	11/25/24 13:04	11/25/24 15:06
500-260496-10	T12S	Water	11/25/24 13:58	11/25/24 15:06
500-260496-11	G39S	Water	11/26/24 10:28	11/26/24 15:10
500-260496-12	G44S	Water	11/26/24 11:20	11/26/24 15:10
500-260496-13	G45S	Water	11/26/24 12:56	11/26/24 15:10
500-260496-14	R32S	Water	11/26/24 13:54	11/26/24 15:10
500-260496-15	T02S	Water	11/27/24 10:14	11/27/24 15:47
500-260496-16	T08S	Water	11/27/24 12:34	11/27/24 15:47
500-260496-17	T03S	Water	11/27/24 14:14	11/27/24 15:47
500-260496-18	T03S DUP	Water	11/27/24 14:14	11/27/24 15:47
500-260496-19	T09S	Water	12/03/24 11:43	12/03/24 15:10
500-260496-20	T06S	Water	12/03/24 13:28	12/03/24 15:10
500-260496-21	T01S	Water	12/04/24 10:26	12/04/24 15:55
500-260496-22	T11S	Water	12/04/24 12:35	12/04/24 15:55
500-260496-23	T05S	Water	12/04/24 14:12	12/04/24 15:55

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G20S

Lab Sample ID: 500-260496-1

Date Collected: 11/20/24 10:31

Matrix: GW

Date Received: 11/20/24 14:44

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	1.12		0.208	0.231	1.00	0.124	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/27/24 08:06	12/23/24 06:58	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	0.892		0.458	0.465	1.00	0.644	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	75.1		30 - 110					11/27/24 08:14	12/17/24 11:27	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	2.01		0.503	0.519	5.00	0.644	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: R08S

Lab Sample ID: 500-260496-2

Date Collected: 11/20/24 13:23

Matrix: GW

Date Received: 11/20/24 14:44

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	0.576		0.156	0.164	1.00	0.121	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/27/24 08:06	12/23/24 06:58	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	0.853		0.455	0.461	1.00	0.640	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	78.1		30 - 110					11/27/24 08:14	12/17/24 11:27	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	1.43		0.481	0.489	5.00	0.640	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G31S

Lab Sample ID: 500-260496-3

Date Collected: 11/21/24 10:11

Matrix: Water

Date Received: 11/21/24 13:05

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	1.98		0.295	0.344	1.00	0.175	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					11/27/24 08:06	12/23/24 06:58	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	1.87		0.604	0.628	1.00	0.758	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	80.4		30 - 110					11/27/24 08:14	12/17/24 11:27	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	3.85		0.672	0.716	5.00	0.758	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G33S

Lab Sample ID: 500-260496-4

Date Collected: 11/21/24 11:31

Matrix: Water

Date Received: 11/21/24 13:05

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	0.466		0.175	0.180	1.00	0.181	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/27/24 08:06	12/23/24 06:58	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	<0.836	U	0.336	0.340	1.00	0.836	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	80.7		30 - 110					11/27/24 08:14	12/17/24 11:27	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	<0.836	U	0.379	0.385	5.00	0.836	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G47S

Lab Sample ID: 500-260496-5

Date Collected: 11/22/24 11:08

Matrix: Water

Date Received: 11/22/24 15:12

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	0.647		0.180	0.189	1.00	0.159	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/27/24 08:06	12/23/24 06:58	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	<0.652	U	0.347	0.347	1.00	0.652	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	83.7		30 - 110					11/27/24 08:14	12/17/24 11:27	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	<0.652	U	0.391	0.395	5.00	0.652	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G48S

Lab Sample ID: 500-260496-6

Date Collected: 11/22/24 12:20

Matrix: Water

Date Received: 11/22/24 15:12

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	0.949		0.191	0.209	1.00	0.123	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					11/27/24 08:06	12/23/24 06:58	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	1.12		0.447	0.459	1.00	0.582	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	80.4		30 - 110					11/27/24 08:14	12/17/24 11:27	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	2.06		0.486	0.504	5.00	0.582	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T13S

Lab Sample ID: 500-260496-7

Date Collected: 11/22/24 14:00

Matrix: Water

Date Received: 11/22/24 15:12

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	0.736		0.170	0.183	1.00	0.136	pCi/L	11/27/24 08:06	12/23/24 06:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					11/27/24 08:06	12/23/24 06:58	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	<0.586	U	0.389	0.392	1.00	0.586	pCi/L	11/27/24 08:14	12/17/24 11:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					11/27/24 08:14	12/17/24 11:27	1
Y Carrier	81.1		30 - 110					11/27/24 08:14	12/17/24 11:27	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	1.32		0.425	0.433	5.00	0.586	pCi/L		12/27/24 13:38	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G30S

Lab Sample ID: 500-260496-8

Date Collected: 11/25/24 10:28

Matrix: GW

Date Received: 11/25/24 15:06

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	0.839		0.177	0.192	1.00	0.122	pCi/L	12/02/24 08:05	12/26/24 16:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					12/02/24 08:05	12/26/24 16:31	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	1.78	G	0.766	0.784	1.00	1.04	pCi/L	12/02/24 08:10	12/18/24 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					12/02/24 08:10	12/18/24 14:48	1
Y Carrier	73.3		30 - 110					12/02/24 08:10	12/18/24 14:48	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	2.62		0.786	0.807	5.00	1.04	pCi/L		01/09/25 16:39	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G46S

Lab Sample ID: 500-260496-9

Date Collected: 11/25/24 13:04

Matrix: GW

Date Received: 11/25/24 15:06

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	1.07		0.195	0.217	1.00	0.117	pCi/L	12/02/24 08:05	12/26/24 16:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					12/02/24 08:05	12/26/24 16:31	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	1.49		0.654	0.668	1.00	0.866	pCi/L	12/02/24 08:10	12/18/24 14:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					12/02/24 08:10	12/18/24 14:48	1
Y Carrier	75.9		30 - 110					12/02/24 08:10	12/18/24 14:48	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	2.56		0.682	0.702	5.00	0.866	pCi/L		01/09/25 16:39	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T12S

Lab Sample ID: 500-260496-10

Date Collected: 11/25/24 13:58

Matrix: Water

Date Received: 11/25/24 15:06

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	1.81		0.347	0.383	1.00	0.180	pCi/L	12/02/24 08:05	12/26/24 16:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					12/02/24 08:05	12/26/24 16:31	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	<1.48	U G	0.823	0.823	1.00	1.48	pCi/L	12/02/24 08:10	12/18/24 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					12/02/24 08:10	12/18/24 14:49	1
Y Carrier	81.1		30 - 110					12/02/24 08:10	12/18/24 14:49	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	2.08		0.893	0.908	5.00	1.48	pCi/L		01/09/25 16:39	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G39S

Lab Sample ID: 500-260496-11

Date Collected: 11/26/24 10:28

Matrix: Water

Date Received: 11/26/24 15:10

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	0.414		0.121	0.126	1.00	0.0992	pCi/L	12/18/24 14:02	01/09/25 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.8		30 - 110					12/18/24 14:02	01/09/25 08:01	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	<0.661	U	0.433	0.436	1.00	0.661	pCi/L	12/18/24 14:13	12/27/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.8		30 - 110					12/18/24 14:13	12/27/24 11:44	1
Y Carrier	79.6		30 - 110					12/18/24 14:13	12/27/24 11:44	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	1.01		0.450	0.454	5.00	0.661	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G44S

Lab Sample ID: 500-260496-12

Date Collected: 11/26/24 11:20

Matrix: Water

Date Received: 11/26/24 15:10

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	0.598		0.140	0.150	1.00	0.0973	pCi/L	12/18/24 14:02	01/09/25 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					12/18/24 14:02	01/09/25 08:01	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	0.803		0.470	0.475	1.00	0.687	pCi/L	12/18/24 14:13	12/27/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					12/18/24 14:13	12/27/24 11:44	1
Y Carrier	77.0		30 - 110					12/18/24 14:13	12/27/24 11:44	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	1.40		0.490	0.498	5.00	0.687	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G45S

Lab Sample ID: 500-260496-13

Date Collected: 11/26/24 12:56

Matrix: Water

Date Received: 11/26/24 15:10

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	1.29		0.198	0.229	1.00	0.0995	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					12/18/24 14:02	01/09/25 08:03	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	1.01		0.468	0.477	1.00	0.636	pCi/L	12/18/24 14:13	12/27/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					12/18/24 14:13	12/27/24 11:44	1
Y Carrier	77.8		30 - 110					12/18/24 14:13	12/27/24 11:44	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	2.30		0.508	0.529	5.00	0.636	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: R32S

