



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

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

**Midwest Generation, LLC
Powerton Station
13082 E. Manito Rd.
Pekin, IL 61554**

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TABLE OF CONTENTS

OVERVIEW	1
1.0 INTRODUCTION	3
2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION.....	4
2.1 Field Procedures.....	4
2.2 Groundwater Flow Evaluation	4
3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS.....	6
3.1 Sampling Summary	6
3.2 Data Summary.....	6
3.3 Current Status.....	6
4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS	7
5.0 REFERENCES	8

FIGURE

1 – CCR Monitoring Wells Site Map

TABLES

1 – Groundwater Elevations
2 – Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate for FAB
3 – CCR Groundwater Sample Collection Summary for 2024
4 – FAB Appendix III Groundwater Analytical Results through 2024
5 – FAB Appendix IV Groundwater Analytical Results through 2024

ATTACHMENTS

1 – Groundwater Flow Contour Maps
2 – Analytical Data Packages

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 pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Powerton Generating Station. The wells sampled were selected to meet the monitoring requirements of the CCR Rule for the Former Ash Basin (FAB). The monitoring well network around this pond consists of monitoring wells (MW-01 [upgradient], MW-02, MW-03, MW-04, MW-05, and MW-10 [upgradient]) as shown on Figure 1.

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 is operating 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:
 - MW-01 – boron (1st and 4th quarters), pH (1st quarter)
 - MW-10 (upgradient) – boron (1st through 4th quarters), chloride (4th quarter), fluoride (1st through 4th quarters), sulfate and total Dissolved Solids (TDS) (1st and 2nd quarters)
 - MW-02 – boron (2nd through 4th quarters), TDS (2nd quarter)
 - MW-03 – boron (2nd quarter), chloride (1st and 3rd quarters)
 - MW-04 – boron (2nd through 4th quarters), chloride (4th quarter), fluoride (2nd quarter), sulfate (2nd through 4th quarters), TDS (2nd and 4th quarters)
 - MW-05 – boron (1st through 4th quarters), calcium (2nd quarter), chloride (1st, 2nd and 4th quarters), fluoride, sulfate and TDS (1st through 4th quarters)

Since a previously completed Appendix III Alternate Source Demonstration (ASD) in February 2020 was unsuccessful and the site was shifted to assessment monitoring under Section 257.95, completing another ASD for any Appendix III parameters not included in

the initial evaluation is not appropriate. As discussed further below, there were no verified Appendix IV parameter detections above established site-specific Groundwater Protection Standards (GWPSs).

- Section 257.90(e)(6)(iv) – In 2024 there were no confirmed statistically significant levels (SSLs) above-established GWPSs for the Appendix IV assessment monitoring constituents for this unit during the subject monitoring period.
- Section 257.90(e)(6)(v) – The subject unit is not under corrective action.
- Section 257.90(e)(6)(vi) – The subject unit is not under corrective action.

1.0 INTRODUCTION

The 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 Former Ash Basin (FAB) monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Powerton Generating Station. With the vacating of Section 257.100(b) through (d) in October 2016, the inactive Former Ash Basin (FAB), which is being planned for closure, was added to the CCR units that would require monitoring under the CCR Rule. Wells MW-02 through MW-05 and MW-10 were added to the CCR sampling program specifically for the FAB and are not part of the monitoring program for the Ash Bypass Basin (ABB) and Ash Surge Basin (ASB). Well MW-01 is also part of the FAB CCR monitoring program also in addition to being part of the CCR monitoring program for the ABB and ASB. Well MW-01 and MW-10 are upgradient wells and wells MW-02 through MW-05 are downgradient wells.

This annual report covers the work performed relative to CCR groundwater monitoring for the FAB during the calendar year 2024. It does not duplicate information or activities previously reported for 2023. 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 to date and summarizes conclusions and recommendations for the station going forward. The annual report for the ABB and ASB is provided under separate cover.

2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION

2.1 Field Procedures

As previously noted, the CCR groundwater monitoring network around the FAB consists of monitoring wells MW-01 (upgradient), MW-02 through MW-05 (downgradient), and MW-10 (upgradient) as shown on Figure 1. As part of sampling procedures, the integrity of all monitoring wells was inspected and water levels were obtained using an electronic water level meter (see summary of water level discussion below). All wells were found in generally good condition.

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. This table has been modified to include Illinois River water levels from the U.S. Geological Survey (USGS) Kingston Mine gage which is the nearest river gaging station to the site for each well gaging event. A review of water levels associated with the 2024 quarterly groundwater sampling events (February, June, September and November), shows that river water levels were slightly higher in elevation than those measured at downgradient monitoring well MW-04 (June and September) and wells MW-03/MW-04 (November) but the water elevations at these well locations are also lower than those from wells further to the south indicating they may be within a mixing zone. These are the two wells closest to the river. Based on this observation, it is noted that the water chemistry data from those wells, for those sampling events, may be skewed either lower or higher depending on the river water quality that may have mixed with groundwater in the vicinity of those wells.

Unlike the CCR monitoring network for the ABB/ASB which includes monitoring wells within both a shallow localized clay/silty clay unit and a deeper more extensive sand unit, all wells associated with the FAB monitoring are screened within the extensive sand unit which underlies the area (i.e., the localized shallow clay/silty clay unit does not extend beneath the FAB). Groundwater flow maps from the sampling performed in 2024 relative to the site are provided in Attachment 1.

In accordance with general groundwater sampling requirements under Section 257.93(c), Table 2 provides a summary of the flow direction and an estimated rate of groundwater flow for each sampling event. The flow rate was calculated using the following equation:

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

V_s is seepage velocity (distance/time)

K is hydraulic conductivity (distance/time)

dh/dl is hydraulic gradient (unitless)

n_e is effective porosity (unitless)

The hydraulic conductivity for the sandy unit used in Table 2 was based on a re-evaluation of slug test data performed by Patrick Engineering as part of a hydrogeologic assessment dated February 2011. The estimated effective porosity of the sandy materials (0.35) was obtained from literature (Applied Hydrogeology, Fetter, 1980).

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS

3.1 Sampling Summary

The groundwater sampling summary from 2024 is provided in Table 3, in accordance with 257.90 (e)(3). Federal CCR assessment monitoring requires groundwater sampling on a minimum semi-annual basis. Analytical data packages are included in Attachment 2.

3.2 Data Summary

The analytical data from the FAB assessment monitoring groundwater sampling for Appendix III and IV parameters is provided in Tables 4 and 5, respectively. Table 4 includes Prediction Limits (PLs) for Appendix III parameters that were established as part of the initial CCR Groundwater Monitoring Statistical Evaluation Summary dated December 2019. Table 5 includes GWPSs for detected Appendix IV constituents that were calculated as part of a report titled Statistical Evaluation Summary CCR Groundwater Assessment Monitoring – Former Ash Basin Powerton Generating Station dated June 22, 2020 (for summaries of Appendix III and IV statistical evaluations, see 2019 and 2020 CCR Compliance Reports, respectively). Both tables include the sample dates and whether the specific well is considered upgradient or downgradient relative to groundwater flow and the regulated unit. Based on the groundwater elevation discussion above, it is noted that the water chemistry data from wells MW-04 (2nd and 3rd quarters) and wells MW-03/MW-04 (4th quarter) may be skewed either lower or higher depending on the river water quality that may have mixed with groundwater in the vicinity of those wells.

There were no confirmed SSLs above established site-specific groundwater protection standards (GWPSs) for the Appendix IV assessment monitoring constituents for this unit during the subject monitoring period.

3.3 Current Status

The FAB was transitioned from detection monitoring to assessment monitoring in February 2020 and currently remains in assessment monitoring.

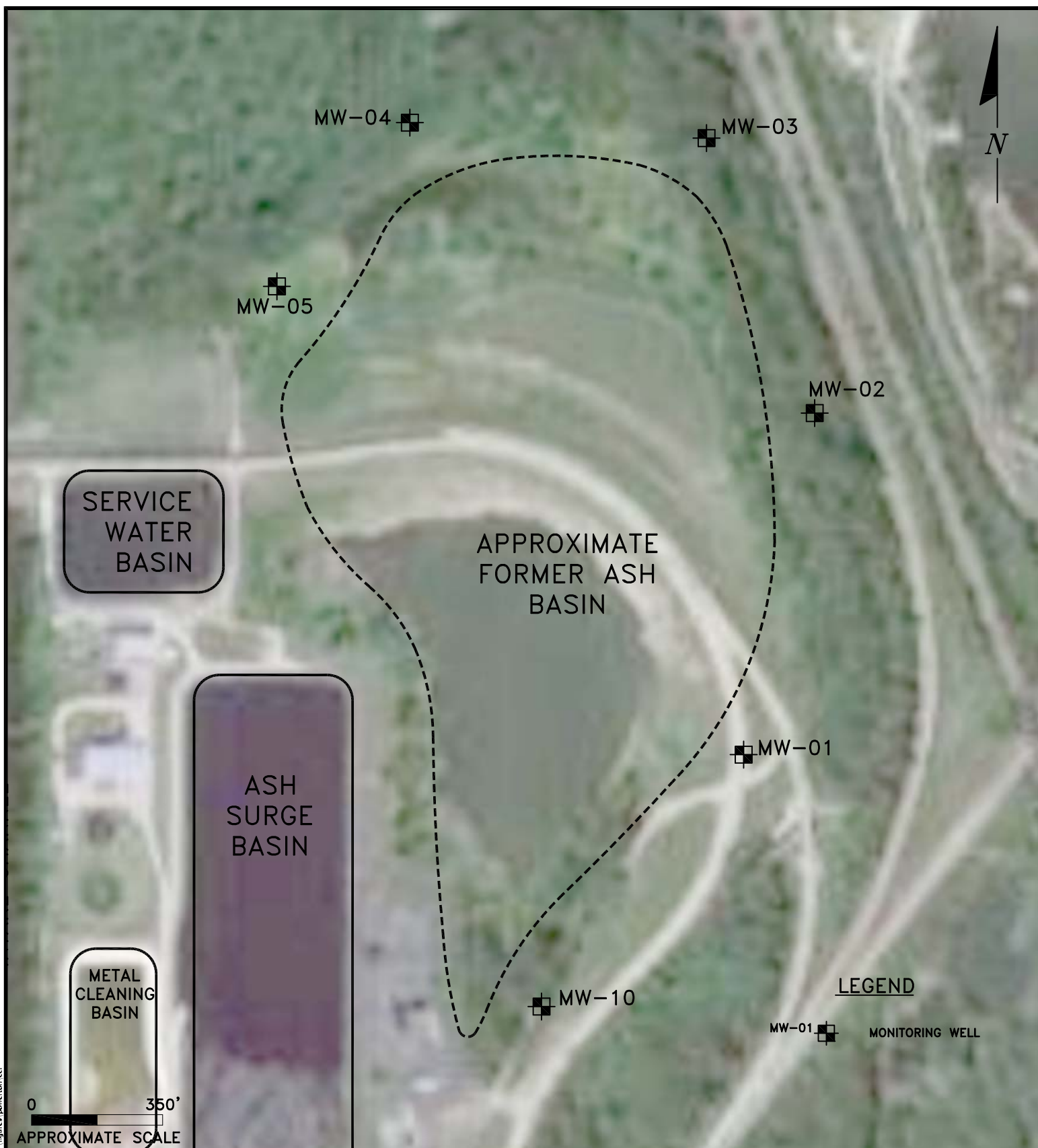
4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS

The assessment monitoring requirements in accordance with the CCR rule are being successfully met. There have been no recorded verified detections above established GWPSs for any parameter at any well. At this time, it is recommended that the station remain in assessment monitoring in accordance with Section 257.95.

5.0 REFERENCES

- Federal Register, Environmental Protection Agency, 40 CFR Parts 257 and 261, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals From Electric Utilities; Final Rule. Vol. 80, No. 74, Friday April 17, 2015.
- Patrick Engineering, Inc., Hydrogeologic Assessment Report – Powerton Generating Station, Pekin, IL. February 2011.
- KPRG and Associates, Inc., CCR Compliance Monitoring, Sampling and Analysis Plan, Midwest Generation, LLC Powerton Generating Station. October 10, 2017.
- KPRG and Associates, Inc., CCR Compliance Statistical Approach for Groundwater Data Evaluation, Midwest Generation, LLC Powerton Generating Station. October 10, 2017.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report – 2019. January 31, 2020.
- KPRG and Associates, Inc., Alternate Source Demonstration CCR Groundwater Monitoring – Former Ash Basin Powerton Generating Station. March 9, 2020.
- KPRG and Associates, Inc., CCR Compliance Statistical Evaluation Summary Groundwater Assessment Monitoring Former Ash Basin Powerton Generating Station. June 22, 2020.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report – 2020. January 31, 2021.
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- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report – 2022. January 31, 2023.
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FIGURE



ENVIRONMENTAL CONSULTATION & REMEDIATION

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FORMER ASH BASIN CCR MONITORING WELL SITE MAP

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 350'

Date: February 10, 2020

KPRG Project No. 12313.1

FIGURE 1

TABLES

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-01 up-gradient	11/16/2015	465.24	26.04	439.20	4.38	431.55
	2/22/2016	465.24	21.90	443.34	7.97	435.14
	5/16/2016	465.24	21.83	443.41	14.53	441.7
	8/15/2016	465.24	23.89	441.35	7.11	434.28
	11/14/2016	465.24	23.38	441.86	6.35	433.52
	2/13/2017	465.24	21.71	443.53	N/A	N/A
	5/1/2017	465.24	18.87	446.37	17.09	444.26
	6/20/2017	465.24	21.54	443.70	11.93	439.1
	8/25/2017	465.24	24.70	440.54	3.86	431.03
	11/8/2017	465.24	24.92	440.32	6.89	434.06
	5/17/2018	465.24	22.66	442.58	9.93	437.1
	8/8/2018	465.24	26.05	439.19	2.13	429.3
	10/30/2018	465.24	24.69	440.55	4.21	431.38
	2/25/2019	465.24	19.44	445.80	16.74	443.91
	4/29/2019	465.24	20.15	445.09	14.04	441.21
	8/26/2019	465.24	23.85	441.39	3.61	430.78
	2/24/2020	465.24	20.71	444.53	12.84	440.01
	4/27/2020	465.24	20.90	444.34	12.64	439.81
	12/7/2020	465.24	25.69	439.55	2.97	430.14
	2/22/2021	465.24	25.18	440.06	6.21	433.38
	4/7/2021	465.24	22.20	443.04	10.23	437.4
	5/10/2021	465.24	23.41	441.83	10.71	437.88
	6/2/2021	465.24	22.00	443.24	10.7	437.87
	6/28/2021	465.24	23.18	442.06	12.11	439.28
	7/19/2021	465.24	20.43	444.81	15.06	442.23
	8/23/2021	465.24	24.42	440.82	3.49	430.66
	9/30/2021	465.24	26.89	438.35	2.49	429.66
	10/27/2021	465.24	24.53	440.71	13.08	440.25
	11/29/2021	465.24	23.31	441.93	5.17	432.34
	12/30/2021	465.24	24.31	440.93	6.68	433.85
	1/6/2022	465.24	24.86	440.38	6.45	433.62
	2/7/2022	465.24	25.57	439.67	4.4	431.57
	3/1/2022	465.24	21.96	443.28	16.04	443.21
	4/22/2022	465.24	20.03	445.21	N/A	N/A
	5/24/2022	465.24	21.37	443.87	11.42	438.59
	6/6/2022	465.24	22.13	443.11	8.21	435.38
	7/25/2022	465.24	25.48	439.76	5.36	432.53
	8/29/2022	465.24	27.53	437.71	2.55	429.72
	9/28/2022	465.24	28.58	436.66	2.37	429.54
	10/26/2022	465.24	29.75	435.49	4.36	431.53
	11/14/2022	465.24	29.58	435.66	3.2	430.37
	12/28/2022	465.24	26.63	438.61	N/A	N/A
	1/24/2023	465.24	27.91	437.33	7.29	434.46
	2/20/2023	465.24	26.94	438.30	7.6	434.77
	3/28/2023	465.24	21.74	443.50	14.9	442.07
	4/25/2023	465.24	22.22	443.02	9.4	436.57
	5/15/2023	465.24	23.91	441.33	8.78	435.95
	6/26/2023	465.24	28.66	436.58	2.42	429.59
	7/25/2023	465.24	28.06	437.18	3.67	430.84
	8/28/2023	465.24	28.85	436.39	3.26	430.43
	9/27/2023	465.24	29.42	435.82	3.35	430.52
	10/27/2023	465.24	29.16	436.08	3.98	431.15
	11/6/2023	465.24	29.23	436.01	3.65	430.82
	12/21/2023	465.24	29.21	436.03	6.12	433.29
	1/24/2024	465.24	25.03	440.21	12.92	440.09
	2/19/2024	465.24	21.02	444.22	12.74	439.91
	3/26/2024	465.24	23.38	441.86	10.10	437.27
	4/12/2024	465.24	20.90	444.34	16.79	443.96
	5/15/2024	465.24	19.90	445.34	15.90	443.07
	6/17/2024	465.24	23.31	441.93	12.03	439.2
	7/25/2024	465.24	23.94	441.30	12.63	439.8
	8/21/2024	465.24	26.36	438.88	11.76	438.93
	9/9/2024	465.24	28.58	436.66	11.82	438.99
	10/29/2024	465.24	29.54	435.70	2.16	429.33
	11/18/2024	465.24	29.19	436.05	4.14	431.31
	12/10/2024	465.24	29.55	435.69	2.80	429.97

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-02 down-gradient	6/20/2017	462.60	22.04	440.56	11.93	439.1
	8/23/2017	462.60	28.42	434.18	3.86	431.03
	11/7/2017	462.60	26.08	436.52	6.89	434.06
	5/17/2018	462.60	23.26	439.34	9.93	437.1
	8/7/2018	462.60	29.70	432.90	2.13	429.3
	10/30/2018	462.60	26.77	435.83	4.21	431.38
	2/25/2019	462.60	17.02	445.58	16.74	443.91
	4/29/2019	462.60	19.26	443.34	14.04	441.21
	8/26/2019	462.60	27.45	435.15	3.61	430.78
	2/24/2020	462.60	20.35	442.25	12.84	440.01
	4/27/2020	462.60	20.51	442.09	12.64	439.81
	12/7/2020	462.60	28.71	433.89	2.97	430.14
	2/22/2021	462.60	25.90	436.70	6.21	433.38
	4/7/2021	462.60	21.95	440.65	10.23	437.4
	5/10/2021	462.60	23.01	439.59	10.71	437.88
	6/2/2021	462.60	21.74	440.86	10.7	437.87
	6/28/2021	462.60	22.24	440.36	12.11	439.28
	7/19/2021	462.60	18.66	443.94	15.06	442.23
	8/23/2021	462.60	27.95	434.65	3.49	430.66
	9/30/2021	462.60	30.44	432.16	2.49	429.66
	10/27/2021	462.60	22.74	439.86	13.08	440.25
	11/29/2021	462.60	25.57	437.03	5.17	432.34
	12/30/2021	462.60	25.11	437.49	6.68	433.85
	1/6/2022	462.60	24.96	437.64	6.45	433.62
	2/7/2022	462.60	27.47	435.13	4.4	431.57
	3/1/2022	462.60	18.06	444.54	16.04	443.21
	4/22/2022	462.60	18.63	443.97	N/A	N/A
	5/24/2022	462.60	21.44	441.16	11.42	438.59
	6/6/2022	462.60	21.14	441.46	8.21	435.38
	7/25/2022	462.60	29.28	433.32	5.36	432.53
	8/29/2022	462.60	30.28	432.32	2.55	429.72
	9/28/2022	462.60	31.81	430.79	2.37	429.54
	10/26/2022	462.60	32.84	429.76	4.36	431.53
	11/14/2022	462.60	32.03	430.57	3.2	430.37
	12/28/2022	462.60	29.35	433.25	N/A	N/A
	1/24/2023	462.60	28.25	434.35	7.29	434.46
	2/20/2023	462.60	27.12	435.48	7.6	434.77
	3/28/2023	462.60	19.46	443.14	14.9	442.07
	4/25/2023	462.60	22.50	440.10	9.4	436.57
	5/15/2023	462.60	24.26	438.34	8.78	435.95
	6/26/2023	462.60	31.12	431.48	2.42	429.59
	7/25/2023	462.60	30.16	432.44	3.67	430.84
	8/28/2023	462.60	31.25	431.35	3.26	430.43
	9/27/2023	462.60	31.46	431.14	3.35	430.52
	10/27/2023	462.60	30.02	432.58	3.98	431.15
	11/6/2023	462.60	30.52	432.08	3.65	430.82
	12/21/2023	462.60	30.44	432.16	6.12	433.29
	1/24/2024	462.60	21.69	440.91	12.92	440.09
	2/19/2024	462.60	20.33	442.27	12.74	439.91
	3/26/2024	462.60	22.91	439.69	10.10	437.27
	4/12/2024	462.60	17.11	445.49	16.79	443.96
	5/15/2024	462.60	17.68	444.92	15.90	443.07
	6/17/2024	462.60	25.79	436.81	12.03	439.2
	7/25/2024	462.60	23.13	439.47	12.63	439.8
	8/21/2024	462.60	29.40	433.20	11.76	438.93
	9/9/2024	462.60	31.72	430.88	11.82	438.99
	10/29/2024	462.60	31.04	431.56	2.16	429.33
	11/18/2024	462.60	30.77	431.83	4.14	431.31
	12/10/2024	462.60	31.32	431.28	2.80	429.97

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-03 down- gradient	6/20/2017	462.48	22.31	440.17	11.93	439.1
	8/23/2017	462.48	28.18	434.30	3.86	431.03
	11/7/2017	462.48	25.38	437.10	6.89	434.06
	5/17/2018	462.48	22.62	439.86	9.93	437.1
	8/7/2018	462.48	29.17	433.31	2.13	429.3
	10/30/2018	462.48	24.71	437.77	4.21	431.38
	2/25/2019	462.48	17.20	445.28	16.74	443.91
	4/29/2019	462.48	18.85	443.63	14.04	441.21
	8/26/2019	462.48	27.65	434.83	3.61	430.78
	2/24/2020	462.48	20.18	442.30	12.84	440.01
	4/27/2020	462.48	20.43	442.05	12.64	439.81
	12/7/2020	462.48	28.61	433.87	2.97	430.14
	2/22/2021	462.48	23.48	439.00	6.21	433.38
	4/7/2021	462.48	21.73	440.75	10.23	437.4
	5/10/2021	462.48	22.98	439.50	10.71	437.88
	6/2/2021	462.48	21.53	440.95	10.7	437.87
	6/28/2021	462.48	21.98	440.50	12.11	439.28
	7/19/2021	462.48	18.35	444.13	15.06	442.23
	8/23/2021	462.48	27.85	434.63	3.49	430.66
	9/30/2021	462.48	30.32	432.16	2.49	429.66
	10/27/2021	462.48	22.34	440.14	13.08	440.25
	11/29/2021	462.48	22.86	439.62	5.17	432.34
	12/30/2021	462.48	23.14	439.34	6.68	433.85
	1/6/2022	462.48	23.13	439.34	6.45	433.62
	2/7/2022	462.48	24.08	438.40	4.4	431.57
	3/1/2022	462.48	18.92	443.56	16.04	443.21
	4/22/2022	462.48	17.98	444.50	N/A	N/A
	5/24/2022	462.48	21.14	441.34	11.42	438.59
	6/6/2022	462.48	22.50	439.98	8.21	435.38
	7/25/2022	462.48	29.11	433.37	5.36	432.53
	8/29/2022	462.48	30.31	432.17	2.55	429.72
	9/28/2022	462.48	32.27	430.21	2.37	429.54
	10/26/2022	462.48	33.83	428.65	4.36	431.53
	11/14/2022	462.48	33.51	428.97	3.2	430.37
	12/28/2022	462.48	30.21	432.27	N/A	N/A
	1/24/2023	462.48	30.19	432.29	7.29	434.46
	2/20/2023	462.48	28.45	434.03	7.6	434.77
	3/28/2023	462.48	19.55	442.93	14.9	442.07
	4/25/2023	462.48	22.15	440.33	9.4	436.57
	5/15/2023	462.48	23.46	439.02	8.78	435.95
	6/26/2023	462.48	31.47	431.01	2.42	429.59
	7/25/2023	462.48	30.42	432.06	3.67	430.84
	8/28/2023	462.48	31.29	431.19	3.26	430.43
	9/27/2023	462.48	32.32	430.16	3.35	430.52
	10/27/2023	462.48	31.72	430.76	3.98	431.15
	11/6/2023	462.48	31.45	431.03	3.65	430.82
	12/21/2023	462.48	31.50	430.98	6.12	433.29
	1/24/2024	462.48	21.49	440.99	12.92	440.09
	2/19/2024	462.48	19.10	443.38	12.74	439.91
	3/26/2024	462.48	22.72	439.76	10.10	437.27
	4/12/2024	462.48	17.92	444.56	16.79	443.96
	5/15/2024	462.48	17.37	445.11	15.90	443.07
	6/17/2024	462.48	25.51	436.97	12.03	439.2
	7/25/2024	462.48	23.52	438.96	12.63	439.8
	8/21/2024	462.48	28.38	434.10	11.76	438.93
	9/9/2024	462.48	31.53	430.95	11.82	438.99
	10/29/2024	462.48	32.31	430.17	2.16	429.33
	11/18/2024	462.48	31.65	430.83	4.14	431.31
	12/10/2024	462.48	31.85	430.63	2.80	429.97

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-04 down-gradient	6/20/2017	460.57	22.15	438.42	11.93	439.1
	8/28/2017	460.57	28.49	432.08	3.86	431.03
	11/7/2017	460.57	25.62	434.95	6.89	434.06
	5/17/2018	460.57	24.13	436.44	9.93	437.1
	8/7/2018	460.57	29.23	431.34	2.13	429.3
	10/30/2018	460.57	26.58	433.99	4.21	431.38
	2/25/2019	460.57	15.45	445.12	16.74	443.91
	4/29/2019	460.57	15.88	444.69	14.04	441.21
	8/26/2019	460.57	27.35	433.22	3.61	430.78
	2/24/2020	460.57	19.81	440.76	12.84	440.01
	4/27/2020	460.57	19.76	440.81	12.64	439.81
	12/7/2020	460.57	28.50	432.07	2.97	430.14
	2/22/2021	460.57	26.44	434.13	6.21	433.38
	4/7/2021	460.57	21.90	438.67	10.23	437.4
	5/10/2021	460.57	23.92	436.65	10.71	437.88
	6/2/2021	460.57	21.41	439.16	10.7	437.87
	6/28/2021	460.57	22.40	438.17	12.11	439.28
	7/19/2021	460.57	17.22	443.35	15.06	442.23
	8/23/2021	460.57	27.81	432.76	3.49	430.66
	9/30/2021	460.57	30.01	430.56	2.49	429.66
	10/27/2021	460.57	22.29	438.28	13.08	440.25
	11/29/2021	460.57	25.83	434.74	5.17	432.34
	12/30/2021	460.57	25.79	434.78	6.68	433.85
	1/6/2022	460.57	25.30	435.27	6.45	433.62
	2/7/2022	460.57	27.95	432.62	4.4	431.57
	3/1/2022	460.57	16.63	443.94	16.04	443.21
	4/22/2022	460.57	16.81	443.76	N/A	N/A
	5/24/2022	460.57	20.89	439.68	11.42	438.59
	6/6/2022	460.57	22.89	437.68	8.21	435.38
	7/25/2022	460.57	29.18	431.39	5.36	432.53
	8/29/2022	460.57	29.71	430.86	2.55	429.72
	9/28/2022	460.57	31.42	429.15	2.37	429.54
	10/26/2022	460.57	32.38	428.19	4.36	431.53
	11/14/2022	460.57	32.80	427.77	3.2	430.37
	12/28/2022	460.57	29.21	431.36	N/A	N/A
	1/24/2023	460.57	27.79	432.78	7.29	434.46
	2/20/2023	460.57	26.46	434.11	7.6	434.77
	3/28/2023	460.57	17.49	443.08	14.9	442.07
	4/25/2023	460.57	22.01	438.56	9.4	436.57
	5/15/2023	460.57	24.29	436.28	8.78	435.95
	6/26/2023	460.57	30.13	430.44	2.42	429.59
	7/25/2023	460.57	29.88	430.69	3.67	430.84
	8/28/2023	460.57	30.60	429.97	3.26	430.43
	9/27/2023	460.57	30.90	429.67	3.35	430.52
	10/27/2023	460.57	28.72	431.85	3.98	431.15
	11/6/2023	460.57	29.99	430.58	3.65	430.82
	12/21/2023	460.57	30.02	430.55	6.12	433.29
	1/24/2024	460.57	21.07	439.50	12.92	440.09
	2/19/2024	460.57	18.39	442.18	12.74	439.91
	3/26/2024	460.57	22.53	438.04	10.10	437.27
	4/12/2024	460.57	15.44	445.13	16.79	443.96
	5/15/2024	460.57	15.82	444.75	15.90	443.07
	6/17/2024	460.57	25.68	434.89	12.03	439.2
	7/25/2024	460.57	23.30	437.27	12.63	439.8
	8/21/2024	460.57	29.40	431.17	11.76	438.93
	9/9/2024	460.57	31.19	429.38	11.82	438.99
	10/29/2024	460.57	29.89	430.68	2.16	429.33
	11/18/2024	460.57	29.98	430.59	4.14	431.31
	12/10/2024	460.57	30.51	430.06	2.80	429.97

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-05 down-gradient	11/16/2015	458.58	26.39	432.19	4.38	431.55
	2/22/2016	458.66	21.12	437.54	7.97	435.14
	5/16/2016	458.66	16.58	442.08	14.53	441.7
	8/15/2016	458.66	23.59	435.07	7.11	434.28
	11/14/2016	458.66	22.72	435.94	6.35	433.52
	2/13/2017	458.66	19.13	439.53	N/A	N/A
	5/1/2017	458.66	13.09	445.57	17.09	444.26
	6/20/2017	458.66	19.43	439.15	11.93	439.1
	8/28/2017	458.66	25.38	433.20	3.86	431.03
	11/7/2017	458.66	22.91	435.67	6.89	434.06
	5/17/2018	458.66	21.54	437.04	9.93	437.1
	8/7/2018	458.66	26.17	432.41	2.13	429.3
	10/30/2018	458.66	23.97	434.61	4.21	431.38
	2/25/2019	458.66	13.21	445.45	16.74	443.91
	4/29/2019	458.66	15.40	443.26	14.04	441.21
	8/26/2019	458.66	24.35	434.31	3.61	430.78
	2/24/2020	458.66	17.25	441.41	12.84	440.01
	4/27/2020	458.66	17.41	441.25	12.64	439.81
	12/7/2020	458.66	25.65	433.01	2.97	430.14
	2/22/2021	458.66	23.82	434.84	6.21	433.38
	4/7/2021	458.66	19.40	439.26	10.23	437.4
	5/10/2021	458.66	21.38	437.28	10.71	437.88
	6/2/2021	458.66	18.99	439.67	10.7	437.87
	6/28/2021	458.66	22.20	436.46	12.11	439.28
	7/19/2021	458.66	14.98	443.68	15.06	442.23
	8/23/2021	458.66	24.85	433.81	3.49	430.66
	9/30/2021	458.66	26.98	431.68	2.49	429.66
	10/27/2021	458.66	20.00	438.66	13.08	440.25
	11/29/2021	458.66	23.13	435.53	5.17	432.34
	12/30/2021	458.66	23.20	435.46	6.68	433.85
	1/6/2022	458.66	22.80	435.86	6.45	433.62
	2/7/2022	458.66	25.22	433.44	4.40	431.57
	3/1/2022	458.66	14.52	444.14	16.04	443.21
	4/22/2022	458.66	14.59	444.07	N/A	N/A
	5/24/2022	458.66	18.32	440.34	11.42	438.59
	6/6/2022	458.66	17.06	441.60	8.21	435.38
	7/25/2022	458.66	26.02	432.64	5.36	432.53
	8/29/2022	458.66	26.70	431.96	2.55	429.72
	9/28/2022	458.66	28.10	430.56	2.37	429.54
	10/26/2022	458.66	28.96	429.70	4.36	431.53
	11/14/2022	458.66	28.44	430.22	3.20	430.37
	12/28/2022	458.66	26.04	432.62	N/A	N/A
	1/24/2023	458.66	24.93	433.73	7.29	434.46
	2/20/2023	458.66	23.72	434.94	7.60	434.77
	3/28/2023	458.66	16.49	442.17	14.9	442.07
	4/25/2023	458.66	19.50	439.16	9.4	436.57
	5/15/2023	458.66	21.71	436.95	8.78	435.95
	6/26/2023	458.66	27.11	431.55	2.42	429.59
	7/25/2023	458.66	26.76	431.90	3.67	430.84
	8/28/2023	458.66	27.46	431.20	3.26	430.43
	9/27/2023	458.66	27.73	430.93	3.35	430.52
	10/27/2023	458.66	26.00	432.66	3.98	431.15
	11/6/2023	458.66	26.98	431.68	3.65	430.82
	12/21/2023	458.66	26.91	431.75	6.12	433.29
	1/24/2024	458.66	18.87	439.79	12.92	440.09
	2/19/2024	458.66	15.88	442.78	12.74	439.91
	3/26/2024	458.66	19.99	438.67	10.10	437.27
	4/12/2024	458.66	13.35	445.31	16.79	443.96
	5/15/2024	458.66	13.73	444.93	15.90	443.07
	6/17/2024	458.66	22.64	436.02	12.03	439.2
	7/25/2024	458.66	20.59	438.07	12.63	439.8
	8/21/2024	458.66	26.17	432.49	11.76	438.93
	9/9/2024	458.66	27.95	430.71	11.82	438.99
	10/29/2024	458.66	27.05	431.61	2.16	429.33
	11/18/2024	458.66	26.98	431.68	4.14	431.31
	12/10/2024	458.66	27.51	431.15	2.80	429.97

Table 1. Groundwater Elevations for FAB Wells- Midwest Generation, LLC, Powerton Station, Pekin, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)	Illinois River Gage Reading* (ft above datum)	Illinois River Gage Reading* (ft above MSL)
MW-10 up-gradient	6/22/2017	457.31	13.46	443.85	N/A	N/A
	8/24/2017	457.31	16.39	440.92	3.79	430.96
	11/9/2017	457.31	16.86	440.45	6.7	433.87
	5/16/2018	457.31	14.88	442.43	9.67	436.84
	8/8/2018	457.31	17.88	439.43	2.13	429.3
	10/30/2018	457.31	17.04	440.27	4.21	431.38
	2/25/2019	457.31	11.28	446.03	16.74	443.91
	4/29/2019	457.31	11.88	445.43	14.04	441.21
	8/26/2019	457.31	15.89	441.42	3.61	430.78
	2/24/2020	457.31	12.64	444.67	12.84	440.01
	4/27/2020	457.31	12.75	444.56	12.64	439.81
	12/7/2020	457.31	17.80	439.51	2.97	430.14
	2/22/2021	457.31	17.25	440.06	6.21	433.38
	4/7/2021	457.31	14.21	443.10	10.23	437.4
	5/10/2021	457.31	15.58	441.73	10.71	437.88
	6/2/2021	457.31	13.98	443.33	10.7	437.87
	6/28/2021	457.31	15.28	442.03	12.11	439.28
	7/19/2021	457.31	12.30	445.01	15.06	442.23
	8/23/2021	457.31	16.61	440.70	3.49	430.66
	9/30/2021	457.31	18.67	438.64	2.49	429.66
	10/25/2021	457.31	16.23	441.08	10.56	437.73
	11/29/2021	457.31	15.52	441.79	5.17	432.34
	12/30/2021	457.31	16.50	440.81	6.68	433.85
	1/6/2022	457.31	16.82	440.49	6.45	433.62
	2/7/2022	457.31	17.70	439.61	4.4	431.57
	3/1/2022	457.31	13.77	443.54	16.04	443.21
	4/22/2022	457.31	11.80	445.51	N/A	N/A
	5/24/2022	457.31	13.20	444.11	11.42	438.59
	6/6/2022	457.31	14.07	443.24	8.21	435.38
	7/25/2022	457.31	17.53	439.78	5.36	432.53
	8/29/2022	457.31	19.08	438.23	2.55	429.72
	9/28/2022	457.31	20.16	437.15	2.37	429.54
	10/26/2022	457.31	21.23	436.08	4.36	431.53
	11/14/2022	457.31	21.06	436.25	3.2	430.37
	12/28/2022	457.31	18.71	438.60	N/A	N/A
	1/24/2023	457.31	19.50	437.81	7.29	434.46
	2/20/2023	457.31	18.65	438.66	7.6	434.77
	3/28/2023	457.31	13.66	443.65	14.9	442.07
	4/25/2023	457.31	14.14	443.17	9.4	436.57
	5/15/2023	457.31	15.90	441.41	8.78	435.95
	6/26/2023	457.31	20.10	437.21	2.42	429.59
	7/25/2023	457.31	19.69	437.62	3.67	430.84
	8/28/2023	457.31	20.38	436.93	3.26	430.43
	9/28/2023	457.31	20.93	436.38	3.35	430.52
	10/27/2023	457.31	20.67	436.64	3.98	431.15
	11/6/2023	457.31	20.81	436.50	3.65	430.82
	12/21/2023	457.31	20.80	436.51	6.12	433.29
	1/24/2024	457.31	16.73	440.58	12.92	440.09
	2/19/2024	457.31	13.05	444.26	12.74	439.91
	3/26/2024	457.31	15.33	441.98	10.10	437.27
	4/12/2024	457.31	12.93	444.38	16.79	443.96
	5/15/2024	457.31	11.78	445.53	15.90	443.07
	6/17/2024	457.31	15.18	442.13	12.03	439.2
	7/25/2024	457.31	15.78	441.53	12.63	439.8
	8/21/2024	457.31	18.15	439.16	11.76	438.93
	9/9/2024	457.31	18.15	439.16	11.82	438.99
	10/29/2024	457.31	20.96	436.35	2.16	429.33
	11/18/2024	457.31	20.64	436.67	4.14	431.31
	12/10/2024	457.31	21.01	436.30	2.80	429.97

Notes: Elevations are in feet above mean sea level and Depths are in feet below top of casing.

*- Data obtained from USGS Kingston Mine Gage

MSL - Mean Sea Level

TOC - Top of Casing

BOLD- River elevation above groundwater elevation

Table 2. Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate - Powerton Generation Station - Former Ash Basin

DATE	Screened Unit	Groundwater Flow Direction	Kavg (ft/sec)*	Average Hydraulic Gradient (ft/ft)	Porosity (unitless)**	Estimated Seepage Velocity (ft/day)
5/15/2023	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0031	0.35	1.05
8/28/2023	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0034	0.35	1.16
11/6/2023	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0053	0.35	1.83
2/19/2024	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0016	0.35	0.55
6/17/2024	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0036	0.35	1.23
9/9/2024	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0049	0.35	1.67
11/18/2024	Sandy	Northerly (Northwest - Northeast)	1.390E-03	0.0039	0.35	1.36

* Kavg - Pre-2021 K values from Hydrologic Assessment Report, Patrick Engineering, February 2011. 2021 K values from re-evaluation of slug test data as part of groundwater modeling in support of Application for Construction Permit per Illinois State CCR Rule.

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

Table 3. CCR Groundwater Sample Collection Summary for 2024 - Powerton Generating Station Former Ash Basin

Well ID	Number of Groundwater Sampling Events	Dates of Groundwater Sampling Events	Detection Monitoring (D) versus Assessment Monitoring (A)
MW-01 (Upgradient)	4	2/21/2024	A
		6/19/2024	A
		9/11/2024	A
		11/21/2024	A
MW-10 (Upgradient)	4	2/21/2024	A
		6/19/2024	A
		9/11/2024	A
		11/21/2024	A
MW-02 (Downgradient)	4	2/22/2024	A
		6/19/2024	A
		9/10/2024	A
		11/19/2024	A
MW-03 (Downgradient)	4	2/22/2024	A
		6/19/2024	A
		9/10/2024	A
		11/19/2024	A
MW-04 (Downgradient)	4	2/22/2024	A
		6/19/2024	A
		9/10/2024	A
		11/19/2024	A
MW-05 (Downgradient)	4	2/22/2024	A
		6/19/2024	A
		9/10/2024	A
		11/19/2024	A

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Former Ash Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-01 up-gradient	11/16/2015	1.0	98	44	0.17	7.07	93	530
	2/25/2016	0.2	110	42	0.16	7.23	54	460
	5/20/2016	0.34	100	44	0.17	6.95	65	430
	8/17/2016	0.27	78	39	0.25	7.16	50	530
	11/16/2016	0.18	97	39	0.21	7.22	32	500
	2/14/2017	0.18	120	55	0.17	7.30	60	550
	5/3/2017	0.19	86	66	0.16	7.41	45	460
	6/21/2017	0.18	85	58	0.18	7.60	47	540
	8/25/2017	0.56	86	41	0.18	7.41	63	490
	11/8/2017	0.57	130	38	0.12	6.69	61	640
	5/17/2018	0.15	88	50	0.12	6.70	48	540
	8/8/2018	0.14	86	48	0.13	6.80	43	430
	4/30/2019	0.07	78	54	0.17	7.20	27	450
	Pred. Limit*	0.968	130.7	66.4	0.246	7.75-6.52	89	634.4
	8/26/2019	0.57	100	39	0.13	7.15	71	550
	2/24/2020	0.28	87	53	0.21	7.19	34	410
	4/28/2020	0.33	110	46	0.19	7.17	41	470
	12/7/2020	0.59	100	54	0.25	7.22	55	640
	5/11/2021	0.21	85	51	0.21	7.52	37	450
	8/24/2021	0.27	99	40	0.18	7.19	56	430
	11/30/2021	0.35	84	41	0.19	7.14	28	410
	2/9/2022	0.18	96	47	0.17	7.33	48	520
	6/7/2022	0.21	81	51	0.14	7.62	27	430
	8/30/2022	0.59	92	44	0.15	7.10	66	810
	11/15/2022	0.74	110	47	0.1	7.15	45	530
	2/22/2023	0.46	110	52	< 0.1	7.51	43	500
	5/17/2023	0.29	91	39	< 0.10	7.23	39	400
	8/29/2023	0.59	100	47	< 0.10	6.98	43	530
	11/7/2023	0.45	110	50	< 0.10	6.95	68	590
	2/21/2024	1.5	120	46	0.10	7.12	81	580
	6/19/2024	0.14	100	78	0.12	6.48	29	550
	7/25/2024 R	NS	NS	57	NS	6.80	NS	NS
	9/11/2024	0.18	78	F1 61	0.15	7.17	35	430
	11/21/2024	1.4	110	46	0.11	7.03	51	580
MW-10 up-gradient	6/22/2017	0.46	100	48	0.19	6.81	54	1.0
	8/24/2017	0.32	93	51	0.18	7.14	57	480
	11/9/2017	0.36	98	48	0.18	6.78	64	500
	5/16/2018	0.42	93	44	0.19	7.64	80	530
	8/8/2018	0.39	99	58	0.19	7.10	60	550
	10/30/2018	0.34	110	49	0.22	7.65	49	510
	2/26/2019	0.39	150	48	0.21	6.77	36	540
	5/1/2019	0.35	92	50	0.22	6.81	30	470
	Pred. Limit*	0.499	150	60	0.241	7.65-6.77	95	598
	8/26/2019	0.30	84	48	0.19	7.09	30	410
	2/25/2020	1.40	110	45	0.23	6.82	59	500
	4/28/2020	1.00	110	41	0.24	6.80	64	550
	12/8/2020	2.40	120	44	0.26	7.11	71	550
	5/11/2021	0.64	100	52	0.24	7.01	59	540
	8/24/2021	0.42	98	53	0.21	6.87	46	420
	11/30/2021	0.42	100	47	0.19	6.99	36	530
	2/9/2022	0.41	94	48	0.22	6.88	50	530
	6/7/2022	0.43	85	44	0.21	7.09	38	390
	8/30/2022	0.38	92	45	0.22	6.83	38	590
	11/15/2022	0.44	99	49	0.28	7.03	48	470
	2/22/2023	1.3	100	40	0.22	7.57	66	510
	5/17/2023	1.8	130	34	0.25	7.07	84	610
	8/29/2023	1.3	96	56	0.29	7.00	50	510
	11/7/2023	2.4	110	42	0.31	7.11	150	630
	12/22/2023R	NS	NS	NS	0.30	NS	120	610
	2/21/2024	6.5	110	37	0.26	7.21	150	660
	6/19/2024	5.8	130	35	0.28	6.95	150	710
	9/11/2024	2.9	110	53	0.29	6.94	72	590
	11/21/2024	0.87	22	62	0.30	7.16	39	510
MW-02 down-gradient	6/20/2017	0.33	90	55	0.19	7.01	47	500
	8/23/2017	V 1.30	86	49	0.19	7.40	61	440
	11/7/2017	3.70	98	46	0.17	7.10	88	550
	5/15/2018	0.22	80	45	0.23	7.71	54	500
	8/7/2018	1.50	89	54	0.15	7.09	51	530
	10/30/2018	0.23	86	43	0.17	7.83	34	480
	2/26/2019	0.07	69	49	0.16	7.82	23	400
	4/30/2019	0.12	79	48	0.16	7.60	30	440
	Pred. Limit	0.77	132	62	0.25	7.69-6.54	85	609
	8/26/2019	0.51	86	50	0.18	7.13	32	400
	2/24/2020	0.33	89	53	0.20	7.43	37	410
	4/28/2020	0.33	90	50	0.20	7.32	41	430
	12/9/2020	0.66	100	41	0.15	7.78	64	430
	5/11/2021	0.23	79	51	0.21	7.70	37	370
	8/24/2021	0.63	94	47	0.17	7.31	56	340
	11/30/2021	0.22	87	41	0.14	7.39	36	380
	2/8/2022	0.27	95	47	0.2	7.69	49	550
	6/7/2022	0.23	86	49	0.16	7.73	32	440
	8/30/2022	1.1	95	45	0.15	7.22	75	690
	11/14/2022	1.6	96	49	0.21	7.14	63	480
	2/21/2023	2.5	110	49	0.14	7.64	92	630
	5/16/2023	0.53	83	47	0.15	7.48	33	400
	8/28/2023	2.7	94	46	0.16	7.17	70	490
	11/7/2023	3.6	120	45	0.15	7.14	170	680
	12/22/2023R	5.2	NS	NS	NS	NS	140	670
	2/22/2024	0.25	76	62	0.14	7.43	47	480
	6/19/2024	1.4	110	57	0.15	6.69	82	610
	9/10/2024	3.9	110	55	0.15	7.19	83	590
	11/19/2024	1.8	87	60	0.14	7.14	49	510

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

Bold - Potential statistically significant increase.

V- Serial dilution exceeds control limits.

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

H- Sample was prepped or analyzed beyond specified holding time

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Former Ash Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-03 down-gradient	6/20/2017	0.4	76	54	0.29	7.26	49	480
	8/23/2017	0.40	79	52	0.28	7.44	52	430
	11/7/2017	0.31	79	62	0.26	7.04	61	460
	5/15/2018	0.35	87	66	0.27	7.53	77	520
	8/7/2018	0.40	82	67	0.22	6.60	49	500
	10/30/2018	0.20	74	44	0.25	7.84	26	400
	2/26/2019	0.06	74	56	0.24	7.49	25	410
	4/30/2019	0.28	74	49	0.22	7.17	38	390
	Pred. Limit	0.77	132	62	0.25	7.69-6.54	85	609
	8/26/2019	0.31	75	50	0.26	7.17	14	380
	2/24/2020	0.33	87	53	0.22	7.10	65	470
	4/28/2020	0.24	86	46	0.22	7.03	79	410
	12/9/2020	0.86	92	45	0.28	7.46	60	390
	5/11/2021	0.22	75	49	0.21	7.33	38	390
	8/24/2021	0.41	81	46	0.25	7.15	32	310
	11/30/2021	0.3	76	47	0.26	7.20	23	350
	2/8/2022	0.2	94	47	0.21	7.22	50	550
	6/7/2022	0.37	79	45	0.22	7.37	47	370
	8/30/2022	0.57	87	50	0.21	7.10	51	710
	11/14/2022	0.42	81	49	0.28	7.23	44	430
	2/21/2023	1.0	96	53	0.20	7.75	70	550
	5/16/2023	0.15	80	69	0.21	7.42	31	420
	8/28/2023	0.32	73	82	0.2	7.28	36	430
	11/7/2023	1.1	90	59	0.19	7.29	91	530
	12/22/2023 R	2.0	NS	NS	NS	NS	81	NS
	2/22/2024	0.19	88	64	0.20	7.51	66	520
	6/19/2024	0.93	100	54	0.24	6.80	73	540
	9/10/2024	0.21	78	68	0.19	7.27	21	420
	11/19/2024	0.67	84	58	0.18	7.18	48	510
MW-04 down-gradient	6/20/2017	0.5	77	55	0.29	7.45	53	480
	8/28/2017	V	0.73	90	0.33	7.13	110	680
	11/7/2017	0.60	110	94	0.24	6.80	130	650
	5/15/2018	0.68	87	66	0.27	7.63	100	630
	8/7/2018	0.79	84	71	0.32	6.72	49	510
	10/30/2018	0.54	100	80	0.24	7.55	91	690
	2/26/2019	0.38	79	55	0.25	7.18	52	490
	4/30/2019	0.36	74	48	0.25	7.08	35	380
	Pred. Limit	0.77	132	62	0.25	7.69-6.54	85	609
	8/26/2019	0.64	91	60	0.24	7.08	14	490
	2/24/2020	0.34	81	49	0.20	7.05	67	440
	4/28/2020	0.55	76	52	0.27	7.03	47	380
	12/9/2020	0.57	92	88	0.32	7.10	94	580
	5/11/2021	0.61	77	44	0.33	7.22	76	410
	8/24/2021	0.72	78	48	0.34	7.12	15	100
	11/30/2021	0.51	99	56	0.25	6.95	62	560
	2/8/2022	0.47	88	59	0.29	7.15	52	580
	6/7/2022	0.48	73	43	0.3	7.31	30	320
	8/30/2022	0.67	94	61	0.21	6.80	67	720
	11/14/2022	0.84	110	62	0.2	6.85	41	570
	2/21/2023	0.75	89	54	0.22	7.58	54	540
	5/16/2023	0.66	100	51	0.27	7.21	120	550
	8/28/2023	0.78	95	72	0.24	7.02	110	610
	11/7/2023	0.78	100	59	0.21	7.01	150	620
	12/22/2023 R	1.3	NS	NS	NS	NS	80	560
	2/22/2024	0.61	96	60	0.23	7.29	63	520
	6/19/2024	1.3	120	57	0.30	6.77	150	670
	9/10/2024	1.6	100	62	0.18	6.96	110	590
	11/19/2024	1.8	120	68	0.18	6.93	120	640
MW-05 down-gradient	5/17/2016	0.70	100	85	0.35	7.08	120	660
	8/16/2016	0.69	110	97	0.30	6.85	150	830
	11/15/2016	0.93	94	66	0.23	6.96	77	620
	2/14/2017	0.79	100	100	0.25	7.25	170	760
	5/1/2017	0.70	100	92	0.28	7.60	170	710
	6/20/2017	0.64	89	63	0.28	7.32	78	550
	8/28/2017	0.62	110	120	0.33	7.05	210	870
	11/7/2017	0.51	99	110	0.31	6.87	160	990
	5/15/2018	0.61	130	89	0.29	7.70	210	910
	8/7/2018	0.49	110	120	0.32	6.56	180	890
	4/30/2019	0.56	84	73	0.36	6.96	120	590
	Pred. Limit	0.77	132	62	0.25	7.69-6.54	85	609
	8/26/2019	0.57	110	75	0.29	7.01	110	660
	2/24/2020	0.54	110	70	0.36	6.90	120	700
	4/28/2020	0.49	110	56	0.37	6.87	130	620
	12/9/2020	0.53	98	78	0.31	6.91	110	670
	5/11/2021	0.50	83	52	0.38	7.20	100	530
	8/24/2021	0.55	88	69	0.32	6.84	99	500
	11/30/2021	0.68	99	67	0.3	6.92	92	620
	2/8/2022	0.56	88	68	0.36	6.95	91	650
	6/7/2022	0.59	110	58	0.27	7.15	120	650
	8/30/2022	0.69	79	73	0.38	6.94	86	720
	11/14/2022	1.1	96	64	0.29	6.87	93	600
	2/21/2023	0.68	100	93	0.29	7.34	97	760
	5/16/2023	0.78	110	79	0.30	7.04	130	690
	8/29/2023	1.1	98	80	0.29	6.99	83	660
	11/7/2023	1.5	110	98	0.26	6.96	150	700
	12/22/2023 R	1.4	NS	NS	NS	NS	NS	NS
	2/22/2024	3.3	120	93	0.30	7.17	190	830
	6/19/2024	1.8	140	82	0.33	6.74	190	850
	7/25/2024 R	NS	120	NS	NS	NS	NS	NS
	9/10/2024	2.3	100	61	0.26	7.10	120	670
	11/19/2024	1.8	120	74	0.27	6.90	120	730

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

Bold. - Potential statistically significant increase.

V- Serial dilution exceeds control limits.

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

H- Sample was prepped or analyzed beyond specified holding time

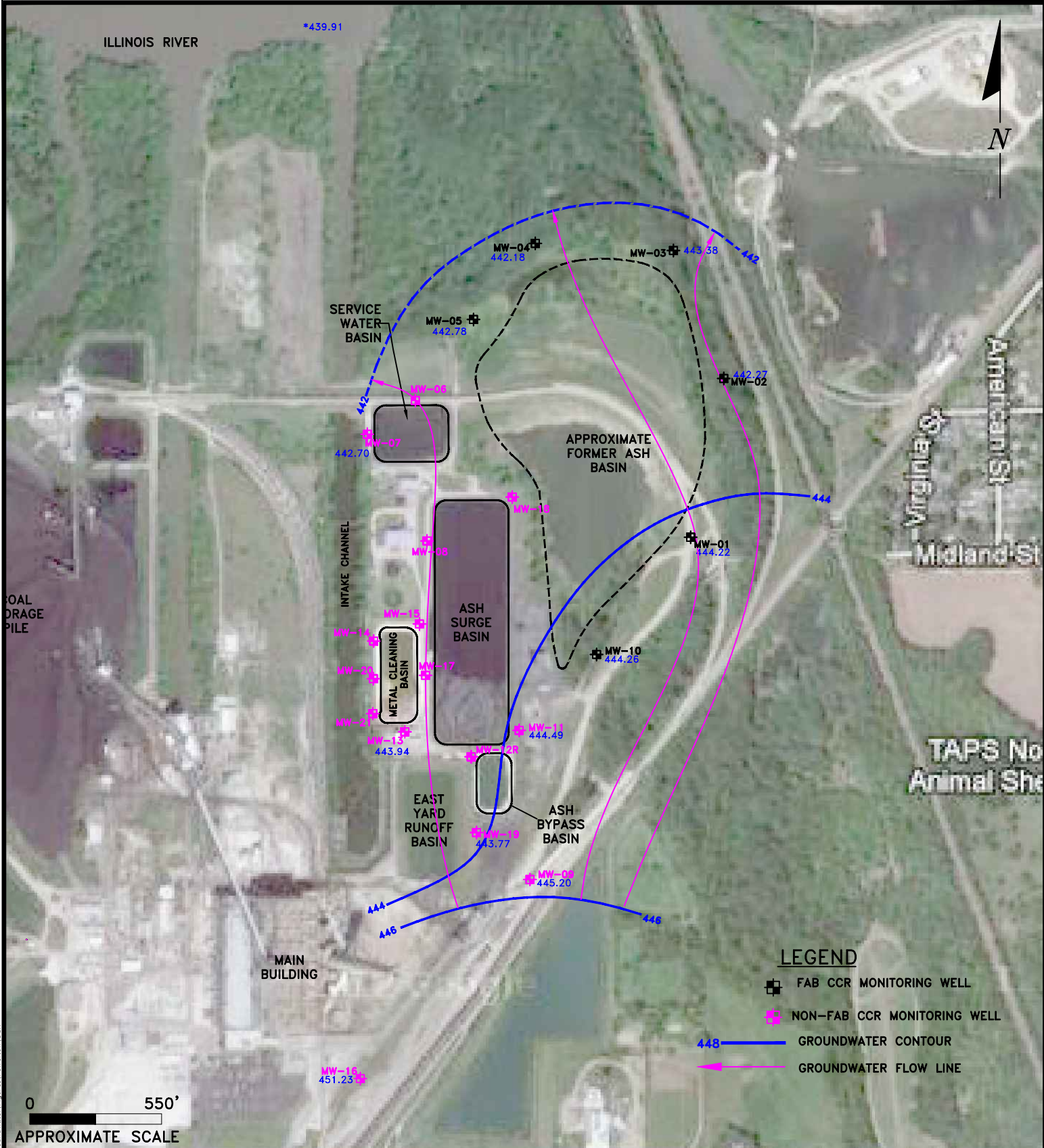
Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL, Former Ash Basin.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-01 up-gradient	11/16/2015	< 0.003	< 0.001	0.057	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	* < 0.005	< 0.01	< 0.0002	< 0.0050	0.744	< 0.0025	* < 0.002
	2/25/2016	< 0.003	0.0025	0.053	< 0.001	< 0.0005	< 0.005	0.0014	0.16	0.0019	< 0.01	< 0.0002	< 0.005	< 0.722	0.0029	< 0.002
	5/20/2016	< 0.003	0.0001	0.062	< 0.001	< 0.0005	0.007	0.0053	0.17	0.011	< 0.01	< 0.0002	< 0.005	< 0.953	< 0.0025	< 0.002
	8/17/2016	< 0.003	0.0014	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	0.0014	< 0.01	< 0.0002	0.0057	< 0.491	< 0.0025	< 0.002
	11/16/2016	< 0.003	0.0051	0.056	< 0.001	< 0.0005	< 0.005	0.0044	0.21	0.0082	< 0.01	< 0.0002	0.0059	< 0.618	< 0.0025	< 0.002
	2/14/2017	< 0.003	0.0041	0.056	< 0.001	< 0.0005	< 0.005	0.0045	0.17	0.0076	< 0.01	< 0.0002	0.0056	< 0.837	< 0.0025	< 0.002
	5/3/2017	< 0.003	0.0015	0.045	< 0.001	< 0.0005	< 0.005	0.0033	0.16	0.0067	< 0.01	< 0.0002	< 0.005	0.574	< 0.0025	< 0.002
	6/21/2017	< 0.003	< 0.001	0.040	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	< 0.01	< 0.0002	0.0061	< 0.418	< 0.0025	< 0.002
	8/25/2017	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	< 0.01	< 0.0002	0.0059	0.775	< 0.0025	< 0.002
	11/8/2017	< 0.003	< 0.001	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	0.12	< 0.0005	< 0.01	< 0.0002	< 0.005	0.343	< 0.0025	< 0.002
	5/17/2018	< 0.003	< 0.001	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	0.12	0.00068	< 0.01	< 0.0002	< 0.005	< 0.396	< 0.0025	< 0.002
	8/8/2018	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.01	< 0.0002	< 0.005	0.579	< 0.0025	< 0.002
	4/30/2019	< 0.003	0.0014	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	0.0017	< 0.01	< 0.0002	< 0.005	< 0.656	< 0.0025	< 0.002
	GWPS	NS	0.022	2.0	0.004	NS	0.063	0.119	4.0	0.036	NS	0.002	0.1	5.0	0.05	0.002
	8/26/2019	< 0.003	< 0.001	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.01	< 0.0002	< 0.005	0.802	< 0.0025	< 0.002
	2/24/2020	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	0.00057	< 0.01	< 0.0002	< 0.005	< 0.478	< 0.0025	< 0.002
	4/28/2020	NA	< 0.001	0.051	NA	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	< 0.01	< 0.0002	< 0.005	0.628	< 0.0025	< 0.002
	12/8/2020	NA	< 0.001	0.058	NA	< 0.0005	< 0.005	< 0.001	0.25	< 0.0005	< 0.01	< 0.0002	0.0052	< 0.542	< 0.0025	< 0.002
	5/11/2021	< 0.003	< 0.001	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	< 0.01	< 0.0002	0.01	0.521	< 0.0025	< 0.002
	8/24/2021	< 0.003	< 0.001	0.061	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	0.00088	< 0.01	< 0.0002	0.007	< 0.463	< 0.0025	< 0.002
	11/30/2021	< 0.003	< 0.001	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	0.19	< 0.0005	0.005	< 0.0002	0.0072	< 0.434	0.0026	< 0.002
	2/9/2022	< 0.003	0.0017	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	0.0012	0.003	< 0.0002	0.0074	< 0.527	< 0.0025	< 0.002
	6/7/2022	< 0.003	< 0.001	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	0.14	< 0.0005	< 0.01	< 0.0002	0.0057	0.531	< 0.0025	< 0.002
	8/30/2022	< 0.003	< 0.001	0.073	++ < 0.001	< 0.0005	< 0.005	< 0.001	0.15	< 0.0005	++ < 0.01	< 0.0002	< 0.005	< 0.441	< 0.0025	< 0.002
	11/15/2022	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	0.1	< 0.0005	< 0.01	< 0.0002	< 0.005	0.659	< 0.0025	< 0.002
	2/22/2023	< 0.003	< 0.001	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.503	< 0.0025	< 0.002
	5/17/2023	< 0.0030	< 0.0010	0.055	++ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.10	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.357	< 0.0025	< 0.0020
	8/29/2023	< 0.0020	< 0.0020	0.0078	< 0.0000	< 0.00020	< 0.0050	< 0.0005	< 0.10	< 0.00050	< 0.010	< 0.00020	0.0020	< 0.574	< 0.005	< 0.0010
	11/7/2023	< 0.0030	< 0.0010	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.10	< 0.00050	++ < 0.010	< 0.00020	< 0.0050	< 0.356	< 0.0025	< 0.0020
	2/21/2024	< 0.0030	< 0.0010	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.10	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.528	< 0.0025	< 0.0020
	6/19/2024	< 0.0030	< 0.0010	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	++ < 0.010	< 0.00020	< 0.0050	< 0.688	< 0.0025	< 0.0020
	9/11/2024	< 0.0030	< 0.0010	0.066	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.15	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.546	< 0.0025	< 0.0020
	11/21/2024	< 0.0030	< 0.0010	0.089	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.11	< 0.00050	< 0.010	< 0.00020	< 0.0050	0.736	< 0.0025	< 0.0020
MW-10 up gradient	6/22/2017	< 0.003	0.0023	0.250	< 0.001	< 0.0005	< 0.005	0.008	0.19	0.003	< 0.01	< 0.0002	< 0.005	0.048	< 0.0025	< 0.002
	8/24/2017	< 0.003	0.0020	0.220	< 0.001	< 0.0005	< 0.005	0.007	0.18	0.003	< 0.01	< 0.0002	< 0.005	0.564	0.0044	< 0.002
	11/9/2017	< 0.003	< 0.0010	0.220	< 0.001	< 0.0005	< 0.005	0.004	0.18	< 0.001	< 0.01	< 0.0002	< 0.005	1.020	0.0034	< 0.002
	5/16/2018	< 0.003	0.0010	0.220	< 0.001	< 0.0005	< 0.005	0.021	0.19	0.001	< 0.01	< 0.0002	< 0.005	1.550	0.0050	< 0.002
	8/8/2018	< 0.003	0.0012	0.220	< 0.001	< 0.0005	< 0.005	0.014	0.19	0.001	< 0.01	< 0.0002	< 0.005	< 0.551	0.0062	< 0.002
	10/30/2018	< 0.003	0.0110	0.410	< 0.001	0.0008	0.024	0.047	0.22	0.023	0.02	< 0.0002	< 0.005	1.00	0.0046	< 0.002
	2/26/2019	< 0.003	0.0020	0.590	< 0.005	0.0015	0.063	0.061	0.21	0.036	0.03	< 0.0002	0.007	4.130	0.0041	< 0.002
	5/1/2019	< 0.003	0.0023	0.270	< 0.001	< 0.0005	< 0.005	0.011	0.22	0.0028	< 0.01	< 0.0002	< 0.005	1.330	0.0037	< 0.002
	GWPS	NS	0.022	2.0	0.004	NS	0.063	0.119	4.0	0.036	NS	0.002	0.1	5.0	0.05	0.002
	8/26/2019	< 0.003	0.0017	0.190	< 0.001	< 0.001	< 0.005	0.007	0.19	0.0016	< 0.01	< 0.0002	< 0.005	1.540	0.0050	< 0.002
	2/25/2020	< 0.003	0.0033	0.280	< 0.001	< 0.0005	0.0006	0.011	0.23	0.0046	< 0.01	< 0.0002	< 0.005	1.07	0.0058	< 0.002
	4/28/2020	NA	0.0022	0.250	NA	NA	< 0.005	0.0005	0.24	0.0017	NA	NA	< 0.005	0.639	0.0054	NA
	12/8/2020	NA	0.0015	0.280	NA	NA	< 0.005	0.0009	0.26	0.0003	< 0.01	< 0.0002	< 0.005	1.76	0.0031	NA
	5/11/2021	< 0.003	0.0011	0.260	< 0.001	< 0.0005	< 0.005	0.008	0.24	0.00085	< 0.01	< 0.0002	< 0.005	1.42	0.0049	< 0.002
	8/24/2021	< 0.003	0.0017	0.24	< 0.001	< 0.0005	< 0.005	0.0082	0.24	0.00085	< 0.01	< 0.0002	< 0.005	0.638	0.0051	< 0.002
	11/30/2021	< 0.003	0.0015	0.2	< 0.001	< 0.0005	< 0.005	0.0037	0.19	0.00051	0.0031	< 0.0002	< 0.005	1.39	< 0.0025	< 0.002
	2/9/2022	< 0.003	0.011	0.6	< 0.001	0.00064	0.026	0.054	0.22	0.021	0.011	< 0.0002	< 0.005	6.51	0.0045	< 0.002
	3/30/2022 (R)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/7/2022	< 0.003	0.0011	0.18	< 0.001	< 0.0005	< 0.005	0.0028	0.21	< 0.0005	< 0.01	< 0.0002	< 0.005	0.687	0.0049	< 0.002
	8/30/2022	< 0.003	0.0012	0.24	++ < 0.001	< 0.0005	< 0.005	0.0086	0.22	0.00074	< ++ < 0.01	< 0.0002	< 0.005	1.4	< 0.0025	< 0.002
	11/15/2022	< 0.003	< 0.001	0.2	< 0.001	< 0.0005	< 0.005	0.0052	0.25	< 0.0005	< 0.01	< 0.0002	< 0.005	0.909	< 0.0025	< 0.002
	2/22/2023	< 0.003	0.001	0.22	< 0.001	< 0.0005	< 0.005	0.0039	0.22	0.00057	< 0.01	< 0.0002	< 0.005	0.753	0.004	< 0.002
	5/17/2023															

Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Powertrain Station, Pekin, IL, Former Ash Basin.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-03 down-gradient	6/30/2017	< 0.003	0.0013	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	0.29	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.325	< 0.0025	< 0.002
	8/23/2017	< 0.003	0.0010	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	< 0.01	< 0.0002	< 0.005	1.200	< 0.0025	< 0.002
	11/7/2017	< 0.003	0.0013	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	< 0.01	< 0.0002	< 0.005	0.588	< 0.0025	< 0.002
	5/15/2018	< 0.003	0.0010	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	0.23	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.489	< 0.0025	< 0.002
	8/7/2018	< 0.003	0.0015	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.341	< 0.0025	< 0.002
	10/30/2018	< 0.003	0.0014	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.354	< 0.0025	< 0.002
	2/26/2019	< 0.003	0.0013	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0007	< 0.01	< 0.0002	< 0.005	< 0.399	< 0.0025	< 0.002
	4/30/2019	< 0.003	< 0.001	0.060	< 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.668	< 0.0025	< 0.002
	GWPS	NS	0.022	2.0	0.004	NS	0.063	0.119	4.0	0.036	NS	0.002	0.1	5.0	0.05	0.002
	8/26/2019	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002
	2/24/2020	< 0.003	< 0.001	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	< 0.01	NA	< 0.0002	< 0.400	< 0.0025	< 0.002
	4/28/2020	NA	0.0013	0.066	NA	NA	< 0.005	< 0.001	0.22	< 0.0005	NA	NA	< 0.005	< 0.408	< 0.0036	NA
	12/9/2020	NA	< 0.001	0.086	NA	NA	< 0.005	< 0.001	0.28	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.432	< 0.0025	NA
	5/11/2021	< 0.003	< 0.001	0.07	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.519	< 0.0025	< 0.002
	8/24/2021	< 0.003	0.0012	0.072	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002
	11/30/2021	< 0.003	0.0014	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	0.26	< 0.0005	0.004	< 0.0002	< 0.005	< 0.436	< 0.0025	< 0.002
	2/8/2022	< 0.003	0.001	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	0.003	< 0.0002	< 0.005	0.593	< 0.0025	< 0.002
	6/7/2022	< 0.003	0.0012	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	< 0.01	< 0.0002	< 0.005	0.851	< 0.0025	< 0.002
	8/30/2022	< 0.003	< 0.001	0.1	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	^+ < 0.01	< 0.0002	< 0.005	0.589	< 0.0025	< 0.002
	11/4/2022	< 0.003	< 0.001	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.28	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.54	< 0.0025	< 0.002
	2/21/2023	< 0.003	< 0.001	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.493	< 0.0025	< 0.002
	5/16/2023	< 0.0030	< 0.0010	0.068	^+ + < 0.0010	< 0.0050	< 0.0050	< 0.0010	0.21	< 0.0050	< 0.010	< 0.00020	< 0.0050	0.993	0.0038	< 0.0020
	8/28/2023	< 0.0020	< 0.0020	0.096	< 0.0020	< 0.0005	< 0.0050	< 0.0005	0.21	< 0.00050	< 0.010	< 0.00020	< 0.0023	0.574	0.0070	< 0.0020
	11/7/2023	< 0.0030	< 0.0010	0.12	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.19	< 0.00050	^+ < 0.010	< 0.00020	< 0.0050	< 0.0758	0.0055	< 0.0020
	2/22/2024	< 0.0030	< 0.0010	0.064	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.20	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.698	0.0058	< 0.0020
	6/19/2024	< 0.0030	< 0.0011	0.078	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.24	< 0.00050	^+ + < 0.010	< 0.00020	< 0.0050	< 0.727	< 0.0025	< 0.0020
	9/10/2024	< 0.0030	< 0.0010	0.11	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.19	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.684	< 0.0025	< 0.0020
MW-04 down-gradient	11/19/2024	< 0.0030	< 0.0010	0.12	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.18	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.482	< 0.0025	< 0.0020
	6/28/2017	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	0.29	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.343	< 0.0025	< 0.002
	8/28/2017	< 0.003	< 0.001	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	0.33	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.246	< 0.0025	< 0.002
	11/7/2017	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.332	0.0092	< 0.002
	5/15/2018	< 0.003	< 0.001	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	0.27	< 0.0005	< 0.01	< 0.0002	< 0.005	0.661	< 0.0025	< 0.002
	8/7/2018	< 0.003	0.0011	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	0.32	< 0.0005	< 0.01	< 0.0002	0.006	< 0.334	< 0.0025	< 0.002
	10/30/2018	< 0.003	0.0013	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.423	< 0.0025	< 0.002
	2/26/2019	< 0.003	0.0013	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	< 0.0007	< 0.01	< 0.0002	< 0.005	< 0.386	< 0.0025	< 0.002
	4/30/2019	< 0.003	< 0.001	0.026	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.684	< 0.0025	< 0.002
	GWPS	NS	0.022	2.0	0.004	NS	0.063	0.119	4.0	0.036	NS	0.002	0.1	5.0	0.05	0.002
	8/26/2019	< 0.003	< 0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	0.24	< 0.0005	< 0.01	< 0.0002	0.008	1.090	< 0.0025	< 0.002
	2/24/2020	< 0.003	< 0.001	0.024	< 0.001	< 0.0005	< 0.005	< 0.001	0.20	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.595	< 0.0025	< 0.002
	4/28/2020	NA	0.0015	0.065	NA	NA	< 0.005	< 0.001	0.27	< 0.0005	NA	NA	< 0.005	< 0.405	< 0.0025	NA
	12/9/2020	NA	< 0.001	0.034	NA	NA	< 0.005	< 0.001	0.32	< 0.0005	< 0.01	< 0.0002	0.0076	< 0.411	< 0.0025	NA
	5/11/2021	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	0.33	< 0.0005	< 0.01	< 0.0002	< 0.005	0.533	< 0.0025	< 0.002
	8/24/2021	< 0.003	< 0.001	0.024	< 0.001	< 0.0005	< 0.005	< 0.001	0.34	< 0.0005	< 0.01	< 0.0002	0.014	< 0.427	< 0.0025	< 0.002
	11/30/2021	< 0.003	0.0012	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.25	< 0.0005	0.0035	< 0.0002	< 0.005	< 0.419	< 0.0025	< 0.002
	2/8/2022	< 0.003	< 0.001	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	0.29	< 0.0005	0.0038	< 0.0002	0.006	0.818	< 0.0025	< 0.002
	6/7/2022	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	0.20	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.373	< 0.0025	< 0.002
	8/30/2022	< 0.003	< 0.001	0.034	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.21	< 0.0005	^+ < 0.01	< 0.0002	< 0.005	< 0.546	< 0.0025	< 0.002
	11/4/2022	< 0.003	< 0.001	0.08	< 0.001	< 0.0005	< 0.005	< 0.001	0.20	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.583	0.0074	< 0.002
	2/21/2023	< 0.003	< 0.001	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	0.22	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.567	0.0037	< 0.002
	5/16/2023	< 0.0030	< 0.0010	0.034	^+ + < 0.0010	< 0.0050	< 0.0050	< 0.0010	0.27	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.624	< 0.0025	< 0.0020
	8/28/2023	< 0.0020	< 0.0020	0.062	< 0.0020	< 0.0005	< 0.0050	< 0.0005	0.24	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.668	< 0.0025	< 0.0020
	11/7/2023	< 0.0030	< 0.0010	0.065	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.24	< 0.00050	^+ < 0.010	< 0.00020	< 0.0050	< 0.679	0.0070	< 0.0020
	2/22/2024	< 0.0030	< 0.0010	0.041	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.23	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.479	0.0042	< 0.0020
	6/19/2024	< 0.0030	< 0.0010	0.049	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.30	< 0.00050	^+ + < 0.010	< 0.00020	< 0.0050	< 0.725	< 0.0025	< 0.0020
	9/10/2024	< 0.0030	< 0.0010	0.062	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.18	< 0.00050	< 0.010	< 0.00020	< 0.0050	0.712	< 0.0025	< 0.0020
	11/19/2024	< 0.0030	< 0.0010	0.070	< 0.0010	< 0.0050	< 0.0050	< 0.0010	0.18	< 0.0012	< 0.010	< 0.00020	< 0.0050	< 0.175	0.0025	< 0.00

ATTACHMENT 1
Groundwater Flow Contour Maps



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

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

CCR GROUNDWATER CONTOUR MAP
FOR FAB SAND/GRAVEL UNIT 1Q2024

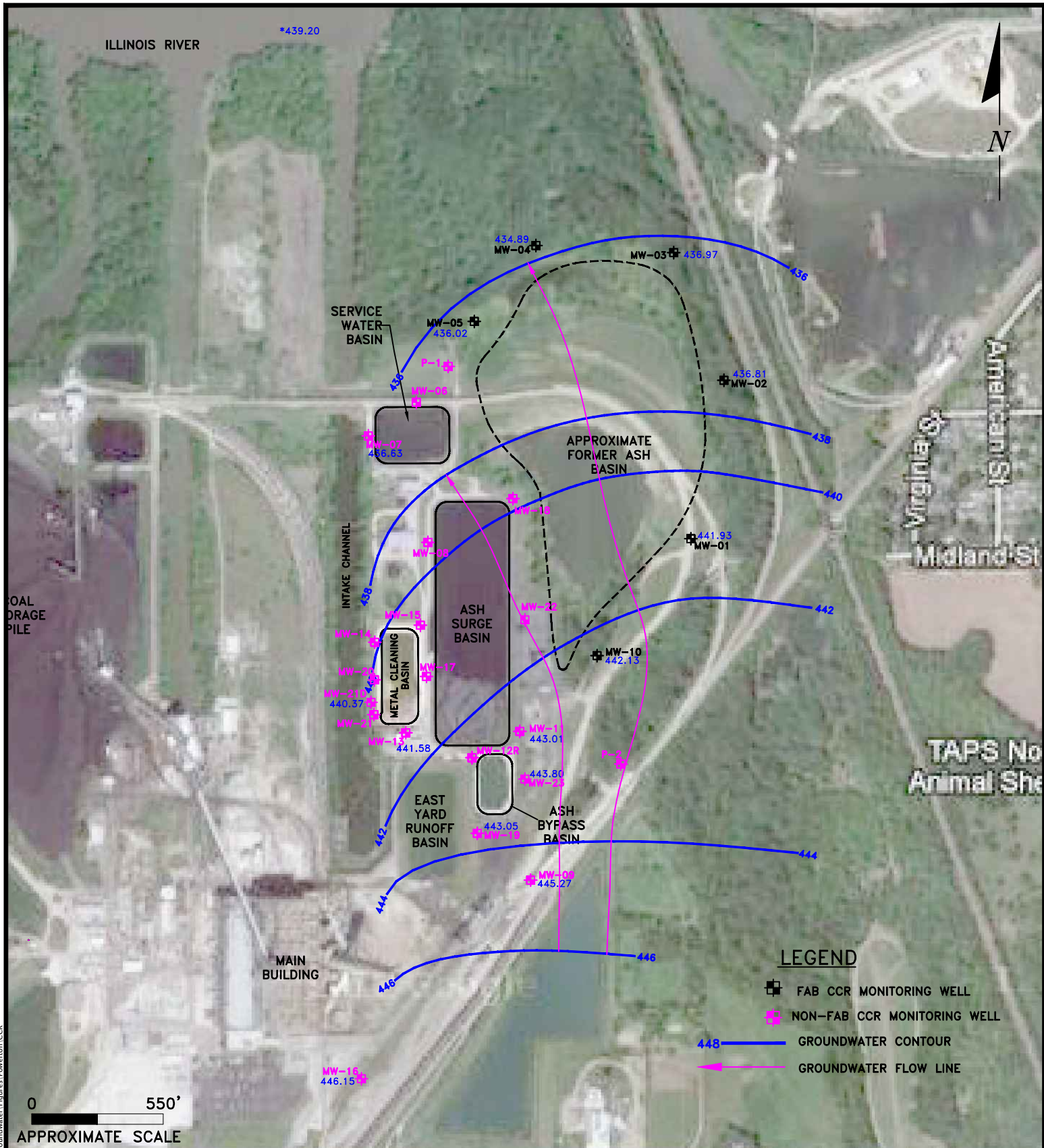
POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 9, 2025

KPRG Project No. 12313.1

ATTACHMENT 1



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CCR GROUNDWATER CONTOUR MAP FOR FAB SAND/GRAVEL UNIT 2Q2024

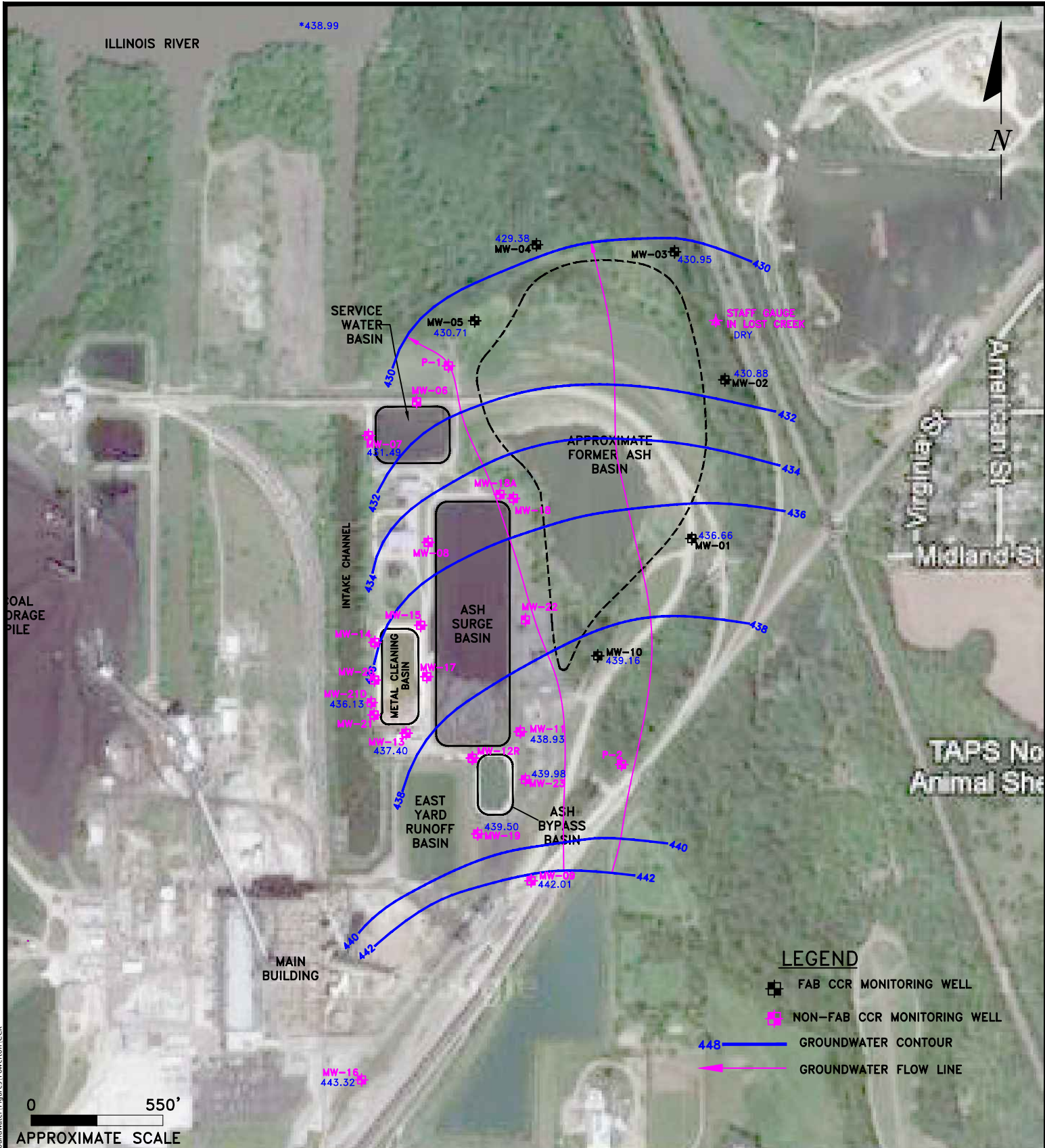
POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 9, 2025

KPRG Project No. 12313.1

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CCR GROUNDWATER CONTOUR MAP FOR FAB SAND/GRAVEL UNIT 3Q2024

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 9, 2025

KPRG Project No. 12313.1

ATTACHMENT 1

ATTACHMENT 2
Analytical Data Packages

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Powerton CCR FAB

JOB NUMBER

500-246575-1

Eurofins Chicago

Job Notes

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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	14
QC Association	15
QC Sample Results	18
Chain of Custody	25
Receipt Checklists	26
Chronicle	27
Certification Summary	30



Case Narrative

Client: KPRG and Associates, Inc.
Project: Powerton CCR FAB

Job ID: 500-246575-1

Job ID: 500-246575-1

Eurofins Chicago

Job Narrative 500-246575-1

Receipt

The samples were received on 2/23/2024 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.2° C and 0.8° C.