Lab Sample ID: 500-260496-14

Date Collected: 11/26/24 13:54

Matrix: Water

Date Received: 11/26/24 15:10

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	1.25		0.195	0.225	1.00	0.0946	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					12/18/24 14:02	01/09/25 08:03	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	0.832		0.436	0.443	1.00	0.615	pCi/L	12/18/24 14:13	12/27/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					12/18/24 14:13	12/27/24 11:44	1
Y Carrier	77.4		30 - 110					12/18/24 14:13	12/27/24 11:44	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	2.08		0.478	0.497	5.00	0.615	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T02S

Lab Sample ID: 500-260496-15

Date Collected: 11/27/24 10:14

Matrix: Water

Date Received: 11/27/24 15:47

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	0.977		0.231	0.247	1.00	0.124	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.5		30 - 110					12/18/24 14:02	01/09/25 08:03	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	U G	0.750	0.756	1.00	1.16	pCi/L	12/18/24 14:13	12/27/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.5		30 - 110					12/18/24 14:13	12/27/24 11:44	1
Y Carrier	80.7		30 - 110					12/18/24 14:13	12/27/24 11:44	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	1.94		0.785	0.795	5.00	1.16	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T08S

Lab Sample ID: 500-260496-16

Date Collected: 11/27/24 12:34

Matrix: Water

Date Received: 11/27/24 15:47

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	0.296		0.104	0.107	1.00	0.0964	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					12/18/24 14:02	01/09/25 08:03	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	0.370	0.370	1.00	0.668	pCi/L	12/18/24 14:13	12/27/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					12/18/24 14:13	12/27/24 11:47	1
Y Carrier	74.8		30 - 110					12/18/24 14:13	12/27/24 11:47	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	0.384	0.385	5.00	0.668	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T03S

Lab Sample ID: 500-260496-17

Date Collected: 11/27/24 14:14

Matrix: Water

Date Received: 11/27/24 15:47

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	0.644		0.147	0.158	1.00	0.108	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					12/18/24 14:02	01/09/25 08:03	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	0.338	0.340	1.00	0.535	pCi/L	12/18/24 14:13	12/27/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					12/18/24 14:13	12/27/24 11:47	1
Y Carrier	79.6		30 - 110					12/18/24 14:13	12/27/24 11:47	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	1.01		0.369	0.375	5.00	0.535	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T03S DUP

Lab Sample ID: 500-260496-18

Date Collected: 11/27/24 14:14

Matrix: Water

Date Received: 11/27/24 15:47

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	0.488		0.125	0.133	1.00	0.0992	pCi/L	12/18/24 14:02	01/09/25 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/18/24 14:02	01/09/25 08:03	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	<0.536	U	0.337	0.338	1.00	0.536	pCi/L	12/18/24 14:13	12/27/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					12/18/24 14:13	12/27/24 11:47	1
Y Carrier	83.4		30 - 110					12/18/24 14:13	12/27/24 11:47	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	0.845		0.359	0.363	5.00	0.536	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T09S

Lab Sample ID: 500-260496-19

Date Collected: 12/03/24 11:43

Matrix: Water

Date Received: 12/03/24 15:10

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	1.35		0.200	0.234	1.00	0.0874	pCi/L	12/18/24 14:02	01/09/25 09:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					12/18/24 14:02	01/09/25 09:00	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	1.20		0.456	0.470	1.00	0.571	pCi/L	12/18/24 14:13	12/27/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					12/18/24 14:13	12/27/24 11:47	1
Y Carrier	77.0		30 - 110					12/18/24 14:13	12/27/24 11:47	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	2.55		0.498	0.525	5.00	0.571	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T06S

Lab Sample ID: 500-260496-20

Date Collected: 12/03/24 13:28

Matrix: Water

Date Received: 12/03/24 15:10

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	1.11		0.195	0.219	1.00	0.107	pCi/L	12/18/24 14:02	01/09/25 09:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/18/24 14:02	01/09/25 09:01	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	0.774		0.484	0.489	1.00	0.709	pCi/L	12/18/24 14:13	12/27/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/18/24 14:13	12/27/24 11:47	1
Y Carrier	73.6		30 - 110					12/18/24 14:13	12/27/24 11:47	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	1.89		0.522	0.536	5.00	0.709	pCi/L		01/09/25 16:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T01S

Lab Sample ID: 500-260496-21

Date Collected: 12/04/24 10:26

Matrix: Water

Date Received: 12/04/24 15:55

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	1.42		0.417	0.436	1.00	0.344	pCi/L	12/09/24 09:23	01/04/25 12:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.1		30 - 110					12/09/24 09:23	01/04/25 12:59	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	<1.98	U G	1.17	1.17	1.00	1.98	pCi/L	12/09/24 09:28	12/30/24 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	59.1		30 - 110					12/09/24 09:28	12/30/24 13:55	1
Y Carrier	78.1		30 - 110					12/09/24 09:28	12/30/24 13:55	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	2.21		1.24	1.25	5.00	1.98	pCi/L		01/08/25 09:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T11S

Lab Sample ID: 500-260496-22

Date Collected: 12/04/24 12:35

Matrix: Water

Date Received: 12/04/24 15:55

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	0.319		0.155	0.158	1.00	0.202	pCi/L	12/09/24 09:23	01/04/25 12:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					12/09/24 09:23	01/04/25 12:59	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	<0.623	U	0.409	0.411	1.00	0.623	pCi/L	12/09/24 09:28	12/30/24 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					12/09/24 09:28	12/30/24 13:55	1
Y Carrier	76.3		30 - 110					12/09/24 09:28	12/30/24 13:55	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	0.825		0.437	0.440	5.00	0.623	pCi/L		01/08/25 09:24	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T05S

Lab Sample ID: 500-260496-23

Date Collected: 12/04/24 14:12

Matrix: Water

Date Received: 12/04/24 15:55

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	0.281		0.156	0.158	1.00	0.196	pCi/L	12/09/24 09:23	01/04/25 12:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.4		30 - 110					12/09/24 09:23	01/04/25 12:59	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	<1.18	U G	0.718	0.720	1.00	1.18	pCi/L	12/09/24 09:28	12/30/24 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.4		30 - 110					12/09/24 09:28	12/30/24 13:55	1
Y Carrier	81.1		30 - 110					12/09/24 09:28	12/30/24 13:55	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	<1.18	U	0.735	0.737	5.00	1.18	pCi/L		01/08/25 09:24	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Rad

Prep Batch: 690768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	PrecSep-21	
500-260496-2	R08S	Total/NA	GW	PrecSep-21	
500-260496-3	G31S	Total/NA	Water	PrecSep-21	
500-260496-4	G33S	Total/NA	Water	PrecSep-21	
500-260496-5	G47S	Total/NA	Water	PrecSep-21	
500-260496-6	G48S	Total/NA	Water	PrecSep-21	
500-260496-7	T13S	Total/NA	Water	PrecSep-21	
MB 160-690768/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690768/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 690769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-1	G20S	Total/NA	GW	PrecSep_0	
500-260496-2	R08S	Total/NA	GW	PrecSep_0	
500-260496-3	G31S	Total/NA	Water	PrecSep_0	
500-260496-4	G33S	Total/NA	Water	PrecSep_0	
500-260496-5	G47S	Total/NA	Water	PrecSep_0	
500-260496-6	G48S	Total/NA	Water	PrecSep_0	
500-260496-7	T13S	Total/NA	Water	PrecSep_0	
MB 160-690769/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690769/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 691387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-8	G30S	Total/NA	GW	PrecSep-21	
500-260496-9	G46S	Total/NA	GW	PrecSep-21	
500-260496-10	T12S	Total/NA	Water	PrecSep-21	
MB 160-691387/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-691387/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 691391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-8	G30S	Total/NA	GW	PrecSep_0	
500-260496-9	G46S	Total/NA	GW	PrecSep_0	
500-260496-10	T12S	Total/NA	Water	PrecSep_0	
MB 160-691391/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-691391/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 692618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-21	T01S	Total/NA	Water	PrecSep-21	
500-260496-22	T11S	Total/NA	Water	PrecSep-21	
500-260496-23	T05S	Total/NA	Water	PrecSep-21	
MB 160-692618/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-692618/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-692618/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 692619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-21	T01S	Total/NA	Water	PrecSep_0	
500-260496-22	T11S	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Rad (Continued)