Metals

No analytical or quality issues were noted, other than those described 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: Powerton CCR FAB

Job ID: 500-246575-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-246575-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246575-1	MW-02	Water	02/22/24 08:45	02/23/24 09:20
500-246575-2	MW-03	Water	02/22/24 09:54	02/23/24 09:20
500-246575-3	MW-04	Water	02/22/24 11:02	02/23/24 09:20
500-246575-4	MW-05	Water	02/22/24 12:21	02/23/24 09:20
500-246575-5	MW-01	Water	02/21/24 09:07	02/23/24 09:20
500-246575-6	MW-10	Water	02/21/24 13:42	02/23/24 09:20
500-246575-7	Duplicate	Water	02/22/24 00:00	02/23/24 09:20

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-02

Lab Sample ID: 500-246575-1

Date Collected: 02/22/24 08:45

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 17:46	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:46	1
Barium	0.059		0.0025		mg/L		03/07/24 17:12	03/13/24 17:46	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 13:51	1
Boron	0.25		0.050		mg/L		03/07/24 17:12	03/18/24 13:51	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:46	1
Calcium	76		0.20		mg/L		03/07/24 17:12	03/18/24 13:51	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:46	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:46	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:46	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 17:46	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:46	1
Selenium	0.0029		0.0025		mg/L		03/07/24 17:12	03/13/24 17:46	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 17:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		10		mg/L			02/27/24 21:23	1
Chloride (SM 4500 Cl- E)	62		4.0		mg/L			02/25/24 13:32	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			03/15/24 14:07	1
Sulfate (SM 4500 SO4 E)	47		5.0		mg/L			02/27/24 16:51	1

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-03

Lab Sample ID: 500-246575-2

Date Collected: 02/22/24 09:54

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 17:49	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:49	1
Barium	0.064		0.0025		mg/L		03/07/24 17:12	03/13/24 17:49	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 13:55	1
Boron	0.19		0.050		mg/L		03/07/24 17:12	03/18/24 13:55	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:49	1
Calcium	88		0.20		mg/L		03/07/24 17:12	03/18/24 13:55	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:49	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:49	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:49	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 17:49	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:49	1
Selenium	0.0058		0.0025		mg/L		03/07/24 17:12	03/13/24 17:49	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 17:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520		10		mg/L			02/27/24 21:25	1
Chloride (SM 4500 Cl- E)	64		4.0		mg/L			02/25/24 13:32	2
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			03/15/24 14:12	1
Sulfate (SM 4500 SO4 E)	66		10		mg/L			02/27/24 17:06	2

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-04

Lab Sample ID: 500-246575-3

Date Collected: 02/22/24 11:02

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 17:53	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:53	1
Barium	0.041		0.0025		mg/L		03/07/24 17:12	03/13/24 17:53	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 13:58	1
Boron	0.61		0.050		mg/L		03/07/24 17:12	03/18/24 13:58	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:53	1
Calcium	96		0.20		mg/L		03/07/24 17:12	03/18/24 13:58	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:53	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:53	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:53	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 17:53	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:53	1
Selenium	0.0042		0.0025		mg/L		03/07/24 17:12	03/13/24 17:53	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 17:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	520		10		mg/L			02/27/24 21:28	1
Chloride (SM 4500 Cl- E)	60		4.0		mg/L			02/25/24 15:04	2
Fluoride (SM 4500 F C)	0.23		0.10		mg/L			03/15/24 14:17	1
Sulfate (SM 4500 SO4 E)	63		10		mg/L			02/27/24 17:06	2

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-05

Lab Sample ID: 500-246575-4

Date Collected: 02/22/24 12:21

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 17:56	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:56	1
Barium	0.056		0.0025		mg/L		03/07/24 17:12	03/13/24 17:56	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 14:02	1
Boron	3.3		0.050		mg/L		03/07/24 17:12	03/18/24 14:02	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:56	1
Calcium	120		0.20		mg/L		03/07/24 17:12	03/18/24 14:02	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:56	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:56	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:56	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 17:56	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:56	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:12	03/13/24 17:56	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 17:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	830		10		mg/L			02/27/24 21:30	1
Chloride (SM 4500 Cl- E)	93		10		mg/L			02/25/24 15:04	5
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			03/15/24 14:21	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			02/27/24 17:06	5

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-01

Lab Sample ID: 500-246575-5

Date Collected: 02/21/24 09:07

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 18:07	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 18:07	1
Barium	0.090		0.0025		mg/L		03/07/24 17:12	03/13/24 18:07	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 14:06	1
Boron	1.5		0.050		mg/L		03/07/24 17:12	03/18/24 14:06	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 18:07	1
Calcium	120		0.20		mg/L		03/07/24 17:12	03/18/24 14:06	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:07	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 18:07	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 18:07	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 18:07	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:07	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:12	03/13/24 18:07	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 18:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		10		mg/L			02/27/24 21:33	1
Chloride (SM 4500 Cl- E)	46		2.0		mg/L			02/25/24 13:27	1
Fluoride (SM 4500 F C)	0.10		0.10		mg/L			03/15/24 14:37	1
Sulfate (SM 4500 SO4 E)	81		10		mg/L			03/03/24 14:32	2

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: MW-10

Lab Sample ID: 500-246575-6

Date Collected: 02/21/24 13:42

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 18:11	1
Arsenic	0.0014		0.0010		mg/L		03/07/24 17:12	03/13/24 18:11	1
Barium	0.27		0.0025		mg/L		03/07/24 17:12	03/13/24 18:11	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 14:21	1
Boron	6.5		0.50		mg/L		03/07/24 17:12	03/18/24 14:58	10
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 18:11	1
Calcium	110		0.20		mg/L		03/07/24 17:12	03/18/24 14:21	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:11	1
Cobalt	0.0045		0.0010		mg/L		03/07/24 17:12	03/13/24 18:11	1
Lead	0.0017		0.00050		mg/L		03/07/24 17:12	03/13/24 18:11	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 18:11	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:11	1
Selenium	0.0062		0.0025		mg/L		03/07/24 17:12	03/13/24 18:11	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 18:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 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			02/27/24 22:28	1
Chloride (SM 4500 Cl- E)	37		2.0		mg/L			02/25/24 13:32	1
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			03/15/24 15:09	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			03/03/24 14:42	5

Client Sample Results

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

Job ID: 500-246575-1

Client Sample ID: Duplicate

Lab Sample ID: 500-246575-7

Date Collected: 02/22/24 00:00

Matrix: Water

Date Received: 02/23/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 18:14	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 18:14	1
Barium	0.059		0.0025		mg/L		03/07/24 17:12	03/13/24 18:14	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 14:25	1
Boron	0.27		0.050		mg/L		03/07/24 17:12	03/18/24 14:25	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 18:14	1
Calcium	77		0.20		mg/L		03/07/24 17:12	03/18/24 14:25	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:14	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 18:14	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 18:14	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 18:14	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 18:14	1
Selenium	0.0032		0.0025		mg/L		03/07/24 17:12	03/13/24 18:14	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 18:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	460		10		mg/L			02/27/24 22:35	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			02/25/24 15:04	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			03/15/24 14:42	1
Sulfate (SM 4500 SO4 E)	48		5.0		mg/L			03/03/24 14:15	1

Definitions/Glossary

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

Job ID: 500-246575-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) 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.

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: Powerton CCR FAB

Job ID: 500-246575-1

Metals

Prep Batch: 757383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total Recoverable	Water	3005A	
500-246575-2	MW-03	Total Recoverable	Water	3005A	
500-246575-3	MW-04	Total Recoverable	Water	3005A	
500-246575-4	MW-05	Total Recoverable	Water	3005A	
500-246575-5	MW-01	Total Recoverable	Water	3005A	
500-246575-6	MW-10	Total Recoverable	Water	3005A	
500-246575-7	Duplicate	Total Recoverable	Water	3005A	
MB 500-757383/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-757383/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-246575-7 MS	Duplicate	Total Recoverable	Water	3005A	
500-246575-7 MSD	Duplicate	Total Recoverable	Water	3005A	
500-246575-7 DU	Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 757743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	7470A	
500-246575-2	MW-03	Total/NA	Water	7470A	
500-246575-3	MW-04	Total/NA	Water	7470A	
500-246575-4	MW-05	Total/NA	Water	7470A	
500-246575-5	MW-01	Total/NA	Water	7470A	
500-246575-6	MW-10	Total/NA	Water	7470A	
500-246575-7	Duplicate	Total/NA	Water	7470A	
MB 500-757743/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-757743/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 757900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	7470A	757743
500-246575-2	MW-03	Total/NA	Water	7470A	757743
500-246575-3	MW-04	Total/NA	Water	7470A	757743
500-246575-4	MW-05	Total/NA	Water	7470A	757743
500-246575-5	MW-01	Total/NA	Water	7470A	757743
500-246575-6	MW-10	Total/NA	Water	7470A	757743
500-246575-7	Duplicate	Total/NA	Water	7470A	757743
MB 500-757743/12-A	Method Blank	Total/NA	Water	7470A	757743
LCS 500-757743/13-A	Lab Control Sample	Total/NA	Water	7470A	757743

Analysis Batch: 758285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total Recoverable	Water	6020B	757383
500-246575-2	MW-03	Total Recoverable	Water	6020B	757383
500-246575-3	MW-04	Total Recoverable	Water	6020B	757383
500-246575-4	MW-05	Total Recoverable	Water	6020B	757383
500-246575-5	MW-01	Total Recoverable	Water	6020B	757383
500-246575-6	MW-10	Total Recoverable	Water	6020B	757383
500-246575-7	Duplicate	Total Recoverable	Water	6020B	757383
MB 500-757383/1-A	Method Blank	Total Recoverable	Water	6020B	757383
LCS 500-757383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757383
500-246575-7 MS	Duplicate	Total Recoverable	Water	6020B	757383
500-246575-7 MSD	Duplicate	Total Recoverable	Water	6020B	757383
500-246575-7 DU	Duplicate	Total Recoverable	Water	6020B	757383

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QC Association Summary

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

Job ID: 500-246575-1

Metals

Analysis Batch: 758908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total Recoverable	Water	6020B	757383
500-246575-2	MW-03	Total Recoverable	Water	6020B	757383
500-246575-3	MW-04	Total Recoverable	Water	6020B	757383
500-246575-4	MW-05	Total Recoverable	Water	6020B	757383
500-246575-5	MW-01	Total Recoverable	Water	6020B	757383
500-246575-6	MW-10	Total Recoverable	Water	6020B	757383
500-246575-6	MW-10	Total Recoverable	Water	6020B	757383
500-246575-7	Duplicate	Total Recoverable	Water	6020B	757383
MB 500-757383/1-A	Method Blank	Total Recoverable	Water	6020B	757383
LCS 500-757383/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757383
500-246575-7 MS	Duplicate	Total Recoverable	Water	6020B	757383
500-246575-7 MSD	Duplicate	Total Recoverable	Water	6020B	757383
500-246575-7 DU	Duplicate	Total Recoverable	Water	6020B	757383

General Chemistry

Analysis Batch: 755535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-246575-2	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-246575-3	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-246575-4	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-246575-5	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-246575-6	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-246575-7	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-755535/115	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-755535/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-755535/116	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-755535/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246575-2 MS	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-246575-2 MSD	MW-03	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 755968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	SM 2540C	
500-246575-2	MW-03	Total/NA	Water	SM 2540C	
500-246575-3	MW-04	Total/NA	Water	SM 2540C	
500-246575-4	MW-05	Total/NA	Water	SM 2540C	
500-246575-5	MW-01	Total/NA	Water	SM 2540C	
MB 500-755968/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-755968/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 755969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-6	MW-10	Total/NA	Water	SM 2540C	
500-246575-7	Duplicate	Total/NA	Water	SM 2540C	
MB 500-755969/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-755969/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246575-6 MS	MW-10	Total/NA	Water	SM 2540C	
500-246575-6 DU	MW-10	Total/NA	Water	SM 2540C	
500-246575-7 DU	Duplicate	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-246575-1

General Chemistry

Analysis Batch: 756044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-246575-2	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-246575-3	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-246575-4	MW-05	Total/NA	Water	SM 4500 SO4 E	
MB 500-756044/67	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-756044/68	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 756601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-5	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-246575-6	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-246575-7	Duplicate	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: 758551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	SM 4500 F C	
500-246575-2	MW-03	Total/NA	Water	SM 4500 F C	
500-246575-3	MW-04	Total/NA	Water	SM 4500 F C	
500-246575-4	MW-05	Total/NA	Water	SM 4500 F C	
500-246575-5	MW-01	Total/NA	Water	SM 4500 F C	
500-246575-6	MW-10	Total/NA	Water	SM 4500 F C	
500-246575-7	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-758551/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-758551/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-758551/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-758551/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-246575-7 MS	Duplicate	Total/NA	Water	SM 4500 F C	
500-246575-7 MSD	Duplicate	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

Job ID: 500-246575-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-757383/1-A
Matrix: Water
Analysis Batch: 758285

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:12	03/13/24 17:30	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:30	1
Barium	<0.0025		0.0025		mg/L		03/07/24 17:12	03/13/24 17:30	1
Boron	<0.050	^+	0.050		mg/L		03/07/24 17:12	03/13/24 17:30	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:30	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:30	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:12	03/13/24 17:30	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:12	03/13/24 17:30	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:12	03/13/24 17:30	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:12	03/13/24 17:30	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:12	03/13/24 17:30	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:12	03/13/24 17:30	1

Lab Sample ID: MB 500-757383/1-A
Matrix: Water
Analysis Batch: 758908

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:12	03/18/24 13:32	1
Boron	<0.050		0.050		mg/L		03/07/24 17:12	03/18/24 13:32	1
Calcium	<0.20		0.20		mg/L		03/07/24 17:12	03/18/24 13:32	1

Lab Sample ID: LCS 500-757383/2-A
Matrix: Water
Analysis Batch: 758285

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.492		mg/L		98	80 - 120
Arsenic	0.100	0.0894		mg/L		89	80 - 120
Barium	2.00	1.73		mg/L		86	80 - 120
Cadmium	0.0500	0.0447		mg/L		89	80 - 120
Chromium	0.200	0.192		mg/L		96	80 - 120
Cobalt	0.500	0.471		mg/L		94	80 - 120
Lead	0.100	0.0997		mg/L		100	80 - 120
Lithium	0.500	0.434		mg/L		87	80 - 120
Molybdenum	1.00	0.857		mg/L		86	80 - 120
Selenium	0.100	0.0958		mg/L		96	80 - 120
Thallium	0.100	0.0993		mg/L		99	80 - 120

Lab Sample ID: LCS 500-757383/2-A
Matrix: Water
Analysis Batch: 758908

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Calcium	10.0	10.5		mg/L		105	80 - 120

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QC Sample Results

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

Job ID: 500-246575-1

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

Lab Sample ID: 500-246575-7 MS

Matrix: Water

Analysis Batch: 758285

Client Sample ID: Duplicate

Prep Type: Total Recoverable

Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.519		mg/L		104	75 - 125
Arsenic	<0.0010		0.100	0.0943		mg/L		94	75 - 125
Barium	0.059		2.00	1.86		mg/L		90	75 - 125
Cadmium	<0.00050		0.0500	0.0469		mg/L		94	75 - 125
Chromium	<0.0050		0.200	0.196		mg/L		98	75 - 125
Cobalt	<0.0010		0.500	0.466		mg/L		93	75 - 125
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125
Lithium	<0.010		0.500	0.480		mg/L		95	75 - 125
Molybdenum	<0.0050		1.00	0.924		mg/L		92	75 - 125
Selenium	0.0032		0.100	0.101		mg/L		97	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-246575-7 MS

Matrix: Water

Analysis Batch: 758908

Client Sample ID: Duplicate

Prep Type: Total Recoverable

Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	<0.0010		0.0500	0.0546		mg/L		109	75 - 125
Boron	0.27		1.00	1.26		mg/L		99	75 - 125
Calcium	77		10.0	86.2	4	mg/L		88	75 - 125

Lab Sample ID: 500-246575-7 MSD

Matrix: Water

Analysis Batch: 758285

Client Sample ID: Duplicate

Prep Type: Total Recoverable

Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.513		mg/L		103	75 - 125	1	20
Arsenic	<0.0010		0.100	0.0922		mg/L		91	75 - 125	2	20
Barium	0.059		2.00	1.80		mg/L		87	75 - 125	3	20
Cadmium	<0.00050		0.0500	0.0463		mg/L		93	75 - 125	1	20
Chromium	<0.0050		0.200	0.195		mg/L		97	75 - 125	1	20
Cobalt	<0.0010		0.500	0.460		mg/L		92	75 - 125	1	20
Lead	<0.00050		0.100	0.0989		mg/L		99	75 - 125	2	20
Lithium	<0.010		0.500	0.493		mg/L		98	75 - 125	3	20
Molybdenum	<0.0050		1.00	0.897		mg/L		90	75 - 125	3	20
Selenium	0.0032		0.100	0.0990		mg/L		96	75 - 125	1	20
Thallium	<0.0020		0.100	0.0975		mg/L		98	75 - 125	4	20

Lab Sample ID: 500-246575-7 MSD

Matrix: Water

Analysis Batch: 758908

Client Sample ID: Duplicate

Prep Type: Total Recoverable

Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.0010		0.0500	0.0530		mg/L		106	75 - 125	3	20
Boron	0.27		1.00	1.31		mg/L		104	75 - 125	4	20
Calcium	77		10.0	86.2	4	mg/L		87	75 - 125	0	20

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QC Sample Results

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

Job ID: 500-246575-1

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

Lab Sample ID: 500-246575-7 DU
Matrix: Water
Analysis Batch: 758285

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.059		0.0596		mg/L		0.5	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010		<0.010		mg/L		NC	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Selenium	0.0032		0.00320		mg/L		1	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-246575-7 DU
Matrix: Water
Analysis Batch: 758908

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 757383

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.27		0.228		mg/L		17	20
Calcium	77		77.9		mg/L		0.5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-757743/12-A
Matrix: Water
Analysis Batch: 757900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/11/24 16:15	03/12/24 09:44	1

Lab Sample ID: LCS 500-757743/13-A
Matrix: Water
Analysis Batch: 757900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00211		mg/L		105	80 - 120

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

Lab Sample ID: MB 500-755968/1
Matrix: Water
Analysis Batch: 755968

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/27/24 20:34	1

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QC Sample Results

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

Job ID: 500-246575-1

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

Lab Sample ID: LCS 500-755968/2
Matrix: Water
Analysis Batch: 755968

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: MB 500-755969/1
Matrix: Water
Analysis Batch: 755969

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/27/24 22:23	1

Lab Sample ID: LCS 500-755969/2
Matrix: Water
Analysis Batch: 755969

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: 500-246575-6 MS
Matrix: Water
Analysis Batch: 755969

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	660		250	926		mg/L		108	75 - 125

Lab Sample ID: 500-246575-6 DU
Matrix: Water
Analysis Batch: 755969

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	660		674		mg/L		3	5

Lab Sample ID: 500-246575-7 DU
Matrix: Water
Analysis Batch: 755969

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	460		444		mg/L		4	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-755535/115
Matrix: Water
Analysis Batch: 755535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/25/24 14:49	1

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QC Sample Results

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

Job ID: 500-246575-1

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

Lab Sample ID: MB 500-755535/67
Matrix: Water
Analysis Batch: 755535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/25/24 13:26	1

Lab Sample ID: LCS 500-755535/116
Matrix: Water
Analysis Batch: 755535

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: LCS 500-755535/68
Matrix: Water
Analysis Batch: 755535

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: 500-246575-2 MS
Matrix: Water
Analysis Batch: 755535

Client Sample ID: MW-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	64		20.0	81.8		mg/L		89	75 - 125

Lab Sample ID: 500-246575-2 MSD
Matrix: Water
Analysis Batch: 755535

Client Sample ID: MW-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	64		20.0	81.7		mg/L		89	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-758551/3
Matrix: Water
Analysis Batch: 758551

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			03/15/24 12:07	1

Lab Sample ID: MB 500-758551/31
Matrix: Water
Analysis Batch: 758551

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			03/15/24 14:26	1

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QC Sample Results

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

Job ID: 500-246575-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-758551/32
Matrix: Water
Analysis Batch: 758551

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	9.73		mg/L		97	90 - 119

Lab Sample ID: LCS 500-758551/4
Matrix: Water
Analysis Batch: 758551

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	9.70		mg/L		97	90 - 119

Lab Sample ID: 500-246575-7 MS
Matrix: Water
Analysis Batch: 758551

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.14		5.00	5.25		mg/L		102	75 - 125

Lab Sample ID: 500-246575-7 MSD
Matrix: Water
Analysis Batch: 758551

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.14		5.00	5.16		mg/L		100	75 - 125	2	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-756044/67
Matrix: Water
Analysis Batch: 756044

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/27/24 16:48	1

Lab Sample ID: LCS 500-756044/68
Matrix: Water
Analysis Batch: 756044

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	22.9		mg/L		114	88 - 123

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

Eurofins Chicago

QC Sample Results

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

Job ID: 500-246575-1

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

Lab Sample ID: LCS 500-756601/17				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 756601							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.4		mg/L		107	88 - 123

MIKE 232



Environment & Urban

[illegible]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-246575-1

Login Number: 246575

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

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	0.2,0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-246575-1

Client Sample ID: MW-02

Date Collected: 02/22/24 08:45

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 17:46
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 13:51
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 09:49
Total/NA	Analysis	SM 2540C		1	755968	CLB	EET CHI	02/27/24 21:23
Total/NA	Analysis	SM 4500 CI- E		2	755535	TR	EET CHI	02/25/24 13:32
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:07
Total/NA	Analysis	SM 4500 SO4 E		1	756044	TR	EET CHI	02/27/24 16:51

Client Sample ID: MW-03

Date Collected: 02/22/24 09:54

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 17:49
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 13:55
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 09:51
Total/NA	Analysis	SM 2540C		1	755968	CLB	EET CHI	02/27/24 21:25
Total/NA	Analysis	SM 4500 CI- E		2	755535	TR	EET CHI	02/25/24 13:32
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:12
Total/NA	Analysis	SM 4500 SO4 E		2	756044	TR	EET CHI	02/27/24 17:06

Client Sample ID: MW-04

Date Collected: 02/22/24 11:02

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 17:53
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 13:58
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 09:57
Total/NA	Analysis	SM 2540C		1	755968	CLB	EET CHI	02/27/24 21:28
Total/NA	Analysis	SM 4500 CI- E		2	755535	TR	EET CHI	02/25/24 15:04
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:17
Total/NA	Analysis	SM 4500 SO4 E		2	756044	TR	EET CHI	02/27/24 17:06

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Lab Chronicle

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

Job ID: 500-246575-1

Client Sample ID: MW-05

Date Collected: 02/22/24 12:21

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 17:56
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 14:02
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 09:59
Total/NA	Analysis	SM 2540C		1	755968	CLB	EET CHI	02/27/24 21:30
Total/NA	Analysis	SM 4500 Cl- E		5	755535	TR	EET CHI	02/25/24 15:04
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:21
Total/NA	Analysis	SM 4500 SO4 E		5	756044	TR	EET CHI	02/27/24 17:06

Client Sample ID: MW-01

Date Collected: 02/21/24 09:07

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 18:07
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 14:06
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 10:02
Total/NA	Analysis	SM 2540C		1	755968	CLB	EET CHI	02/27/24 21:33
Total/NA	Analysis	SM 4500 Cl- E		1	755535	TR	EET CHI	02/25/24 13:27
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:37
Total/NA	Analysis	SM 4500 SO4 E		2	756601	TR	EET CHI	03/03/24 14:32

Client Sample ID: MW-10

Date Collected: 02/21/24 13:42

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 18:11
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 14:21
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		10	758908	RN	EET CHI	03/18/24 14:58
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 10:04
Total/NA	Analysis	SM 2540C		1	755969	CLB	EET CHI	02/27/24 22:28
Total/NA	Analysis	SM 4500 Cl- E		1	755535	TR	EET CHI	02/25/24 13:32
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 15:09
Total/NA	Analysis	SM 4500 SO4 E		5	756601	TR	EET CHI	03/03/24 14:42

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Lab Chronicle

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

Job ID: 500-246575-1

Client Sample ID: Duplicate

Lab Sample ID: 500-246575-7

Date Collected: 02/22/24 00:00

Matrix: Water

Date Received: 02/23/24 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758285	RN	EET CHI	03/13/24 18:14
Total Recoverable	Prep	3005A			757383	MC	EET CHI	03/07/24 17:12 - 03/07/24 23:12 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 14:25
Total/NA	Prep	7470A			757743	MJG	EET CHI	03/11/24 16:15 - 03/11/24 18:15 ¹
Total/NA	Analysis	7470A		1	757900	MJG	EET CHI	03/12/24 10:06
Total/NA	Analysis	SM 2540C		1	755969	CLB	EET CHI	02/27/24 22:35
Total/NA	Analysis	SM 4500 Cl- E		2	755535	TR	EET CHI	02/25/24 15:04
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 14:42
Total/NA	Analysis	SM 4500 SO4 E		1	756601	TR	EET CHI	03/03/24 14:15

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: Powerton CCR FAB

Job ID: 500-246575-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-24

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/25/2024 8:38:40 AM

JOB DESCRIPTION

Powerton CCR FAB (RAD)

JOB NUMBER

500-246575-2

Eurofins Chicago

Job Notes

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Authorization



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Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	14
QC Association	15
QC Sample Results	16
Chain of Custody	17
Receipt Checklists	18
Chronicle	20
Certification Summary	22
Tracer Carrier Summary	23



Case Narrative

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

Job ID: 500-246575-2

Job ID: 500-246575-2

Eurofins Chicago

Job Narrative 500-246575-2

Receipt

The samples were received on 2/23/2024 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.2° C and 0.8° C.

RAD

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

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Method Summary

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

Job ID: 500-246575-2

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: Powerton CCR FAB (RAD)

Job ID: 500-246575-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246575-1	MW-02	Water	02/22/24 08:45	02/23/24 09:20
500-246575-2	MW-03	Water	02/22/24 09:54	02/23/24 09:20
500-246575-3	MW-04	Water	02/22/24 11:02	02/23/24 09:20
500-246575-4	MW-05	Water	02/22/24 12:21	02/23/24 09:20
500-246575-5	MW-01	Water	02/21/24 09:07	02/23/24 09:20
500-246575-6	MW-10	Water	02/21/24 13:42	02/23/24 09:20
500-246575-7	Duplicate	Water	02/22/24 00:00	02/23/24 09:20

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-02

Date Collected: 02/22/24 08:45

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-1

Matrix: Water

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	0.0293	U	0.0503	0.0504	1.00	0.0887	pCi/L	02/28/24 09:51	03/21/24 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					02/28/24 09:51	03/21/24 14:57	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	0.477	U	0.365	0.368	1.00	0.559	pCi/L	02/28/24 09:58	03/05/24 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					02/28/24 09:58	03/05/24 12:49	1
Y Carrier	81.5		30 - 110					02/28/24 09:58	03/05/24 12:49	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	0.506	U	0.368	0.371	5.00	0.559	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-03

Lab Sample ID: 500-246575-2

Date Collected: 02/22/24 09:54

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0188	U	0.0482	0.0483	1.00	0.0903	pCi/L	02/28/24 09:51	03/21/24 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					02/28/24 09:51	03/21/24 14:57	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	0.246	U	0.410	0.411	1.00	0.698	pCi/L	02/28/24 09:58	03/05/24 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					02/28/24 09:58	03/05/24 12:49	1
Y Carrier	80.0		30 - 110					02/28/24 09:58	03/05/24 12:49	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	0.264	U	0.413	0.414	5.00	0.698	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-04

Lab Sample ID: 500-246575-3

Date Collected: 02/22/24 11:02

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0754	U	0.0578	0.0582	1.00	0.0818	pCi/L	02/28/24 09:51	03/21/24 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/28/24 09:51	03/21/24 14:57	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	0.0986	U	0.268	0.268	1.00	0.479	pCi/L	02/28/24 09:58	03/05/24 12:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/28/24 09:58	03/05/24 12:49	1
Y Carrier	84.5		30 - 110					02/28/24 09:58	03/05/24 12:49	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	0.174	U	0.274	0.274	5.00	0.479	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-05

Lab Sample ID: 500-246575-4

Date Collected: 02/22/24 12:21

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0926		0.0652	0.0657	1.00	0.0905	pCi/L	02/28/24 09:51	03/21/24 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					02/28/24 09:51	03/21/24 14:57	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	0.873		0.490	0.496	1.00	0.725	pCi/L	02/28/24 09:58	03/05/24 12:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					02/28/24 09:58	03/05/24 12:50	1
Y Carrier	78.5		30 - 110					02/28/24 09:58	03/05/24 12:50	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	0.965		0.494	0.500	5.00	0.725	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-01

Lab Sample ID: 500-246575-5

Date Collected: 02/21/24 09:07

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0877		0.0580	0.0586	1.00	0.0780	pCi/L	02/28/24 09:51	03/21/24 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	108		30 - 110					02/28/24 09:51	03/21/24 14:58	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	-0.183	U	0.261	0.262	1.00	0.528	pCi/L	02/28/24 09:58	03/05/24 12:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	108		30 - 110					02/28/24 09:58	03/05/24 12:42	1
Y Carrier	84.9		30 - 110					02/28/24 09:58	03/05/24 12:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0949	U	0.267	0.268	5.00	0.528	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: MW-10

Lab Sample ID: 500-246575-6

Date Collected: 02/21/24 13:42

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249		0.111	0.113	1.00	0.127	pCi/L	02/28/24 09:51	03/21/24 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	110		30 - 110					02/28/24 09:51	03/21/24 14:58	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	0.112	U	0.371	0.371	1.00	0.664	pCi/L	02/28/24 09:58	03/05/24 12:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	110		30 - 110					02/28/24 09:58	03/05/24 12:42	1
Y Carrier	77.4		30 - 110					02/28/24 09:58	03/05/24 12:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.361	U	0.387	0.388	5.00	0.664	pCi/L		03/22/24 18:25	1

Client Sample Results

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

Job ID: 500-246575-2

Client Sample ID: Duplicate

Lab Sample ID: 500-246575-7

Date Collected: 02/22/24 00:00

Matrix: Water

Date Received: 02/23/24 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0305	U	0.0473	0.0474	1.00	0.0820	pCi/L	02/28/24 09:51	03/21/24 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					02/28/24 09:51	03/21/24 14:58	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	0.0255	U	0.323	0.323	1.00	0.594	pCi/L	02/28/24 09:58	03/05/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					02/28/24 09:58	03/05/24 12:43	1
Y Carrier	81.9		30 - 110					02/28/24 09:58	03/05/24 12:43	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	0.0560	U	0.326	0.326	5.00	0.594	pCi/L		03/22/24 18:25	1

Definitions/Glossary

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

Job ID: 500-246575-2

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: Powerton CCR FAB (RAD)

Job ID: 500-246575-2

Rad

Prep Batch: 650199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	PrecSep-21	
500-246575-2	MW-03	Total/NA	Water	PrecSep-21	
500-246575-3	MW-04	Total/NA	Water	PrecSep-21	
500-246575-4	MW-05	Total/NA	Water	PrecSep-21	
500-246575-5	MW-01	Total/NA	Water	PrecSep-21	
500-246575-6	MW-10	Total/NA	Water	PrecSep-21	
500-246575-7	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-650199/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-650199/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 650202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246575-1	MW-02	Total/NA	Water	PrecSep_0	
500-246575-2	MW-03	Total/NA	Water	PrecSep_0	
500-246575-3	MW-04	Total/NA	Water	PrecSep_0	
500-246575-4	MW-05	Total/NA	Water	PrecSep_0	
500-246575-5	MW-01	Total/NA	Water	PrecSep_0	
500-246575-6	MW-10	Total/NA	Water	PrecSep_0	
500-246575-7	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-650202/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-650202/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-246575-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-650199/1-A
Matrix: Water
Analysis Batch: 653379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650199

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006231	U	0.0432	0.0432	1.00	0.0867	pCi/L	02/28/24 09:51	03/21/24 14:44	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					02/28/24 09:51	03/21/24 14:44	1

Lab Sample ID: LCS 160-650199/2-A
Matrix: Water
Analysis Batch: 653379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650199

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.29		1.06	1.00	0.117	pCi/L	91	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	97.7		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-650202/1-A
Matrix: Water
Analysis Batch: 651017

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650202

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6284		0.373	0.378	1.00	0.544	pCi/L	02/28/24 09:58	03/05/24 12:38	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					02/28/24 09:58	03/05/24 12:38	1
Y Carrier	82.2		30 - 110					02/28/24 09:58	03/05/24 12:38	1

Lab Sample ID: LCS 160-650202/2-A
Matrix: Water
Analysis Batch: 651016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650202

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		9.15	10.09		1.36	1.00	0.579	pCi/L	110	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	97.7		30 - 110							
Y Carrier	83.4		30 - 110							

Eurofins Chicago

Eurofins Chicago

2417 Bond Street

University Park IL 60484

Phone 708 534-5200 Fax: 708-534-5211

Chain of Custody Record

MKE 232



Environmental Testing

Client Information		Sampler <u>Jack Misner</u>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-120486-46459 1					
Client Contact Kaelyn Sperle		Phone <u>262-622-1143</u>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin <u>IL</u>		Page Page 1 of 1 <u>500-246575</u>					
Company KPRG and Associates, Inc.		PWSID		Analysis Requested						Job # <u>12313.1</u>			
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested <u>Standard</u>		 500-246575 COC						Preservation Codes 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) Other			
City Brookfield		TAT Requested (days) <u>Standard</u>											
State Zip WI, 53005		Compliance Project ☐ Yes ☐ No											
Phone 262-781-0475(Tel)		PO # 4502125100											
Email kaelyns@kprginc.com		WO #		Field Filtered Sample (Yes or No) Perform MS/MS (Yes or No) 903.0 - Standard Target List Ra226Ra228, GFPC - Local Method 904.0 - Standard Target List 6020A, 7470A 2540C, 4500_F_C, SM4500_SO4_E						Total Number of Containers <u>5</u>			
Project Name Powerton CCR <u>FAB</u>		Project # 50011612											
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	
<u>MW-02</u>		<u>2/22/24</u>		<u>0845</u>		<u>G</u>		<u>Water</u>		<u>N</u>			
<u>MW-03</u>		<u>↓</u>		<u>0954</u>		<u>↓</u>		<u>Water</u>		<u>N</u>			
<u>MW-04</u>		<u>↓</u>		<u>1102</u>		<u>↓</u>		<u>Water</u>		<u>N</u>			
<u>MW-05</u>		<u>2/22/24</u>		<u>1221</u>		<u>G</u>		<u>Water</u>		<u>N</u>			
<u>MW-01</u>		<u>2/21/24</u>		<u>0907</u>		<u>G</u>		<u>Water</u>		<u>N</u>			
<u>MW-10</u>		<u>2/21/24</u>		<u>1342</u>		<u>G</u>		<u>Water</u>		<u>N</u>			
<u>Duplicate</u>		<u>2/22/24</u>		<u>-</u>		<u>G</u>		<u>Water</u>		<u>N</u>			
								<u>Water</u>					
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 <u>Jack Misner</u>				Date/Time <u>2/22/24 1420</u>		Company <u>KPRG</u>		Received by <u>FedEx</u>		Date/Time <u>2/22/24 1420</u>		Company <u>FedEx</u>	
Relinquished by				Date/Time		Company		Received by <u>Stephanie Hernandez</u>		Date/Time <u>2/23/24 0920</u>		Company <u>EEIA</u>	
Relinquished by				Date/Time		Company		Received by		Date/Time		Company	
Custody Seals Intact. ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <u>-0.3+0.2, 0.3+0.8</u>									

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-246575-2

SDG Number:

Login Number: 246575

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

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	0.2,0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-246575-2

SDG Number:

Login Number: 246575

List Number: 2

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 02/26/24 01:50 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: Powerton CCR FAB (RAD)

Job ID: 500-246575-2

Client Sample ID: MW-02

Date Collected: 02/22/24 08:45

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:57
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651016	CMM	EET SL	03/05/24 12:49
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Client Sample ID: MW-03

Date Collected: 02/22/24 09:54

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:57
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651016	CMM	EET SL	03/05/24 12:49
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Client Sample ID: MW-04

Date Collected: 02/22/24 11:02

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:57
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651016	CMM	EET SL	03/05/24 12:49
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Client Sample ID: MW-05

Date Collected: 02/22/24 12:21

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:57
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651016	CMM	EET SL	03/05/24 12:50
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Lab Chronicle

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

Job ID: 500-246575-2

Client Sample ID: MW-01

Date Collected: 02/21/24 09:07

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:58
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651017	FLC	EET SL	03/05/24 12:42
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Client Sample ID: MW-10

Date Collected: 02/21/24 13:42

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:58
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651017	FLC	EET SL	03/05/24 12:42
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

Client Sample ID: Duplicate

Date Collected: 02/22/24 00:00

Date Received: 02/23/24 09:20

Lab Sample ID: 500-246575-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			650199	KAC	EET SL	02/28/24 09:51
Total/NA	Analysis	903.0		1	653504	SCB	EET SL	03/21/24 14:58
Total/NA	Prep	PrecSep_0			650202	KAC	EET SL	02/28/24 09:58
Total/NA	Analysis	904.0		1	651017	FLC	EET SL	03/05/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	653731	EMH	EET SL	03/22/24 18:25

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: Powerton CCR FAB (RAD)

Job ID: 500-246575-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-24

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

Tracer/Carrier Summary

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

Job ID: 500-246575-2

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)					
500-246575-1	MW-02	95.7					
500-246575-2	MW-03	93.1					
500-246575-3	MW-04	101					
500-246575-4	MW-05	97.7					
500-246575-5	MW-01	108					
500-246575-6	MW-10	110					
500-246575-7	Duplicate	92.1					
LCS 160-650199/2-A	Lab Control Sample	97.7					
MB 160-650199/1-A	Method Blank	97.5					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba	Y				
		(30-110)	(30-110)				
500-246575-1	MW-02	95.7	81.5				
500-246575-2	MW-03	93.1	80.0				
500-246575-3	MW-04	101	84.5				
500-246575-4	MW-05	97.7	78.5				
500-246575-5	MW-01	108	84.9				
500-246575-6	MW-10	110	77.4				
500-246575-7	Duplicate	92.1	81.9				
LCS 160-650202/2-A	Lab Control Sample	97.7	83.4				
MB 160-650202/1-A	Method Blank	97.5	82.2				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/11/2024 12:47:16 PM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-252291-1

Eurofins Chicago

Job Notes

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

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

Authorization



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Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	34
QC Association	35
QC Sample Results	43
Chain of Custody	54
Receipt Checklists	65
Chronicle	66
Certification Summary	76



Case Narrative

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

Job ID: 500-252291-1

Job ID: 500-252291-1

Eurofins Chicago

Job Narrative 500-252291-1

Receipt

The samples were received on 6/18/2024 9:45 AM, 6/19/2024 9:50 AM, 6/20/2024 9:45 AM and 6/21/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.2°C, 3.4°C, 4.6°C, 4.7°C, 5.0°C, 5.0°C, 5.5°C, 5.8°C, 5.9°C and 7.1°C.

Receipt Exceptions

he following sample(s) was received at the laboratory outside the required temperature criteria: receiving cooler temp 7.1°C, water present in cooler no visible ice. Samples in cooler (#24 MW-08 and #25 MW-09):.

Metals

Method 6020B - Total Recoverable: The initial calibration verification (ICV) result for batch 500-776031 was above the upper control limit. The affected analytes are: Lithium. Sample results were below the reporting limit, and have been reported as qualified data.