Prep Batch: 692619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-23	T05S	Total/NA	Water	PrecSep_0	
MB 160-692619/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-692619/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-692619/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 694360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-11	G39S	Total/NA	Water	PrecSep-21	
500-260496-12	G44S	Total/NA	Water	PrecSep-21	
500-260496-13	G45S	Total/NA	Water	PrecSep-21	
500-260496-14	R32S	Total/NA	Water	PrecSep-21	
500-260496-15	T02S	Total/NA	Water	PrecSep-21	
500-260496-16	T08S	Total/NA	Water	PrecSep-21	
500-260496-17	T03S	Total/NA	Water	PrecSep-21	
500-260496-18	T03S DUP	Total/NA	Water	PrecSep-21	
500-260496-19	T09S	Total/NA	Water	PrecSep-21	
500-260496-20	T06S	Total/NA	Water	PrecSep-21	
MB 160-694360/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-694360/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-260496-12 DU	G44S	Total/NA	Water	PrecSep-21	

Prep Batch: 694363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260496-11	G39S	Total/NA	Water	PrecSep_0	
500-260496-12	G44S	Total/NA	Water	PrecSep_0	
500-260496-13	G45S	Total/NA	Water	PrecSep_0	
500-260496-14	R32S	Total/NA	Water	PrecSep_0	
500-260496-15	T02S	Total/NA	Water	PrecSep_0	
500-260496-16	T08S	Total/NA	Water	PrecSep_0	
500-260496-17	T03S	Total/NA	Water	PrecSep_0	
500-260496-18	T03S DUP	Total/NA	Water	PrecSep_0	
500-260496-19	T09S	Total/NA	Water	PrecSep_0	
500-260496-20	T06S	Total/NA	Water	PrecSep_0	
MB 160-694363/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-694363/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-260496-12 DU	G44S	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-690768/1-A

Matrix: Water

Analysis Batch: 695150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 690768

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.145	U	0.0650	0.0650	1.00	0.145	pCi/L	11/27/24 08:06	12/23/24 06:48	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					11/27/24 08:06	12/23/24 06:48	1

Lab Sample ID: LCS 160-690768/2-A

Matrix: Water

Analysis Batch: 695150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 690768

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	10.36		1.12	1.00	0.162	pCi/L	108	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	84.8		30 - 110							

Lab Sample ID: MB 160-691387/1-A

Matrix: Water

Analysis Batch: 695377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 691387

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.116	U	0.0777	0.0781	1.00	0.116	pCi/L	12/02/24 08:05	12/26/24 15:43	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/02/24 08:05	12/26/24 15:43	1

Lab Sample ID: LCS 160-691387/2-A

Matrix: Water

Analysis Batch: 695377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 691387

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.998		0.973	1.00	0.106	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	86.0		30 - 110							

Lab Sample ID: MB 160-692618/1-A

Matrix: Water

Analysis Batch: 696788

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 692618

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.117	U	0.0552	0.0552	1.00	0.117	pCi/L	12/09/24 09:23	01/04/25 12:47	1

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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

Lab Sample ID: MB 160-692618/1-A
Matrix: Water
Analysis Batch: 696788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692618

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.2		30 - 110

Prepared	Analyzed	Dil Fac
12/09/24 09:23	01/04/25 12:47	1

Lab Sample ID: LCS 160-692618/2-A
Matrix: Water
Analysis Batch: 696788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692618

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.002		0.990	1.00	0.130	pCi/L	94	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.5		30 - 110

Lab Sample ID: LCSD 160-692618/3-A
Matrix: Water
Analysis Batch: 696788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692618

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	9.58	8.813		0.979	1.00	0.171	pCi/L	92	75 - 125	0.1	1

	LCSD	LCSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	90.5		30 - 110

Lab Sample ID: MB 160-694360/1-A
Matrix: Water
Analysis Batch: 697517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694360

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.0849	U	0.0379	0.0379	1.00	0.0849	pCi/L	12/18/24 14:02	01/09/25 07:59	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		30 - 110

Prepared	Analyzed	Dil Fac
12/18/24 14:02	01/09/25 07:59	1

Lab Sample ID: LCS 160-694360/2-A
Matrix: Water
Analysis Batch: 697517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694360

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	10.05		1.06	1.00	0.106	pCi/L	105	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	83.6		30 - 110

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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

Lab Sample ID: 500-260496-12 DU
Matrix: Water
Analysis Batch: 697517

Client Sample ID: G44S
Prep Type: Total/NA
Prep Batch: 694360

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.598		0.6347		0.154	1.00	0.101	pCi/L	0.12	1
Carrier	%Yield	DU Qualifier	Limits							
Ba Carrier	86.2		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-690769/1-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690769

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.580	U	0.339	0.339	1.00	0.580	pCi/L	11/27/24 08:14	12/17/24 11:25	1
Carrier	%Yield	MB Qualifier	Limits							
Ba Carrier	92.6		30 - 110							
Y Carrier	79.6		30 - 110							
Carrier	%Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	92.6		30 - 110	11/27/24 08:14	12/17/24 11:25	1				
Y Carrier	79.6		30 - 110	11/27/24 08:14	12/17/24 11:25	1				

Lab Sample ID: LCS 160-690769/2-A
Matrix: Water
Analysis Batch: 694195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690769

Analyte	Total									
	Spike Added	LCS Result	LCS Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.25	9.796		1.36	1.00	0.519	pCi/L	119	75 - 125	
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	84.8		30 - 110							
Y Carrier	83.4		30 - 110							

Lab Sample ID: MB 160-691391/1-A
Matrix: Water
Analysis Batch: 694358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691391

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.654	U	0.313	0.314	1.00	0.654	pCi/L	12/02/24 08:10	12/18/24 12:35	1
Carrier	%Yield	MB Qualifier	Limits							
Ba Carrier	79.9		30 - 110							
Y Carrier	78.5		30 - 110							
Carrier	%Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	79.9		30 - 110	12/02/24 08:10	12/18/24 12:35	1				
Y Carrier	78.5		30 - 110	12/02/24 08:10	12/18/24 12:35	1				

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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

Lab Sample ID: LCS 160-691391/2-A
Matrix: Water
Analysis Batch: 694358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691391

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.25	8.876		1.31	1.00	0.637	pCi/L	108	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	86.0		30 - 110									
Y Carrier	81.9		30 - 110									

Lab Sample ID: MB 160-692619/1-A
Matrix: Water
Analysis Batch: 695868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692619

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.491	U	0.265	0.265	1.00	0.491	pCi/L	12/09/24 09:28	12/30/24 11:55	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	94.2		30 - 110							
Y Carrier	83.7		30 - 110							
								Prepared	Analyzed	Dil Fac
								12/09/24 09:28	12/30/24 11:55	1
								12/09/24 09:28	12/30/24 11:55	1

Lab Sample ID: LCS 160-692619/2-A
Matrix: Water
Analysis Batch: 695868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692619

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.22	9.542		1.30	1.00	0.574	pCi/L	116	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	92.5		30 - 110									
Y Carrier	82.2		30 - 110									

Lab Sample ID: LCSD 160-692619/3-A
Matrix: Water
Analysis Batch: 695868

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 692619

Analyte		Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228		8.22	8.466		1.19	1.00	0.514	pCi/L	103	75 - 125	0.43	1
	LCSD	LCSD										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	90.5		30 - 110									
Y Carrier	83.7		30 - 110									

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

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

Lab Sample ID: MB 160-694363/1-A

Matrix: Water

Analysis Batch: 695576

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 694363

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.499	U	0.263	0.263	1.00	0.499	pCi/L	12/18/24 14:13	12/27/24 11:45	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					12/18/24 14:13	12/27/24 11:45	1
Y Carrier	80.4		30 - 110					12/18/24 14:13	12/27/24 11:45	1

Lab Sample ID: LCS 160-694363/2-A

Matrix: Water

Analysis Batch: 695576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 694363

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.23	11.93		1.57	1.00	0.558	pCi/L	145	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	83.6		30 - 110						
Y Carrier	83.0		30 - 110						

Lab Sample ID: 500-260496-12 DU

Matrix: Water

Analysis Batch: 695576

Client Sample ID: G44S

Prep Type: Total/NA

Prep Batch: 694363

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.803		<0.639	U	0.391	1.00	0.639	pCi/L	0.53	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	86.2		30 - 110							
Y Carrier	83.4		30 - 110							

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-128919-50642 1		
Client Contact: James Thorne		Phone		E-Mail: Diana Mockler@et.eurofins.com		State of Origin		Page 1 of 3		
Company: Midwest Generation EME LLC				PWSID		Analysis Requested				
Address: 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E		Total Number of Containers		Job #: 500-260496		
City: Joliet		TAT Requested (days)						Preservation Codes: D - HNO3 N - None		
State Zip: IL, 60436		Compliance Project. ☐ Yes ☐ No						 500-260496 COC		
Phone		PO #: 4502153835								
Email: james.thorne@nrg.com		WO #								
Project Name: Joliet #9 CCR		Project #: 50011504		Other:		Special Instructions/Note:				
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)	Field Filtered Sample (Yes or No)		Total Number of Containers		
						Preservation Code: ☒ D ☒ D ☒ D ☒ D ☒ N				
1 R008 G20S		11/20/24	1031		Water	☒ ☒ ☒ ☒ ☒		5		
2 R020S R08S		11/20/24	1323		Water	☒ ☒ ☒ ☒ ☒		5		
R025					Water					
G44S					Water					
G45S					Water					
G46S					Water					
G47S					Water					
G48S					Water					
R035					Water					
G00S					Water					
R04P					Water					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements				
Empty Kit Relinquished by:			Date		Time		Method of Shipment:			
Relinquished by: <i>[Signature]</i>		Date/Time: 11/20/24 @ 1444		Company: EETA		Received by: <i>[Signature]</i>		Date/Time: 11/20/24 1444		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 1.7 → 1.4 48 QT						

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Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Noe L., Tristan B.</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No. 500-128919-50642 2	
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin		Page Page 2 of 3	
Company Midwest Generation EME LLC		PWSID		Analysis Requi				Job # <i>500-260496</i>	
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Raz26Ra228 GFPC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		500-260496 COC		Preservation Codes. D HNO3 N None	
City Joliet		TAT Requested (days)				Total Number of containers		Other	
State Zip IL, 60436		Compliance Project ☐ Yes ☐ No							
Phone		PO #: 4502153835							
Email james.thorne@nrg.com		WO #							
Project Name Joliet #9 CCR		Project # 50011504							
Site Illinois		SSOW#							
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		Special Instructions/Note:	
						Preservation Code:			
<i>3 G31S</i>		<i>11/21/24</i>	<i>1011</i>		Water	☒			
<i>4 G33S</i>		<i>11/21/24</i>	<i>1131</i>		Water	☒			
~~T01S~~					Water				
~~T02S~~					Water				
~~T04S~~					Water				
~~T05S~~					Water				
~~T06S~~					Water				
~~T08S~~					Water				
~~T09S~~					Water				
~~T12S~~					Water				
~~T13S~~					Water				
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date		Time		Method of Shipment:			
Relinquished by: <i>[Signature]</i>		Date/Time <i>11/21/24 e 1305</i>		Company <i>EETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time <i>11/21/24 1305</i>	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <i>2.8 → 2.7 48QT</i>					

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-128919-50642 3	
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin		Page Page 3 of 3	
Company Midwest Generation EME LLC				PWSID		Analysis Requested			
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra226Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E Total Number of Containers		Job # <i>500-260496</i>		Preservation Codes. D HNO3 N None	
City Joliet		TAT Requested (days)				Other:			
State, Zip IL, 60436		Compliance Project. ☐ Yes ☐ No							
Phone		PO #: 4502153835							
Email james.thorne@nrg.com		WO #							
Project Name Joliet #9 CCR		Project # 50011504							
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)	Preservation Code:		Special Instructions/Note:	
~~T418~~	<i>G305</i>	<i>11/25/24</i>	<i>1028</i>		Water				
~~G398~~	<i>G465</i>	<i>11/25/24</i>	<i>1304</i>		Water				
	<i>T125</i>	<i>11/25/24</i>	<i>1358</i>						
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested I, II, III, IV, Other (specify) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements									
Empty Kit Relinquished by		Date		Time		Method of Shipment.			
Relinquished by: <i>92</i>		Date/Time: <i>11/25/24 1505</i>		Company: <i>EETA</i>		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by:		Date/Time	
Relinquished by:		Date/Time		Company		Received by: <i>Denise K...</i>		Date/Time: <i>11/25/24 15:06</i>	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <i>3.8 - 3.6</i>					

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L, Tristan B.</i>		Lab PM: Mockler, Diana J										
Client Contact: James Thorne		Phone:		E-Mail: Diana.Mockler@et.eurofins.com										
Company: Midwest Generation EME LLC		PWSID:		Analysis R: 500-260496 COC										
Address: 1800 Channahon Road		Due Date Requested:												
City: Joliet		TAT Requested (days):												
State Zip: IL, 60436		Compliance Project: ☐ Yes ☐ No												
Phone:		PO #: 4502153835												
Email: james.thorne@nrg.com		WO #:												
Project Name: Joliet #9 CCR		Project #: 50011504		Job #: 500-260496										
Site: Illinois		SSOW#:		Preservation Codes: D HNO3, N None										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	Ra226Ra228 - GPPC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C, 4500_F, C, SM4500, Cl, E, SM4500, SO4_E	Total Number of containers	Special Instructions/Note:
				Preservation Code:				D	D	D	D	N		
11	R008	6395	11/26/24	1028	Water			/	/	/	/	/	5	
12	R205	6445	11/26/24	1120	Water			/	/	/	/	/	5	
13	R023	6455	11/26/24	1256	Water			/	/	/	/	/	5	
14	G443	R325	11/26/24	1354	Water			/	/	/	/	/	5	
	G458				Water									
	G465				Water									
	G479				Water									
	G485				Water									
	T03S				Water									
	G308				Water									
	DUP				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: <i>[Signature]</i>			Date/Time: 11/26/24 1510		Company: EETA		Received by: <i>[Signature]</i>			Date/Time: 11/26/24 1510		Company: EETA		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Relinquished by:			Date/Time:		Company:		Received by:			Date/Time:		Company:		
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 2.2 → 2.1 480T										

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No. 500-128919-50642 2					
Client Contact: James Thorne		Phone:		E-Mail: Diana Mockler@et.eurofins.com		State of Origin:		Page 2 of 3					
Company: Midwest Generation EME LLC		PWSID:		Analysis Requested						Job #: 500-260496			
Address: 1800 Channahon Road		Due Date Requested:		Field Filtered Sample (Yes or No) Perform HPLC/MSD (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPD - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E Total Number of Containers						Preservation Codes: D HNO3 N None			
City: Joliet		TAT Requested (days):								Other:			
State Zip: IL, 60436		Compliance Project ☐ Yes ☐ No											
Phone: 500-260496 COC		PO #: 4502153835											
Email: james.thorne@nrg.com		WO #:											
Project Name: Joliet #9 CCR		Project #: 50011504											
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)		Preservation Code		Special Instructions/Note:	
~~G31S~~		~~11/27/24~~		~~1014~~		~~Water~~		~~Water~~		~~D~~		~~5~~	
~~G33S~~		~~11/27/24~~		~~1234~~		~~Water~~		~~Water~~		~~D~~		~~5~~	
~~T01S~~		~~11/27/24~~		~~1414~~		~~Water~~		~~Water~~		~~D~~		~~5~~	
~~T02S~~		~~11/27/24~~		~~1414~~		~~Water~~		~~Water~~		~~D~~		~~5~~	
T04S						Water		Water		D			
T05S						Water		Water		D			
T06S						Water		Water		D			
T08S						Water		Water		D			
T09S						Water		Water		D			
T12S						Water		Water		D			
T13S						Water		Water		D			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements			
Empty Kit Relinquished by				Date		Time		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 11/27/24 1547		Company: EETA		Received by: <i>[Signature]</i>		Date/Time: 11/27/24 1547		Company: EETA			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 3.4 → 3.3									