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

General Chemistry

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

Eurofins Chicago

Method Summary

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

Job ID: 500-252291-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-252291-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252291-1	MW-17	Water	06/17/24 14:46	06/18/24 09:45
500-252291-2	MW-18	Water	06/17/24 15:39	06/18/24 09:45
500-252291-3	MW-19	Water	06/17/24 16:20	06/18/24 09:45
500-252291-4	MW-20	Water	06/17/24 13:37	06/18/24 09:45
500-252291-5	MW-21	Water	06/17/24 11:36	06/18/24 09:45
500-252291-6	MW-21D	Water	06/17/24 12:42	06/18/24 09:45
500-252291-7	Duplicate 1	Water	06/18/24 00:00	06/19/24 09:50
500-252291-8	MW-14	Water	06/18/24 09:41	06/19/24 09:50
500-252291-9	MW-15	Water	06/18/24 11:10	06/19/24 09:50
500-252291-10	MW-16	Water	06/18/24 15:13	06/19/24 09:50
500-252291-11	MW-06	Water	06/18/24 12:44	06/19/24 09:50
500-252291-12	MW-07	Water	06/18/24 13:56	06/19/24 09:50
500-252291-13	MW-01	Water	06/19/24 11:06	06/20/24 09:45
500-252291-14	MW-02	Water	06/19/24 08:57	06/20/24 09:45
500-252291-15	MW-03	Water	06/19/24 10:02	06/20/24 09:45
500-252291-16	MW-04	Water	06/19/24 12:20	06/20/24 09:45
500-252291-17	MW-05	Water	06/19/24 13:18	06/20/24 09:45
500-252291-18	MW-13	Water	06/19/24 14:28	06/20/24 09:45
500-252291-19	Duplicate 2	Water	06/19/24 00:00	06/20/24 09:45
500-252291-20	MW-10	Water	06/19/24 15:32	06/20/24 09:45
500-252291-21	Duplicate 3	Water	06/20/24 00:00	06/21/24 10:00
500-252291-22	MW-22	Water	06/20/24 12:33	06/21/24 10:00
500-252291-23	MW-23	Water	06/20/24 11:47	06/21/24 10:00
500-252291-24	MW-08	Water	06/20/24 08:29	06/21/24 10:00
500-252291-25	MW-09	Water	06/20/24 10:34	06/21/24 10:00
500-252291-26	MW-12R	Water	06/20/24 13:16	06/21/24 10:00
500-252291-27	MW-11	Water	06/20/24 09:25	06/21/24 10:00

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-17

Lab Sample ID: 500-252291-1

Date Collected: 06/17/24 14:46

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 16:35	1
Arsenic	0.0027		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Barium	0.026		0.0025		mg/L		07/09/24 08:31	07/09/24 16:35	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Boron	1.1		0.050		mg/L		07/09/24 08:31	07/10/24 12:06	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Calcium	160		0.20		mg/L		07/09/24 08:31	07/10/24 12:06	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Lithium	0.013		0.010		mg/L		07/09/24 08:31	07/10/24 12:06	1
Molybdenum	0.062		0.0050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:35	1
Thallium	0.0022		0.0020		mg/L		07/09/24 08:31	07/09/24 16:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			06/19/24 22:39	1
Chloride (SM 4500 Cl- E)	170		10		mg/L			06/19/24 13:04	5
Fluoride (SM 4500 F C)	0.70		0.10		mg/L			06/28/24 10:53	1
Sulfate (SM 4500 SO4 E)	600		100		mg/L			06/25/24 14:46	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-18

Lab Sample ID: 500-252291-2

Date Collected: 06/17/24 15:39

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 17:00	1
Arsenic	0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Barium	0.13		0.0025		mg/L		07/09/24 08:31	07/09/24 17:00	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Boron	0.70		0.050		mg/L		07/09/24 08:31	07/10/24 12:17	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:17	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:00	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/19/24 22:46	1
Chloride (SM 4500 Cl- E)	160		10		mg/L			06/19/24 13:05	5
Fluoride (SM 4500 F C)	0.52		0.10		mg/L			07/10/24 16:51	1
Sulfate (SM 4500 SO4 E)	89		10		mg/L			06/25/24 13:33	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-19

Lab Sample ID: 500-252291-3

Date Collected: 06/17/24 16:20

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 17:03	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Barium	0.088		0.0025		mg/L		07/09/24 08:31	07/09/24 17:03	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Boron	2.1		0.25		mg/L		07/09/24 08:31	07/10/24 12:19	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Calcium	110		1.0		mg/L		07/09/24 08:31	07/10/24 12:19	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Molybdenum	0.022		0.0050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:03	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			06/19/24 22:52	1
Chloride (SM 4500 Cl- E)	43		2.0		mg/L			06/19/24 12:22	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			07/10/24 17:06	1
Sulfate (SM 4500 SO4 E)	130	F1	25		mg/L			06/25/24 14:48	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-20

Lab Sample ID: 500-252291-4

Date Collected: 06/17/24 13:37

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 17:07	1
Arsenic	0.0054		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Barium	0.085		0.0025		mg/L		07/09/24 08:31	07/09/24 17:07	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Boron	1.6		0.050		mg/L		07/09/24 08:31	07/10/24 12:25	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Calcium	270		0.20		mg/L		07/09/24 08:31	07/10/24 12:25	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:07	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:07	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 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2000		10		mg/L			06/19/24 22:54	1
Chloride (SM 4500 Cl- E)	64		4.0		mg/L			06/19/24 13:03	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			07/10/24 17:11	1
Sulfate (SM 4500 SO4 E)	640		100		mg/L			06/25/24 14:47	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-21

Lab Sample ID: 500-252291-5

Date Collected: 06/17/24 11:36

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 17:11	1
Arsenic	0.034		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Barium	0.35		0.0025		mg/L		07/09/24 08:31	07/09/24 17:11	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Boron	0.52		0.050		mg/L		07/09/24 08:31	07/10/24 12:27	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:27	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Cobalt	0.0046		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:11	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:11	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 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	690		10		mg/L			06/19/24 22:57	1
Chloride (SM 4500 Cl- E)	23		2.0		mg/L			06/19/24 12:23	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 17:15	1
Sulfate (SM 4500 SO4 E)	<5.0		5.0		mg/L			06/25/24 13:15	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-21D

Lab Sample ID: 500-252291-6

Date Collected: 06/17/24 12:42

Matrix: Water

Date Received: 06/18/24 09:45

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 08:31	07/09/24 17:14	1
Arsenic	0.0033		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Barium	0.46		0.0025		mg/L		07/09/24 08:31	07/09/24 17:14	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Boron	2.0		0.25		mg/L		07/09/24 08:31	07/10/24 12:29	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Calcium	81		1.0		mg/L		07/09/24 08:31	07/10/24 12:29	5
Chromium	0.0076		0.0050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Cobalt	0.0047		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Lead	0.0036		0.00050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Molybdenum	0.021		0.0050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Selenium	0.0031		0.0025		mg/L		07/09/24 08:31	07/09/24 17:14	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	570		10		mg/L			06/19/24 22:59	1
Chloride (SM 4500 Cl- E)	73		4.0		mg/L			06/19/24 13:04	2
Fluoride (SM 4500 F C)	0.41		0.10		mg/L			07/10/24 17:20	1
Sulfate (SM 4500 SO4 E)	140		25		mg/L			06/25/24 14:48	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 1

Lab Sample ID: 500-252291-7

Date Collected: 06/18/24 00:00

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:18	1
Arsenic	0.0020		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Barium	0.067		0.0025		mg/L		07/09/24 08:31	07/09/24 17:18	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Boron	1.8		0.25		mg/L		07/09/24 08:31	07/10/24 12:31	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:31	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:31	5
Molybdenum	0.030		0.0050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Selenium	0.021		0.0025		mg/L		07/09/24 08:31	07/09/24 17:18	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2100		10		mg/L			06/19/24 23:02	1
Chloride (SM 4500 Cl- E)	330		20		mg/L			06/23/24 11:53	10
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 17:25	1
Sulfate (SM 4500 SO4 E)	600		100		mg/L			06/25/24 15:50	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-14

Lab Sample ID: 500-252291-8

Date Collected: 06/18/24 09:41

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:21	1
Arsenic	0.0020		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Barium	0.058		0.0025		mg/L		07/09/24 08:31	07/09/24 17:21	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Boron	2.2		0.25		mg/L		07/09/24 08:31	07/10/24 12:33	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:33	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:33	5
Molybdenum	0.10		0.0050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Selenium	0.053		0.0025		mg/L		07/09/24 08:31	07/09/24 17:21	1
Thallium	0.0051		0.0020		mg/L		07/09/24 08:31	07/09/24 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3900		10		mg/L			06/19/24 23:05	1
Chloride (SM 4500 Cl- E)	85		4.0		mg/L			06/20/24 11:02	2
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			07/10/24 17:40	1
Sulfate (SM 4500 SO4 E)	1500		500		mg/L			06/25/24 15:01	100

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-15

Lab Sample ID: 500-252291-9

Date Collected: 06/18/24 11:10

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:25	1
Arsenic	0.0025		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Barium	0.068		0.0025		mg/L		07/09/24 08:31	07/09/24 17:25	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Boron	1.8		0.25		mg/L		07/09/24 08:31	07/10/24 12:36	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:36	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:36	5
Molybdenum	0.031		0.0050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Selenium	0.022		0.0025		mg/L		07/09/24 08:31	07/09/24 17:25	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:25	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 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2000		10		mg/L			06/19/24 23:07	1
Chloride (SM 4500 Cl- E)	340		20		mg/L			06/20/24 11:02	10
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 17:45	1
Sulfate (SM 4500 SO4 E)	630		100		mg/L			06/25/24 14:48	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-16

Lab Sample ID: 500-252291-10

Date Collected: 06/18/24 15:13

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:29	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Barium	0.040		0.0025		mg/L		07/09/24 08:31	07/09/24 17:29	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Boron	0.19		0.050		mg/L		07/09/24 08:31	07/10/24 12:38	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Calcium	110		0.20		mg/L		07/09/24 08:31	07/10/24 12:38	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:29	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	510		10		mg/L			06/19/24 23:10	1
Chloride (SM 4500 Cl- E)	21		2.0		mg/L			06/20/24 10:14	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			07/10/24 17:49	1
Sulfate (SM 4500 SO4 E)	39		5.0		mg/L			06/25/24 13:15	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-06

Lab Sample ID: 500-252291-11

Date Collected: 06/18/24 12:44

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:32	1
Arsenic	0.0021		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Barium	0.059		0.0025		mg/L		07/09/24 08:31	07/09/24 17:32	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Boron	0.39		0.050		mg/L		07/09/24 08:31	07/10/24 12:40	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Calcium	94		0.20		mg/L		07/09/24 08:31	07/10/24 12:40	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Molybdenum	0.010		0.0050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:32	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	820		10		mg/L			06/19/24 23:12	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			06/20/24 11:02	5
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			07/10/24 17:54	1
Sulfate (SM 4500 SO4 E)	220		25		mg/L			06/25/24 13:35	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-07

Lab Sample ID: 500-252291-12

Date Collected: 06/18/24 13:56

Matrix: Water

Date Received: 06/19/24 09:50

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 08:31	07/09/24 17:43	1
Arsenic	0.12		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Barium	0.48		0.0025		mg/L		07/09/24 08:31	07/09/24 17:43	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Boron	0.79		0.050		mg/L		07/09/24 08:31	07/10/24 12:42	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Calcium	230		0.20		mg/L		07/09/24 08:31	07/10/24 12:42	1
Chromium	0.0073		0.0050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Cobalt	0.0088		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Lead	0.0051		0.00050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Molybdenum	0.0058		0.0050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:43	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/19/24 23:15	1
Chloride (SM 4500 Cl- E)	130		10		mg/L			06/20/24 11:03	5
Fluoride (SM 4500 F C)	0.50		0.10		mg/L			07/10/24 17:58	1
Sulfate (SM 4500 SO4 E)	49		5.0		mg/L			06/25/24 13:16	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-01

Lab Sample ID: 500-252291-13

Date Collected: 06/19/24 11:06

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 17:47	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Barium	0.053		0.0025		mg/L		07/09/24 08:31	07/09/24 17:47	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Boron	0.14		0.050		mg/L		07/09/24 08:31	07/10/24 12:44	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Calcium	100		0.20		mg/L		07/09/24 08:31	07/10/24 12:44	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:47	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10		mg/L			06/20/24 22:34	1
Chloride (SM 4500 Cl- E)	78		4.0		mg/L			06/23/24 11:53	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 18:03	1
Sulfate (SM 4500 SO4 E)	29		5.0		mg/L			06/25/24 15:19	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-02

Lab Sample ID: 500-252291-14

Date Collected: 06/19/24 08:57

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 17:50	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Barium	0.089		0.0025		mg/L		07/09/24 08:31	07/09/24 17:50	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Boron	1.4		0.25		mg/L		07/09/24 08:31	07/10/24 12:50	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Calcium	110		1.0		mg/L		07/09/24 08:31	07/10/24 12:50	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:50	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	610		10		mg/L			06/20/24 22:41	1
Chloride (SM 4500 Cl- E)	57		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			07/10/24 18:08	1
Sulfate (SM 4500 SO4 E)	82		10		mg/L			06/25/24 15:31	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-03

Lab Sample ID: 500-252291-15

Date Collected: 06/19/24 10:02

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 17:54	1
Arsenic	0.0011		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Barium	0.078		0.0025		mg/L		07/09/24 08:31	07/09/24 17:54	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Boron	0.93		0.050		mg/L		07/09/24 08:31	07/10/24 12:52	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Calcium	100		0.20		mg/L		07/09/24 08:31	07/10/24 12:52	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:54	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	540		10		mg/L			06/20/24 22:47	1
Chloride (SM 4500 Cl- E)	54		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			07/10/24 18:13	1
Sulfate (SM 4500 SO4 E)	73		10		mg/L			06/25/24 15:31	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-04

Lab Sample ID: 500-252291-16

Date Collected: 06/19/24 12:20

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 17:57	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Barium	0.049		0.0025		mg/L		07/09/24 08:31	07/09/24 17:57	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Boron	1.3		0.050		mg/L		07/09/24 08:31	07/10/24 12:54	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Calcium	120		0.20		mg/L		07/09/24 08:31	07/10/24 12:54	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:57	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	670		10		mg/L			06/20/24 22:49	1
Chloride (SM 4500 Cl- E)	57		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 18:17	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:50	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-05

Lab Sample ID: 500-252291-17

Date Collected: 06/19/24 13:18

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 18:01	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Barium	0.057		0.0025		mg/L		07/09/24 08:31	07/09/24 18:01	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Boron	1.8		0.050		mg/L		07/09/24 08:31	07/10/24 12:56	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:56	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:01	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	850		10		mg/L			06/20/24 22:52	1
Chloride (SM 4500 Cl- E)	82		4.0		mg/L			06/23/24 11:55	2
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			07/10/24 18:21	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			06/25/24 15:32	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-13

Lab Sample ID: 500-252291-18

Date Collected: 06/19/24 14:28

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 18:05	1
Arsenic	0.017		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Barium	0.097		0.0025		mg/L		07/09/24 08:31	07/09/24 18:05	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Boron	2.5		0.25		mg/L		07/09/24 08:31	07/10/24 12:58	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Calcium	150		1.0		mg/L		07/09/24 08:31	07/10/24 12:58	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Molybdenum	0.021		0.0050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:05	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:27	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 22:54	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/23/24 11:55	5
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 18:36	1
Sulfate (SM 4500 SO4 E)	360		50		mg/L			06/25/24 15:51	10

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 2

Lab Sample ID: 500-252291-19

Date Collected: 06/19/24 00:00

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 18:08	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Barium	0.055		0.0025		mg/L		07/09/24 08:31	07/09/24 18:08	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Boron	0.14		0.050		mg/L		07/09/24 08:31	07/10/24 13:01	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Calcium	110		0.20		mg/L		07/09/24 08:31	07/10/24 13:01	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:08	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		10		mg/L			06/20/24 22:57	1
Chloride (SM 4500 Cl- E)	78		4.0		mg/L			06/23/24 11:55	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 18:40	1
Sulfate (SM 4500 SO4 E)	29		5.0		mg/L			06/25/24 15:17	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-10

Lab Sample ID: 500-252291-20

Date Collected: 06/19/24 15:32

Matrix: Water

Date Received: 06/20/24 09:45

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 08:31	07/09/24 18:12	1
Arsenic	0.0012		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Barium	0.25		0.0025		mg/L		07/09/24 08:31	07/09/24 18:12	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Boron	5.8		0.50		mg/L		07/09/24 08:31	07/10/24 13:03	10
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Calcium	130		2.0		mg/L		07/09/24 08:31	07/10/24 13:03	10
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Cobalt	0.0071		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Lead	0.0014		0.00050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Selenium	0.0066		0.0025		mg/L		07/09/24 08:31	07/09/24 18:12	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			06/20/24 23:00	1
Chloride (SM 4500 Cl- E)	35		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.28		0.10		mg/L			07/10/24 18:45	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:51	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 3

Lab Sample ID: 500-252291-21

Date Collected: 06/20/24 00:00

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 18:30	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Barium	0.033		0.0025		mg/L		07/09/24 08:32	07/09/24 18:30	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:13	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Calcium	69		1.0		mg/L		07/09/24 08:32	07/10/24 13:13	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Molybdenum	0.024		0.0050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:30	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	640		10		mg/L			06/23/24 21:05	1
Chloride (SM 4500 Cl- E)	28		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 18:49	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			06/25/24 15:51	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-22

Lab Sample ID: 500-252291-22

Date Collected: 06/20/24 12:33

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 18:48	1
Arsenic	0.0037		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Barium	0.14		0.0025		mg/L		07/09/24 08:32	07/09/24 18:48	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Boron	0.98		0.050		mg/L		07/09/24 08:32	07/10/24 13:24	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Calcium	130		0.20		mg/L		07/09/24 08:32	07/10/24 13:24	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Cobalt	0.0027		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Molybdenum	0.028		0.0050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Selenium	0.0029		0.0025		mg/L		07/09/24 08:32	07/09/24 18:48	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 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		07/09/24 14:25	07/10/24 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	940		10		mg/L			06/23/24 21:07	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/23/24 11:56	5
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			07/10/24 19:04	1
Sulfate (SM 4500 SO4 E)	220		25		mg/L			06/25/24 15:33	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-23

Lab Sample ID: 500-252291-23

Date Collected: 06/20/24 11:47

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 18:52	1
Arsenic	0.0027		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Barium	0.18		0.0025		mg/L		07/09/24 08:32	07/09/24 18:52	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:26	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Calcium	75		1.0		mg/L		07/09/24 08:32	07/10/24 13:26	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Cobalt	0.0060		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Lead	0.0017		0.00050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Molybdenum	0.018		0.0050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Selenium	0.0041		0.0025		mg/L		07/09/24 08:32	07/09/24 18:52	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	600		10		mg/L			06/23/24 21:10	1
Chloride (SM 4500 Cl- E)	33		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 19:08	1
Sulfate (SM 4500 SO4 E)	110		25		mg/L			06/25/24 15:52	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-08

Lab Sample ID: 500-252291-24

Date Collected: 06/20/24 08:29

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 18:55	1
Arsenic	0.0021		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Barium	0.12		0.0025		mg/L		07/09/24 08:32	07/09/24 18:55	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Boron	0.85		0.050		mg/L		07/09/24 08:32	07/10/24 13:28	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Calcium	140		0.20		mg/L		07/09/24 08:32	07/10/24 13:28	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Lithium	0.020		0.010		mg/L		07/09/24 08:32	07/10/24 13:28	1
Molybdenum	0.0072		0.0050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:55	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	920		10		mg/L			06/23/24 21:13	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			06/23/24 11:56	5
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 19:13	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:35	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-09

Lab Sample ID: 500-252291-25

Date Collected: 06/20/24 10:34

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 19:06	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Barium	0.033		0.0025		mg/L		07/09/24 08:32	07/09/24 19:06	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:35	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Calcium	69		1.0		mg/L		07/09/24 08:32	07/10/24 13:35	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Molybdenum	0.024		0.0050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Selenium	0.0027		0.0025		mg/L		07/09/24 08:32	07/09/24 19:06	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 19:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			06/23/24 21:15	1
Chloride (SM 4500 Cl- E)	29		2.0		mg/L			06/23/24 11:23	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 19:17	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			06/25/24 15:52	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-12R

Lab Sample ID: 500-252291-26

Date Collected: 06/20/24 13:16

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 19:10	1
Arsenic	0.0022		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Barium	0.066		0.0025		mg/L		07/09/24 08:32	07/09/24 19:10	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Boron	0.48		0.050		mg/L		07/09/24 08:32	07/10/24 13:37	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Calcium	110		0.20		mg/L		07/09/24 08:32	07/10/24 13:37	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Lithium	0.012		0.010		mg/L		07/09/24 08:32	07/10/24 13:37	1
Molybdenum	0.015		0.0050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 19:10	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 19:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			06/23/24 21:18	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			06/23/24 11:57	5
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			07/10/24 19:31	1
Sulfate (SM 4500 SO4 E)	330		50		mg/L			06/25/24 15:52	10

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-11

Lab Sample ID: 500-252291-27

Date Collected: 06/20/24 09:25

Matrix: Water

Date Received: 06/21/24 10:00

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		07/09/24 08:32	07/09/24 19:13	1
Arsenic	0.0089		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Barium	0.19		0.0025		mg/L		07/09/24 08:32	07/09/24 19:13	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Boron	2.4		0.25		mg/L		07/09/24 08:32	07/10/24 13:39	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Calcium	120		1.0		mg/L		07/09/24 08:32	07/10/24 13:39	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Cobalt	0.0018		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Molybdenum	0.014		0.0050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 19:13	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 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		07/09/24 14:25	07/10/24 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	790		10		mg/L			06/23/24 21:20	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.51		0.10		mg/L			07/10/24 19:35	1
Sulfate (SM 4500 SO4 E)	110		25		mg/L			06/25/24 15:53	5

Definitions/Glossary

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

Job ID: 500-252291-1

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.
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: Powerton CCR

Job ID: 500-252291-1

Metals

Prep Batch: 775706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	7470A	
500-252291-2	MW-18	Total/NA	Water	7470A	
500-252291-3	MW-19	Total/NA	Water	7470A	
500-252291-4	MW-20	Total/NA	Water	7470A	
500-252291-5	MW-21	Total/NA	Water	7470A	
500-252291-6	MW-21D	Total/NA	Water	7470A	
500-252291-7	Duplicate 1	Total/NA	Water	7470A	
500-252291-8	MW-14	Total/NA	Water	7470A	
500-252291-9	MW-15	Total/NA	Water	7470A	
500-252291-10	MW-16	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	
500-252291-4 MS	MW-20	Total/NA	Water	7470A	
500-252291-4 MSD	MW-20	Total/NA	Water	7470A	
500-252291-4 DU	MW-20	Total/NA	Water	7470A	

Prep Batch: 775846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	3005A	
500-252291-2	MW-18	Total Recoverable	Water	3005A	
500-252291-3	MW-19	Total Recoverable	Water	3005A	
500-252291-4	MW-20	Total Recoverable	Water	3005A	
500-252291-5	MW-21	Total Recoverable	Water	3005A	
500-252291-6	MW-21D	Total Recoverable	Water	3005A	
500-252291-7	Duplicate 1	Total Recoverable	Water	3005A	
500-252291-8	MW-14	Total Recoverable	Water	3005A	
500-252291-9	MW-15	Total Recoverable	Water	3005A	
500-252291-10	MW-16	Total Recoverable	Water	3005A	
500-252291-11	MW-06	Total Recoverable	Water	3005A	
500-252291-12	MW-07	Total Recoverable	Water	3005A	
500-252291-13	MW-01	Total Recoverable	Water	3005A	
500-252291-14	MW-02	Total Recoverable	Water	3005A	
500-252291-15	MW-03	Total Recoverable	Water	3005A	
500-252291-16	MW-04	Total Recoverable	Water	3005A	
500-252291-17	MW-05	Total Recoverable	Water	3005A	
500-252291-18	MW-13	Total Recoverable	Water	3005A	
500-252291-19	Duplicate 2	Total Recoverable	Water	3005A	
500-252291-20	MW-10	Total Recoverable	Water	3005A	
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252291-1 MS	MW-17	Total Recoverable	Water	3005A	
500-252291-1 MSD	MW-17	Total Recoverable	Water	3005A	
500-252291-1 DU	MW-17	Total Recoverable	Water	3005A	

Prep Batch: 775847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-22	MW-22	Total Recoverable	Water	3005A	
500-252291-23	MW-23	Total Recoverable	Water	3005A	
500-252291-24	MW-08	Total Recoverable	Water	3005A	
500-252291-25	MW-09	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 500-252291-1

Metals (Continued)

Prep Batch: 775847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-26	MW-12R	Total Recoverable	Water	3005A	
500-252291-27	MW-11	Total Recoverable	Water	3005A	
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	3005A	

Analysis Batch: 775890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	7470A	775706
500-252291-2	MW-18	Total/NA	Water	7470A	775706
500-252291-3	MW-19	Total/NA	Water	7470A	775706
500-252291-4	MW-20	Total/NA	Water	7470A	775706
500-252291-5	MW-21	Total/NA	Water	7470A	775706
500-252291-6	MW-21D	Total/NA	Water	7470A	775706
500-252291-7	Duplicate 1	Total/NA	Water	7470A	775706
500-252291-8	MW-14	Total/NA	Water	7470A	775706
500-252291-9	MW-15	Total/NA	Water	7470A	775706
500-252291-10	MW-16	Total/NA	Water	7470A	775706
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	775706
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	775706
500-252291-4 MS	MW-20	Total/NA	Water	7470A	775706
500-252291-4 MSD	MW-20	Total/NA	Water	7470A	775706
500-252291-4 DU	MW-20	Total/NA	Water	7470A	775706

Prep Batch: 775919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-11	MW-06	Total/NA	Water	7470A	
500-252291-12	MW-07	Total/NA	Water	7470A	
500-252291-13	MW-01	Total/NA	Water	7470A	
500-252291-14	MW-02	Total/NA	Water	7470A	
500-252291-15	MW-03	Total/NA	Water	7470A	
500-252291-16	MW-04	Total/NA	Water	7470A	
500-252291-17	MW-05	Total/NA	Water	7470A	
500-252291-18	MW-13	Total/NA	Water	7470A	
500-252291-19	Duplicate 2	Total/NA	Water	7470A	
500-252291-20	MW-10	Total/NA	Water	7470A	
500-252291-21	Duplicate 3	Total/NA	Water	7470A	
500-252291-22	MW-22	Total/NA	Water	7470A	
500-252291-23	MW-23	Total/NA	Water	7470A	
500-252291-24	MW-08	Total/NA	Water	7470A	
500-252291-25	MW-09	Total/NA	Water	7470A	
500-252291-26	MW-12R	Total/NA	Water	7470A	
500-252291-27	MW-11	Total/NA	Water	7470A	
MB 500-775919/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775919/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-252291-19 MS	Duplicate 2	Total/NA	Water	7470A	
500-252291-19 MSD	Duplicate 2	Total/NA	Water	7470A	
500-252291-19 DU	Duplicate 2	Total/NA	Water	7470A	

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QC Association Summary

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

Job ID: 500-252291-1

Metals

Analysis Batch: 776031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	6020B	775846
500-252291-2	MW-18	Total Recoverable	Water	6020B	775846
500-252291-3	MW-19	Total Recoverable	Water	6020B	775846
500-252291-4	MW-20	Total Recoverable	Water	6020B	775846
500-252291-5	MW-21	Total Recoverable	Water	6020B	775846
500-252291-6	MW-21D	Total Recoverable	Water	6020B	775846
500-252291-7	Duplicate 1	Total Recoverable	Water	6020B	775846
500-252291-8	MW-14	Total Recoverable	Water	6020B	775846
500-252291-9	MW-15	Total Recoverable	Water	6020B	775846
500-252291-10	MW-16	Total Recoverable	Water	6020B	775846
500-252291-11	MW-06	Total Recoverable	Water	6020B	775846
500-252291-12	MW-07	Total Recoverable	Water	6020B	775846
500-252291-13	MW-01	Total Recoverable	Water	6020B	775846
500-252291-14	MW-02	Total Recoverable	Water	6020B	775846
500-252291-15	MW-03	Total Recoverable	Water	6020B	775846
500-252291-16	MW-04	Total Recoverable	Water	6020B	775846
500-252291-17	MW-05	Total Recoverable	Water	6020B	775846
500-252291-18	MW-13	Total Recoverable	Water	6020B	775846
500-252291-19	Duplicate 2	Total Recoverable	Water	6020B	775846
500-252291-20	MW-10	Total Recoverable	Water	6020B	775846
500-252291-21	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-22	MW-22	Total Recoverable	Water	6020B	775847
500-252291-23	MW-23	Total Recoverable	Water	6020B	775847
500-252291-24	MW-08	Total Recoverable	Water	6020B	775847
500-252291-25	MW-09	Total Recoverable	Water	6020B	775847
500-252291-26	MW-12R	Total Recoverable	Water	6020B	775847
500-252291-27	MW-11	Total Recoverable	Water	6020B	775847
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	6020B	775846
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	6020B	775847
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775846
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775847
500-252291-1 MS	MW-17	Total Recoverable	Water	6020B	775846
500-252291-1 MSD	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-1 DU	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	6020B	775847

Analysis Batch: 776091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-11	MW-06	Total/NA	Water	7470A	775919
500-252291-12	MW-07	Total/NA	Water	7470A	775919
500-252291-13	MW-01	Total/NA	Water	7470A	775919
500-252291-14	MW-02	Total/NA	Water	7470A	775919
500-252291-15	MW-03	Total/NA	Water	7470A	775919
500-252291-16	MW-04	Total/NA	Water	7470A	775919
500-252291-17	MW-05	Total/NA	Water	7470A	775919
500-252291-18	MW-13	Total/NA	Water	7470A	775919
500-252291-19	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-20	MW-10	Total/NA	Water	7470A	775919
500-252291-21	Duplicate 3	Total/NA	Water	7470A	775919

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QC Association Summary

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

Job ID: 500-252291-1

Metals (Continued)

Analysis Batch: 776091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-22	MW-22	Total/NA	Water	7470A	775919
500-252291-23	MW-23	Total/NA	Water	7470A	775919
500-252291-24	MW-08	Total/NA	Water	7470A	775919
500-252291-25	MW-09	Total/NA	Water	7470A	775919
500-252291-26	MW-12R	Total/NA	Water	7470A	775919
500-252291-27	MW-11	Total/NA	Water	7470A	775919
MB 500-775919/12-A	Method Blank	Total/NA	Water	7470A	775919
LCS 500-775919/13-A	Lab Control Sample	Total/NA	Water	7470A	775919
500-252291-19 MS	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-19 MSD	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-19 DU	Duplicate 2	Total/NA	Water	7470A	775919

Analysis Batch: 776102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	6020B	775846
500-252291-2	MW-18	Total Recoverable	Water	6020B	775846
500-252291-3	MW-19	Total Recoverable	Water	6020B	775846
500-252291-4	MW-20	Total Recoverable	Water	6020B	775846
500-252291-5	MW-21	Total Recoverable	Water	6020B	775846
500-252291-6	MW-21D	Total Recoverable	Water	6020B	775846
500-252291-7	Duplicate 1	Total Recoverable	Water	6020B	775846
500-252291-8	MW-14	Total Recoverable	Water	6020B	775846
500-252291-9	MW-15	Total Recoverable	Water	6020B	775846
500-252291-10	MW-16	Total Recoverable	Water	6020B	775846
500-252291-11	MW-06	Total Recoverable	Water	6020B	775846
500-252291-12	MW-07	Total Recoverable	Water	6020B	775846
500-252291-13	MW-01	Total Recoverable	Water	6020B	775846
500-252291-14	MW-02	Total Recoverable	Water	6020B	775846
500-252291-15	MW-03	Total Recoverable	Water	6020B	775846
500-252291-16	MW-04	Total Recoverable	Water	6020B	775846
500-252291-17	MW-05	Total Recoverable	Water	6020B	775846
500-252291-18	MW-13	Total Recoverable	Water	6020B	775846
500-252291-19	Duplicate 2	Total Recoverable	Water	6020B	775846
500-252291-20	MW-10	Total Recoverable	Water	6020B	775846
500-252291-21	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-22	MW-22	Total Recoverable	Water	6020B	775847
500-252291-23	MW-23	Total Recoverable	Water	6020B	775847
500-252291-24	MW-08	Total Recoverable	Water	6020B	775847
500-252291-25	MW-09	Total Recoverable	Water	6020B	775847
500-252291-26	MW-12R	Total Recoverable	Water	6020B	775847
500-252291-27	MW-11	Total Recoverable	Water	6020B	775847
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	6020B	775846
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	6020B	775847
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775846
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775847
500-252291-1 MS	MW-17	Total Recoverable	Water	6020B	775846
500-252291-1 MSD	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-1 DU	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	6020B	775847

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry

Analysis Batch: 773324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-252291-2	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-252291-3	MW-19	Total/NA	Water	SM 4500 Cl- E	
500-252291-4	MW-20	Total/NA	Water	SM 4500 Cl- E	
500-252291-5	MW-21	Total/NA	Water	SM 4500 Cl- E	
500-252291-6	MW-21D	Total/NA	Water	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: 773351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 2540C	
500-252291-2	MW-18	Total/NA	Water	SM 2540C	
500-252291-3	MW-19	Total/NA	Water	SM 2540C	
500-252291-4	MW-20	Total/NA	Water	SM 2540C	
500-252291-5	MW-21	Total/NA	Water	SM 2540C	
500-252291-6	MW-21D	Total/NA	Water	SM 2540C	
500-252291-7	Duplicate 1	Total/NA	Water	SM 2540C	
500-252291-8	MW-14	Total/NA	Water	SM 2540C	
500-252291-9	MW-15	Total/NA	Water	SM 2540C	
500-252291-10	MW-16	Total/NA	Water	SM 2540C	
500-252291-11	MW-06	Total/NA	Water	SM 2540C	
500-252291-12	MW-07	Total/NA	Water	SM 2540C	
MB 500-773351/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773351/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252291-1 MS	MW-17	Total/NA	Water	SM 2540C	
500-252291-1 DU	MW-17	Total/NA	Water	SM 2540C	
500-252291-2 DU	MW-18	Total/NA	Water	SM 2540C	

Analysis Batch: 773523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-8	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-252291-9	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-252291-10	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-252291-11	MW-06	Total/NA	Water	SM 4500 Cl- E	
500-252291-12	MW-07	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
500-252291-13	MW-01	Total/NA	Water	SM 2540C	
500-252291-14	MW-02	Total/NA	Water	SM 2540C	
500-252291-15	MW-03	Total/NA	Water	SM 2540C	
500-252291-16	MW-04	Total/NA	Water	SM 2540C	
500-252291-17	MW-05	Total/NA	Water	SM 2540C	
500-252291-18	MW-13	Total/NA	Water	SM 2540C	
500-252291-19	Duplicate 2	Total/NA	Water	SM 2540C	
500-252291-20	MW-10	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	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 773545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-13 MS	MW-01	Total/NA	Water	SM 2540C	
500-252291-13 DU	MW-01	Total/NA	Water	SM 2540C	
500-252291-14 DU	MW-02	Total/NA	Water	SM 2540C	

Analysis Batch: 773814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	SM 2540C	
500-252291-22	MW-22	Total/NA	Water	SM 2540C	
500-252291-23	MW-23	Total/NA	Water	SM 2540C	
500-252291-24	MW-08	Total/NA	Water	SM 2540C	
500-252291-25	MW-09	Total/NA	Water	SM 2540C	
500-252291-26	MW-12R	Total/NA	Water	SM 2540C	
500-252291-27	MW-11	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
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 Cl- E	
500-252291-13	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-252291-14	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-252291-15	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-252291-16	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-252291-17	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-252291-18	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 Cl- E	
500-252291-20	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 Cl- E	
500-252291-22	MW-22	Total/NA	Water	SM 4500 Cl- E	
500-252291-23	MW-23	Total/NA	Water	SM 4500 Cl- E	
500-252291-24	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-252291-25	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 Cl- E	
500-252291-27	MW-11	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	

Analysis Batch: 774273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-252291-2	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-252291-3	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-252291-4	MW-20	Total/NA	Water	SM 4500 SO4 E	
500-252291-5	MW-21	Total/NA	Water	SM 4500 SO4 E	
500-252291-6	MW-21D	Total/NA	Water	SM 4500 SO4 E	
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 SO4 E	
500-252291-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-252291-9	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-252291-10	MW-16	Total/NA	Water	SM 4500 SO4 E	
500-252291-11	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-252291-12	MW-07	Total/NA	Water	SM 4500 SO4 E	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 774273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-13	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-252291-14	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-252291-15	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-252291-16	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-252291-17	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-252291-18	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 SO4 E	
500-252291-20	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 SO4 E	
500-252291-22	MW-22	Total/NA	Water	SM 4500 SO4 E	
500-252291-23	MW-23	Total/NA	Water	SM 4500 SO4 E	
500-252291-24	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-252291-25	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 SO4 E	
500-252291-27	MW-11	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/118	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/64	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/119	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/65	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-252291-3 MS	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-252291-3 MSD	MW-19	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 774793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 F C	
MB 500-774793/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-774793/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252291-1 MS	MW-17	Total/NA	Water	SM 4500 F C	
500-252291-1 MSD	MW-17	Total/NA	Water	SM 4500 F C	

Analysis Batch: 776165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-2	MW-18	Total/NA	Water	SM 4500 F C	
500-252291-3	MW-19	Total/NA	Water	SM 4500 F C	
500-252291-4	MW-20	Total/NA	Water	SM 4500 F C	
500-252291-5	MW-21	Total/NA	Water	SM 4500 F C	
500-252291-6	MW-21D	Total/NA	Water	SM 4500 F C	
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 F C	
500-252291-8	MW-14	Total/NA	Water	SM 4500 F C	
500-252291-9	MW-15	Total/NA	Water	SM 4500 F C	
500-252291-10	MW-16	Total/NA	Water	SM 4500 F C	
500-252291-11	MW-06	Total/NA	Water	SM 4500 F C	
500-252291-12	MW-07	Total/NA	Water	SM 4500 F C	
500-252291-13	MW-01	Total/NA	Water	SM 4500 F C	
500-252291-14	MW-02	Total/NA	Water	SM 4500 F C	
500-252291-15	MW-03	Total/NA	Water	SM 4500 F C	
500-252291-16	MW-04	Total/NA	Water	SM 4500 F C	
500-252291-17	MW-05	Total/NA	Water	SM 4500 F C	
500-252291-18	MW-13	Total/NA	Water	SM 4500 F C	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 F C	
500-252291-20	MW-10	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 776165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 F C	
500-252291-22	MW-22	Total/NA	Water	SM 4500 F C	
500-252291-23	MW-23	Total/NA	Water	SM 4500 F C	
500-252291-24	MW-08	Total/NA	Water	SM 4500 F C	
500-252291-25	MW-09	Total/NA	Water	SM 4500 F C	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 F C	
500-252291-27	MW-11	Total/NA	Water	SM 4500 F C	
MB 500-776165/3	Method Blank	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	
LCS 500-776165/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252291-2 MS	MW-18	Total/NA	Water	SM 4500 F C	
500-252291-2 MSD	MW-18	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

Job ID: 500-252291-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-775846/1-A

Matrix: Water

Analysis Batch: 776031

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 16:27	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Barium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:27	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:27	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 16:27	1

Lab Sample ID: MB 500-775846/1-A

Matrix: Water

Analysis Batch: 776102

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:02	1
Calcium	<0.20		0.20		mg/L		07/09/24 08:31	07/10/24 12:02	1
Lithium	<0.010		0.010		mg/L		07/09/24 08:31	07/10/24 12:02	1

Lab Sample ID: LCS 500-775846/2-A

Matrix: Water

Analysis Batch: 776031

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.509		mg/L		102	80 - 120
Arsenic	0.100	0.0960		mg/L		96	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Beryllium	0.0500	0.0506		mg/L		101	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Chromium	0.200	0.197		mg/L		99	80 - 120
Cobalt	0.500	0.502		mg/L		100	80 - 120
Lead	0.100	0.0994		mg/L		99	80 - 120
Molybdenum	1.00	0.915		mg/L		92	80 - 120
Selenium	0.100	0.0982		mg/L		98	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-775846/2-A

Matrix: Water

Analysis Batch: 776102

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.17		mg/L		117	80 - 120
Calcium	10.0	8.32		mg/L		83	80 - 120
Lithium	0.100	0.109		mg/L		109	80 - 120

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QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-1 MS

Matrix: Water

Analysis Batch: 776031

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

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	0.0027		0.100	0.0995		mg/L		97	75 - 125
Barium	0.026		0.500	0.519		mg/L		99	75 - 125
Beryllium	<0.0010		0.0500	0.0465		mg/L		93	75 - 125
Cadmium	<0.00050		0.0500	0.0489		mg/L		97	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.486		mg/L		97	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		102	75 - 125
Molybdenum	0.062		1.00	1.02		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.0960		mg/L		96	75 - 125
Thallium	0.0022		0.100	0.103		mg/L		101	75 - 125

Lab Sample ID: 500-252291-1 MS

Matrix: Water

Analysis Batch: 776102

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.1		1.00	2.26		mg/L		115	75 - 125
Calcium	160		10.0	163	4	mg/L		65	75 - 125
Lithium	0.013		0.100	0.114		mg/L		101	75 - 125

Lab Sample ID: 500-252291-1 MSD

Matrix: Water

Analysis Batch: 776031

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

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	1	20
Arsenic	0.0027		0.100	0.0984		mg/L		96	75 - 125	1	20
Barium	0.026		0.500	0.526		mg/L		100	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0497		mg/L		99	75 - 125	6	20
Cadmium	<0.00050		0.0500	0.0489		mg/L		98	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	0	20
Cobalt	<0.0010		0.500	0.487		mg/L		97	75 - 125	0	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	2	20
Molybdenum	0.062		1.00	1.02		mg/L		96	75 - 125	1	20
Selenium	<0.0025		0.100	0.0956		mg/L		96	75 - 125	0	20
Thallium	0.0022		0.100	0.103		mg/L		101	75 - 125	0	20