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No. 500-128919-50842 1			
Client Contact James Thorne		Phone		E-Mail Diana Mockler@et.eurofins.com		State of Origin.		Page Page 1 of 3			
Company Midwest Generation EME LLC		PWSID		Analysis Requested						Job # <i>500-260496</i>	
Address 1800 Channahon Road		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra226Ra228 GFPC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE, SM4500_SO4_E Total Number of Containers						Preservation Codes: D HNO3 N None	
City Joliet		TAT Requested (days)								Other	
State, Zip: IL, 60436		Compliance Project. ☐ Yes ☐ No									
Phone 500-260496 COC		PO #: 4502153835									
Email james.thorne@nrg.com		WO #									
Project Name Joliet #9 CCR		Project # 50011504									
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)		Special Instructions/Note:	
						Preservation Code					
<i>19 R08S T09S</i>		<i>12/03/24</i>		<i>1143</i>				Water		<i>5</i>	
<i>20 G20S T06S</i>		<i>12/03/24</i>		<i>1328</i>				Water		<i>5</i>	
R32S								Water			
G44S								Water			
G46S								Water			
G46S								Water			
G47S								Water			
G48S								Water			
T09S								Water			
G30S								Water			
DUP								Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements	
Empty Kit Relinquished by				Date		Time		Method of Shipment:			
Relinquished by: <i>[Signature]</i>				Date/Time <i>12/03/24 1510</i>		Company <i>EEPA</i>		Received by: <i>[Signature]</i> Date/Time <i>12/3/24 1510</i> Company <i>EEPA</i>			
Relinquished by:				Date/Time		Company		Received by: Date/Time Company			
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 <i>3.4 → 3.3 48QT</i>							

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University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Noe L., Tristan B.</i>		Lab PM: Mockler, Diana J		COC No: 500-128919-50642 2	
Client Contact: James Thorne		Phone:		E-Mail: Diana.Mockler@et.eurofins.com		Page: Page 2 of 3	
Company: Midwest Generation EME LLC		PWSID:		Analysis Req: 500-260496 COC		Job #: 500-260496	
Address: 1800 Channahon Road		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0 - Standard Target List Ra228Ra228_GFPCC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		Preservation Codes: D HNO3 N None	
City: Joliet		TAT Requested (days):					
State Zip: IL, 60436		Compliance Project: ☐ Yes ☐ No					
Phone:		PO #: 4502153835					
Email: james.thorne@nrg.com		WO #:					
Project Name: Joliet #9 CCR		Project #: 50011504		Total Number of containers:		Special Instructions/Note:	
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)		Preservation Code:					
21 ~~631S~~		12/04/24 1026		Water		5	
22 ~~633S~~		12/04/24 1235		Water		5	
23 ~~641S~~		12/04/24 1412		Water		5	
~~642S~~				Water			
~~645S~~				Water			
~~650S~~				Water			
~~665S~~				Water			
~~685S~~				Water			
~~696S~~				Water			
~~712S~~				Water			
~~713S~~				Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)				Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date		Time		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 12/04/24 c 1555		Company: EETA		Received by: <i>[Signature]</i> Date/Time: 12/17/24 1535 Company: EETA	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time: Company:	
Relinquished by:		Date/Time:		Company:		Received by: Date/Time: Company:	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 3.1 → 3.0 48QT			

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

[illegible]

Chain of Custody Record

[illegible]

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		Carrier Tracking No(s): N/A		COC No: 500-195658-1						
Client Contact: Shipping/Receiving		Phone: N/A		State of Origin: Illinois		Page: Page 1 of 1						
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana Mockler@et.eurofins.com		Accreditations Required (See note): NELAP - Illinois		Job #: 500-260496-2						
Address: 13715 Rider Trail North,		Due Date Requested: 12/12/2024		Analysis Requested		Preservation Codes:						
City: Earth City		TAT Requested (days):										
State, Zip: MO, 63045		PO #: N/A										
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #: N/A										
Email: N/A		Project #: 50011504										
Site: NRG Midwest Generation LSQ Joliet #9 CCR		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=oil, A=air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:
G30S (500-260496-8)	11/25/24	10:28 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
G46S (500-260496-9)	11/25/24	13:04 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
T12S (500-260496-10)	11/25/24	13:58 Central	G	Water		X	X	X	X	3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
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												
Unconfirmed												
Deliverable Requested: I, II, III, IV, Other (specify)												
Primary Deliverable Rank: 2												
Empty Kit Relinquished by:												
Time:												
Date:												
Relinquished by: <i>Danjane Yarborough</i>												
Date/Time: 11/26/24 1635												
Company: EETA												
Relinquished by: <i>Danjane Yarborough</i>												
Date/Time: 11/26/24 1635												
Company: Cheyenne Forrest												
Relinquished by: <i>Danjane Yarborough</i>												
Date/Time: 11/26/24 1635												
Company: Cheyenne Forrest												
Custody Seals Intact: ☐ Yes ☐ No												
Custody Seal No.:												
Cooler Temperature(s) °C and Other Remarks:												

[illegible]

[illegible]

Chain of Custody Record

Ver: 10/10/2024



Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260496-2

Login Number: 260496

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	1.4,2.7,2.3, 3.8,2.1,3.3,3.3,3.0
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: 500-260496-2

Login Number: 260496

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/22/24 12:00 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: 500-260496-2

Login Number: 260496

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 11/26/24 12:51 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: 500-260496-2

Login Number: 260496

List Number: 4

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/27/24 11:19 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.	False	

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: 500-260496-2

Login Number: 260496

List Number: 5

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 12/04/24 01:46 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: 500-260496-2

Login Number: 260496

List Number: 6

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 12/06/24 02:39 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: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G20S

Date Collected: 11/20/24 10:31

Date Received: 11/20/24 14:44

Lab Sample ID: 500-260496-1

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694195	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: R08S

Date Collected: 11/20/24 13:23

Date Received: 11/20/24 14:44

Lab Sample ID: 500-260496-2

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694195	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: G31S

Date Collected: 11/21/24 10:11

Date Received: 11/21/24 13:05

Lab Sample ID: 500-260496-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694195	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: G33S

Date Collected: 11/21/24 11:31

Date Received: 11/21/24 13:05

Lab Sample ID: 500-260496-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694195	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G47S

Date Collected: 11/22/24 11:08

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694196	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: G48S

Date Collected: 11/22/24 12:20

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694196	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: T13S

Date Collected: 11/22/24 14:00

Date Received: 11/22/24 15:12

Lab Sample ID: 500-260496-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690768	BCE	EET SL	11/27/24 08:06
Total/NA	Analysis	903.0		1	695130	SCB	EET SL	12/23/24 06:58
Total/NA	Prep	PrecSep_0			690769	BCE	EET SL	11/27/24 08:14
Total/NA	Analysis	904.0		1	694196	SCB	EET SL	12/17/24 11:27
Total/NA	Analysis	Ra226_Ra228		1	695590	EMH	EET SL	12/27/24 13:38

Client Sample ID: G30S

Date Collected: 11/25/24 10:28

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-8

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691387	MLT	EET SL	12/02/24 08:05
Total/NA	Analysis	903.0		1	695352	FLC	EET SL	12/26/24 16:31
Total/NA	Prep	PrecSep_0			691391	MLT	EET SL	12/02/24 08:10
Total/NA	Analysis	904.0		1	694358	SCB	EET SL	12/18/24 14:48
Total/NA	Analysis	Ra226_Ra228		1	697552	SCB	EET SL	01/09/25 16:39

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G46S

Date Collected: 11/25/24 13:04

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-9

Matrix: GW

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691387	MLT	EET SL	12/02/24 08:05
Total/NA	Analysis	903.0		1	695352	FLC	EET SL	12/26/24 16:31
Total/NA	Prep	PrecSep_0			691391	MLT	EET SL	12/02/24 08:10
Total/NA	Analysis	904.0		1	694358	SCB	EET SL	12/18/24 14:48
Total/NA	Analysis	Ra226_Ra228		1	697552	SCB	EET SL	01/09/25 16:39

Client Sample ID: T12S

Date Collected: 11/25/24 13:58

Date Received: 11/25/24 15:06

Lab Sample ID: 500-260496-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691387	MLT	EET SL	12/02/24 08:05
Total/NA	Analysis	903.0		1	695352	FLC	EET SL	12/26/24 16:31
Total/NA	Prep	PrecSep_0			691391	MLT	EET SL	12/02/24 08:10
Total/NA	Analysis	904.0		1	694358	SCB	EET SL	12/18/24 14:49
Total/NA	Analysis	Ra226_Ra228		1	697552	SCB	EET SL	01/09/25 16:39

Client Sample ID: G39S

Date Collected: 11/26/24 10:28

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:01
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: G44S

Date Collected: 11/26/24 11:20

Date Received: 11/26/24 15:10

Lab Sample ID: 500-260496-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:01
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: G45S

Lab Sample ID: 500-260496-13

Date Collected: 11/26/24 12:56

Matrix: Water

Date Received: 11/26/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: R32S

Lab Sample ID: 500-260496-14

Date Collected: 11/26/24 13:54

Matrix: Water

Date Received: 11/26/24 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: T02S

Lab Sample ID: 500-260496-15

Date Collected: 11/27/24 10:14

Matrix: Water

Date Received: 11/27/24 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: T08S

Lab Sample ID: 500-260496-16

Date Collected: 11/27/24 12:34

Matrix: Water

Date Received: 11/27/24 15:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T03S

Date Collected: 11/27/24 14:14

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: T03S DUP

Date Collected: 11/27/24 14:14

Date Received: 11/27/24 15:47

Lab Sample ID: 500-260496-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697517	FLC	EET SL	01/09/25 08:03
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: T09S

Date Collected: 12/03/24 11:43

Date Received: 12/03/24 15:10

Lab Sample ID: 500-260496-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697532	FLC	EET SL	01/09/25 09:00
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Client Sample ID: T06S

Date Collected: 12/03/24 13:28

Date Received: 12/03/24 15:10

Lab Sample ID: 500-260496-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			694360	MLT	EET SL	12/18/24 14:02
Total/NA	Analysis	903.0		1	697532	FLC	EET SL	01/09/25 09:01
Total/NA	Prep	PrecSep_0			694363	MLT	EET SL	12/18/24 14:13
Total/NA	Analysis	904.0		1	695576	EMH	EET SL	12/27/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	697551	SCB	EET SL	01/09/25 16:24

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Client Sample ID: T01S

Date Collected: 12/04/24 10:26

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			692618	BCE	EET SL	12/09/24 09:23
Total/NA	Analysis	903.0		1	696789	FLC	EET SL	01/04/25 12:59
Total/NA	Prep	PrecSep_0			692619	BCE	EET SL	12/09/24 09:28
Total/NA	Analysis	904.0		1	695868	CMM	EET SL	12/30/24 13:55
Total/NA	Analysis	Ra226_Ra228		1	697191	SCB	EET SL	01/08/25 09:24

Client Sample ID: T11S

Date Collected: 12/04/24 12:35

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			692618	BCE	EET SL	12/09/24 09:23
Total/NA	Analysis	903.0		1	696789	FLC	EET SL	01/04/25 12:59
Total/NA	Prep	PrecSep_0			692619	BCE	EET SL	12/09/24 09:28
Total/NA	Analysis	904.0		1	695868	CMM	EET SL	12/30/24 13:55
Total/NA	Analysis	Ra226_Ra228		1	697191	SCB	EET SL	01/08/25 09:24

Client Sample ID: T05S

Date Collected: 12/04/24 14:12

Date Received: 12/04/24 15:55

Lab Sample ID: 500-260496-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			692618	BCE	EET SL	12/09/24 09:23
Total/NA	Analysis	903.0		1	696789	FLC	EET SL	01/04/25 12:59
Total/NA	Prep	PrecSep_0			692619	BCE	EET SL	12/09/24 09:28
Total/NA	Analysis	904.0		1	695868	CMM	EET SL	12/30/24 13:55
Total/NA	Analysis	Ra226_Ra228		1	697191	SCB	EET SL	01/08/25 09:24

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: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-24 *
Oklahoma	NELAP	9997	12-31-24 *
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)					
500-260496-1	G20S	90.9					
500-260496-2	R08S	86.0					
500-260496-8	G30S	83.2					
500-260496-9	G46S	84.8					
Tracer/Carrier Legend							
Ba = Ba Carrier							

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)					
500-260496-3	G31S	86.3					
500-260496-4	G33S	83.2					
500-260496-5	G47S	84.8					
500-260496-6	G48S	92.4					
500-260496-7	T13S	96.4					
500-260496-10	T12S	90.4					
500-260496-11	G39S	80.8					
500-260496-12	G44S	84.1					
500-260496-12 DU	G44S	86.2					
500-260496-13	G45S	84.1					
500-260496-14	R32S	88.2					
500-260496-15	T02S	59.5					
500-260496-16	T08S	83.6					
500-260496-17	T03S	85.9					
500-260496-18	T03S DUP	91.5					
500-260496-19	T09S	88.7					
500-260496-20	T06S	77.9					
500-260496-21	T01S	59.1					
500-260496-22	T11S	87.2					
500-260496-23	T05S	77.4					
LCS 160-690768/2-A	Lab Control Sample	84.8					
LCS 160-691387/2-A	Lab Control Sample	86.0					
LCS 160-692618/2-A	Lab Control Sample	92.5					
LCS 160-694360/2-A	Lab Control Sample	83.6					
LCSD 160-692618/3-A	Lab Control Sample Dup	90.5					
MB 160-690768/1-A	Method Blank	92.6					
MB 160-691387/1-A	Method Blank	79.9					
MB 160-692618/1-A	Method Blank	94.2					
MB 160-694360/1-A	Method Blank	99.0					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #9 (Quarry) CCR (RAD) 4Q24

Job ID: 500-260496-2

Method: 904.0 - Radium-228 (GFPC)

Matrix: GW

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-260496-1	G20S	90.9	75.1
500-260496-2	R08S	86.0	78.1
500-260496-8	G30S	83.2	73.3
500-260496-9	G46S	84.8	75.9
Tracer/Carrier Legend			
Ba = Ba Carrier			
Y = Y Carrier			

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-260496-3	G31S	86.3	80.4
500-260496-4	G33S	83.2	80.7
500-260496-5	G47S	84.8	83.7
500-260496-6	G48S	92.4	80.4
500-260496-7	T13S	96.4	81.1
500-260496-10	T12S	90.4	81.1
500-260496-11	G39S	80.8	79.6
500-260496-12	G44S	84.1	77.0
500-260496-12 DU	G44S	86.2	83.4
500-260496-13	G45S	84.1	77.8
500-260496-14	R32S	88.2	77.4
500-260496-15	T02S	59.5	80.7
500-260496-16	T08S	83.6	74.8
500-260496-17	T03S	85.9	79.6
500-260496-18	T03S DUP	91.5	83.4
500-260496-19	T09S	88.7	77.0
500-260496-20	T06S	77.9	73.6
500-260496-21	T01S	59.1	78.1
500-260496-22	T11S	87.2	76.3
500-260496-23	T05S	77.4	81.1
LCS 160-690769/2-A	Lab Control Sample	84.8	83.4
LCS 160-691391/2-A	Lab Control Sample	86.0	81.9
LCS 160-692619/2-A	Lab Control Sample	92.5	82.2
LCS 160-694363/2-A	Lab Control Sample	83.6	83.0
LCSD 160-692619/3-A	Lab Control Sample Dup	90.5	83.7
MB 160-690769/1-A	Method Blank	92.6	79.6
MB 160-691391/1-A	Method Blank	79.9	78.5
MB 160-692619/1-A	Method Blank	94.2	83.7
MB 160-694363/1-A	Method Blank	99.0	80.4
Tracer/Carrier Legend			
Ba = Ba Carrier			
Y = Y Carrier			



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G20S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-1

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/20/24 Start Purge: 1013 End Purge: 1031
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.12

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.78 (ft) pH 7.49 7.51 7.51 (std.)
Ref. Measuring Pt. TIC SC 711 710 710 (umhos/cm)
Well Elevation *580.79 (ft./msl) Temp. 15.26 15.29 15.29 (°C)
Water Level 60.62 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 520.17 (ft./msl)
Well Bottom Elevation *442.28 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 46°F, Mostly Sunny, SW winds @ 5-10 mph
Turbidity: 0.77 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 60.62 - 2.78 = 57.84 (ft.)
Levels were taken on 11/20/24 @ 1003

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-2

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/20/24 Start Purge: 1308 End Purge: 1323
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.68