Lab Sample ID: 500-252291-1 MSD

Matrix: Water

Analysis Batch: 776102

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.1		1.00	2.33		mg/L		123	75 - 125	3	20
Calcium	160		10.0	166	4	mg/L		88	75 - 125	1	20
Lithium	0.013		0.100	0.116		mg/L		104	75 - 125	2	20

Eurofins Chicago

QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-1 DU

Matrix: Water

Analysis Batch: 776031

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0027		0.00253		mg/L		5	20
Barium	0.026		0.0253		mg/L		4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	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	0.062		0.0591		mg/L		4	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	0.0022		<0.0020		mg/L		NC	20

Lab Sample ID: 500-252291-1 DU

Matrix: Water

Analysis Batch: 776102

Client Sample ID: MW-17

Prep Type: Total Recoverable

Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	1.1		1.09		mg/L		1	20
Calcium	160		153		mg/L		2	20
Lithium	0.013		0.0126		mg/L		0.6	20

Lab Sample ID: MB 500-775847/1-A

Matrix: Water

Analysis Batch: 776031

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 775847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:23	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Barium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:23	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:23	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:23	1

Lab Sample ID: MB 500-775847/1-A

Matrix: Water

Analysis Batch: 776102

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 775847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		07/09/24 08:32	07/10/24 13:09	1
Calcium	<0.20		0.20		mg/L		07/09/24 08:32	07/10/24 13:09	1
Lithium	<0.010		0.010		mg/L		07/09/24 08:32	07/10/24 13:09	1

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QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: LCS 500-775847/2-A
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.505		mg/L		101	80 - 120
Arsenic	0.100	0.0958		mg/L		96	80 - 120
Barium	0.500	0.484		mg/L		97	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Cadmium	0.0500	0.0473		mg/L		95	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.100	0.0979		mg/L		98	80 - 120
Molybdenum	1.00	0.911		mg/L		91	80 - 120
Selenium	0.100	0.0980		mg/L		98	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-775847/2-A
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.18		mg/L		118	80 - 120
Calcium	10.0	8.44		mg/L		84	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: 500-252291-21 MS
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.517		mg/L		103	75 - 125
Arsenic	<0.0010		0.100	0.0954		mg/L		95	75 - 125
Barium	0.033		0.500	0.520		mg/L		97	75 - 125
Beryllium	<0.0010		0.0500	0.0499		mg/L		100	75 - 125
Cadmium	<0.00050		0.0500	0.0475		mg/L		95	75 - 125
Chromium	<0.0050		0.200	0.193		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.493		mg/L		99	75 - 125
Lead	<0.00050		0.100	0.0990		mg/L		99	75 - 125
Lithium	<0.010	^1+	0.100	0.104	^1+	mg/L		104	75 - 125
Molybdenum	0.024		1.00	0.956		mg/L		93	75 - 125
Selenium	<0.0025		0.100	0.0968		mg/L		95	75 - 125
Thallium	<0.0020		0.100	0.0998		mg/L		99	75 - 125

Lab Sample ID: 500-252291-21 MS
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.9		1.00	4.14		mg/L		123	75 - 125
Calcium	69		10.0	79.6	4	mg/L		102	75 - 125

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QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-21 MSD

Matrix: Water

Analysis Batch: 776031

Client Sample ID: Duplicate 3

Prep Type: Total Recoverable

Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.510		mg/L		102	75 - 125	1	20
Arsenic	<0.0010		0.100	0.0947		mg/L		94	75 - 125	1	20
Barium	0.033		0.500	0.515		mg/L		96	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0492		mg/L		98	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0477		mg/L		95	75 - 125	0	20
Chromium	<0.0050		0.200	0.191		mg/L		96	75 - 125	1	20
Cobalt	<0.0010		0.500	0.484		mg/L		97	75 - 125	2	20
Lead	<0.00050		0.100	0.0962		mg/L		96	75 - 125	3	20
Lithium	<0.010	^1+	0.100	0.0997	^1+	mg/L		100	75 - 125	4	20
Molybdenum	0.024		1.00	0.936		mg/L		91	75 - 125	2	20
Selenium	<0.0025		0.100	0.0960		mg/L		94	75 - 125	1	20
Thallium	<0.0020		0.100	0.0990		mg/L		98	75 - 125	1	20

Lab Sample ID: 500-252291-21 MSD

Matrix: Water

Analysis Batch: 776102

Client Sample ID: Duplicate 3

Prep Type: Total Recoverable

Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	2.9		1.00	4.06		mg/L		115	75 - 125	2	20
Calcium	69		10.0	78.5	4	mg/L		91	75 - 125	1	20

Lab Sample ID: 500-252291-21 DU

Matrix: Water

Analysis Batch: 776031

Client Sample ID: Duplicate 3

Prep Type: Total Recoverable

Prep Batch: 775847

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	0.033		0.0338		mg/L		1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010	^1+	<0.010	^1+	mg/L		NC	20
Molybdenum	0.024		0.0249		mg/L		2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-252291-21 DU

Matrix: Water

Analysis Batch: 776102

Client Sample ID: Duplicate 3

Prep Type: Total Recoverable

Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	2.9		2.95		mg/L		2	20
Calcium	69		71.1		mg/L		3	20

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QC Sample Results

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

Job ID: 500-252291-1

Method: 7470A - Mercury (CVAA)

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

Lab Sample ID: 500-252291-4 MS
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000989		mg/L		99	75 - 125

Lab Sample ID: 500-252291-4 MSD
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000958		mg/L		96	75 - 125	3	20

Lab Sample ID: 500-252291-4 DU
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		0.00179		mg/L		NC	20

Lab Sample ID: MB 500-775919/12-A
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 08:57	1

Lab Sample ID: LCS 500-775919/13-A
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 775919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00195		mg/L		97	80 - 120

Lab Sample ID: 500-252291-19 MS
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Duplicate 2
Prep Type: Total/NA
Prep Batch: 775919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00109		mg/L		109	75 - 125

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QC Sample Results

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

Job ID: 500-252291-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-252291-19 MSD

Matrix: Water

Analysis Batch: 776091

Client Sample ID: Duplicate 2

Prep Type: Total/NA

Prep Batch: 775919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00108		mg/L		108	75 - 125	1	20

Lab Sample ID: 500-252291-19 DU

Matrix: Water

Analysis Batch: 776091

Client Sample ID: Duplicate 2

Prep Type: Total/NA

Prep Batch: 775919

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 500-773351/1

Matrix: Water

Analysis Batch: 773351

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			06/19/24 22:34	1

Lab Sample ID: LCS 500-773351/2

Matrix: Water

Analysis Batch: 773351

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: 500-252291-1 MS

Matrix: Water

Analysis Batch: 773351

Client Sample ID: MW-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500		250	1780	4	mg/L		98	75 - 125

Lab Sample ID: 500-252291-1 DU

Matrix: Water

Analysis Batch: 773351

Client Sample ID: MW-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1500		1550		mg/L		0.8	5

Lab Sample ID: 500-252291-2 DU

Matrix: Water

Analysis Batch: 773351

Client Sample ID: MW-18

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1100		mg/L		4	5

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QC Sample Results

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

Job ID: 500-252291-1

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

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: 500-252291-13 MS
Matrix: Water
Analysis Batch: 773545

Client Sample ID: MW-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	550		250	748		mg/L		80	75 - 125

Lab Sample ID: 500-252291-13 DU
Matrix: Water
Analysis Batch: 773545

Client Sample ID: MW-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	550		538		mg/L		2	5

Lab Sample ID: 500-252291-14 DU
Matrix: Water
Analysis Batch: 773545

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	610		592		mg/L		3	5

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

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

QC Sample Results

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

Job ID: 500-252291-1

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

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

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-774793/3

Matrix: Water

Analysis Batch: 774793

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			06/28/24 09:45	1

Eurofins Chicago

QC Sample Results

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

Job ID: 500-252291-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-774793/4

Matrix: Water

Analysis Batch: 774793

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	9.53		mg/L		95	90 - 119

Lab Sample ID: 500-252291-1 MS

Matrix: Water

Analysis Batch: 774793

Client Sample ID: MW-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.70		5.00	6.05		mg/L		107	75 - 125

Lab Sample ID: 500-252291-1 MSD

Matrix: Water

Analysis Batch: 774793

Client Sample ID: MW-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.70		5.00	5.96		mg/L		105	75 - 125	1	20

Lab Sample ID: MB 500-776165/3

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 16:41	1

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: LCS 500-776165/4

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	9.91		mg/L		99	90 - 119

Lab Sample ID: 500-252291-2 MS

Matrix: Water

Analysis Batch: 776165

Client Sample ID: MW-18

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.52		5.00	5.63		mg/L		102	75 - 125

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QC Sample Results

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

Job ID: 500-252291-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-252291-2 MSD
Matrix: Water
Analysis Batch: 776165

Client Sample ID: MW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.52		5.00	5.62		mg/L		102	75 - 125	0	20

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 500-774273/64
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 13:12	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 500-774273/65
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	21.2		mg/L		106	88 - 123

Lab Sample ID: 500-252291-3 MS
Matrix: Water
Analysis Batch: 774273

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	130	F1	20.0	143	4	mg/L		75	75 - 125

Lab Sample ID: 500-252291-3 MSD
Matrix: Water
Analysis Batch: 774273

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	130	F1	20.0	143	4	mg/L		77	75 - 125	0	20

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2417 Bond Street

University Park, IL 60484

Phone 708-634-5200 Fax: 708-634-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-123641-49857 2				
Client Contact: Kaelyn Sperle		Phone: <u>262-278-1621</u>		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: <u>IL</u>		Page <u>2 of 2</u> 1 of 1				
Company: KPRG and Associates, Inc.		PWSID:		Analysis Requested								
Address: 14865 West Lisbon Road, Suite 1A		Due Date Requested: <u>Standard</u>		 500-252291 COC								
City: Brookfield		TAT Requested (days): <u>Standard</u>										
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No										
Phone: 262-781-0475(Tel)		PO #: 4502160845										
Email: kaelyns@kprginc.com		WO #:										
Project Name: Powerton CCR Event Desc: Quarterly Powerton CCR Sampling		Project #: 50011812		Total Number of Containers: 7								
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)	Performs MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_F_Sulfate	Other:
												Special Instructions/Note:
MW-12					Water							
MW-13					Water							
MW-14					Water							
MW-15					Water							
MW-16					Water							
MW-17		6/17/24	1446	G	Water	N	N					
MW-18		6/17/24	1539		Water	N	N					
MW-19		6/17/24	1620		Water	N	N					
MW-20		6/17/24	1337		Water	N	N					
MW-21		6/17/24	1136		Water	N	N					
MW-21D		6/17/24	1242		Water	N	N					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements						
Empty Kit Relinquished by			Date		Time		Method of Shipment:					
Relinquished by: <u>Kaelyn Sperle</u>			Date/Time: <u>6/17/24/1730</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/17/24/1730</u>		Company: <u>FedEx</u>	
Relinquished by:			Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/18/24 0945</u>		Company: <u>EEIA</u>	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>5.0-4.6, 6.1-5.8</u>								

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Ver: 06/08/2021 7/11/2024

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University Park, IL 60484
Phone 708-634-6200 Fax. 708-634-6211

Chain of Custody Record

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Environmental Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>				
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.com</u>		State of Origin: <u>IL</u>		Page: <u>Page 1 of 1</u>				
Company: <u>KPRG and Associates, Inc.</u>		PWSID		Analysis Requested								
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020A, 7470A 2540C, 4500_F, C, SM4500_CLE SM4500_SO4_E - Sulfate Total Number of Containers								
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>										
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No										
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502160845</u>										
Email: <u>kaelyns@kprginc.com</u>		WO #:										
Project Name: <u>Powertron CCR Event Desc: Quarterly Powertron CCR Sampling</u>		Project #: <u>60011612</u>		Preservation Codes: O - HNO3 N - None Other:								
Site: <u>Illinois</u>		SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)					Special Instructions/Note:		
MW-01		6/19/24	1106	G	Water	N	N	X	X	X	X	
MW-02		6/19/24	0857		Water	N	N					
MW-03		6/19/24	1002		Water	N	N					
MW-04		6/19/24	1220		Water	N	N					
MW-05		6/19/24	1318		Water	N	N					
MW-06 MW-13		6/19/24	1428		Water	N	N					
MW-07 Duplicate 2		6/19/24	-		Water	N	N					
MW-08					Water							
MW-09					Water							
MW-10		6/19/24	1532		Water	N	N	X	X	X	X	
MW-11					Water							
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements						
Empty Kit Relinquished by			Date:		Time		Method of Shipment:					
Relinquished by: <u>Kaelyn Sperle</u>			Date/Time: <u>6/19/24/1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/19/24/1700</u>		Company: <u>FedEx</u>	
Relinquished by:			Date/Time:		Company:		Received by: <u>Shu Li</u>		Date/Time: <u>6/20/24 0945</u>		Company: <u>BBTA</u>	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature (°C) and Other Remarks: <u>5.9-7.55, 5.4-7.50, 3.8-7.34</u>								

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: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>					
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.com</u>		State of Origin: <u>IL</u>		Page: <u>Page 1 of 1</u>					
Company: <u>KPRG and Associates, Inc.</u>		PWSID		Analysis Requested									
Address: <u>14865 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		 500-252291 COC									
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>											
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No											
Phone: <u>262-781-0475 (Tel)</u>		PO #: <u>4502180845</u>											
Email: <u>kaelyns@kprginc.com</u>		WO #:											
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011812</u>		Preservation Codes: D - HNO3 N - None									
Site: <u>Illinois</u>		SSOW#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_E - Sulfate	Total Number of Containers	Special Instructions/Note:
MW-01					Water								
MW-02					Water								
MW-03					Water								
MW-04					Water								
21 MW-05 Duplicate 3		6/20/24	-	G	Water	N	N	X	X	X	X	7	
22 MW-06 MW-22		6/20/24	1233		Water								
23 MW-07 MW-23		6/20/24	1147		Water								
24 MW-08		6/20/24	0829		Water								
25 MW-09		6/20/24	1034		Water								
26 MW-10 MW-12R		6/20/24	1316		Water								
27 MW-11		6/20/24	0925		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: <u>Kaelyn Sperle</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>FedEx</u>			
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/21/24 1000</u>		Company: <u>EEPA</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: <u>5.1+4.7, 0.1+0.2, 7.4+7.1</u>									

ORIGIN ID:PIAA (262) 278
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
REF: DEPT:



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Mstr# 2760 2633 4132

XP JOTA

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TUE - 18 JUN 10:30A
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AHS
60484
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ORIGIN ID:PIAA (262) 278-1621
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UNITED STATES US

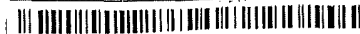
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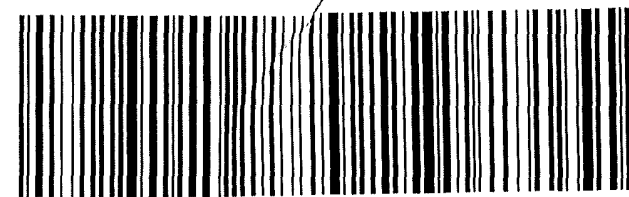


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WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18JUN24
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DEPT:

500-252291 Waybi -



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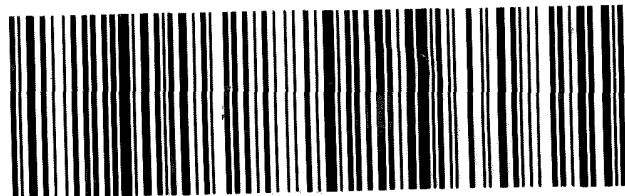


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1 of 4
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ORIGIN ID:PIAA (262) 278-1621

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ACTWGT: 59.90 LB
CAD: 6994780/SSFE2521
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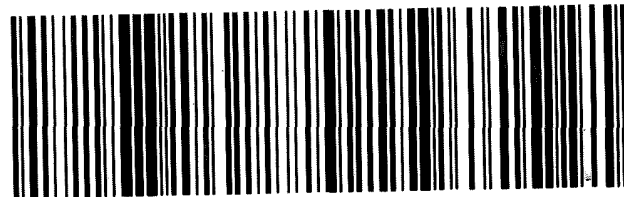
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KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB
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BILL THIRD PARTY

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2417 BOND ST.

UNIVERSITY PARK IL 60484

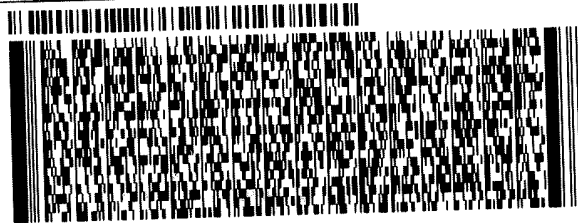
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(555) 555-5555

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5 of 5

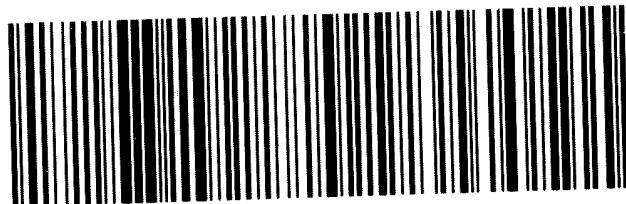
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414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB

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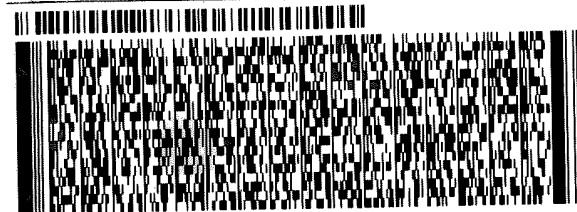
UNIVERSITY PARK IL 60484

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INU:
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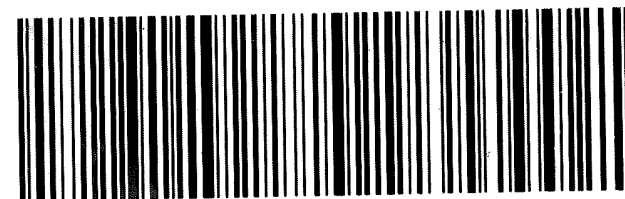
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4895

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414 PLAZA DR STE 106
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UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB
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BILL THIRD PARTY

Part # 156297-009 QNDWZEXP 01/25

TO EUROFINS

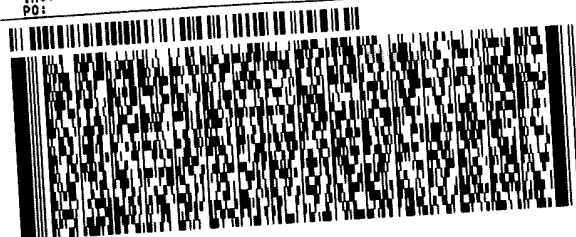
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
PO:

REF:

DEPT:



FedEx
Express



AN100262607111

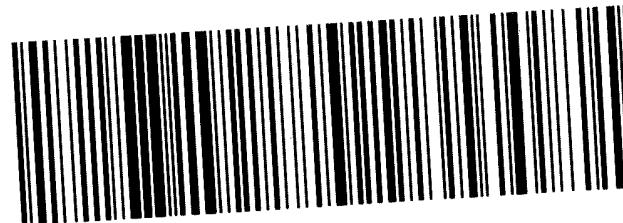
3 of 5
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0263
Mstr# 2761 2064 9583

0201

XP JOTA

THU - 20 JUN 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



Do not lift using this tag.

48 qt

ORIGIN ID:PIAA (000)
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

RT 519

5 10:30 A

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0955
06.21

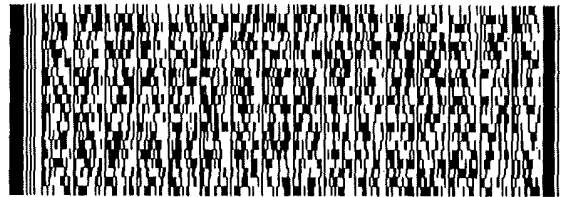
TO SAMPLE RECL
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
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AL1062020202427

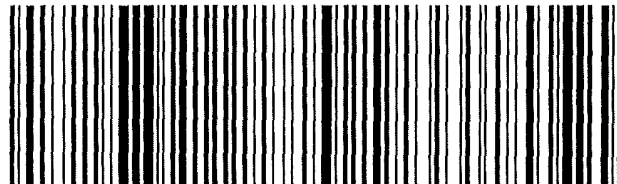
4 of 5
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0263
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FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

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Do not lift using this tag.

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500-252291 Waybi

ORIGIN ID:PIAA (000) 000-0000
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

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TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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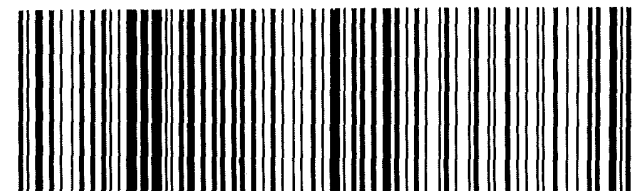
2 of 5
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FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

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XP JOTA

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IL-US ORD



Do not include

489b

ORIGIN ID:PIAA (000) 000-0000

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

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06

Art # 156297-435 PRDW2 EXP 01/25

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

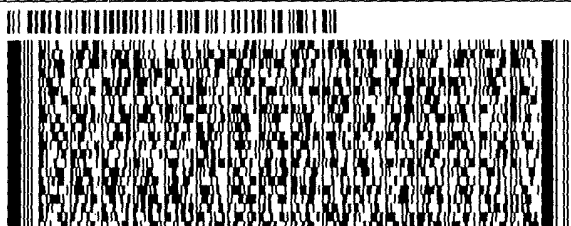
UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO1

REF:

DEPT:

5-14.7



FedEx
Express



AL10926304202424

3 of 5
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0263

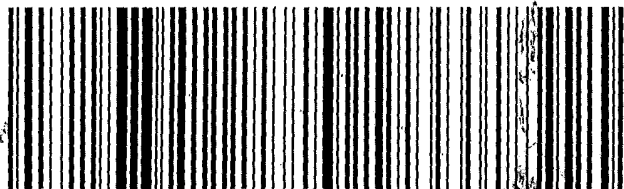
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0201

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



Chain of Custody Record



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:
Project Name:
Powerton CCR
Site
MWG - Powerton

Lab PM:
Mockler, Diana J

E-Mail:
Diana.Mockler@et.eurofins.com

Accreditations Required (See note):
NELAP - Illinois

Due Date Requested:
6/28/2024

TAT Requested (days):

PO #

WO #

Project #
50011612

SSOW#

Carrier Tracking No(s):

State of Origin:
Illinois

Page 1 of 1

Job #
500-252291-2

Preservation Codes:

Analysis Requested

903.0/PrecSep_21 Standard Target List

904.0/PrecSep_20 Standard Target List

Ra226Ra228_GFPc

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

Total Number of Containers

Sample Identification - Client ID (Lab ID)

MW-17 (500-252291-1)

MW-18 (500-252291-2)

MW-19 (500-252291-3)

MW-20 (500-252291-4)

MW-21 (500-252291-5)

MW-21D (500-252291-6)

Sample Date

6/17/24

6/17/24

6/17/24

6/17/24

6/17/24

6/17/24

Sample Time

14:46 Central

15:39 Central

16:20 Central

13:37 Central

11:36 Central

12:42 Central

Sample Type (C=Comp, G=grab)

Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, Asap)

Water

Water

Water

Water

Water

Water

Preservation Code:

Special Instructions/Note:

Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS

Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS

Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS

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Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS

Possible Hazard Identification

Unconfirmed

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

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Lab

Archive For

Months

Special Instructions/QC Requirements:

Method of Shipment:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:
Δ Yes Δ No

Custody Seal No.:

Date:

6/17/24

1110

Received by:

Sena Worthington

Date/Time:

6/17/24

Received by:

Date/Time:

Received by:

Date/Time:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-1

Login Number: 252291

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.6,5.8,5.9,5.0,5.5,5.0,3.4,4.7,0.2,7.1
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: Powerton CCR

Job ID: 500-252291-1

Client Sample ID: MW-17

Date Collected: 06/17/24 14:46

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 16:35
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:06
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 08:26
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:39
Total/NA	Analysis	SM 4500 CI- E		5	773324	TR	EET CHI	06/19/24 13:04
Total/NA	Analysis	SM 4500 F C		1	774793	SO	EET CHI	06/28/24 10:53
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:46

Client Sample ID: MW-18

Date Collected: 06/17/24 15:39

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:00
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:17
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 08:28
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:46
Total/NA	Analysis	SM 4500 CI- E		5	773324	TR	EET CHI	06/19/24 13:05
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 16:51
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 13:33

Client Sample ID: MW-19

Date Collected: 06/17/24 16:20

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:03
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:19
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 08:31
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:52
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:06
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 14:48

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-20

Date Collected: 06/17/24 13:37

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:07
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:25
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 08:33
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:54
Total/NA	Analysis	SM 4500 CI- E		2	773324	TR	EET CHI	06/19/24 13:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:11
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:47

Client Sample ID: MW-21

Date Collected: 06/17/24 11:36

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:11
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:27
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 08:56
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:57
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:23
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:15
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:15

Client Sample ID: MW-21D

Date Collected: 06/17/24 12:42

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:14
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:29
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 08:58
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:59
Total/NA	Analysis	SM 4500 CI- E		2	773324	TR	EET CHI	06/19/24 13:04
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:20
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 14:48

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 1

Date Collected: 06/18/24 00:00

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:18
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:31
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 09:07
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:02
Total/NA	Analysis	SM 4500 CI- E		10	773841	TR	EET CHI	06/23/24 11:53
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:25
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 15:50

Client Sample ID: MW-14

Date Collected: 06/18/24 09:41

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:21
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:33
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 09:09
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:05
Total/NA	Analysis	SM 4500 CI- E		2	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:40
Total/NA	Analysis	SM 4500 SO4 E		100	774273	TR	EET CHI	06/25/24 15:01

Client Sample ID: MW-15

Date Collected: 06/18/24 11:10

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:25
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:36
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 09:11
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:07
Total/NA	Analysis	SM 4500 CI- E		10	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:45
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:48

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-16

Date Collected: 06/18/24 15:13

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:29
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:38
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 09:13
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:10
Total/NA	Analysis	SM 4500 CI- E		1	773523	TR	EET CHI	06/20/24 10:14
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:49
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:15

Client Sample ID: MW-06

Date Collected: 06/18/24 12:44

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:32
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:40
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:02
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:12
Total/NA	Analysis	SM 4500 CI- E		5	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:54
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 13:35

Client Sample ID: MW-07

Date Collected: 06/18/24 13:56

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:43
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:42
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:04
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:15
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 17:58
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:16

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-01

Date Collected: 06/19/24 11:06

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:47
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:44
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:06
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:34
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:53
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:03
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 15:19

Client Sample ID: MW-02

Date Collected: 06/19/24 08:57

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:50
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:50
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:08
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:41
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:08
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:31

Client Sample ID: MW-03

Date Collected: 06/19/24 10:02

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:54
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:52
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:10
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:47
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:13
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:31

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-04

Date Collected: 06/19/24 12:20

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:57
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:54
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:12
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:49
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:17
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:50

Client Sample ID: MW-05

Date Collected: 06/19/24 13:18

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:01
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:56
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:14
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:52
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:21
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:32

Client Sample ID: MW-13

Date Collected: 06/19/24 14:28

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:05
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:58
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:27
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:54
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:36
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:51

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 2

Date Collected: 06/19/24 00:00

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:08
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:01
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:29
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:57
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:40
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 15:17

Client Sample ID: MW-10

Date Collected: 06/19/24 15:32

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:12
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		10	776102	RN	EET CHI	07/10/24 13:03
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:42
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:00
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:45
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:51

Client Sample ID: Duplicate 3

Date Collected: 06/20/24 00:00

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:30
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:13
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:44
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:05
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:49
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:51

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-22

Date Collected: 06/20/24 12:33

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:48
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:24
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:46
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:07
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:56
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:04
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:33

Client Sample ID: MW-23

Date Collected: 06/20/24 11:47

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:52
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:26
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:48
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:10
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:08
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-08

Date Collected: 06/20/24 08:29

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:55
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:28
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:50
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:13
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:56
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:13
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:35

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-09

Date Collected: 06/20/24 10:34

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:06
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:35
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:53
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:15
Total/NA	Analysis	SM 4500 Cl- E		1	773841	TR	EET CHI	06/23/24 11:23
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:17
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-12R

Date Collected: 06/20/24 13:16

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:10
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:37
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:55
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:18
Total/NA	Analysis	SM 4500 Cl- E		5	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:31
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-11

Date Collected: 06/20/24 09:25

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:13
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:39
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:57
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:20
Total/NA	Analysis	SM 4500 Cl- 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 19:35
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:53

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

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-252291-1

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 500-252291-1

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

ANALYTICAL REPORT

PREPARED FOR

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Generated 7/22/2024 3:26:26 PM

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-252291-2

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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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	34
QC Association	35
QC Sample Results	37
Chain of Custody	42
Receipt Checklists	56
Chronicle	61
Certification Summary	68
Tracer Carrier Summary	69



Case Narrative

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

Job ID: 500-252291-2

Job ID: 500-252291-2

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Job Narrative 500-252291-2

Receipt

The samples were received on 06/18/24 09:45. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.2° C, 3.4° C, 4.6° C, 4.7° C, 5.0° C, 5.0° C, 5.5° C, 5.8° C, 5.9° C and 7.1° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: receiving cooler temp 7.1°C, water present in cooler no visible ice. Samples in cooler (#24 MW-08 and #25 MW-09):.

RAD

Method 904.0: Radium 228 Batch 667444: The sample duplicate (DUP) precision for (500-252291-G-1-B DU) was outside the control limits. However the original sample and DUP activity is below the MDC / RL making the measurement of precision less critical. The lab does not believe this discrepancy to have a negative impact on the data being reported.

Method 904.0: Radium 228 Batch 667444: The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: MW-21D (500-252291-6). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 Batch 667709

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: MW-07 (500-252291-12). 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.

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Method Summary

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

Job ID: 500-252291-2

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: Powerton CCR (RAD)

Job ID: 500-252291-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252291-1	MW-17	Water	06/17/24 14:46	06/18/24 09:45
500-252291-2	MW-18	Water	06/17/24 15:39	06/18/24 09:45
500-252291-3	MW-19	Water	06/17/24 16:20	06/18/24 09:45
500-252291-4	MW-20	Water	06/17/24 13:37	06/18/24 09:45
500-252291-5	MW-21	Water	06/17/24 11:36	06/18/24 09:45
500-252291-6	MW-21D	Water	06/17/24 12:42	06/18/24 09:45
500-252291-7	Duplicate 1	Water	06/18/24 00:00	06/19/24 09:50
500-252291-8	MW-14	Water	06/18/24 09:41	06/19/24 09:50
500-252291-9	MW-15	Water	06/18/24 11:10	06/19/24 09:50
500-252291-10	MW-16	Water	06/18/24 15:13	06/19/24 09:50
500-252291-11	MW-06	Water	06/18/24 12:44	06/19/24 09:50
500-252291-12	MW-07	Water	06/18/24 13:56	06/19/24 09:50
500-252291-13	MW-01	Water	06/19/24 11:06	06/20/24 09:45
500-252291-14	MW-02	Water	06/19/24 08:57	06/20/24 09:45
500-252291-15	MW-03	Water	06/19/24 10:02	06/20/24 09:45
500-252291-16	MW-04	Water	06/19/24 12:20	06/20/24 09:45
500-252291-17	MW-05	Water	06/19/24 13:18	06/20/24 09:45
500-252291-18	MW-13	Water	06/19/24 14:28	06/20/24 09:45
500-252291-19	Duplicate 2	Water	06/19/24 00:00	06/20/24 09:45
500-252291-20	MW-10	Water	06/19/24 15:32	06/20/24 09:45
500-252291-21	Duplicate 3	Water	06/20/24 00:00	06/21/24 10:00
500-252291-22	MW-22	Water	06/20/24 12:33	06/21/24 10:00
500-252291-23	MW-23	Water	06/20/24 11:47	06/21/24 10:00
500-252291-24	MW-08	Water	06/20/24 08:29	06/21/24 10:00
500-252291-25	MW-09	Water	06/20/24 10:34	06/21/24 10:00
500-252291-26	MW-12R	Water	06/20/24 13:16	06/21/24 10:00
500-252291-27	MW-11	Water	06/20/24 09:25	06/21/24 10:00

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-17

Lab Sample ID: 500-252291-1

Date Collected: 06/17/24 14:46

Matrix: Water

Date Received: 06/18/24 09:45

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	0.0995	U	0.0846	0.0851	1.00	0.126	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 08:56	07/16/24 10:28	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	0.998		0.404	0.414	1.00	0.508	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	85.2		30 - 110					06/21/24 09:00	07/11/24 12:11	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	1.10		0.413	0.423	5.00	0.508	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-18

Lab Sample ID: 500-252291-2

Date Collected: 06/17/24 15:39

Matrix: Water

Date Received: 06/18/24 09:45

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	0.193		0.108	0.109	1.00	0.138	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					06/21/24 08:56	07/16/24 10:28	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	0.281	U	0.366	0.367	1.00	0.611	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	81.1		30 - 110					06/21/24 09:00	07/11/24 12:11	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	0.475	U	0.382	0.383	5.00	0.611	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-19

Lab Sample ID: 500-252291-3

Date Collected: 06/17/24 16:20

Matrix: Water

Date Received: 06/18/24 09:45

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	0.140	U	0.117	0.117	1.00	0.177	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/21/24 08:56	07/16/24 10:28	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	1.04		0.439	0.450	1.00	0.562	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	86.4		30 - 110					06/21/24 09:00	07/11/24 12:11	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		0.454	0.465	5.00	0.562	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-20

Lab Sample ID: 500-252291-4

Date Collected: 06/17/24 13:37

Matrix: Water

Date Received: 06/18/24 09:45

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	0.215		0.114	0.115	1.00	0.148	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/21/24 08:56	07/16/24 10:21	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	0.0954	U	0.274	0.274	1.00	0.491	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	88.6		30 - 110					06/21/24 09:00	07/11/24 12:11	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	0.310	U	0.297	0.297	5.00	0.491	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-21

Lab Sample ID: 500-252291-5

Date Collected: 06/17/24 11:36

Matrix: Water

Date Received: 06/18/24 09:45

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	0.533		0.196	0.201	1.00	0.209	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					06/21/24 08:56	07/16/24 10:21	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	0.391	U	0.467	0.468	1.00	0.770	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	85.2		30 - 110					06/21/24 09:00	07/11/24 12:11	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	0.924		0.506	0.509	5.00	0.770	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-21D

Lab Sample ID: 500-252291-6

Date Collected: 06/17/24 12:42

Matrix: Water

Date Received: 06/18/24 09:45

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	0.362		0.202	0.205	1.00	0.257	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 08:56	07/16/24 10:21	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	0.916	U G	0.688	0.693	1.00	1.05	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	86.4		30 - 110					06/21/24 09:00	07/11/24 12:11	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	1.28		0.717	0.723	5.00	1.05	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 1

Lab Sample ID: 500-252291-7

Date Collected: 06/18/24 00:00

Matrix: Water

Date Received: 06/19/24 09:50

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	0.201		0.0941	0.0958	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/24/24 09:07	07/18/24 23:49	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	-0.0362	U	0.253	0.253	1.00	0.500	pCi/L	06/24/24 09:18	07/11/24 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/24/24 09:18	07/11/24 12:31	1
Y Carrier	79.3		30 - 110					06/24/24 09:18	07/11/24 12:31	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	0.165	U	0.270	0.271	5.00	0.500	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-14

Lab Sample ID: 500-252291-8

Date Collected: 06/18/24 09:41

Matrix: Water

Date Received: 06/19/24 09:50

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	0.108		0.0695	0.0702	1.00	0.0881	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0491	U	0.283	0.283	1.00	0.553	pCi/L	06/24/24 09:18	07/11/24 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:18	07/11/24 12:31	1
Y Carrier	80.7		30 - 110					06/24/24 09:18	07/11/24 12:31	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	0.0592	U	0.291	0.292	5.00	0.553	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-15

Lab Sample ID: 500-252291-9

Date Collected: 06/18/24 11:10

Matrix: Water

Date Received: 06/19/24 09:50

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	0.102	U	0.0766	0.0771	1.00	0.109	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.208	U	0.322	0.322	1.00	0.687	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.0		30 - 110					06/24/24 09:18	07/11/24 14:31	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	-0.107	U	0.331	0.331	5.00	0.687	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-16

Lab Sample ID: 500-252291-10

Date Collected: 06/18/24 15:13

Matrix: Water

Date Received: 06/19/24 09:50

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	0.0183	U	0.0527	0.0528	1.00	0.0999	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.313	U	0.386	0.387	1.00	0.639	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.4		30 - 110					06/24/24 09:18	07/11/24 14:31	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	0.331	U	0.390	0.391	5.00	0.639	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-06

Lab Sample ID: 500-252291-11

Date Collected: 06/18/24 12:44

Matrix: Water

Date Received: 06/19/24 09:50

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	0.132		0.0781	0.0790	1.00	0.0984	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/24/24 09:07	07/18/24 23:52	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	0.144	U	0.405	0.406	1.00	0.722	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.0		30 - 110					06/24/24 09:18	07/11/24 14:31	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	0.276	U	0.412	0.414	5.00	0.722	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-07

Lab Sample ID: 500-252291-12

Date Collected: 06/18/24 13:56

Matrix: Water

Date Received: 06/19/24 09:50

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	0.541		0.197	0.203	1.00	0.184	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					06/24/24 09:07	07/18/24 23:52	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	0.291	U G	0.729	0.730	1.00	1.29	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	81.9		30 - 110					06/24/24 09:18	07/11/24 14:31	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	0.832	U	0.755	0.758	5.00	1.29	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-01

Lab Sample ID: 500-252291-13

Date Collected: 06/19/24 11:06

Matrix: Water

Date Received: 06/20/24 09:45

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	0.0276	U	0.0473	0.0474	1.00	0.0844	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/24/24 09:07	07/18/24 23:52	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	0.313	U	0.412	0.413	1.00	0.688	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	79.3		30 - 110					06/24/24 09:18	07/11/24 14:31	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	0.340	U	0.415	0.416	5.00	0.688	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-02

Lab Sample ID: 500-252291-14

Date Collected: 06/19/24 08:57

Matrix: Water

Date Received: 06/20/24 09:45

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	0.122	U	0.0896	0.0902	1.00	0.128	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					06/24/24 09:07	07/18/24 23:52	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	-0.160	U	0.394	0.394	1.00	0.794	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	82.6		30 - 110					06/24/24 09:18	07/11/24 14:31	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	-0.0377	U	0.404	0.404	5.00	0.794	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-03

Lab Sample ID: 500-252291-15

Date Collected: 06/19/24 10:02

Matrix: Water

Date Received: 06/20/24 09:45

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	0.000	U	0.0633	0.0633	1.00	0.126	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:07	07/18/24 23:58	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	0.166	U	0.412	0.412	1.00	0.727	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	81.1		30 - 110					06/24/24 09:18	07/11/24 14:31	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	0.166	U	0.417	0.417	5.00	0.727	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-04

Lab Sample ID: 500-252291-16

Date Collected: 06/19/24 12:20

Matrix: Water

Date Received: 06/20/24 09:45

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	0.0590	U	0.0688	0.0690	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					06/24/24 09:07	07/18/24 23:58	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	-0.0941	U	0.368	0.368	1.00	0.725	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	83.7		30 - 110					06/24/24 09:18	07/11/24 14:31	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	-0.0350	U	0.374	0.374	5.00	0.725	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-05

Lab Sample ID: 500-252291-17

Date Collected: 06/19/24 13:18

Matrix: Water

Date Received: 06/20/24 09:45

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	0.108	U	0.0810	0.0815	1.00	0.116	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					06/24/24 09:07	07/18/24 23:58	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	0.437	U	0.488	0.489	1.00	0.797	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	81.1		30 - 110					06/24/24 09:18	07/11/24 14:32	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	0.545	U	0.495	0.496	5.00	0.797	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-13

Lab Sample ID: 500-252291-18

Date Collected: 06/19/24 14:28

Matrix: Water

Date Received: 06/20/24 09:45

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	0.160		0.0971	0.0982	1.00	0.132	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/24/24 09:07	07/18/24 23:58	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	-0.0919	U	0.327	0.328	1.00	0.662	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	82.2		30 - 110					06/24/24 09:18	07/11/24 14:32	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	0.0681	U	0.341	0.342	5.00	0.662	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 2

Lab Sample ID: 500-252291-19

Date Collected: 06/19/24 00:00

Matrix: Water

Date Received: 06/20/24 09:45

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	0.106	U	0.0788	0.0794	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/24/24 09:07	07/18/24 23:58	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	0.471	U	0.406	0.408	1.00	0.631	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	82.2		30 - 110					06/24/24 09:18	07/11/24 14:32	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	0.577	U	0.414	0.416	5.00	0.631	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-10

Lab Sample ID: 500-252291-20

Date Collected: 06/19/24 15:32

Matrix: Water

Date Received: 06/20/24 09:45

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	0.521		0.153	0.160	1.00	0.120	pCi/L	06/24/24 09:07	07/19/24 07:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/24/24 09:07	07/19/24 07:21	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	0.817	U	0.583	0.588	1.00	0.876	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	83.0		30 - 110					06/24/24 09:18	07/11/24 14:32	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	1.34		0.603	0.609	5.00	0.876	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 3

Lab Sample ID: 500-252291-21

Date Collected: 06/20/24 00:00

Matrix: Water

Date Received: 06/21/24 10:00

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	0.0103	U	0.0572	0.0572	1.00	0.113	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/26/24 08:45	07/19/24 09:36	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	0.266	U	0.379	0.380	1.00	0.638	pCi/L	06/26/24 08:49	07/12/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/26/24 08:49	07/12/24 11:42	1
Y Carrier	78.5		30 - 110					06/26/24 08:49	07/12/24 11:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.276	U	0.383	0.384	5.00	0.638	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-22

Lab Sample ID: 500-252291-22

Date Collected: 06/20/24 12:33

Matrix: Water

Date Received: 06/21/24 10:00

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	0.125		0.0806	0.0814	1.00	0.108	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/26/24 08:45	07/19/24 09:36	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	0.593		0.348	0.352	1.00	0.503	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	83.7		30 - 110					06/26/24 08:49	07/12/24 11:36	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	0.718		0.357	0.361	5.00	0.503	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-23

Lab Sample ID: 500-252291-23

Date Collected: 06/20/24 11:47

Matrix: Water

Date Received: 06/21/24 10:00

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	0.521		0.215	0.220	1.00	0.236	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:45	07/19/24 09:36	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	1.55		0.693	0.708	1.00	0.889	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	84.1		30 - 110					06/26/24 08:49	07/12/24 11:36	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	2.07		0.726	0.741	5.00	0.889	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-08

Lab Sample ID: 500-252291-24

Date Collected: 06/20/24 08:29

Matrix: Water

Date Received: 06/21/24 10:00

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	0.249		0.113	0.115	1.00	0.139	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					06/26/24 08:45	07/19/24 09:36	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	0.352	U	0.348	0.349	1.00	0.560	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	84.1		30 - 110					06/26/24 08:49	07/12/24 11:36	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	0.602		0.366	0.367	5.00	0.560	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-09

Lab Sample ID: 500-252291-25

Date Collected: 06/20/24 10:34

Matrix: Water

Date Received: 06/21/24 10:00

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	0.0762	U	0.0841	0.0843	1.00	0.134	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					06/26/24 08:32	07/19/24 07:28	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	-0.283	U	0.329	0.330	1.00	0.697	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	79.6		30 - 110					06/26/24 08:37	07/15/24 12:43	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	-0.207	U	0.340	0.341	5.00	0.697	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-12R

Lab Sample ID: 500-252291-26

Date Collected: 06/20/24 13:16

Matrix: Water

Date Received: 06/21/24 10:00

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	0.142		0.0923	0.0931	1.00	0.115	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:32	07/19/24 07:28	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	0.0382	U	0.332	0.332	1.00	0.609	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	88.6		30 - 110					06/26/24 08:37	07/15/24 12:43	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	0.180	U	0.345	0.345	5.00	0.609	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-11

Lab Sample ID: 500-252291-27

Date Collected: 06/20/24 09:25

Matrix: Water

Date Received: 06/21/24 10:00

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	0.174		0.111	0.113	1.00	0.152	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/26/24 08:32	07/19/24 07:28	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	0.952		0.417	0.426	1.00	0.545	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	81.1		30 - 110					06/26/24 08:37	07/15/24 12:43	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	1.13		0.432	0.441	5.00	0.545	pCi/L		07/22/24 09:18	1

Definitions/Glossary

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

Job ID: 500-252291-2

Qualifiers

Rad

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
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: Powerton CCR (RAD)

Job ID: 500-252291-2

Rad

Prep Batch: 667443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	PrecSep-21	
500-252291-2	MW-18	Total/NA	Water	PrecSep-21	
500-252291-3	MW-19	Total/NA	Water	PrecSep-21	
500-252291-4	MW-20	Total/NA	Water	PrecSep-21	
500-252291-5	MW-21	Total/NA	Water	PrecSep-21	
500-252291-6	MW-21D	Total/NA	Water	PrecSep-21	
MB 160-667443/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667443/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252291-1 DU	MW-17	Total/NA	Water	PrecSep-21	

Prep Batch: 667444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	PrecSep_0	
500-252291-2	MW-18	Total/NA	Water	PrecSep_0	
500-252291-3	MW-19	Total/NA	Water	PrecSep_0	
500-252291-4	MW-20	Total/NA	Water	PrecSep_0	
500-252291-5	MW-21	Total/NA	Water	PrecSep_0	
500-252291-6	MW-21D	Total/NA	Water	PrecSep_0	
MB 160-667444/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667444/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252291-1 DU	MW-17	Total/NA	Water	PrecSep_0	

Prep Batch: 667705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-7	Duplicate 1	Total/NA	Water	PrecSep-21	
500-252291-8	MW-14	Total/NA	Water	PrecSep-21	
500-252291-9	MW-15	Total/NA	Water	PrecSep-21	
500-252291-10	MW-16	Total/NA	Water	PrecSep-21	
500-252291-11	MW-06	Total/NA	Water	PrecSep-21	
500-252291-12	MW-07	Total/NA	Water	PrecSep-21	
500-252291-13	MW-01	Total/NA	Water	PrecSep-21	
500-252291-14	MW-02	Total/NA	Water	PrecSep-21	
500-252291-15	MW-03	Total/NA	Water	PrecSep-21	
500-252291-16	MW-04	Total/NA	Water	PrecSep-21	
500-252291-17	MW-05	Total/NA	Water	PrecSep-21	
500-252291-18	MW-13	Total/NA	Water	PrecSep-21	
500-252291-19	Duplicate 2	Total/NA	Water	PrecSep-21	
500-252291-20	MW-10	Total/NA	Water	PrecSep-21	
MB 160-667705/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667705/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 667709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-7	Duplicate 1	Total/NA	Water	PrecSep_0	
500-252291-8	MW-14	Total/NA	Water	PrecSep_0	
500-252291-9	MW-15	Total/NA	Water	PrecSep_0	
500-252291-10	MW-16	Total/NA	Water	PrecSep_0	
500-252291-11	MW-06	Total/NA	Water	PrecSep_0	
500-252291-12	MW-07	Total/NA	Water	PrecSep_0	
500-252291-13	MW-01	Total/NA	Water	PrecSep_0	
500-252291-14	MW-02	Total/NA	Water	PrecSep_0	

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QC Association Summary

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

Job ID: 500-252291-2

Rad (Continued)

Prep Batch: 667709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-15	MW-03	Total/NA	Water	PrecSep_0	
500-252291-16	MW-04	Total/NA	Water	PrecSep_0	
500-252291-17	MW-05	Total/NA	Water	PrecSep_0	
500-252291-18	MW-13	Total/NA	Water	PrecSep_0	
500-252291-19	Duplicate 2	Total/NA	Water	PrecSep_0	
500-252291-20	MW-10	Total/NA	Water	PrecSep_0	
MB 160-667709/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667709/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 668095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-25	MW-09	Total/NA	Water	PrecSep-21	
500-252291-26	MW-12R	Total/NA	Water	PrecSep-21	
500-252291-27	MW-11	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	

Prep Batch: 668143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-25	MW-09	Total/NA	Water	PrecSep_0	
500-252291-26	MW-12R	Total/NA	Water	PrecSep_0	
500-252291-27	MW-11	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	

Prep Batch: 668146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	PrecSep-21	
500-252291-22	MW-22	Total/NA	Water	PrecSep-21	
500-252291-23	MW-23	Total/NA	Water	PrecSep-21	
500-252291-24	MW-08	Total/NA	Water	PrecSep-21	
MB 160-668146/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668146/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252291-21 DU	Duplicate 3	Total/NA	Water	PrecSep-21	

Prep Batch: 668147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	PrecSep_0	
500-252291-22	MW-22	Total/NA	Water	PrecSep_0	
500-252291-23	MW-23	Total/NA	Water	PrecSep_0	
500-252291-24	MW-08	Total/NA	Water	PrecSep_0	
MB 160-668147/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668147/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252291-21 DU	Duplicate 3	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-667443/1-A

Matrix: Water

Analysis Batch: 670799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 667443

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03136	U	0.0790	0.0791	1.00	0.145	pCi/L	06/21/24 08:56	07/16/24 10:27	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/21/24 08:56	07/16/24 10:27	1

Lab Sample ID: LCS 160-667443/2-A

Matrix: Water

Analysis Batch: 670799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 667443

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.47		1.12	1.00	0.140	pCi/L	92	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	97.0		30 - 110							

Lab Sample ID: 500-252291-1 DU

Matrix: Water

Analysis Batch: 670799

Client Sample ID: MW-17

Prep Type: Total/NA

Prep Batch: 667443

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0995	U	0.06997	U	0.0828	1.00	0.135	pCi/L	0.18	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	88.6		30 - 110							

Lab Sample ID: MB 160-667705/1-A

Matrix: Water

Analysis Batch: 671146

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 667705

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03999	U	0.0591	0.0592	1.00	0.135	pCi/L	06/24/24 09:07	07/18/24 21:20	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					06/24/24 09:07	07/18/24 21:20	1

Lab Sample ID: LCS 160-667705/2-A

Matrix: Water

Analysis Batch: 671146

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 667705

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.97		1.14	1.00	0.113	pCi/L	97	75 - 125

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QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: LCS 160-667705/2-A
Matrix: Water
Analysis Batch: 671146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667705

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.0		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	0.04048	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
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	97.3		30 - 110						

Lab Sample ID: MB 160-668146/1-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668146

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07478	U	0.0656	0.0660	1.00	0.0965	pCi/L	06/26/24 08:45	07/19/24 09:18	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:45	07/19/24 09:18	1

Lab Sample ID: LCS 160-668146/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668146

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.824		1.06	1.00	0.157	pCi/L	87	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	84.1		30 - 110						

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QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: 500-252291-21 DU
Matrix: Water
Analysis Batch: 671465

Client Sample ID: Duplicate 3
Prep Type: Total/NA
Prep Batch: 668146

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0103	U	-0.00413	U	0.0756	1.00	0.151	pCi/L	0.11	1
				2						
Carrier	%Yield	DU Qualifier	DU	Limits						
Ba Carrier	98.0			30 - 110						

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-667444/1-A
Matrix: Water
Analysis Batch: 670163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667444

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4386	U	0.340	0.342	1.00	0.520	pCi/L	06/21/24 09:00	07/11/24 12:10	1
Carrier	%Yield	MB Qualifier	MB	Limits						
Ba Carrier	98.3			30 - 110						
Y Carrier	82.2			30 - 110						
								Prepared	Analyzed	Dil Fac
								06/21/24 09:00	07/11/24 12:10	1
								06/21/24 09:00	07/11/24 12:10	1

Lab Sample ID: LCS 160-667444/2-A
Matrix: Water
Analysis Batch: 670163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667444

				Total									
Analyte			Spike Added	LCS Result	LCS Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.77	8.379		1.20	1.00	0.567	pCi/L	96	75 - 125		
Carrier	LCS %Yield	LCS Qualifier	Limits										
Ba Carrier	97.0		30 - 110										
Y Carrier	84.5		30 - 110										

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 670163

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 667444

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.998		-0.1351	U F	0.260	1.00	0.543	pCi/L	1.68	1
Carrier	%Yield	DU Qualifier	DU	Limits						
Ba Carrier	88.6			30 - 110						
Y Carrier	83.7			30 - 110						

QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: MB 160-667709/1-A
Matrix: Water
Analysis Batch: 670169

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667709

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1328	U	0.283	0.283	1.00	0.498	pCi/L	06/24/24 09:18	07/11/24 12:30	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					06/24/24 09:18	07/11/24 12:30	1
Y Carrier	82.2		30 - 110					06/24/24 09:18	07/11/24 12:30	1

Lab Sample ID: LCS 160-667709/2-A
Matrix: Water
Analysis Batch: 670169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667709

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.77	8.993		1.28	1.00	0.567	pCi/L	103	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	97.0		30 - 110						
Y Carrier	80.7		30 - 110						

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	0.1519	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						

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QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: MB 160-668147/1-A

Matrix: Water

Analysis Batch: 670478

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 668147

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5511		0.330	0.334	1.00	0.472	pCi/L	06/26/24 08:49	07/12/24 11:29	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:49	07/12/24 11:29	1
Y Carrier	81.1		30 - 110					06/26/24 08:49	07/12/24 11:29	1

Lab Sample ID: LCS 160-668147/2-A

Matrix: Water

Analysis Batch: 670478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 668147

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.77	8.486		1.23	1.00	0.525	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	84.1		30 - 110							
Y Carrier	81.1		30 - 110							

Lab Sample ID: 500-252291-21 DU

Matrix: Water

Analysis Batch: 670456

Client Sample ID: Duplicate 3

Prep Type: Total/NA

Prep Batch: 668147

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.266	U	0.8835		0.428	1.00	0.580	pCi/L	0.76	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	98.0		30 - 110							
Y Carrier	77.8		30 - 110							

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-123641-49857 2									
Client Contact: Kaelyn Sperle		Phone: <u>262-278-1621</u>		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: <u>IL</u>		Page <u>2 of 2</u> 1 of 1									
Company: KPRG and Associates, Inc.		PWSID:		Analysis Requested													
Address: 14865 West Lisbon Road, Suite 1A		Due Date Requested: <u>Standard</u>		 500-252291 COC													
City: Brookfield		TAT Requested (days): <u>Standard</u>															
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No															
Phone: 262-781-0475(Tel)		PO #: 4502160845															
Email: kaelyns@kprginc.com		WO #:															
Project Name: Powerton CCR Event Desc: Quarterly Powerton CCR Sampling		Project #: 50011812		Total Number of Containers: 7													
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)	Performs MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_F_Sulfate	Preservation Codes: D - HNO3, N - None	Other:				
MW-12					Water												
MW-13					Water												
MW-14					Water												
MW-15					Water												
MW-16					Water												
MW-17		6/17/24	1446	G	Water	N	N										
MW-18		6/17/24	1539		Water	N	N										
MW-19		6/17/24	1620		Water	N	N										
MW-20		6/17/24	1337		Water	N	N										
MW-21		6/17/24	1136		Water	N	N										
MW-21D		6/17/24	1242		Water	N	N										
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements											
Empty Kit Relinquished by			Date			Time			Method of Shipment:								
Relinquished by: <u>Kaelyn Sperle</u>			Date/Time: <u>6/17/24/1730</u>			Company: <u>KPRG</u>			Received by: <u>FedEx</u>			Date/Time: <u>6/17/24/1730</u>			Company: <u>FedEx</u>		
Relinquished by:			Date/Time:			Company:			Received by: <u>Stephanie Hemondy</u>			Date/Time: <u>6/18/24 0945</u>			Company: <u>EEIA</u>		
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:			Company:		
Custody Seals Intact: ☐ Yes ☐ No			Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <u>5.0-4.6, 6.1-5.8</u>											

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Chain of Custody Record



Environmental Testing

Client Information		Sampler: <u>Jack Mizner</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 2</u>																		
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-622-1143</u>		E-Mail: <u>Diana.Mockler@et.eurofinsus.com</u>		State of Origin: <u>IL</u>		Page: <u>2 of 3</u> 121																		
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested																						
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		<table border="1"><tr><td rowspan="4">Total Number of containers</td><td>903.0, 904.0</td><td>6020A, 7470A</td><td>2540C, 4500_F_C, SM4500_CLE</td><td>SM4500_SO4_E - Sulfate</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>						Total Number of containers	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE	SM4500_SO4_E - Sulfate												
Total Number of containers	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE								SM4500_SO4_E - Sulfate															
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>																								
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No																								
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502160845</u>																								
Email: <u>kaelyns@kprginc.com</u>		WO #: <u>500-252291 COC</u>																								
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>50011612</u>																								
Site: <u>Illinois</u>		SSOW#:																								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform WMSID (Yes or No)	Special Instructions/Note:																		
7 ~~MW-12~~ <u>Duplicate 1</u>		6/18/24	-	G	Water	N	N	X	X																	
~~MW-13~~					Water																					
8 MW-14		6/18/24	0941	G	Water	N	N	X	X																	
9 MW-15		6/18/24	1110	G	Water	N	N	X	X																	
10 MW-16		6/18/24	1513	G	Water	N	N	X	X																	
~~MW-17~~					Water																					
~~MW-18~~					Water																					
~~MW-19~~					Water																					
~~MW-20~~					Water																					
11 MW-21 <u>MW-06</u>		6/18/24	1244	G	Water	N	N	X	X																	
12 MW-22 <u>MW-07</u>		6/18/24	1356	G	Water	N	N	X	X																	
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: <u>Jack Mizner</u>		Date/Time: <u>6/18/24 1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/18/24 1700</u>																		
Relinquished by:		Date/Time:		Company:		Received by: <u>Shw</u>		Date/Time: <u>6/19/24 0958</u>																		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:																		
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and other Remarks: <u>62-55.9, 5.4-5.0</u>																						

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Chain of Custody Record

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Environmental Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>				
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.com</u>		State of Origin: <u>IL</u>		Page: <u>Page 1 of 1</u>				
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested								
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020A, 7470A 2540C, 4500_F, C, SM4500_CLE SM4500_SO4_E - Sulfate Total Number of Containers								
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>										
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No										
Phone: <u>262-781-0475 (Tel)</u>		PO #: <u>4502160845</u>										
Email: <u>kaelyns@kprginc.com</u>		WO #:										
Project Name: <u>Powertron CCR Event Desc: Quarterly Powertron CCR Sampling</u>		Project #: <u>60011612</u>		Preservation Codes: O - HNO3 N - None Other:								
Site: <u>Illinois</u>		SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)					Special Instructions/Note:		
MW-01		6/19/24	1106	G	Water	N	N	X	X	X	X	
MW-02		6/19/24	0857		Water	N	N					
MW-03		6/19/24	1002		Water	N	N					
MW-04		6/19/24	1220		Water	N	N					
MW-05		6/19/24	1318		Water	N	N					
MW-06 MW-13		6/19/24	1428		Water	N	N					
MW-07 Duplicate 2		6/19/24	-		Water	N	N					
MW-08					Water							
MW-09					Water							
MW-10		6/19/24	1532		Water	N	N	X	X	X	X	
MW-11					Water							
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements						
Empty Kit Relinquished by			Date:		Time		Method of Shipment:					
Relinquished by: <u>Kaelyn Sperle</u>			Date/Time: <u>6/19/24/1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/19/24/1700</u>		Company: <u>FedEx</u>	
Relinquished by:			Date/Time:		Company:		Received by: <u>Shu Smith</u>		Date/Time: <u>6/20/24 0945</u>		Company: <u>KPRG</u>	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature (°C) and Other Remarks: <u>5.9-7.55, 5.4-7.50, 3.8-7.34</u>								

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University Park, IL 60484

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>					
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.com</u>		State of Origin: <u>IL</u>		Page: <u>Page 1 of 1</u>					
Company: <u>KPRG and Associates, Inc.</u>		PWSID		Analysis Requested									
Address: <u>14865 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		 500-252291 COC									
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>											
State, Zip: <u>WI, 53005</u>		Compliance Project: ☐ Yes ☐ No											
Phone: <u>262-781-0475 (Tel)</u>		PO #: <u>4502180845</u>											
Email: <u>kaelyns@kprginc.com</u>		WO #:											
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011812</u>		Other:									
Site: <u>Illinois</u>		SSOW#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_E - Sulfate	Total Number of Containers	Special Instructions/Note:
~~MW-01~~					Water								
~~MW-02~~					Water								
~~MW-03~~					Water								
~~MW-04~~					Water								
21 MW-05 Duplicate 3		6/20/24	-	G	Water	N	N	X	X	X	X	7	
22 MW-06 MW-22		6/20/24	1233		Water								
23 MW-07 MW-23		6/20/24	1147		Water								
24 MW-08		6/20/24	0829		Water								
25 MW-09		6/20/24	1034		Water								
26 MW-10 MW-12R		6/20/24	1316		Water								
27 MW-11		6/20/24	0925		Water								
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date		Time		Method of Shipment:							
Relinquished by: <u>Kaelyn Sperle</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>FedEx</u>			
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/21/24 1000</u>		Company: <u>EEPA</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: <u>5.1+4.7, 0.1+0.2, 7.4+7.1</u>									

ORIGIN ID:PIAA (262) 278
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
REF: DEPT:



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Express



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MPS# 2 of 2
0263 2760 2633 4143
Mstr# 2760 2633 4132

XP JOTA

0201

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



ORIGIN ID:PIAA (262) 278-1621
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

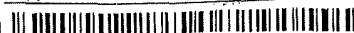
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TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

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REF: DEPT:



FedEx
Express

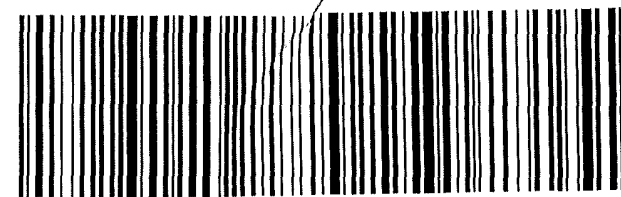


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1 of 2
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XP JOTA

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



ORIGIN ID:PIAA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18JUN24
ACTWGT: 59.90 LB
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DIMS: 24x13x14 IN

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INVT
PO:

REF:

DEPT:

500-252291 Waybi -



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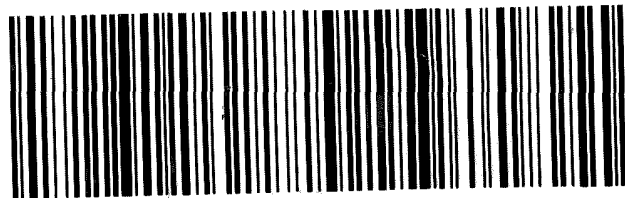


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1 of 4
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WED - 19 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



ORIGIN ID:PIAA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18JUN24
ACTWGT: 59.90 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x14 IN

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INVT
PO:

REF:

DEPT:



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ST 22

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10:30

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06.19



AN 1092620202427

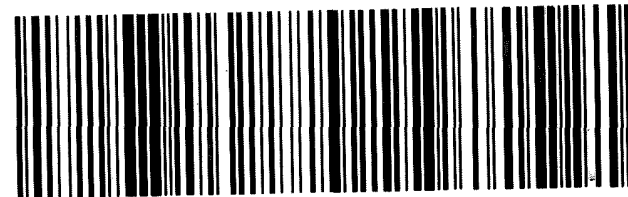
2 of 4
MPS#
0263 2760 7640 287
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ST 22

0201

XP JOTA

OVERNIGHT
AHS
60484
IL-US ORD



Part # 1562975-3880 08/01/2024 EXP 01/25

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ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

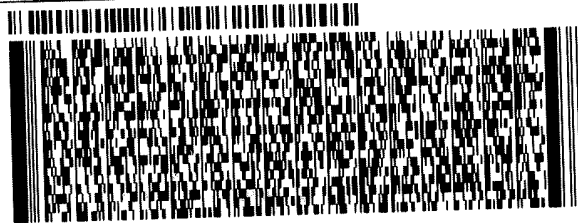
500-252291 Waybi

(555) 555-5555

REF:

INU:
PO:

DEPT:



FedEx
Express



5 of 5

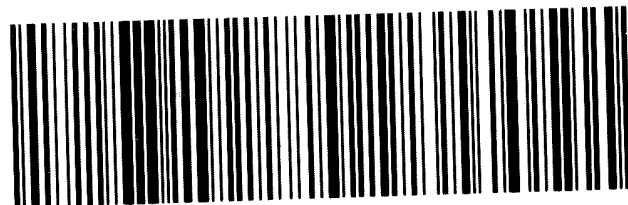
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0201

XP JOTA

60484
IL-US ORD



RT 519

ST 21

5 10:30

A

9620
06.20

4800

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB

RT 519

ST 21

5 10:30

A

9583
06.20

TO EUROFINS

2417 BOND ST.

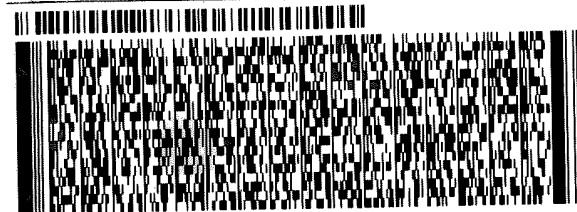
UNIVERSITY PARK IL 60484

(555) 555-5555

REF:

INU:
PO:

DEPT:



FedEx
Express



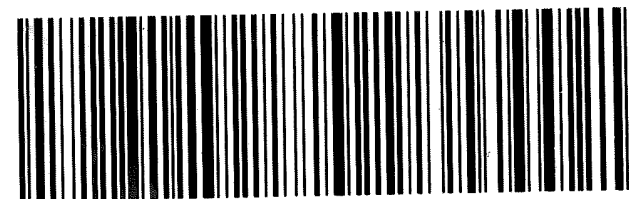
1 of 5

TRK# 2761 2064 9583

0201
MASTER

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60484
IL-US ORD



4800

Do not lift using this tag.

48 qt

ORIGIN ID:PIAA (000)
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

RT 519

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06.21

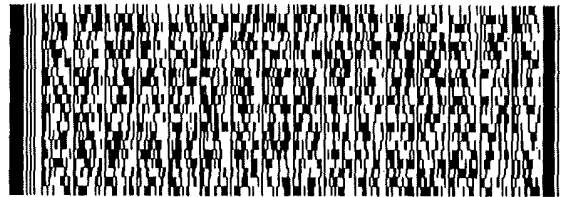
TO SAMPLE RECL
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO:

REF:

DEPT:



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AL1032602024262

4 of 5

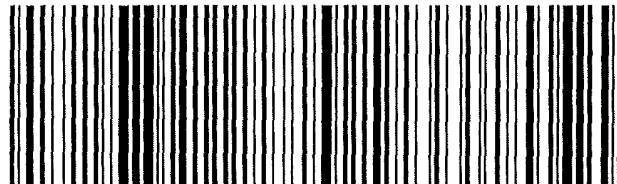
MPS# 2761 6140 0955
0263

Mstr# 2761 6140 0922

0201

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IL-US ORD



Do not lift using this tag.

48 qt



500-252291 Waybi

ORIGIN ID:PIAA (000) 000-0000
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

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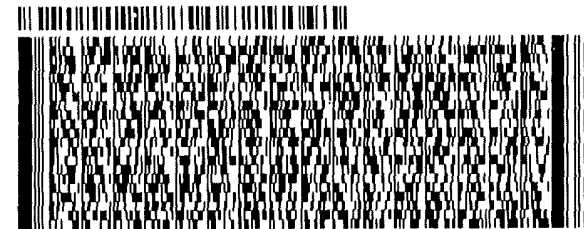
TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO:

REF:

DEPT:



FedEx
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AL1032602024262

2 of 5

MPS# 2761 6140 0933
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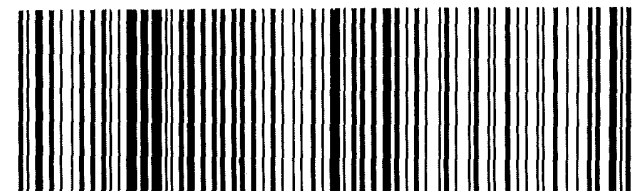
Mstr# 2761 6140 0922

0201

XP JOTA

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



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489b

ORIGIN ID:PIAA (000) 000-0000

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

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BILL

RT 519
ST 25

5 10:30 0944
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Art # 156297-435 PRDW2 EXP 01/25

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

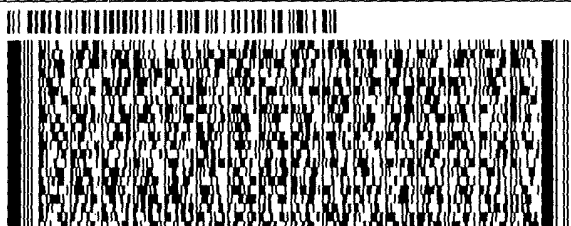
UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO1

REF:

DEPT:

5-14.7



FedEx
Express



AL109263042020242

3 of 5
MPS# 2761 6140 0944
0263

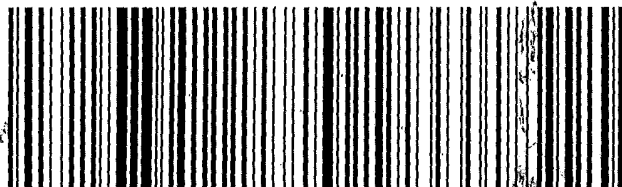
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0201

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



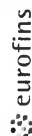
[illegible]

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) 500-189737.1												
Client Contact Shipping/Receiving				E-Mail Diana Mockler@et-eurofinsus.com		State of Origin Illinois												
Company TestAmerica Laboratories, Inc.				Accreditations Required (See note) NELAP - Illinois		Job # 500-252291-2												
Address 13715 Rider Trail North,				Due Date Requested: 7/10/2024		Preservation Codes:												
City Earth City				TAT Requested (days):														
State, Zip MO, 63045				PO #														
Phone 314-298-8566(Tel) 314-298-8757(Fax)				WO #														
Email				Project # 50011612														
Site MWG - Powerton				SSOW#														
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastebiol, BT=Tissue, AA=ur)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep, ? Standard Target List	904.0/PreSep, 0 Standard Target List	Ra226Ra228_GFPc	Analysis Requested							Total Number of containers	Special Instructions/Note:
MW-01 (500-252291-13)	6/19/24	11:06 Central		Water	X	X	X	X	X									Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-02 (500-252291-14)	6/19/24	08:57 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-03 (500-252291-15)	6/19/24	10:02 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-04 (500-252291-16)	6/19/24	12:20 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-05 (500-252291-17)	6/19/24	13:18 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-13 (500-252291-18)	6/19/24	14:28 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Duplicate 2 (500-252291-19)	6/19/24	Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-10 (500-252291-20)	6/19/24	15:32 Central		Water	X	X	X	X	X								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
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: _____ Date: _____ Method of Shipment: _____ Relinquished by: _____ Received by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Relinquished by: _____ Date/Time: _____ Company: _____																		
Custody Seals Intact Δ Yes Δ No _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____																		



Chain of Custody Record

Client Information (Sub Contract Lab)						Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-189784_1	
Shipping/Receiving Company TestAmerica Laboratories, Inc.						E-Mail Diana.Mockler@et.eurofinsus.com		Page 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						State of Origin: Illinois		Job # 500-252291-2	
Project Name: Powerton CCR (RAD) Site MWG - Powerton						Accreditations Required (See note) NELAP - Illinois		Preservation Codes:	
Due Date Requested: 7/10/2024 TAT Requested (days):						Analysis Requested			
PO #									
WO #									
Project # 50011612 SSOW#									
Sample Identification - Client ID (Lab ID)						Special Instructions/Note:			
Duplicate 3 (500-252291-21)	6/20/24	Central	Water	X	X	903.0/PrecSep_21 Standard Target List	RZ26Ra228_GFPc	Total Number of containers	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-22 (500-252291-22)	6/20/24	12:33 Central	Water	X	X	903.0/PrecSep_21 Standard Target List		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-23 (500-252291-23)	6/20/24	11:47 Central	Water	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-08 (500-252291-24)	6/20/24	08:29 Central	Water	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-09 (500-252291-25)	6/20/24	10:34 Central	Water	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-12R (500-252291-26)	6/20/24	13:16 Central	Water	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-11 (500-252291-27)	6/20/24	09:25 Central	Water	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
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									
Relinquished by									
Relinquished by									
Relinquished by									
Custody Seals Intact: Δ Yes Δ No									
Custody Seal No.: JUN 24 20240900									
Cooler Temperature(s) °C and Other Remarks:									

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-2

Login Number: 252291

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.6,5.8,5.9,5.0,5.5,5.0,3.4,4.7,0.2,7.1
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: 500-252291-2

Login Number: 252291

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/19/24 12:04 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: 500-252291-2

Login Number: 252291

List Number: 3

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: 500-252291-2

Login Number: 252291

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/21/24 01:18 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: 500-252291-2

Login Number: 252291

List Number: 5

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	

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-17

Date Collected: 06/17/24 14:46

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-18

Date Collected: 06/17/24 15:39

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-19

Date Collected: 06/17/24 16:20

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-20

Date Collected: 06/17/24 13:37

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-21

Date Collected: 06/17/24 11:36

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-21D

Date Collected: 06/17/24 12:42

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: Duplicate 1

Date Collected: 06/18/24 00:00

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:49
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 12:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-14

Date Collected: 06/18/24 09:41

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 12:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-15

Date Collected: 06/18/24 11:10

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-16

Date Collected: 06/18/24 15:13

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-06

Date Collected: 06/18/24 12:44

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-07

Date Collected: 06/18/24 13:56

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-01

Date Collected: 06/19/24 11:06

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-02

Date Collected: 06/19/24 08:57

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-03

Date Collected: 06/19/24 10:02

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-04

Date Collected: 06/19/24 12:20

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-05

Date Collected: 06/19/24 13:18

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-13

Date Collected: 06/19/24 14:28

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: Duplicate 2

Date Collected: 06/19/24 00:00

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-10

Date Collected: 06/19/24 15:32

Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671346	SCB	EET SL	07/19/24 07:21
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 3

Date Collected: 06/20/24 00:00

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670477	SCB	EET SL	07/12/24 11:42
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-22

Date Collected: 06/20/24 12:33

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-23

Date Collected: 06/20/24 11:47

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-08

Date Collected: 06/20/24 08:29

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-09

Date Collected: 06/20/24 10:34

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-25

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	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-12R

Date Collected: 06/20/24 13:16

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-26

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	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-11

Date Collected: 06/20/24 09:25

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-27

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	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:18

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: Powerton CCR (RAD)

Job ID: 500-252291-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-24

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

Tracer/Carrier Summary

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
500-252291-1	MW-17	93.8					
500-252291-1 DU	MW-17	88.6					
500-252291-2	MW-18	92.1					
500-252291-3	MW-19	85.1					
500-252291-4	MW-20	94.3					
500-252291-5	MW-21	80.9					
500-252291-6	MW-21D	93.8					
500-252291-7	Duplicate 1	98.3					
500-252291-8	MW-14	95.0					
500-252291-9	MW-15	93.8					
500-252291-10	MW-16	97.5					
500-252291-11	MW-06	95.5					
500-252291-12	MW-07	96.5					
500-252291-13	MW-01	92.6					
500-252291-14	MW-02	84.6					
500-252291-15	MW-03	95.0					
500-252291-16	MW-04	89.1					
500-252291-17	MW-05	88.8					
500-252291-18	MW-13	91.6					
500-252291-19	Duplicate 2	94.3					
500-252291-20	MW-10	98.5					
500-252291-21	Duplicate 3	91.6					
500-252291-21 DU	Duplicate 3	98.0					
500-252291-22	MW-22	99.3					
500-252291-23	MW-23	94.8					
500-252291-24	MW-08	98.8					
500-252291-25	MW-09	85.6					
500-252291-26	MW-12R	87.1					
500-252291-27	MW-11	94.5					
LCS 160-667443/2-A	Lab Control Sample	97.0					
LCS 160-667705/2-A	Lab Control Sample	97.0					
LCS 160-668095/2-A	Lab Control Sample	97.3					
LCS 160-668146/2-A	Lab Control Sample	84.1					
MB 160-667443/1-A	Method Blank	98.3					
MB 160-667705/1-A	Method Blank	99.0					
MB 160-668095/1-A	Method Blank	99.0					
MB 160-668146/1-A	Method Blank	94.8					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
500-252291-1	MW-17	93.8	85.2				
500-252291-1 DU	MW-17	88.6	83.7				
500-252291-2	MW-18	92.1	81.1				

Eurofins Chicago

Tracer/Carrier Summary

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

Job ID: 500-252291-2

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)
500-252291-3	MW-19	85.1	86.4
500-252291-4	MW-20	94.3	88.6
500-252291-5	MW-21	80.9	85.2
500-252291-6	MW-21D	93.8	86.4
500-252291-7	Duplicate 1	98.3	79.3
500-252291-8	MW-14	95.0	80.7
500-252291-9	MW-15	93.8	80.0
500-252291-10	MW-16	97.5	80.4
500-252291-11	MW-06	95.5	80.0
500-252291-12	MW-07	96.5	81.9
500-252291-13	MW-01	92.6	79.3
500-252291-14	MW-02	84.6	82.6
500-252291-15	MW-03	95.0	81.1
500-252291-16	MW-04	89.1	83.7
500-252291-17	MW-05	88.8	81.1
500-252291-18	MW-13	91.6	82.2
500-252291-19	Duplicate 2	94.3	82.2
500-252291-20	MW-10	98.5	83.0
500-252291-21	Duplicate 3	91.6	78.5
500-252291-21 DU	Duplicate 3	98.0	77.8
500-252291-22	MW-22	99.3	83.7
500-252291-23	MW-23	94.8	84.1
500-252291-24	MW-08	98.8	84.1
500-252291-25	MW-09	85.6	79.6
500-252291-26	MW-12R	87.1	88.6
500-252291-27	MW-11	94.5	81.1
LCS 160-667444/2-A	Lab Control Sample	97.0	84.5
LCS 160-667709/2-A	Lab Control Sample	97.0	80.7
LCS 160-668143/2-A	Lab Control Sample	97.3	83.4
LCS 160-668147/2-A	Lab Control Sample	84.1	81.1
MB 160-667444/1-A	Method Blank	98.3	82.2
MB 160-667709/1-A	Method Blank	99.0	82.2
MB 160-668143/1-A	Method Blank	99.0	81.9
MB 160-668147/1-A	Method Blank	94.8	81.1

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/2/2024 8:37:11 AM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-256375-1

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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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	36
QC Association	37
QC Sample Results	45
Chain of Custody	57
Receipt Checklists	67
Chronicle	68
Certification Summary	79



Case Narrative

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

Job ID: 500-256375-1

Job ID: 500-256375-1

Eurofins Chicago

Job Narrative 500-256375-1

Receipt

The samples were received on 9/10/2024 9:55 AM, 9/11/2024 9:35 AM, 9/12/2024 9:30 AM, 9/13/2024 9:50 AM and 9/14/2024 10:25 AM. 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, 1.2°C, 1.2°C, 2.3°C, 2.4°C, 3.2°C, 5.1°C, 5.9°C and 8.4°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: cooler temp:8.1°C, water present in cooler. Cooler contained all containers for sample #13 MW-10, #15 MW-09, #16 MW-16 and #17 MW08.

Metals

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 500-785902 was above the upper control limit. The affected analyte is: Antimony. Sample results were below the reporting limit, and have been reported as qualified data.