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.55 (ft) pH 7.88 7.86 7.86 (std.)
Ref. Measuring Pt. TIC SC 1066 1070 1070 (umhos/cm)
Well Elevation *578.64 (ft./msl) Temp. 12.51 12.52 12.52 (°C)
Water Level 73.30 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 505.34 (ft./msl)
Well Bottom Elevation *453.08 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 48°F, Mostly Cloudy, SW winds e 5-10 mph
Turbidity: 0.41 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 73.30 - 2.55 = 70.75 (ft.)
Levels were taken on 11/20/24 @ 1303

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G31S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260490-3

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/21/24 Start Purge: 0954 End Purge: 1011
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.77

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.58 (ft) pH 7.23 7.24 7.24 (std.)
Ref. Measuring Pt. TIC SC 1730 1740 1740 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 12.27 12.41 12.41 (°C)
Water Level 30.75 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.92 (ft./msl)
Well Bottom Elevation *453.36 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 32°F, Light Snow, W winds e 5-10 mph
Turbidity: 0.62 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 30.75 - 2.58 = 28.17 (ft.)
Levels were taken on 11/21/24 @ 0945

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G33S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-4

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) _____
Sampling _____ Bladder Pump _____ Dedicated (Y/N) _____

PURGING INFORMATION

Purge Date: 11/21/24 Start Purge: 1110 End Purge: 1131
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.54

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 1.73 (ft) pH 7.49 7.50 7.50 (std.)
Ref. Measuring Pt. TIC SC 735 737 737 (umhos/cm)
Well Elevation *535.67 (ft./msl) Temp. 10.73 10.80 10.80 (°C)
Water Level 34.71 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.96 (ft./msl)
Well Bottom Elevation *452.72 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 32°F, Snow, W winds e 5-10 mph
Turbidity: 83.90 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 34.71 - 1.73 = 32.98 (ft.)
Levels were taken on 11/21/24 @ 1100

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G47S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-20496-5

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1050 End Purge: 1108
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.50 (ft) pH 8.43 8.44 8.44 (std.)
Ref. Measuring Pt. TIC SC 1600 1600 1600 (umhos/cm)
Well Elevation *612.16 (ft./msl) Temp. 11.39 11.39 11.39 (°C)
Water Level 94.99 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 517.17 (ft./msl)
Well Bottom Elevation *459.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Slight Odor
Weather Conditions: 45°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 0.77 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 94.99 - 2.50 = 92.49 (ft.)
Levels were taken on 11/22/24 @ 1045

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G48S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-6

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1202 End Purge: 1220
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.45 (ft) pH 7.76 7.74 7.74 (std.)
Ref. Measuring Pt. TIC SC 1530 1520 1520 (umhos/cm)
Well Elevation *620.73 (ft./msl) Temp. 11.76 11.76 11.76 (°C)
Water Level 105.00 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 515.73 (ft./msl)
Well Bottom Elevation *468.32 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 46°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 0.88 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 105.00 - 2.45 = 102.55 (ft.)
Levels were taken on 11/22/24 @ 1157

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T13S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-7

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/22/24 Start Purge: 1350 End Purge: 1400
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.76 (ft) pH 7.43 7.42 7.42 (std.)
Ref. Measuring Pt. TIC SC 962 964 964 (umhos/cm)
Well Elevation * 525.33 (ft./msl) Temp. 13.68 13.65 13.65 (°C)
Water Level 20.58 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 504.75 (ft./msl)
Well Bottom Elevation * 452.21 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Strong Odor
Weather Conditions: 46°F, Cloudy, NW winds e 0-5 mph
Turbidity: 4.10 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 20.58 - 2.76 = 17.82 (ft.)
Levels were taken on 11/22/24 @ 1345.
* Total Depth: 73.12 (ft)

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G30S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-8

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1010 End Purge: 1028
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.23

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.31 (ft) pH 7.74 7.75 7.75 (std.)
Ref. Measuring Pt. TIC SC 1960 1950 1950 (umhos/cm)
Well Elevation *524.78 (ft./msl) Temp. 11.28 11.28 11.28 (°C)
Water Level 1.79 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 522.99 (ft./msl)
Well Bottom Elevation *462.58 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 52°F, Mostly Cloudy, NW winds 0-5 mph
Turbidity: 0.88 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 1.79 - 2.31 = -0.52 (ft.)
Levels were taken on 11/25/24 @ 1000

(Updated 10/23/2024)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G46S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-9

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1250 End Purge: 1304
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.63

MEASUREMENTS

Well Diameter 4.0 (inches) 1st 2nd Final
Stick Up 2.70 (ft) pH 7.52 7.53 7.53 (std.)
Ref. Measuring Pt. TIC SC 1357 1355 1355 (umhos/cm)
Well Elevation *601.32 (ft./msl) Temp. 12.52 12.52 12.52 (°C)
Water Level 108.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.60 (ft./msl)
Well Bottom Elevation *453.62 (ft./msl)

COMMENTS

Sample Appearance/Odor: Tan, Moderate Turbidity, No Odor
Weather Conditions: 51°F, Cloudy, NW winds @ 5-10 mph
Turbidity: 59.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 108.72 - 2.70 = 106.02 (ft.)
Levels were taken on 11/25/24 @ 1245

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T12S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-10

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y)
Sampling Bladder Pump Dedicated (Y)

PURGING INFORMATION

Purge Date: 11/25/24 Start Purge: 1346 End Purge: 1358
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches)
Stick Up 2.74 (ft)
Ref. Measuring Pt. TIC
Well Elevation * 578.73 (ft./msl)
Water Level 77.14 (ft.)
Ground Water Elev. 501.59 (ft./msl)
Well Bottom Elevation * 452.24 (ft./msl)

	1st	2nd	Final
pH ^{W.L.} <u>7.48</u>	<u>7.47</u>	<u>7.47</u>	(std.)
SC <u>1045</u>	<u>1048</u>	<u>1048</u>	(umhos/cm)
Temp. <u>12.33</u>	<u>12.33</u>	<u>12.33</u>	(°C)

Well Stabilization / Recharge Grid

COMMENTS

Sample Appearance/Odor: Dark Tan, Moderate Turbidity, No Odor
Weather Conditions: 50°F, Cloudy, NW winds e 5-10 mph
Turbidity: 80.30 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 77.14 - 2.74 = 74.40 (ft.)
Levels were taken on 11/25/24 @ 1341
* Total Depth: 126.5 (ft)

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G39S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-11

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1010 End Purge: 1028
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.93

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.08 (ft) pH 7.19 7.21 7.21 (std.)
Ref. Measuring Pt. TIC SC 739 740 740 (umhos/cm)
Well Elevation *598.74 (ft./msl) Temp. 10.17 10.18 10.18 (°C)
Water Level 99.79 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 498.95 (ft./msl)
Well Bottom Elevation *454.15 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 32°F, Sunny, W winds 0-5 mph
Turbidity 3.67 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 99.79 - 2.08 = 97.71 (ft.)
Levels were taken on 11/26/24 @ 1000

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G44S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-12

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1105 End Purge: 1120
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.18 (ft) pH 7.13 7.14 7.14 (std.)
Ref. Measuring Pt. TIC SC 1133 1136 1136 (umhos/cm)
Well Elevation *586.62 (ft./msl) Temp. 11.49 11.49 11.49 (°C)
Water Level 85.84 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 500.78 (ft./msl)
Well Bottom Elevation *455.11 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, No Odor
Weather Conditions: 34°F, Mostly Sunny, W winds E 5-10 mph
Turbidity: 57.60 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 85.84 - 2.18 = 83.66 (ft.)
Levels were taken on 11/26/24 @ 1100

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: G45S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-13

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1240 End Purge: 1256
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 1.03

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.97 (ft) pH 7.31 7.31 7.31 (std.)
Ref. Measuring Pt. TIC SC 1132 1138 1138 (umhos/cm)
Well Elevation *603.81 (ft./msl) Temp. 13.32 13.28 13.28 (°C)
Water Level 64.57 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 539.24 (ft./msl)
Well Bottom Elevation *471.05 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 36°F, Sunny, W winds @ 0-5 mph
Turbidity: 1.75 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 64.57 - 2.97 = 61.60 (ft.)
Levels were taken on 11/26/24 @ 1235.