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

General Chemistry

Method SM4500_Cl_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-786127 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Chicago

Method Summary

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

Job ID: 500-256375-1

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
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-256375-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-256375-1	MW-11	Water	09/09/24 14:13	09/10/24 09:55
500-256375-2	MW-14	Water	09/09/24 12:05	09/10/24 09:55
500-256375-3	MW-15	Water	09/09/24 13:07	09/10/24 09:55
500-256375-4	MW-02	Water	09/10/24 13:15	09/11/24 09:35
500-256375-5	MW-03	Water	09/10/24 14:37	09/11/24 09:35
500-256375-6	MW-04	Water	09/10/24 15:44	09/11/24 09:35
500-256375-7	MW-05	Water	09/10/24 11:48	09/11/24 09:35
500-256375-8	MW-06	Water	09/10/24 11:08	09/11/24 09:35
500-256375-9	MW-07	Water	09/10/24 10:13	09/11/24 09:35
500-256375-10	MW-21D	Water	09/10/24 09:02	09/11/24 09:35
500-256375-11	Duplicate	Water	09/10/24 00:00	09/11/24 09:35
500-256375-12	MW-12R	Water	09/11/24 15:14	09/12/24 09:30
500-256375-13	MW-10	Water	09/11/24 13:58	09/12/24 09:30
500-256375-14	MW-01	Water	09/11/24 12:29	09/12/24 09:30
500-256375-15	MW-09	Water	09/11/24 08:38	09/12/24 09:30
500-256375-16	MW-16	Water	09/11/24 10:00	09/12/24 09:30
500-256375-17	MW-08	Water	09/11/24 11:21	09/12/24 09:30
500-256375-18	Duplicate	Water	09/11/24 00:00	09/12/24 09:30
500-256375-19	MW-22	Water	09/12/24 13:31	09/13/24 09:50
500-256375-20	MW-23	Water	09/12/24 14:18	09/13/24 09:50
500-256375-21	MW-18	Water	09/12/24 12:14	09/13/24 09:50
500-256375-22	MW-17	Water	09/12/24 11:23	09/13/24 09:50
500-256375-23	MW-13	Water	09/12/24 10:20	09/13/24 09:50
500-256375-24	MW-20	Water	09/12/24 09:34	09/13/24 09:50
500-256375-25	MW-21	Water	09/12/24 09:05	09/13/24 09:50
500-256375-26	MW-20	Water	09/10/24 09:30	09/13/24 09:50
500-256375-27	MW-21	Water	09/10/24 08:36	09/13/24 09:50
500-256375-28	MW-19	Water	09/13/24 08:44	09/14/24 10:25
500-256375-30	MW-18A	Water	09/12/24 12:33	09/14/24 10:25

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-11

Lab Sample ID: 500-256375-1

Date Collected: 09/09/24 14:13

Matrix: Water

Date Received: 09/10/24 09:55

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		09/11/24 08:59	09/12/24 18:44	1
Arsenic	0.019		0.0010		mg/L		09/11/24 08:59	09/12/24 18:44	1
Barium	0.20		0.0025		mg/L		09/11/24 08:59	09/12/24 18:44	1
Beryllium	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:44	1
Boron	1.8		0.050		mg/L		09/11/24 08:59	09/12/24 18:44	1
Cadmium	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:44	1
Calcium	130		0.20		mg/L		09/11/24 08:59	09/12/24 18:44	1
Chromium	<0.0050		0.0050		mg/L		09/11/24 08:59	09/12/24 18:44	1
Cobalt	0.0016		0.0010		mg/L		09/11/24 08:59	09/12/24 18:44	1
Lead	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:44	1
Lithium	<0.010		0.010		mg/L		09/11/24 08:59	09/12/24 18:44	1
Molybdenum	0.013		0.0050		mg/L		09/11/24 08:59	09/12/24 18:44	1
Selenium	<0.0025		0.0025		mg/L		09/11/24 08:59	09/12/24 18:44	1
Thallium	<0.0020		0.0020		mg/L		09/11/24 08:59	09/12/24 18:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	82		10		mg/L			09/26/24 15:10	10
Total Dissolved Solids (SM 2540C)	700		10		mg/L			09/13/24 00:14	1
Chloride (SM 4500 Cl- E)	56		4.0		mg/L			09/15/24 14:24	2
Fluoride (SM 4500 F C)	0.50		0.10		mg/L			09/18/24 15:38	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-14

Lab Sample ID: 500-256375-2

Date Collected: 09/09/24 12:05

Matrix: Water

Date Received: 09/10/24 09:55

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		09/11/24 08:59	09/12/24 18:46	1
Arsenic	0.0029		0.0010		mg/L		09/11/24 08:59	09/12/24 18:46	1
Barium	0.063		0.0025		mg/L		09/11/24 08:59	09/12/24 18:46	1
Beryllium	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:46	1
Boron	2.3		0.050		mg/L		09/11/24 08:59	09/12/24 18:46	1
Cadmium	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:46	1
Calcium	230		0.20		mg/L		09/11/24 08:59	09/12/24 18:46	1
Chromium	<0.0050		0.0050		mg/L		09/11/24 08:59	09/12/24 18:46	1
Cobalt	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:46	1
Lead	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:46	1
Lithium	0.018		0.010		mg/L		09/11/24 08:59	09/12/24 18:46	1
Molybdenum	0.14		0.0050		mg/L		09/11/24 08:59	09/12/24 18:46	1
Selenium	0.010		0.0025		mg/L		09/11/24 08:59	09/12/24 18:46	1
Thallium	0.0035		0.0020		mg/L		09/11/24 08:59	09/12/24 18:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	1800		100		mg/L			09/26/24 15:55	100
Total Dissolved Solids (SM 2540C)	4100		17		mg/L			09/13/24 00:20	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			09/15/24 14:44	5
Fluoride (SM 4500 F C)	1.4		0.10		mg/L			09/18/24 15:43	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-15

Lab Sample ID: 500-256375-3

Date Collected: 09/09/24 13:07

Matrix: Water

Date Received: 09/10/24 09:55

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		09/11/24 08:59	09/12/24 18:48	1
Arsenic	0.0018		0.0010		mg/L		09/11/24 08:59	09/12/24 18:48	1
Barium	0.053		0.0025		mg/L		09/11/24 08:59	09/12/24 18:48	1
Beryllium	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:48	1
Boron	1.6		0.050		mg/L		09/11/24 08:59	09/12/24 18:48	1
Cadmium	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:48	1
Calcium	240		0.20		mg/L		09/11/24 08:59	09/12/24 18:48	1
Chromium	<0.0050		0.0050		mg/L		09/11/24 08:59	09/12/24 18:48	1
Cobalt	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:48	1
Lead	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:48	1
Lithium	0.020		0.010		mg/L		09/11/24 08:59	09/12/24 18:48	1
Molybdenum	0.061		0.0050		mg/L		09/11/24 08:59	09/12/24 18:48	1
Selenium	0.0066		0.0025		mg/L		09/11/24 08:59	09/12/24 18:48	1
Thallium	<0.0020		0.0020		mg/L		09/11/24 08:59	09/12/24 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		09/27/24 12:05	09/30/24 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	500		20		mg/L			09/26/24 16:11	20
Total Dissolved Solids (SM 2540C)	1700		10		mg/L			09/13/24 00:22	1
Chloride (SM 4500 Cl- E)	290		20		mg/L			09/15/24 14:44	10
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			09/18/24 15:48	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-02

Lab Sample ID: 500-256375-4

Date Collected: 09/10/24 13:15

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 12:10	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:12	1
Barium	0.093		0.0025		mg/L		09/19/24 09:04	09/23/24 17:12	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:10	1
Boron	3.9		0.050		mg/L		09/19/24 09:04	09/23/24 17:12	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:12	1
Calcium	110		0.20		mg/L		09/19/24 09:04	09/23/24 17:12	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:12	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:12	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:12	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:12	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:12	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:12	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	83		5.0		mg/L			09/26/24 16:26	5
Total Dissolved Solids (SM 2540C)	590		10		mg/L			09/13/24 00:25	1
Chloride (SM 4500 Cl- E)	55		4.0		mg/L			09/15/24 14:25	2
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			09/18/24 15:53	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-03

Lab Sample ID: 500-256375-5

Date Collected: 09/10/24 14:37

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 12:44	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:39	1
Barium	0.11		0.0025		mg/L		09/19/24 09:04	09/23/24 17:39	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:44	1
Boron	0.21		0.050		mg/L		09/19/24 09:04	09/23/24 17:39	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:39	1
Calcium	78		0.20		mg/L		09/19/24 09:04	09/23/24 17:39	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:39	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:39	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:39	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:39	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:39	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:39	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	21		5.0		mg/L			09/26/24 16:41	5
Total Dissolved Solids (SM 2540C)	420		10		mg/L			09/13/24 00:27	1
Chloride (SM 4500 Cl- E)	68		4.0		mg/L			09/15/24 14:25	2
Fluoride (SM 4500 F C)	0.19		0.10		mg/L			09/18/24 16:07	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-04

Lab Sample ID: 500-256375-6

Date Collected: 09/10/24 15:44

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 12:46	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:42	1
Barium	0.062		0.0025		mg/L		09/19/24 09:04	09/23/24 17:42	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:46	1
Boron	1.6		0.050		mg/L		09/19/24 09:04	09/23/24 17:42	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:42	1
Calcium	100		0.20		mg/L		09/19/24 09:04	09/23/24 17:42	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:42	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:42	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:42	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:42	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:42	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:42	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	110		5.0		mg/L			09/26/24 16:56	5
Total Dissolved Solids (SM 2540C)	590		10		mg/L			09/13/24 00:30	1
Chloride (SM 4500 Cl- E)	62		4.0		mg/L			09/15/24 14:25	2
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			09/18/24 16:11	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-05

Lab Sample ID: 500-256375-7

Date Collected: 09/10/24 11:48

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 12:55	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:44	1
Barium	0.060		0.0025		mg/L		09/19/24 09:04	09/23/24 17:44	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:55	1
Boron	2.3		0.050		mg/L		09/19/24 09:04	09/23/24 17:44	1
Cadmium	0.00059		0.00050		mg/L		09/19/24 09:04	09/23/24 17:44	1
Calcium	100		0.20		mg/L		09/19/24 09:04	09/23/24 17:44	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:44	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:44	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:44	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:44	1
Molybdenum	0.0065		0.0050		mg/L		09/19/24 09:04	09/23/24 17:44	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:44	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	120		5.0		mg/L			09/26/24 17:42	5
Total Dissolved Solids (SM 2540C)	670		10		mg/L			09/13/24 00:33	1
Chloride (SM 4500 Cl- E)	61		4.0		mg/L			09/15/24 14:25	2
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			09/18/24 16:16	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-06

Lab Sample ID: 500-256375-8

Date Collected: 09/10/24 11:08

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 12:58	1
Arsenic	0.0032		0.0010		mg/L		09/19/24 09:04	09/23/24 17:46	1
Barium	0.075		0.0025		mg/L		09/19/24 09:04	09/23/24 17:46	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:58	1
Boron	0.40		0.050		mg/L		09/19/24 09:04	09/23/24 17:46	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:46	1
Calcium	96		0.20		mg/L		09/19/24 09:04	09/23/24 17:46	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:46	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:46	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:46	1
Lithium	0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:46	1
Molybdenum	0.011		0.0050		mg/L		09/19/24 09:04	09/23/24 17:46	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:46	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	270		10		mg/L			09/26/24 17:57	10
Total Dissolved Solids (SM 2540C)	880		10		mg/L			09/13/24 00:35	1
Chloride (SM 4500 Cl- E)	130		10		mg/L			09/15/24 14:26	5
Fluoride (SM 4500 F C)	0.48		0.10		mg/L			09/18/24 16:21	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-07

Lab Sample ID: 500-256375-9

Date Collected: 09/10/24 10:13

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 13:01	1
Arsenic	0.14		0.0010		mg/L		09/19/24 09:04	09/23/24 17:48	1
Barium	0.49		0.0025		mg/L		09/19/24 09:04	09/23/24 17:48	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:01	1
Boron	0.39		0.050		mg/L		09/19/24 09:04	09/23/24 17:48	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:48	1
Calcium	250		0.20		mg/L		09/19/24 09:04	09/23/24 17:48	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:48	1
Cobalt	0.0074		0.0010		mg/L		09/19/24 09:04	09/23/24 17:48	1
Lead	0.0010		0.00050		mg/L		09/19/24 09:04	09/23/24 17:48	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:48	1
Molybdenum	0.0069		0.0050		mg/L		09/19/24 09:04	09/23/24 17:48	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:48	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	24		5.0		mg/L			09/26/24 18:12	5
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			09/13/24 00:38	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			09/15/24 14:26	5
Fluoride (SM 4500 F C)	0.39		0.10		mg/L			09/18/24 16:25	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-21D

Lab Sample ID: 500-256375-10

Date Collected: 09/10/24 09:02

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 13:03	1
Arsenic	0.0011		0.0010		mg/L		09/19/24 09:04	09/23/24 17:55	1
Barium	0.11		0.0025		mg/L		09/19/24 09:04	09/23/24 17:55	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:03	1
Boron	0.71		0.050		mg/L		09/19/24 09:04	09/25/24 12:30	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:55	1
Calcium	69		0.20		mg/L		09/19/24 09:04	09/23/24 17:55	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:55	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:55	1
Lead	0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:55	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:55	1
Molybdenum	0.041		0.0050		mg/L		09/19/24 09:04	09/23/24 17:55	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:55	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	100		10		mg/L			09/26/24 18:27	10
Total Dissolved Solids (SM 2540C)	630		10		mg/L			09/13/24 00:40	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			09/15/24 14:28	5
Fluoride (SM 4500 F C)	0.58		0.10		mg/L			09/18/24 16:29	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: Duplicate

Lab Sample ID: 500-256375-11

Date Collected: 09/10/24 00:00

Matrix: Water

Date Received: 09/11/24 09:35

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		09/19/24 09:04	09/24/24 13:05	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:58	1
Barium	0.096		0.0025		mg/L		09/19/24 09:04	09/23/24 17:58	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:05	1
Boron	4.3		0.050		mg/L		09/19/24 09:04	09/25/24 12:32	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:58	1
Calcium	120		0.20		mg/L		09/19/24 09:04	09/23/24 17:58	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:58	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:58	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:58	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:58	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:58	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:58	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 07:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	82		10		mg/L			09/26/24 18:42	10
Total Dissolved Solids (SM 2540C)	580		10		mg/L			09/13/24 00:43	1
Chloride (SM 4500 Cl- E)	56		4.0		mg/L			09/15/24 14:28	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			09/18/24 16:34	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-12R

Lab Sample ID: 500-256375-12

Date Collected: 09/11/24 15:14

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:08	1
Arsenic	0.014		0.0010		mg/L		09/19/24 09:04	09/23/24 18:00	1
Barium	0.083		0.0025		mg/L		09/19/24 09:04	09/23/24 18:00	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:08	1
Boron	0.57		0.050		mg/L		09/19/24 09:04	09/25/24 12:34	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:00	1
Calcium	120		0.20		mg/L		09/19/24 09:04	09/23/24 18:00	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:00	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:00	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:00	1
Lithium	0.012		0.010		mg/L		09/19/24 09:04	09/23/24 18:00	1
Molybdenum	0.023		0.0050		mg/L		09/19/24 09:04	09/23/24 18:00	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:00	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 07:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	370		10		mg/L			09/26/24 18:58	10
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			09/13/24 00:45	1
Chloride (SM 4500 Cl- E)	160		10		mg/L			09/15/24 14:28	5
Fluoride (SM 4500 F C)	0.42		0.10		mg/L			09/18/24 16:38	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-10

Lab Sample ID: 500-256375-13

Date Collected: 09/11/24 13:58

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:10	1
Arsenic	0.0011		0.0010		mg/L		09/19/24 09:04	09/23/24 18:02	1
Barium	0.23		0.0025		mg/L		09/19/24 09:04	09/23/24 18:02	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:10	1
Boron	2.9		0.050		mg/L		09/19/24 09:04	09/26/24 14:59	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:02	1
Calcium	110		0.20		mg/L		09/19/24 09:04	09/23/24 18:02	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:02	1
Cobalt	0.0067		0.0010		mg/L		09/19/24 09:04	09/23/24 18:02	1
Lead	0.00084		0.00050		mg/L		09/19/24 09:04	09/23/24 18:02	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:02	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:02	1
Selenium	0.0047		0.0025		mg/L		09/19/24 09:04	09/23/24 18:02	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	72		5.0		mg/L			09/26/24 19:13	5
Total Dissolved Solids (SM 2540C)	590		10		mg/L			09/13/24 00:48	1
Chloride (SM 4500 Cl- E)	53		4.0		mg/L			09/15/24 14:29	2
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			09/23/24 14:52	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-01

Lab Sample ID: 500-256375-14

Date Collected: 09/11/24 12:29

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:12	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:04	1
Barium	0.066		0.0025		mg/L		09/19/24 09:04	09/23/24 18:04	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:12	1
Boron	0.18		0.050		mg/L		09/19/24 09:04	09/26/24 15:01	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:04	1
Calcium	78		0.20		mg/L		09/19/24 09:04	09/23/24 18:04	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:04	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:04	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:04	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:04	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:04	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:04	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	35		10		mg/L			09/26/24 19:28	10
Total Dissolved Solids (SM 2540C)	430		10		mg/L			09/13/24 00:51	1
Chloride (SM 4500 Cl- E)	61	F1	4.0		mg/L			09/15/24 14:29	2
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			09/23/24 15:08	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-09

Lab Sample ID: 500-256375-15

Date Collected: 09/11/24 08:38

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:14	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:07	1
Barium	0.039		0.0025		mg/L		09/19/24 09:04	09/23/24 18:07	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:14	1
Boron	2.6		0.050		mg/L		09/19/24 09:04	09/26/24 15:04	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:07	1
Calcium	82		0.20		mg/L		09/19/24 09:04	09/23/24 18:07	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:07	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:07	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:07	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:07	1
Molybdenum	0.020		0.0050		mg/L		09/19/24 09:04	09/23/24 18:07	1
Selenium	0.0061		0.0025		mg/L		09/19/24 09:04	09/23/24 18:07	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	110		10		mg/L			09/26/24 19:43	10
Total Dissolved Solids (SM 2540C)	550		10		mg/L			09/13/24 00:53	1
Chloride (SM 4500 Cl- E)	26		2.0		mg/L			09/19/24 13:00	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			09/23/24 15:13	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-16

Lab Sample ID: 500-256375-16

Date Collected: 09/11/24 10:00

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:17	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:09	1
Barium	0.039		0.0025		mg/L		09/19/24 09:04	09/23/24 18:09	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:17	1
Boron	0.18		0.050		mg/L		09/19/24 09:04	09/26/24 15:06	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:09	1
Calcium	110		0.20		mg/L		09/19/24 09:04	09/23/24 18:09	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:09	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:09	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:09	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:09	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:09	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:09	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	25		5.0		mg/L			09/26/24 19:58	5
Total Dissolved Solids (SM 2540C)	500		10		mg/L			09/13/24 00:56	1
Chloride (SM 4500 Cl- E)	22		2.0		mg/L			09/19/24 13:00	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			09/23/24 15:17	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-08

Lab Sample ID: 500-256375-17

Date Collected: 09/11/24 11:21

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:23	1
Arsenic	0.0015		0.0010		mg/L		09/19/24 09:04	09/23/24 18:11	1
Barium	0.092		0.0025		mg/L		09/19/24 09:04	09/23/24 18:11	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:23	1
Boron	0.79		0.050		mg/L		09/19/24 09:04	09/26/24 15:08	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:11	1
Calcium	130		0.20		mg/L		09/19/24 09:04	09/23/24 18:11	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:11	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:11	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:11	1
Lithium	0.018		0.010		mg/L		09/19/24 09:04	09/23/24 18:11	1
Molybdenum	0.0078		0.0050		mg/L		09/19/24 09:04	09/23/24 18:11	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:11	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	170		5.0		mg/L			09/26/24 20:44	5
Total Dissolved Solids (SM 2540C)	780		10		mg/L			09/13/24 00:58	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			09/19/24 13:44	5
Fluoride (SM 4500 F C)	0.28		0.10		mg/L			09/23/24 15:33	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: Duplicate

Lab Sample ID: 500-256375-18

Date Collected: 09/11/24 00:00

Matrix: Water

Date Received: 09/12/24 09:30

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		09/19/24 09:04	09/24/24 13:26	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:13	1
Barium	0.067		0.0025		mg/L		09/19/24 09:04	09/23/24 18:13	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:26	1
Boron	0.16		0.050		mg/L		09/19/24 09:04	09/26/24 15:11	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:13	1
Calcium	79		0.20		mg/L		09/19/24 09:04	09/23/24 18:13	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:13	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:13	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:13	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:13	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:13	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:13	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	33		10		mg/L			09/26/24 20:59	10
Total Dissolved Solids (SM 2540C)	480		10		mg/L			09/13/24 01:01	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			09/19/24 13:45	2
Fluoride (SM 4500 F C)	0.16		0.10		mg/L			09/23/24 15:38	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-22

Lab Sample ID: 500-256375-19

Date Collected: 09/12/24 13:31

Matrix: Water

Date Received: 09/13/24 09:50

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		09/19/24 09:04	09/24/24 13:28	1
Arsenic	0.018		0.0010		mg/L		09/19/24 09:04	09/23/24 18:16	1
Barium	0.16		0.0025		mg/L		09/19/24 09:04	09/23/24 18:16	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:28	1
Boron	2.9		0.050		mg/L		09/19/24 09:04	09/26/24 15:18	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:16	1
Calcium	120		0.20		mg/L		09/19/24 09:04	09/23/24 18:16	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:16	1
Cobalt	0.0033		0.0010		mg/L		09/19/24 09:04	09/23/24 18:16	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:16	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:16	1
Molybdenum	0.034		0.0050		mg/L		09/19/24 09:04	09/23/24 18:16	1
Selenium	0.0089		0.0025		mg/L		09/19/24 09:04	09/23/24 18:16	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	120		10		mg/L			09/26/24 21:14	10
Total Dissolved Solids (SM 2540C)	660		10		mg/L			09/15/24 07:25	1
Chloride (SM 4500 Cl- E)	40		2.0		mg/L			09/19/24 13:01	1
Fluoride (SM 4500 F C)	0.36		0.10		mg/L			09/23/24 15:42	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-23

Lab Sample ID: 500-256375-20

Date Collected: 09/12/24 14:18

Matrix: Water

Date Received: 09/13/24 09:50

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		09/19/24 09:04	09/24/24 13:30	1
Arsenic	0.0022		0.0010		mg/L		09/19/24 09:04	09/23/24 18:22	1
Barium	0.17		0.0025		mg/L		09/19/24 09:04	09/23/24 18:22	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:30	1
Boron	2.6		0.050		mg/L		09/19/24 09:04	09/26/24 15:20	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:22	1
Calcium	80		0.20		mg/L		09/19/24 09:04	09/23/24 18:22	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:22	1
Cobalt	0.0050		0.0010		mg/L		09/19/24 09:04	09/23/24 18:22	1
Lead	0.0014		0.00050		mg/L		09/19/24 09:04	09/23/24 18:22	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:22	1
Molybdenum	0.024		0.0050		mg/L		09/19/24 09:04	09/23/24 18:22	1
Selenium	0.0033		0.0025		mg/L		09/19/24 09:04	09/23/24 18:22	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	99		10		mg/L			09/26/24 21:29	10
Total Dissolved Solids (SM 2540C)	500		10		mg/L			09/15/24 07:31	1
Chloride (SM 4500 Cl- E)	31		2.0		mg/L			09/19/24 13:01	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			09/23/24 15:47	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-18

Lab Sample ID: 500-256375-21

Date Collected: 09/12/24 12:14

Matrix: Water

Date Received: 09/13/24 09:50

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		09/19/24 09:04	09/24/24 13:33	1
Arsenic	0.0024		0.0010		mg/L		09/19/24 09:04	09/23/24 18:25	1
Barium	0.18		0.0025		mg/L		09/19/24 09:04	09/23/24 18:25	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:33	1
Boron	0.67		0.050		mg/L		09/19/24 09:04	09/26/24 15:23	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:25	1
Calcium	140		0.20		mg/L		09/19/24 09:04	09/23/24 18:25	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:25	1
Cobalt	0.0015		0.0010		mg/L		09/19/24 09:04	09/23/24 18:25	1
Lead	0.0022		0.00050		mg/L		09/19/24 09:04	09/23/24 18:25	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:25	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:25	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:25	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	74		10		mg/L			09/26/24 22:45	10
Total Dissolved Solids (SM 2540C)	940		10		mg/L			09/15/24 07:33	1
Chloride (SM 4500 Cl- E)	150		10		mg/L			09/19/24 13:45	5
Fluoride (SM 4500 F C)	0.50		0.10		mg/L			09/23/24 15:52	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-17

Lab Sample ID: 500-256375-22

Date Collected: 09/12/24 11:23

Matrix: Water

Date Received: 09/13/24 09:50

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		09/19/24 09:04	09/24/24 13:35	1
Arsenic	0.0028		0.0010		mg/L		09/19/24 09:04	09/23/24 18:27	1
Barium	0.025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:27	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:35	1
Boron	1.0		0.050		mg/L		09/19/24 09:04	09/26/24 15:25	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:27	1
Calcium	150		0.20		mg/L		09/19/24 09:04	09/23/24 18:27	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:27	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:27	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:27	1
Lithium	0.014		0.010		mg/L		09/19/24 09:04	09/23/24 18:27	1
Molybdenum	0.050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:27	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:27	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	560		20		mg/L			09/27/24 00:01	20
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			09/15/24 07:36	1
Chloride (SM 4500 Cl- E)	170		10		mg/L			09/19/24 13:45	5
Fluoride (SM 4500 F C)	0.71		0.10		mg/L			09/23/24 16:05	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-13

Lab Sample ID: 500-256375-23

Date Collected: 09/12/24 10:20

Matrix: Water

Date Received: 09/13/24 09:50

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		09/19/24 09:04	09/24/24 13:37	1
Arsenic	0.021		0.0010		mg/L		09/19/24 09:04	09/23/24 18:29	1
Barium	0.11		0.0025		mg/L		09/19/24 09:04	09/23/24 18:29	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 13:37	1
Boron	2.5		0.050		mg/L		09/19/24 09:04	09/26/24 15:27	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:29	1
Calcium	170		0.20		mg/L		09/19/24 09:04	09/23/24 18:29	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 18:29	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 18:29	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 18:29	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 18:29	1
Molybdenum	0.015		0.0050		mg/L		09/19/24 09:04	09/23/24 18:29	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 18:29	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 18:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	400		10		mg/L			09/27/24 00:17	10
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			09/15/24 07:38	1
Chloride (SM 4500 Cl- E)	130		10		mg/L			09/19/24 13:46	5
Fluoride (SM 4500 F C)	0.45		0.10		mg/L			09/23/24 16:10	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-20
Date Collected: 09/12/24 09:34
Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-24
Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			09/15/24 07:41	1
Chloride (SM 4500 Cl- E)	77		4.0		mg/L			09/19/24 13:46	2
Fluoride (SM 4500 F C)	0.13		0.10		mg/L			09/23/24 16:14	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-21
Date Collected: 09/12/24 09:05
Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-25
Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	840		10		mg/L			09/15/24 07:44	1
Chloride (SM 4500 Cl- E)	32		2.0		mg/L			09/19/24 13:02	1
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			09/23/24 16:19	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-20

Lab Sample ID: 500-256375-26

Date Collected: 09/10/24 09:30

Matrix: Water

Date Received: 09/13/24 09:50

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		09/20/24 09:02	09/20/24 18:42	1
Arsenic	0.0011		0.0010		mg/L		09/20/24 09:02	09/20/24 18:42	1
Barium	0.070		0.0025		mg/L		09/20/24 09:02	09/20/24 18:42	1
Beryllium	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:42	1
Boron	1.8		0.050		mg/L		09/20/24 09:02	09/23/24 12:32	1
Cadmium	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:42	1
Calcium	220		0.20		mg/L		09/20/24 09:02	09/20/24 18:42	1
Chromium	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 18:42	1
Cobalt	0.0011		0.0010		mg/L		09/20/24 09:02	09/20/24 18:42	1
Lead	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:42	1
Lithium	<0.010		0.010		mg/L		09/20/24 09:02	09/20/24 18:42	1
Molybdenum	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 18:42	1
Selenium	<0.0025		0.0025		mg/L		09/20/24 09:02	09/20/24 18:42	1
Thallium	<0.0020		0.0020		mg/L		09/20/24 09:02	09/20/24 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		09/30/24 11:45	10/01/24 07:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	210		20		mg/L			09/27/24 00:32	20

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-21

Lab Sample ID: 500-256375-27

Date Collected: 09/10/24 08:36

Matrix: Water

Date Received: 09/13/24 09:50

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		09/20/24 09:02	09/20/24 18:44	1
Arsenic	0.051		0.0010		mg/L		09/20/24 09:02	09/20/24 18:44	1
Barium	0.42		0.0025		mg/L		09/20/24 09:02	09/20/24 18:44	1
Beryllium	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:44	1
Boron	0.39		0.050		mg/L		09/20/24 09:02	09/23/24 12:35	1
Cadmium	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:44	1
Calcium	190		0.20		mg/L		09/20/24 09:02	09/20/24 18:44	1
Chromium	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 18:44	1
Cobalt	0.015		0.0010		mg/L		09/20/24 09:02	09/20/24 18:44	1
Lead	0.00060		0.00050		mg/L		09/20/24 09:02	09/20/24 18:44	1
Lithium	<0.010		0.010		mg/L		09/20/24 09:02	09/20/24 18:44	1
Molybdenum	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 18:44	1
Selenium	<0.0025		0.0025		mg/L		09/20/24 09:02	09/20/24 18:44	1
Thallium	<0.0020		0.0020		mg/L		09/20/24 09:02	09/20/24 18:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	<1.0		1.0		mg/L			09/27/24 00:47	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-19

Lab Sample ID: 500-256375-28

Date Collected: 09/13/24 08:44

Matrix: Water

Date Received: 09/14/24 10:25

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		09/20/24 09:02	09/20/24 18:46	1
Arsenic	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:46	1
Barium	0.081		0.0025		mg/L		09/20/24 09:02	09/20/24 18:46	1
Beryllium	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:46	1
Boron	2.4		0.050		mg/L		09/20/24 09:02	09/23/24 12:37	1
Cadmium	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:46	1
Calcium	100		0.20		mg/L		09/20/24 09:02	09/20/24 18:46	1
Chromium	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 18:46	1
Cobalt	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:46	1
Lead	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:46	1
Lithium	<0.010		0.010		mg/L		09/20/24 09:02	09/20/24 18:46	1
Molybdenum	0.027		0.0050		mg/L		09/20/24 09:02	09/20/24 18:46	1
Selenium	0.0035		0.0025		mg/L		09/20/24 09:02	09/20/24 18:46	1
Thallium	<0.0020		0.0020		mg/L		09/20/24 09:02	09/20/24 18:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	88		10		mg/L			09/27/24 01:02	10
Total Dissolved Solids (SM 2540C)	600		10		mg/L			09/15/24 07:46	1
Chloride (SM 4500 Cl- E)	39		2.0		mg/L			09/19/24 13:02	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			09/23/24 16:34	1

Client Sample Results

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

Job ID: 500-256375-1

Client Sample ID: MW-18A

Lab Sample ID: 500-256375-30

Date Collected: 09/12/24 12:33

Matrix: Water

Date Received: 09/14/24 10:25

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		09/20/24 09:02	09/20/24 18:49	1
Arsenic	0.0064		0.0010		mg/L		09/20/24 09:02	09/20/24 18:49	1
Barium	0.46		0.0025		mg/L		09/20/24 09:02	09/20/24 18:49	1
Beryllium	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 18:49	1
Boron	0.53		0.050		mg/L		09/20/24 09:02	09/23/24 12:39	1
Cadmium	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 18:49	1
Calcium	220		0.20		mg/L		09/20/24 09:02	09/20/24 18:49	1
Chromium	0.011		0.0050		mg/L		09/20/24 09:02	09/20/24 18:49	1
Cobalt	0.0046		0.0010		mg/L		09/20/24 09:02	09/20/24 18:49	1
Lead	0.0044		0.00050		mg/L		09/20/24 09:02	09/20/24 18:49	1
Lithium	0.015		0.010		mg/L		09/20/24 09:02	09/20/24 18:49	1
Molybdenum	0.010		0.0050		mg/L		09/20/24 09:02	09/20/24 18:49	1
Selenium	<0.0025		0.0025		mg/L		09/20/24 09:02	09/20/24 18:49	1
Thallium	<0.0020		0.0020		mg/L		09/20/24 09:02	09/20/24 18:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 07:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9056A)	270		20		mg/L			09/28/24 11:09	20
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			09/15/24 07:49	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			09/19/24 13:46	5
Fluoride (SM 4500 F C)	0.23		0.10		mg/L			09/23/24 16:39	1

Definitions/Glossary

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

Job ID: 500-256375-1

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Powerton CCR

Job ID: 500-256375-1

Metals

Prep Batch: 785476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total Recoverable	Water	3005A	
500-256375-2	MW-14	Total Recoverable	Water	3005A	
500-256375-3	MW-15	Total Recoverable	Water	3005A	
MB 500-785476/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-785476/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 785902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total Recoverable	Water	6020B	785476
500-256375-2	MW-14	Total Recoverable	Water	6020B	785476
500-256375-3	MW-15	Total Recoverable	Water	6020B	785476
MB 500-785476/1-A	Method Blank	Total Recoverable	Water	6020B	785476
LCS 500-785476/2-A	Lab Control Sample	Total Recoverable	Water	6020B	785476

Prep Batch: 786842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-4	MW-02	Total Recoverable	Water	3005A	
500-256375-5	MW-03	Total Recoverable	Water	3005A	
500-256375-6	MW-04	Total Recoverable	Water	3005A	
500-256375-7	MW-05	Total Recoverable	Water	3005A	
500-256375-8	MW-06	Total Recoverable	Water	3005A	
500-256375-9	MW-07	Total Recoverable	Water	3005A	
500-256375-10	MW-21D	Total Recoverable	Water	3005A	
500-256375-11	Duplicate	Total Recoverable	Water	3005A	
500-256375-12	MW-12R	Total Recoverable	Water	3005A	
500-256375-13	MW-10	Total Recoverable	Water	3005A	
500-256375-14	MW-01	Total Recoverable	Water	3005A	
500-256375-15	MW-09	Total Recoverable	Water	3005A	
500-256375-16	MW-16	Total Recoverable	Water	3005A	
500-256375-17	MW-08	Total Recoverable	Water	3005A	
500-256375-18	Duplicate	Total Recoverable	Water	3005A	
500-256375-19	MW-22	Total Recoverable	Water	3005A	
500-256375-20	MW-23	Total Recoverable	Water	3005A	
500-256375-21	MW-18	Total Recoverable	Water	3005A	
500-256375-22	MW-17	Total Recoverable	Water	3005A	
500-256375-23	MW-13	Total Recoverable	Water	3005A	
MB 500-786842/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-786842/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-256375-4 MS	MW-02	Total Recoverable	Water	3005A	
500-256375-4 MSD	MW-02	Total Recoverable	Water	3005A	
500-256375-4 DU	MW-02	Total Recoverable	Water	3005A	

Prep Batch: 787045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-26	MW-20	Total Recoverable	Water	3005A	
500-256375-27	MW-21	Total Recoverable	Water	3005A	
500-256375-28	MW-19	Total Recoverable	Water	3005A	
500-256375-30	MW-18A	Total Recoverable	Water	3005A	
MB 500-787045/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-787045/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 500-256375-1

Metals

Analysis Batch: 787251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-26	MW-20	Total Recoverable	Water	6020B	787045
500-256375-27	MW-21	Total Recoverable	Water	6020B	787045
500-256375-28	MW-19	Total Recoverable	Water	6020B	787045
500-256375-30	MW-18A	Total Recoverable	Water	6020B	787045
MB 500-787045/1-A	Method Blank	Total Recoverable	Water	6020B	787045
LCS 500-787045/2-A	Lab Control Sample	Total Recoverable	Water	6020B	787045

Analysis Batch: 787347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-26	MW-20	Total Recoverable	Water	6020B	787045
500-256375-27	MW-21	Total Recoverable	Water	6020B	787045
500-256375-28	MW-19	Total Recoverable	Water	6020B	787045
500-256375-30	MW-18A	Total Recoverable	Water	6020B	787045

Analysis Batch: 787453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-4	MW-02	Total Recoverable	Water	6020B	786842
500-256375-5	MW-03	Total Recoverable	Water	6020B	786842
500-256375-6	MW-04	Total Recoverable	Water	6020B	786842
500-256375-7	MW-05	Total Recoverable	Water	6020B	786842
500-256375-8	MW-06	Total Recoverable	Water	6020B	786842
500-256375-9	MW-07	Total Recoverable	Water	6020B	786842
500-256375-10	MW-21D	Total Recoverable	Water	6020B	786842
500-256375-11	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-12	MW-12R	Total Recoverable	Water	6020B	786842
500-256375-13	MW-10	Total Recoverable	Water	6020B	786842
500-256375-14	MW-01	Total Recoverable	Water	6020B	786842
500-256375-15	MW-09	Total Recoverable	Water	6020B	786842
500-256375-16	MW-16	Total Recoverable	Water	6020B	786842
500-256375-17	MW-08	Total Recoverable	Water	6020B	786842
500-256375-18	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-19	MW-22	Total Recoverable	Water	6020B	786842
500-256375-20	MW-23	Total Recoverable	Water	6020B	786842
500-256375-21	MW-18	Total Recoverable	Water	6020B	786842
500-256375-22	MW-17	Total Recoverable	Water	6020B	786842
500-256375-23	MW-13	Total Recoverable	Water	6020B	786842
MB 500-786842/1-A	Method Blank	Total Recoverable	Water	6020B	786842
LCS 500-786842/2-A	Lab Control Sample	Total Recoverable	Water	6020B	786842
500-256375-4 MS	MW-02	Total Recoverable	Water	6020B	786842
500-256375-4 MSD	MW-02	Total Recoverable	Water	6020B	786842
500-256375-4 DU	MW-02	Total Recoverable	Water	6020B	786842

Analysis Batch: 787678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-4	MW-02	Total Recoverable	Water	6020B	786842
500-256375-5	MW-03	Total Recoverable	Water	6020B	786842
500-256375-6	MW-04	Total Recoverable	Water	6020B	786842
500-256375-7	MW-05	Total Recoverable	Water	6020B	786842
500-256375-8	MW-06	Total Recoverable	Water	6020B	786842
500-256375-9	MW-07	Total Recoverable	Water	6020B	786842
500-256375-10	MW-21D	Total Recoverable	Water	6020B	786842

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QC Association Summary

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

Job ID: 500-256375-1

Metals (Continued)

Analysis Batch: 787678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-11	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-12	MW-12R	Total Recoverable	Water	6020B	786842
500-256375-13	MW-10	Total Recoverable	Water	6020B	786842
500-256375-14	MW-01	Total Recoverable	Water	6020B	786842
500-256375-15	MW-09	Total Recoverable	Water	6020B	786842
500-256375-16	MW-16	Total Recoverable	Water	6020B	786842
500-256375-17	MW-08	Total Recoverable	Water	6020B	786842
500-256375-18	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-19	MW-22	Total Recoverable	Water	6020B	786842
500-256375-20	MW-23	Total Recoverable	Water	6020B	786842
500-256375-21	MW-18	Total Recoverable	Water	6020B	786842
500-256375-22	MW-17	Total Recoverable	Water	6020B	786842
500-256375-23	MW-13	Total Recoverable	Water	6020B	786842
MB 500-786842/1-A	Method Blank	Total Recoverable	Water	6020B	786842
LCS 500-786842/2-A	Lab Control Sample	Total Recoverable	Water	6020B	786842
500-256375-4 MS	MW-02	Total Recoverable	Water	6020B	786842
500-256375-4 MSD	MW-02	Total Recoverable	Water	6020B	786842
500-256375-4 DU	MW-02	Total Recoverable	Water	6020B	786842

Analysis Batch: 787840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-10	MW-21D	Total Recoverable	Water	6020B	786842
500-256375-11	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-12	MW-12R	Total Recoverable	Water	6020B	786842

Analysis Batch: 788038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-13	MW-10	Total Recoverable	Water	6020B	786842
500-256375-14	MW-01	Total Recoverable	Water	6020B	786842
500-256375-15	MW-09	Total Recoverable	Water	6020B	786842
500-256375-16	MW-16	Total Recoverable	Water	6020B	786842
500-256375-17	MW-08	Total Recoverable	Water	6020B	786842
500-256375-18	Duplicate	Total Recoverable	Water	6020B	786842
500-256375-19	MW-22	Total Recoverable	Water	6020B	786842
500-256375-20	MW-23	Total Recoverable	Water	6020B	786842
500-256375-21	MW-18	Total Recoverable	Water	6020B	786842
500-256375-22	MW-17	Total Recoverable	Water	6020B	786842
500-256375-23	MW-13	Total Recoverable	Water	6020B	786842

Prep Batch: 788105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	7470A	
500-256375-2	MW-14	Total/NA	Water	7470A	
500-256375-3	MW-15	Total/NA	Water	7470A	
500-256375-4	MW-02	Total/NA	Water	7470A	
500-256375-5	MW-03	Total/NA	Water	7470A	
500-256375-6	MW-04	Total/NA	Water	7470A	
500-256375-7	MW-05	Total/NA	Water	7470A	
500-256375-8	MW-06	Total/NA	Water	7470A	
500-256375-9	MW-07	Total/NA	Water	7470A	
MB 500-788105/12-A	Method Blank	Total/NA	Water	7470A	

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QC Association Summary

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

Job ID: 500-256375-1

Metals (Continued)

Prep Batch: 788105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-788105/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-256375-6 MS	MW-04	Total/NA	Water	7470A	
500-256375-6 MSD	MW-04	Total/NA	Water	7470A	
500-256375-6 DU	MW-04	Total/NA	Water	7470A	

Prep Batch: 788106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-10	MW-21D	Total/NA	Water	7470A	
500-256375-11	Duplicate	Total/NA	Water	7470A	
500-256375-12	MW-12R	Total/NA	Water	7470A	
500-256375-13	MW-10	Total/NA	Water	7470A	
500-256375-14	MW-01	Total/NA	Water	7470A	
500-256375-15	MW-09	Total/NA	Water	7470A	
500-256375-16	MW-16	Total/NA	Water	7470A	
500-256375-17	MW-08	Total/NA	Water	7470A	
500-256375-18	Duplicate	Total/NA	Water	7470A	
500-256375-19	MW-22	Total/NA	Water	7470A	
MB 500-788106/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-788106/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-256375-15 MS	MW-09	Total/NA	Water	7470A	
500-256375-15 MSD	MW-09	Total/NA	Water	7470A	
500-256375-15 DU	MW-09	Total/NA	Water	7470A	

Prep Batch: 788343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-20	MW-23	Total/NA	Water	7470A	
500-256375-21	MW-18	Total/NA	Water	7470A	
500-256375-22	MW-17	Total/NA	Water	7470A	
500-256375-23	MW-13	Total/NA	Water	7470A	
500-256375-26	MW-20	Total/NA	Water	7470A	
500-256375-27	MW-21	Total/NA	Water	7470A	
500-256375-28	MW-19	Total/NA	Water	7470A	
500-256375-30	MW-18A	Total/NA	Water	7470A	
MB 500-788343/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-788343/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-256375-28 MS	MW-19	Total/NA	Water	7470A	
500-256375-28 MSD	MW-19	Total/NA	Water	7470A	
500-256375-28 DU	MW-19	Total/NA	Water	7470A	

Analysis Batch: 788356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	7470A	788105
500-256375-2	MW-14	Total/NA	Water	7470A	788105
500-256375-3	MW-15	Total/NA	Water	7470A	788105
500-256375-4	MW-02	Total/NA	Water	7470A	788105
500-256375-5	MW-03	Total/NA	Water	7470A	788105
500-256375-6	MW-04	Total/NA	Water	7470A	788105
500-256375-7	MW-05	Total/NA	Water	7470A	788105
500-256375-8	MW-06	Total/NA	Water	7470A	788105
500-256375-9	MW-07	Total/NA	Water	7470A	788105
500-256375-10	MW-21D	Total/NA	Water	7470A	788106

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QC Association Summary

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

Job ID: 500-256375-1

Metals (Continued)