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: R32S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2104916-14

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging _____ Bladder Pump _____ Dedicated ☒ (Y/N)
Sampling _____ Bladder Pump _____ Dedicated ☒ (Y/N)

PURGING INFORMATION

Purge Date: 11/26/24 Start Purge: 1335 End Purge: 1354
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.98

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.03 (ft) pH 7.57 7.57 7.57 (std.)
Ref. Measuring Pt. TIC SC 992 993 993 (umhos/cm)
Well Elevation *537.04 (ft./msl) Temp. 11.69 11.75 11.75 (°C)
Water Level 24.88 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 512.16 (ft./msl)
Well Bottom Elevation *457.84 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 37°F, Sunny, SW winds e 0-5 mph
Turbidity: 2.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 24.88 - 2.03 = 22.85 (ft.)
Levels were taken on 11/26/24 @ 1330

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T02S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-210491e-15

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 0955 End Purge: 1014
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.61

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.33 (ft) pH 7.65 7.64 7.64 (std.)
Ref. Measuring Pt. TIC SC 1053 1049 1049 (umhos/cm)
Well Elevation * 626.14 (ft./msl) Temp. 10.59 10.58 10.58 (°C)
Water Level 137.72 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 488.42 (ft./msl)
Well Bottom Elevation * 453.40 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, Moderate Turbidity, No Odor
Weather Conditions: 40°F, Mostly Cloudy, SE winds 0-5 mph
Turbidity: 179.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 137.72 - 2.33 = 135.39 (ft.)
Levels were taken on 11/27/24 @ 0940
* Total Depth = 172.75

(Updated: 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]

FIELD FORM 1



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T08S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2102496-16

Type Sample: (circle one) Ground Water Surface Water Leachate Other: _____
Equipment Used: Purging Bladder Pump Dedicated (Y/N) (N)
Sampling Bladder Pump Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 1212 End Purge: 1234
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.57

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.38 (ft) pH 8.57 8.37 8.37 (std.)
Ref. Measuring Pt. TIC SC 1380 1373 1373 (umhos/cm)
Well Elevation * 627.43 (ft./msl) Temp. 10.48 10.47 10.47 (°C)
Water Level 132.52 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 494.91 (ft./msl)
Well Bottom Elevation * 447.38 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Slight Turbidity, Strong Odor
Weather Conditions: 43°F, Cloudy, SE winds @ 0-5 mph
Turbidity: 1.29 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 132.52 - 2.38 = 130.14 (ft.)
Levels were taken on 11/27/24 @ 1157
* Total Deth = 180.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 502-260496-17

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: 1356 End Purge: 1414
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.46

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH 7.52 7.52 7.52 (std.)
Ref. Measuring Pt. TIC SC 1153 1160 1160 (umhos/cm)
Well Elevation * 629.73 (ft./msl) Temp. 11.80 11.81 11.81 (°C)
Water Level 141.54 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 488.19 (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, clear, No Odor
Weather Conditions: 43°F, Cloudy, E winds @ 0-5 mph
Turbidity: 0.99 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 141.54 - 3.08 = 138.46 (ft)
Levels were taken on 11/27/24 @ 1351
* Total Depth = 172.95

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T03S Dup
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-18

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging Bladder Pump Dedicated (Y/N)
Sampling Bladder Pump Dedicated (Y/N)

PURGING INFORMATION

Purge Date: 11/27/24 Start Purge: _____ End Purge: _____
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): _____

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 3.08 (ft) pH _____ (std.)
Ref. Measuring Pt. TIC SC _____ (umhos/cm)
Well Elevation * 629.73 (ft./msl) Temp. _____ (°C)
Water Level _____ (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. _____ (ft./msl)
Well Bottom Elevation * 456.70 (ft./msl)

COMMENTS

Sample Appearance/Odor: _____
Weather Conditions: _____
Turbidity: NTU
Other: *Reference Measurement
Depth To Water from L.S. = _____
Levels were taken on _____ @ _____
* Total Depth = 172.95
(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T09S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-19

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/03/24 Start Purge: 1125 End Purge: 1143
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.58

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 7.78 7.80 7.80 (std.)
Ref. Measuring Pt. TIC SC 1174 1176 1176 (umhos/cm)
Well Elevation * 603.49 (ft./msl) Temp. 9.34 9.35 9.35 (°C)
Water Level 110.78 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 492.71 (ft./msl)
Well Bottom Elevation * 444.80 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No odor
Weather Conditions: 27°F, Sunny, SW winds e 0-5 mph
Turbidity: 18.40 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 110.78 - 2.40 = 108.38 (ft.)
Levels were taken on 12/03/24 @ 1110
* Total Depth: 158.59

(Updated 10/23/2024)

Sampler Name (Print): Noc Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T06S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-260496-20

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/03/24 Start Purge: 1313 End Purge: 1328
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.48

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.30 (ft) pH 7.35 7.34 7.34 (std.)
Ref. Measuring Pt. TIC SC 785 778 778 (umhos/cm)
Well Elevation * 621.05 (ft./msl) Temp. 7.90 7.89 7.89 (°C)
Water Level 119.62 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 501.43 (ft./msl)
Well Bottom Elevation * 447.94 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 29°F Partly Sunny, SW winds e 5-10 mph
Turbidity: 0.54 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 119.62 - 2.30 = 117.32 (ft.)
Levels were taken on 12/03/24 @ 1258
* Total Deth = 173.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T01S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2604910-21

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1010 End Purge: 1026
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.21

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.48 (ft) pH 7.74 7.75 7.75 (std.)
Ref. Measuring Pt. TIC SC 1464 1467 1467 (umhos/cm)
Well Elevation * 621.83 (ft./msl) Temp. 5.85 5.85 5.85 (°C)
Water Level 126.06 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 495.77 (ft./msl)
Well Bottom Elevation * 451.46 (ft./msl)

COMMENTS

Sample Appearance/Odor: Gray, High Turbidity, Slight Odor
Weather Conditions: 36°F, Sunny, SW winds 5-10 mph
Turbidity: 355.00 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.06 - 2.48 = 123.58 (ft)
Levels were taken on 12/04/24 @ 0955.
* Total Depth = 170.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T11S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2604910-22

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (Y)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (Y)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1215 End Purge: 1235
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.39

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.74 (ft) pH 7.77 7.76 7.76 (std.)
Ref. Measuring Pt. TIC SC 937 933 933 (umhos/cm)
Well Elevation * 559.40 (ft./msl) Temp. 10.67 10.67 10.67 (°C)
Water Level 76.23 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 483.17 (ft./msl)
Well Bottom Elevation * 445.60 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, No Odor
Weather Conditions: 36°F, Cloudy, W winds e 5-10 mph
Turbidity 28.60 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 76.23 - 2.74 = 73.49 (ft.)
Levels were taken on 12/04/24 @ 1200
* Total Depth: 113.76

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]



Environment Testing

Eurofins Chicago

2417 Bond St
University Park, IL 60484-3182
Tel: 708 534 5200 Fax: 708 534 5211

Sample ID: T05S
Facility: Midwest Generation-Joliet #9 CCR
Job #: 500-2104910-23

Type Sample: Ground Water Surface Water Leachate Other: _____
(circle one)
Equipment Used: Purging _____ Bladder Pump _____ Dedicated (Y/N) (N)
Sampling _____ Bladder Pump _____ Dedicated (Y/N) (N)

PURGING INFORMATION

Purge Date: 12/04/24 Start Purge: 1355 End Purge: 1412
(2400 Hr. Clock)
Water Volume in Casing (gallons): N/A Volume Purged (gallons): 0.55

MEASUREMENTS

Well Diameter 2.0 (inches) 1st 2nd Final
Stick Up 2.40 (ft) pH 8.70 8.71 8.71 (std.)
Ref. Measuring Pt. TIC SC 2320 2320 2320 (umhos/cm)
Well Elevation * 623.41 (ft./msl) Temp. 6.76 6.76 6.76 (°C)
Water Level 126.32 (ft.) Well Stabilization / Recharge Grid
Ground Water Elev. 497.09 (ft./msl)
Well Bottom Elevation * 448.35 (ft./msl)

COMMENTS

Sample Appearance/Odor: Colorless, Clear, Moderate Odor
Weather Conditions: 40°F, Cloudy, W winds e 5-10 mph
Turbidity: 3.72 NTU
Other: *Reference Measurement
Depth To Water from L.S. = 126.32 - 2.40 = 123.92 (ft.)
Levels were taken on 12/04/24 @ 1340
* Total Deth = 175.00

(Updated 10/23/2024)

Sampler Name (Print): Noe Lopez Signature: [Signature]