Analysis Batch: 788356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-11	Duplicate	Total/NA	Water	7470A	788106
500-256375-12	MW-12R	Total/NA	Water	7470A	788106
500-256375-13	MW-10	Total/NA	Water	7470A	788106
500-256375-14	MW-01	Total/NA	Water	7470A	788106
500-256375-15	MW-09	Total/NA	Water	7470A	788106
500-256375-16	MW-16	Total/NA	Water	7470A	788106
500-256375-17	MW-08	Total/NA	Water	7470A	788106
500-256375-18	Duplicate	Total/NA	Water	7470A	788106
500-256375-19	MW-22	Total/NA	Water	7470A	788106
MB 500-788105/12-A	Method Blank	Total/NA	Water	7470A	788105
MB 500-788106/12-A	Method Blank	Total/NA	Water	7470A	788106
LCS 500-788105/13-A	Lab Control Sample	Total/NA	Water	7470A	788105
LCS 500-788106/13-A	Lab Control Sample	Total/NA	Water	7470A	788106
500-256375-6 MS	MW-04	Total/NA	Water	7470A	788105
500-256375-6 MSD	MW-04	Total/NA	Water	7470A	788105
500-256375-15 MS	MW-09	Total/NA	Water	7470A	788106
500-256375-15 MSD	MW-09	Total/NA	Water	7470A	788106
500-256375-6 DU	MW-04	Total/NA	Water	7470A	788105
500-256375-15 DU	MW-09	Total/NA	Water	7470A	788106

Analysis Batch: 788552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-20	MW-23	Total/NA	Water	7470A	788343
500-256375-21	MW-18	Total/NA	Water	7470A	788343
500-256375-22	MW-17	Total/NA	Water	7470A	788343
500-256375-23	MW-13	Total/NA	Water	7470A	788343
500-256375-26	MW-20	Total/NA	Water	7470A	788343
500-256375-27	MW-21	Total/NA	Water	7470A	788343
500-256375-28	MW-19	Total/NA	Water	7470A	788343
500-256375-30	MW-18A	Total/NA	Water	7470A	788343
MB 500-788343/12-A	Method Blank	Total/NA	Water	7470A	788343
LCS 500-788343/13-A	Lab Control Sample	Total/NA	Water	7470A	788343
500-256375-28 MS	MW-19	Total/NA	Water	7470A	788343
500-256375-28 MSD	MW-19	Total/NA	Water	7470A	788343
500-256375-28 DU	MW-19	Total/NA	Water	7470A	788343

General Chemistry

Analysis Batch: 785866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	SM 2540C	
500-256375-2	MW-14	Total/NA	Water	SM 2540C	
500-256375-3	MW-15	Total/NA	Water	SM 2540C	
500-256375-4	MW-02	Total/NA	Water	SM 2540C	
500-256375-5	MW-03	Total/NA	Water	SM 2540C	
500-256375-6	MW-04	Total/NA	Water	SM 2540C	
500-256375-7	MW-05	Total/NA	Water	SM 2540C	
500-256375-8	MW-06	Total/NA	Water	SM 2540C	
500-256375-9	MW-07	Total/NA	Water	SM 2540C	
500-256375-10	MW-21D	Total/NA	Water	SM 2540C	
500-256375-11	Duplicate	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-256375-1

General Chemistry (Continued)

Analysis Batch: 785866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-12	MW-12R	Total/NA	Water	SM 2540C	
500-256375-13	MW-10	Total/NA	Water	SM 2540C	
500-256375-14	MW-01	Total/NA	Water	SM 2540C	
500-256375-15	MW-09	Total/NA	Water	SM 2540C	
500-256375-16	MW-16	Total/NA	Water	SM 2540C	
500-256375-17	MW-08	Total/NA	Water	SM 2540C	
500-256375-18	Duplicate	Total/NA	Water	SM 2540C	
MB 500-785866/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-785866/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-256375-1 DU	MW-11	Total/NA	Water	SM 2540C	

Analysis Batch: 786105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-19	MW-22	Total/NA	Water	SM 2540C	
500-256375-20	MW-23	Total/NA	Water	SM 2540C	
500-256375-21	MW-18	Total/NA	Water	SM 2540C	
500-256375-22	MW-17	Total/NA	Water	SM 2540C	
500-256375-23	MW-13	Total/NA	Water	SM 2540C	
500-256375-24	MW-20	Total/NA	Water	SM 2540C	
500-256375-25	MW-21	Total/NA	Water	SM 2540C	
500-256375-28	MW-19	Total/NA	Water	SM 2540C	
500-256375-30	MW-18A	Total/NA	Water	SM 2540C	
MB 500-786105/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-786105/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-256375-19 DU	MW-22	Total/NA	Water	SM 2540C	

Analysis Batch: 786127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-256375-2	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-256375-3	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-256375-4	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-256375-5	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-256375-6	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-256375-7	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-256375-8	MW-06	Total/NA	Water	SM 4500 Cl- E	
500-256375-9	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-256375-10	MW-21D	Total/NA	Water	SM 4500 Cl- E	
500-256375-11	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-256375-12	MW-12R	Total/NA	Water	SM 4500 Cl- E	
500-256375-13	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-256375-14	MW-01	Total/NA	Water	SM 4500 Cl- E	
MB 500-786127/64	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-786127/65	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-256375-14 MS	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-256375-14 MSD	MW-01	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 786738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	SM 4500 F C	
500-256375-2	MW-14	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-256375-1

General Chemistry (Continued)

Analysis Batch: 786738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-3	MW-15	Total/NA	Water	SM 4500 F C	
500-256375-4	MW-02	Total/NA	Water	SM 4500 F C	
500-256375-5	MW-03	Total/NA	Water	SM 4500 F C	
500-256375-6	MW-04	Total/NA	Water	SM 4500 F C	
500-256375-7	MW-05	Total/NA	Water	SM 4500 F C	
500-256375-8	MW-06	Total/NA	Water	SM 4500 F C	
500-256375-9	MW-07	Total/NA	Water	SM 4500 F C	
500-256375-10	MW-21D	Total/NA	Water	SM 4500 F C	
500-256375-11	Duplicate	Total/NA	Water	SM 4500 F C	
500-256375-12	MW-12R	Total/NA	Water	SM 4500 F C	
MB 500-786738/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-786738/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 786921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-15	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-256375-16	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-256375-17	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-256375-18	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-256375-19	MW-22	Total/NA	Water	SM 4500 Cl- E	
500-256375-20	MW-23	Total/NA	Water	SM 4500 Cl- E	
500-256375-21	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-256375-22	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-256375-23	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-256375-24	MW-20	Total/NA	Water	SM 4500 Cl- E	
500-256375-25	MW-21	Total/NA	Water	SM 4500 Cl- E	
500-256375-28	MW-19	Total/NA	Water	SM 4500 Cl- E	
500-256375-30	MW-18A	Total/NA	Water	SM 4500 Cl- E	
MB 500-786921/55	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-786921/56	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 787461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-13	MW-10	Total/NA	Water	SM 4500 F C	
500-256375-14	MW-01	Total/NA	Water	SM 4500 F C	
500-256375-15	MW-09	Total/NA	Water	SM 4500 F C	
500-256375-16	MW-16	Total/NA	Water	SM 4500 F C	
500-256375-17	MW-08	Total/NA	Water	SM 4500 F C	
500-256375-18	Duplicate	Total/NA	Water	SM 4500 F C	
500-256375-19	MW-22	Total/NA	Water	SM 4500 F C	
500-256375-20	MW-23	Total/NA	Water	SM 4500 F C	
500-256375-21	MW-18	Total/NA	Water	SM 4500 F C	
500-256375-22	MW-17	Total/NA	Water	SM 4500 F C	
500-256375-23	MW-13	Total/NA	Water	SM 4500 F C	
500-256375-24	MW-20	Total/NA	Water	SM 4500 F C	
500-256375-25	MW-21	Total/NA	Water	SM 4500 F C	
500-256375-28	MW-19	Total/NA	Water	SM 4500 F C	
500-256375-30	MW-18A	Total/NA	Water	SM 4500 F C	
MB 500-787461/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-787461/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-787461/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-256375-1

General Chemistry (Continued)

Analysis Batch: 787461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-787461/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-256375-16 MS	MW-16	Total/NA	Water	SM 4500 F C	
500-256375-16 MSD	MW-16	Total/NA	Water	SM 4500 F C	

Analysis Batch: 787551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	9056A	
500-256375-2	MW-14	Total/NA	Water	9056A	
500-256375-3	MW-15	Total/NA	Water	9056A	
500-256375-4	MW-02	Total/NA	Water	9056A	
500-256375-5	MW-03	Total/NA	Water	9056A	
500-256375-6	MW-04	Total/NA	Water	9056A	
500-256375-7	MW-05	Total/NA	Water	9056A	
500-256375-8	MW-06	Total/NA	Water	9056A	
500-256375-9	MW-07	Total/NA	Water	9056A	
500-256375-10	MW-21D	Total/NA	Water	9056A	
500-256375-11	Duplicate	Total/NA	Water	9056A	
500-256375-12	MW-12R	Total/NA	Water	9056A	
500-256375-13	MW-10	Total/NA	Water	9056A	
500-256375-14	MW-01	Total/NA	Water	9056A	
500-256375-15	MW-09	Total/NA	Water	9056A	
500-256375-16	MW-16	Total/NA	Water	9056A	
500-256375-17	MW-08	Total/NA	Water	9056A	
500-256375-18	Duplicate	Total/NA	Water	9056A	
500-256375-19	MW-22	Total/NA	Water	9056A	
500-256375-20	MW-23	Total/NA	Water	9056A	
500-256375-21	MW-18	Total/NA	Water	9056A	
500-256375-22	MW-17	Total/NA	Water	9056A	
500-256375-23	MW-13	Total/NA	Water	9056A	
500-256375-26	MW-20	Total/NA	Water	9056A	
500-256375-27	MW-21	Total/NA	Water	9056A	
500-256375-28	MW-19	Total/NA	Water	9056A	
MB 500-787551/3	Method Blank	Total/NA	Water	9056A	
MB 500-787551/33	Method Blank	Total/NA	Water	9056A	
LCS 500-787551/34	Lab Control Sample	Total/NA	Water	9056A	
LCS 500-787551/4	Lab Control Sample	Total/NA	Water	9056A	
500-256375-1 MS	MW-11	Total/NA	Water	9056A	
500-256375-1 MSD	MW-11	Total/NA	Water	9056A	
500-256375-20 MS	MW-23	Total/NA	Water	9056A	
500-256375-20 MSD	MW-23	Total/NA	Water	9056A	
500-256375-21 MS	MW-18	Total/NA	Water	9056A	
500-256375-21 MSD	MW-18	Total/NA	Water	9056A	

Analysis Batch: 788163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-30	MW-18A	Total/NA	Water	9056A	
MB 500-788163/3	Method Blank	Total/NA	Water	9056A	
LCS 500-788163/4	Lab Control Sample	Total/NA	Water	9056A	
500-256375-30 MS	MW-18A	Total/NA	Water	9056A	
500-256375-30 MSD	MW-18A	Total/NA	Water	9056A	

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QC Sample Results

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

Job ID: 500-256375-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-785476/1-A

Matrix: Water

Analysis Batch: 785902

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 785476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030	^1+	0.0030		mg/L		09/11/24 08:59	09/12/24 18:19	1
Arsenic	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:19	1
Barium	<0.0025		0.0025		mg/L		09/11/24 08:59	09/12/24 18:19	1
Beryllium	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:19	1
Boron	<0.050		0.050		mg/L		09/11/24 08:59	09/12/24 18:19	1
Cadmium	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:19	1
Calcium	<0.20		0.20		mg/L		09/11/24 08:59	09/12/24 18:19	1
Chromium	<0.0050		0.0050		mg/L		09/11/24 08:59	09/12/24 18:19	1
Cobalt	<0.0010		0.0010		mg/L		09/11/24 08:59	09/12/24 18:19	1
Lead	<0.00050		0.00050		mg/L		09/11/24 08:59	09/12/24 18:19	1
Lithium	<0.010		0.010		mg/L		09/11/24 08:59	09/12/24 18:19	1
Molybdenum	<0.0050		0.0050		mg/L		09/11/24 08:59	09/12/24 18:19	1
Selenium	<0.0025		0.0025		mg/L		09/11/24 08:59	09/12/24 18:19	1
Thallium	<0.0020		0.0020		mg/L		09/11/24 08:59	09/12/24 18:19	1

Lab Sample ID: LCS 500-785476/2-A

Matrix: Water

Analysis Batch: 785902

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 785476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.504	^1+	mg/L		101	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	0.500	0.500		mg/L		100	80 - 120
Beryllium	0.0500	0.0472		mg/L		94	80 - 120
Boron	1.00	0.952		mg/L		95	80 - 120
Cadmium	0.0500	0.0500		mg/L		100	80 - 120
Calcium	10.0	8.18		mg/L		82	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.513		mg/L		103	80 - 120
Lead	0.100	0.0978		mg/L		98	80 - 120
Lithium	0.100	0.0957		mg/L		96	80 - 120
Molybdenum	1.00	0.971		mg/L		97	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: MB 500-786842/1-A

Matrix: Water

Analysis Batch: 787453

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 786842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/19/24 09:04	09/23/24 17:03	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:03	1
Barium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:03	1
Boron	<0.050		0.050		mg/L		09/19/24 09:04	09/23/24 17:03	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:03	1
Calcium	<0.20		0.20		mg/L		09/19/24 09:04	09/23/24 17:03	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:03	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/23/24 17:03	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/23/24 17:03	1

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: MB 500-786842/1-A
Matrix: Water
Analysis Batch: 787453

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/23/24 17:03	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/23/24 17:03	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/23/24 17:03	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/23/24 17:03	1

Lab Sample ID: MB 500-786842/1-A
Matrix: Water
Analysis Batch: 787678

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/19/24 09:04	09/24/24 12:05	1
Arsenic	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:05	1
Barium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/24/24 12:05	1
Beryllium	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:05	1
Boron	<0.050		0.050		mg/L		09/19/24 09:04	09/24/24 12:05	1
Cadmium	<0.00050		0.00050		mg/L		09/19/24 09:04	09/24/24 12:05	1
Calcium	<0.20		0.20		mg/L		09/19/24 09:04	09/24/24 12:05	1
Chromium	<0.0050		0.0050		mg/L		09/19/24 09:04	09/24/24 12:05	1
Cobalt	<0.0010		0.0010		mg/L		09/19/24 09:04	09/24/24 12:05	1
Lead	<0.00050		0.00050		mg/L		09/19/24 09:04	09/24/24 12:05	1
Lithium	<0.010		0.010		mg/L		09/19/24 09:04	09/24/24 12:05	1
Molybdenum	<0.0050		0.0050		mg/L		09/19/24 09:04	09/24/24 12:05	1
Selenium	<0.0025		0.0025		mg/L		09/19/24 09:04	09/24/24 12:05	1
Thallium	<0.0020		0.0020		mg/L		09/19/24 09:04	09/24/24 12:05	1

Lab Sample ID: LCS 500-786842/2-A
Matrix: Water
Analysis Batch: 787453

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.480		mg/L		96	80 - 120
Arsenic	0.100	0.0936		mg/L		94	80 - 120
Barium	0.500	0.482		mg/L		96	80 - 120
Boron	1.00	0.945		mg/L		95	80 - 120
Cadmium	0.0500	0.0481		mg/L		96	80 - 120
Calcium	10.0	8.17		mg/L		82	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.500	0.519		mg/L		104	80 - 120
Lead	0.100	0.0971		mg/L		97	80 - 120
Lithium	0.100	0.102		mg/L		102	80 - 120
Molybdenum	1.00	0.950		mg/L		95	80 - 120
Selenium	0.100	0.0937		mg/L		94	80 - 120
Thallium	0.100	0.0994		mg/L		99	80 - 120

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: LCS 500-786842/2-A
Matrix: Water
Analysis Batch: 787678

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.512		mg/L		102	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.500	0.506		mg/L		101	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	10.0	8.81		mg/L		88	80 - 120
Chromium	0.200	0.210		mg/L		105	80 - 120
Cobalt	0.500	0.533		mg/L		107	80 - 120
Lead	0.100	0.105		mg/L		105	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	0.998		mg/L		100	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: 500-256375-4 MS
Matrix: Water
Analysis Batch: 787453

Client Sample ID: MW-02
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0010		0.100	0.0956		mg/L		95	75 - 125
Barium	0.093		0.500	0.567		mg/L		95	75 - 125
Boron	3.9		1.00	4.95		mg/L		103	75 - 125
Cadmium	<0.00050		0.0500	0.0479		mg/L		96	75 - 125
Calcium	110		10.0	122	4	mg/L		83	75 - 125
Chromium	<0.0050		0.200	0.187		mg/L		94	75 - 125
Cobalt	<0.0010		0.500	0.491		mg/L		98	75 - 125
Lead	<0.00050		0.100	0.0955		mg/L		95	75 - 125
Lithium	<0.010		0.100	0.103		mg/L		98	75 - 125
Molybdenum	<0.0050		1.00	0.962		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.0958		mg/L		94	75 - 125
Thallium	<0.0020		0.100	0.0993		mg/L		99	75 - 125

Lab Sample ID: 500-256375-4 MS
Matrix: Water
Analysis Batch: 787678

Client Sample ID: MW-02
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.514		mg/L		103	75 - 125
Beryllium	<0.0010		0.0500	0.0504		mg/L		101	75 - 125

Lab Sample ID: 500-256375-4 MSD
Matrix: Water
Analysis Batch: 787453

Client Sample ID: MW-02
Prep Type: Total Recoverable
Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0010		0.100	0.0971		mg/L		96	75 - 125	2	20
Barium	0.093		0.500	0.572		mg/L		96	75 - 125	1	20
Boron	3.9		1.00	5.06		mg/L		113	75 - 125	2	20

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: 500-256375-4 MSD

Matrix: Water

Analysis Batch: 787453

Client Sample ID: MW-02

Prep Type: Total Recoverable

Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	<0.00050		0.0500	0.0485		mg/L		97	75 - 125	1	20
Calcium	110		10.0	123	4	mg/L		98	75 - 125	1	20
Chromium	<0.0050		0.200	0.189		mg/L		94	75 - 125	1	20
Cobalt	<0.0010		0.500	0.497		mg/L		99	75 - 125	1	20
Lead	<0.00050		0.100	0.0967		mg/L		97	75 - 125	1	20
Lithium	<0.010		0.100	0.103		mg/L		98	75 - 125	0	20
Molybdenum	<0.0050		1.00	0.967		mg/L		97	75 - 125	0	20
Selenium	<0.0025		0.100	0.0974		mg/L		95	75 - 125	2	20
Thallium	<0.0020		0.100	0.0998		mg/L		100	75 - 125	1	20

Lab Sample ID: 500-256375-4 MSD

Matrix: Water

Analysis Batch: 787678

Client Sample ID: MW-02

Prep Type: Total Recoverable

Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.519		mg/L		104	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0504		mg/L		101	75 - 125	0	20

Lab Sample ID: 500-256375-4 DU

Matrix: Water

Analysis Batch: 787453

Client Sample ID: MW-02

Prep Type: Total Recoverable

Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.093		0.0962		mg/L		3	20
Boron	3.9		4.01		mg/L		2	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	110		116		mg/L		2	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010		<0.010		mg/L		NC	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-256375-4 DU

Matrix: Water

Analysis Batch: 787678

Client Sample ID: MW-02

Prep Type: Total Recoverable

Prep Batch: 786842

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20

Lab Sample ID: MB 500-787045/1-A

Matrix: Water

Analysis Batch: 787251

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 787045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/20/24 09:02	09/20/24 17:54	1

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: MB 500-787045/1-A
Matrix: Water
Analysis Batch: 787251

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 787045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 17:54	1
Barium	<0.0025		0.0025		mg/L		09/20/24 09:02	09/20/24 17:54	1
Beryllium	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 17:54	1
Boron	<0.050		0.050		mg/L		09/20/24 09:02	09/20/24 17:54	1
Cadmium	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 17:54	1
Calcium	<0.20		0.20		mg/L		09/20/24 09:02	09/20/24 17:54	1
Chromium	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 17:54	1
Cobalt	<0.0010		0.0010		mg/L		09/20/24 09:02	09/20/24 17:54	1
Lead	<0.00050		0.00050		mg/L		09/20/24 09:02	09/20/24 17:54	1
Lithium	<0.010		0.010		mg/L		09/20/24 09:02	09/20/24 17:54	1
Molybdenum	<0.0050		0.0050		mg/L		09/20/24 09:02	09/20/24 17:54	1
Selenium	<0.0025		0.0025		mg/L		09/20/24 09:02	09/20/24 17:54	1
Thallium	<0.0020		0.0020		mg/L		09/20/24 09:02	09/20/24 17:54	1

Lab Sample ID: LCS 500-787045/2-A
Matrix: Water
Analysis Batch: 787251

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 787045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.489		mg/L		98	80 - 120
Arsenic	0.100	0.0933		mg/L		93	80 - 120
Barium	0.500	0.490		mg/L		98	80 - 120
Beryllium	0.0500	0.0502		mg/L		100	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Calcium	10.0	8.79		mg/L		88	80 - 120
Chromium	0.200	0.203		mg/L		101	80 - 120
Cobalt	0.500	0.525		mg/L		105	80 - 120
Lead	0.100	0.0986		mg/L		99	80 - 120
Lithium	0.100	0.107		mg/L		107	80 - 120
Molybdenum	1.00	0.948		mg/L		95	80 - 120
Selenium	0.100	0.0936		mg/L		94	80 - 120
Thallium	0.100	0.100		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-788105/12-A
Matrix: Water
Analysis Batch: 788356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 788105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 08:34	1

Lab Sample ID: LCS 500-788105/13-A
Matrix: Water
Analysis Batch: 788356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 788105

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

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: 500-256375-6 MS

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-04

Prep Type: Total/NA

Prep Batch: 788105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.00100		mg/L		100	75 - 125

Lab Sample ID: 500-256375-6 MSD

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-04

Prep Type: Total/NA

Prep Batch: 788105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.000988		mg/L		99	75 - 125	1	20

Lab Sample ID: 500-256375-6 DU

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-04

Prep Type: Total/NA

Prep Batch: 788105

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

Lab Sample ID: MB 500-788106/12-A

Matrix: Water

Analysis Batch: 788356

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 788106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/27/24 12:05	09/30/24 07:38	1

Lab Sample ID: LCS 500-788106/13-A

Matrix: Water

Analysis Batch: 788356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 788106

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: 500-256375-15 MS

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-09

Prep Type: Total/NA

Prep Batch: 788106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.00102		mg/L		102	75 - 125

Lab Sample ID: 500-256375-15 MSD

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-09

Prep Type: Total/NA

Prep Batch: 788106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.00101		mg/L		101	75 - 125	1	20

Lab Sample ID: 500-256375-15 DU

Matrix: Water

Analysis Batch: 788356

Client Sample ID: MW-09

Prep Type: Total/NA

Prep Batch: 788106

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: Powerton CCR

Job ID: 500-256375-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-788343/12-A
Matrix: Water
Analysis Batch: 788552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 788343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/30/24 11:45	10/01/24 06:56	1

Lab Sample ID: LCS 500-788343/13-A
Matrix: Water
Analysis Batch: 788552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 788343

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: 500-256375-28 MS
Matrix: Water
Analysis Batch: 788552

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 788343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000963		mg/L		96	75 - 125

Lab Sample ID: 500-256375-28 MSD
Matrix: Water
Analysis Batch: 788552

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 788343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000935		mg/L		94	75 - 125	3	20

Lab Sample ID: 500-256375-28 DU
Matrix: Water
Analysis Batch: 788552

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 788343

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

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 500-787551/3
Matrix: Water
Analysis Batch: 787551

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			09/26/24 14:39	1

Lab Sample ID: MB 500-787551/33
Matrix: Water
Analysis Batch: 787551

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			09/26/24 22:15	1

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: LCS 500-787551/34

Matrix: Water

Analysis Batch: 787551

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.8		mg/L		104	80 - 120

Lab Sample ID: LCS 500-787551/4

Matrix: Water

Analysis Batch: 787551

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	20.6		mg/L		103	80 - 120

Lab Sample ID: 500-256375-1 MS

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	82		100	178		mg/L		96	80 - 120

Lab Sample ID: 500-256375-1 MSD

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	82		100	169		mg/L		87	80 - 120	5	15

Lab Sample ID: 500-256375-20 MS

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-23

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	99		100	196		mg/L		97	80 - 120

Lab Sample ID: 500-256375-20 MSD

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-23

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	99		100	191		mg/L		92	80 - 120	3	15

Lab Sample ID: 500-256375-21 MS

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-18

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	74		100	173		mg/L		100	80 - 120

Lab Sample ID: 500-256375-21 MSD

Matrix: Water

Analysis Batch: 787551

Client Sample ID: MW-18

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	74		100	175		mg/L		101	80 - 120	1	15

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QC Sample Results

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

Job ID: 500-256375-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 500-788163/3

Matrix: Water

Analysis Batch: 788163

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			09/28/24 10:38	1

Lab Sample ID: LCS 500-788163/4

Matrix: Water

Analysis Batch: 788163

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	20.6		mg/L		103	80 - 120

Lab Sample ID: 500-256375-30 MS

Matrix: Water

Analysis Batch: 788163

Client Sample ID: MW-18A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	270		200	465		mg/L		98	80 - 120

Lab Sample ID: 500-256375-30 MSD

Matrix: Water

Analysis Batch: 788163

Client Sample ID: MW-18A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	270		200	467		mg/L		99	80 - 120	0	15

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

Lab Sample ID: MB 500-785866/1

Matrix: Water

Analysis Batch: 785866

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			09/13/24 00:02	1

Lab Sample ID: LCS 500-785866/2

Matrix: Water

Analysis Batch: 785866

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: 500-256375-1 DU

Matrix: Water

Analysis Batch: 785866

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	700		738		mg/L		5	5

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: MB 500-786105/1

Matrix: Water

Analysis Batch: 786105

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			09/15/24 07:13	1

Lab Sample ID: LCS 500-786105/2

Matrix: Water

Analysis Batch: 786105

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: 500-256375-19 DU

Matrix: Water

Analysis Batch: 786105

Client Sample ID: MW-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	660		666		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-786127/64

Matrix: Water

Analysis Batch: 786127

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			09/15/24 13:59	1

Lab Sample ID: LCS 500-786127/65

Matrix: Water

Analysis Batch: 786127

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	19.5		mg/L		98	85 - 115

Lab Sample ID: 500-256375-14 MS

Matrix: Water

Analysis Batch: 786127

Client Sample ID: MW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	61	F1	20.0	75.7	F1	mg/L		72	75 - 125

Lab Sample ID: 500-256375-14 MSD

Matrix: Water

Analysis Batch: 786127

Client Sample ID: MW-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	61	F1	20.0	76.0	F1	mg/L		73	75 - 125	0	20

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QC Sample Results

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

Job ID: 500-256375-1

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

Lab Sample ID: MB 500-786921/55
Matrix: Water
Analysis Batch: 786921

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			09/19/24 12:59	1

Lab Sample ID: LCS 500-786921/56
Matrix: Water
Analysis Batch: 786921

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.0		mg/L		100	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-786738/31
Matrix: Water
Analysis Batch: 786738

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			09/18/24 14:20	1

Lab Sample ID: LCS 500-786738/32
Matrix: Water
Analysis Batch: 786738

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	9.42		mg/L		94	90 - 119

Lab Sample ID: MB 500-787461/3
Matrix: Water
Analysis Batch: 787461

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			09/23/24 14:03	1

Lab Sample ID: MB 500-787461/31
Matrix: Water
Analysis Batch: 787461

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			09/23/24 16:24	1

Lab Sample ID: LCS 500-787461/32
Matrix: Water
Analysis Batch: 787461

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	9.43		mg/L		94	90 - 119

QC Sample Results

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

Job ID: 500-256375-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-787461/4
Matrix: Water
Analysis Batch: 787461

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	9.51		mg/L		95	90 - 119		

Lab Sample ID: 500-256375-16 MS
Matrix: Water
Analysis Batch: 787461

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	<0.10		5.00	5.03		mg/L		99	75 - 125		

Lab Sample ID: 500-256375-16 MSD
Matrix: Water
Analysis Batch: 787461

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	<0.10		5.00	5.02		mg/L		98	75 - 125	0	20

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2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Environment Testing

Client Information		Sampler Nicole Korman / Jack Misner		Lab PM Mockler, Diana J		Carrier Tracking No(s):		COC No. 500-126837-49657 2															
Client Contact: Kaelyn Sperle		Phone 262-622-1143		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin. IL		Page: Page 2 of 3															
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-256375													
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested STANDARD		 500-256375 COC						Preservation Codes: D - HNO3 N - None													
City: Brookfield		TAT Requested (days) STANDARD								Other:													
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No																					
Phone: 262-781-0475(Tel)		PO #: 4502160845																					
Email: kaelyns@kprginc.com		WO #:																					
Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		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)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		6020A, 7470A		2540C, 4500_F_C, SM4500_Cl_E		SM4500_SO4_E - Sulfate		500-256375 COC	
MW-12								Water															
MW-13		9/9/24		1413		G		Water		N		N		X		X		X		X			
MW-14		9/9/24		1205		G		Water		N		N		X		X		X		X			
MW-15		9/9/24		1309		G		Water		N		N		X		X		X		X			
MW-16								Water															
MW-17								Water															
MW-18								Water															
MW-19								Water															
MW-20								Water															
MW-21								Water															
MW-21D								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: Nicole Korman				Date/Time: 9/9/24				Company				Received by: Stephanie Hernandez				Date/Time: 9/10/24 09:35				Company: EEIA			
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 6.0-5.9																			

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Nikie Korman / Jack Mysner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-126837-49657 1															
Client Contact: Kaelyn Sperle		Phone: <u>202-622-1143</u>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin: <u>IL</u>		Page: Page 1 of 3															
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: <u>500-256375</u>													
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested: <u>STANDARD</u>		 500-256375 COC						Preservation Codes: D - HNO3 N - None													
City: Brookfield		TAT Requested (days): <u>STANDARD</u>								Other:													
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No																					
Phone: 262-781-0475(Tel)		PO #: 4502160845																					
Email: kaelyns@kprginc.com		WO #:																					
Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		 500-256375 COC						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)		Perform MS/MSD (Yes or No)		903.0, 904.0		6020A, 7470A		2540C, 4500_F_C, SM4500_C1_E		SM4500_SO4_E - Sulfate		Total Number of Containers	
MW-01								Water															
4 MW-02		9/10/24		1315		G		Water		N		N		X		X		X		X			
5 MW-03		9/10/24		1437		G		Water		N		N		X		X		X		X			
6 MW-04		9/10/24		1544		G		Water		N		N		X		X		X		X			
7 MW-05		9/10/24		1548		G		Water		N		N		X		X		X		X			
8 MW-06		9/10/24		1108		G		Water		N		N		X		X		X		X			
9 MW-07		9/10/24		1013		G		Water		N		N		X		X		X		X			
10 ~~MW-08~~ MW-21D		9/10/24		0902		G		Water		N		N		X		X		X		X			
11 ~~MW-09~~ Duplicate 1		9/10/24		-		G		Water		N		N		X		X		X		X			
MW-10								Water															
MW-11								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>Nikie Korman</u>				Date/Time: <u>9/10/24 1730</u>				Company: <u>KPRG</u>				Received by: <u>Stephanie Hernandez</u>				Date/Time: <u>9/11/24 0935</u>				Company: <u>EEHA</u>			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Custody Seals Intact				Custody Seal No				Cooler Temperature(s) °C and Other Remarks: <u>1.3+1.2, 2.4+2.3</u>															
☐ Yes ☐ No																							

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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>Nicole Korman / Jack Misner</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-126837-49657 2							
Client Contact Kaelyn Sperle		Phone <i>262-602-1143</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin <i>IL</i>		Page Page 2 of 3							
Company KPRG and Associates, Inc.		PWSID		Analysis Requested						Job # <i>500-256375</i>					
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested <i>standard</i>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020A, 7470A 2540C, 4500_F_C, SM4500_Cl_E SM4500_SO4_E - Sulfate Total Number of Containers						Preservation Codes D HNO3 N None					
City Brookfield		TAT Requested (days) <i>standard</i>								Other					
State Zip WI, 53005		Compliance Project ☐ Yes ☐ No													
Phone 262-781-0475(Tel)		PO # 4502160845													
Email kaelyns@kprginc.com		WO #													
Project Name Powerton CCR Event Desc. Quarterly Powerton CCR Sampling		Project # 50011612													
Site Illinois		SSOW#													
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)		Preservation Code		Special Instructions/Note			
MW-12R		9/11/24		1514		G		Water		N N X X X X		7			
MW-13 MW-10		9/11/24		1358		G		Water		N N X X X X		7			
MW-14 MW-02		9/11/24		1229		G		Water		N N X X X X		7			
MW-15 MW-09		9/11/24		0838		G		Water		N N X X X X		7			
MW-16		9/11/24		1000		G		Water		N N X X X X		7			
MW-17 MW-08		9/11/24		1121		G		Water		N N X X X X		7			
MW-18 Duplicate 2		9/11/24		-		G		Water		N N X X X X		7			
MW-19								Water							
MW-20								Water							
MW-21								Water							
MW-21D								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>Nicole Korman</i>				Date/Time 9/11/24 1645		Company KPRG		Received by <i>Stephanie Hemminger</i>				Date/Time 9/12/24 0930		Company EEIA	
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>8.4 + 8.1, 0.8 + 0.7</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: Nicole Kovina/Jack Misner		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-126837-49657 3															
Client Contact: Kaelyn Sperle		Phone: 262-622-1143		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: IL		Page: Page 3 of 3															
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-256375													
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested: STANDARD		Preservation Codes: D - HNO3 N - None  500-256375 COC						Total Number of containers:													
City: Brookfield		TAT Requested (days): STANDARD																					
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No																					
Phone: 262-781-0475 (Tel)		PO #: 4502160845																					
Email: kaelyns@kprginc.com		WO #:																					
Project Name: Powerton CCR Event Desc. Quarterly Powerton CCR Sampling		Project #: 60011612								Other:													
Site: Illinois		SSOW#:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		8020A, 7470A		2540C, 4500_F_C, SM4500_CLE		SM4500_SO4_E - Sulfate		Special Instructions/Note:	
MW-22		9/12/24		1331		G		Water		N		N		X		X		X		X			
MW-23		9/12/24		1418		G		Water		N		N		X		X		X		X			
Duplicate 1 MW-18		9/12/24		1214		G		Water		N		N		X		X		X		X			
Duplicate 2 MW-17		9/12/24		1123		G		Water		N		N		X		X		X		X			
MW-13		9/12/24		1020		G		Water		N		N		X		X		X		X			
MW-20		9/12/24		0934		G		water		N		N				X							
MW-21		9/12/24		0905		G		water		N		N				X							
MW-20		9/10/24		0930		G		water		N		N		X				X					
MW-21		9/10/24		0836		G		water		N		N		X				X					
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
Deliverable Requested: I, II, III, IV, Other (specify)				☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																			
Empty Kit Relinquished by		Date		Time		Method of Shipment:																	
Relinquished by: Nicole Kovina		Date/Time: 9/12/24 1530		Company: KPRG		Received by: Stephanie Hernandez		Date/Time: 9/13/24 0952		Company: EEIA													
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: 1.3+1.2, 5.2+5.1, 3.3+3.2																			

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28
29
30

KARLYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ALINGI: 25.00 LB MAN
CAD: 0780307/CAFE3808

P 11
489-34 MTH EX
585C7/4FF6/CC64

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



500-256375 Waybi

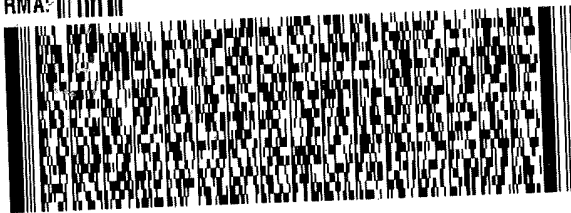
UNIVERSITY PARK IL 60484

(708) 684-6200
INU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



J241023112201 UN

FedEx
TRK# 4051 7963 0351
0221

TUE - 10 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48Q

60484
IL-US ORD



EXP 07/25

KARELYN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL1W61: 23.00 LB 11MM
CAD: 0780307/CAFE3808

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

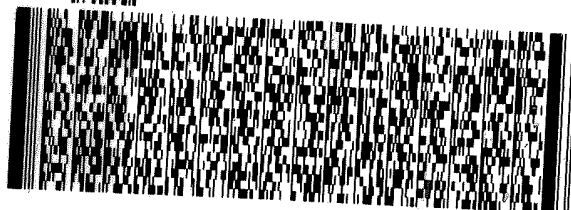
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA: ||| ||| |||



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Express



TRK#
0221 4051 7963 0384

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx

TRK#
0221 4051 7963 0384

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD



A
0384
09.11

KARELYN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL1W61: 23.00 LB 11MM
CAD: 0780307/CAFE3808



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

500-256375 Waybi

UNIVERSITY PARK IL 60484

(708) 534-5200

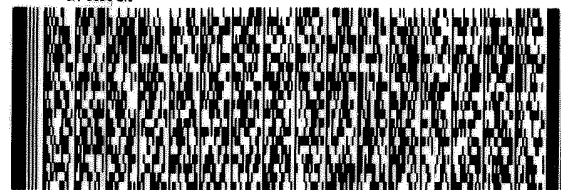
REF:

DEPT:

INU:

PO:

RMA: ||| ||| |||



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TRK#
0221 4051 7963 0373

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx

TRK#
0221 4051 7963 0373

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD



A
0373
09.11

KAELEYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB HHN
CAD: 0780307/CAFE3808

Pat 15946 434 MTW EXP 02/26
SASCS/4FF/454

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

UNIVERSITY PARK IL 60484

(708) 534-5200

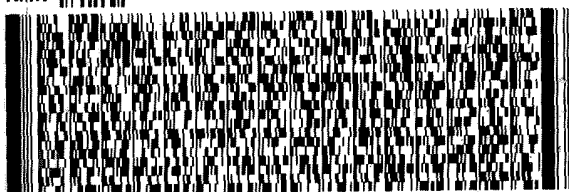
REF:

INU:

PO:

DEPT:

RMA: 11111111



FedEx
Express



J24102211220A UN

FedEx

TRK# 4051 7963 0410
0221

THU - 12 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD

Pat 15946 434 MTW EXP 07/26



500-256375 Waybi

KAELEYN SPERLE
KPRG AND ASSOC ATEs, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB HHN
CAD: 0780307/CAFE3808

Pat 15946 434 MTW EXP 02/26
SASCS/4FF/454

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

UNIVERSITY PARK IL 60484

(708) 534-5200

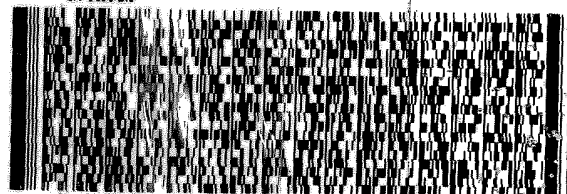
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INU:

PO:

DEPT:

RMA: 11111111



FedEx
Express



J24102211220A UN

FedEx

TRK# 4051 7963 0421
0221

THU - 12 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD

Pat 15946 434 MTW EXP 07/26



KHELTN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 23.00 LB FIRM
CAD: 0780307/CAFE3808

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

UNIVERSITY PARK IL 60484

(708) 534-5200

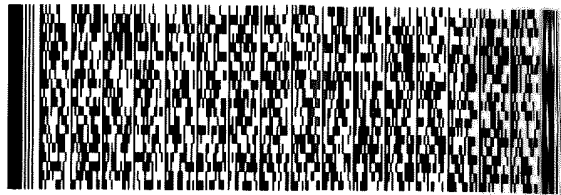
REF:

INU:

PO:

DEPT:

RMA: 



FedEx
Express



J241023112201UY

TRK# 4051 7063 0465

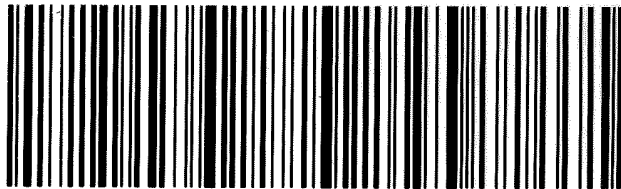
FedEx

TRK# 4051 7963 0465
0221

XP JOTA

RETURNS MON - SAT
PRIORITY OVERNIGHT
FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



583J2/4EF9/9AE3

KHELTN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 23.00 LB FIRM
CAD: 0780307



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

500-256375 Waybi

UNIVERSITY PARK IL 60484

(708) 534-5200

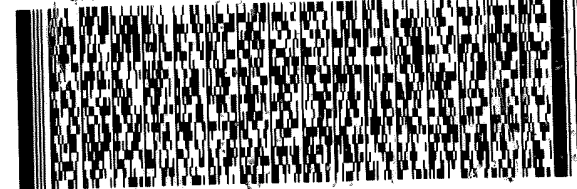
REF:

INU:

PO:

DEPT:

RMA: 



FedEx
Express



J241023112201UY

TRK#

FedEx

TRK# 4051 7963 0454
0221

XP JOTA

RETURNS MON - SAT
FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



583J2/4EF9/9AE3

3 48 at

KRELYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL
CAD.

RT 579
ST 22

346 -434 ATW EXF 01
SRCT2/4FF9/CEC4

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

UNIVERSITY PARK IL 60484

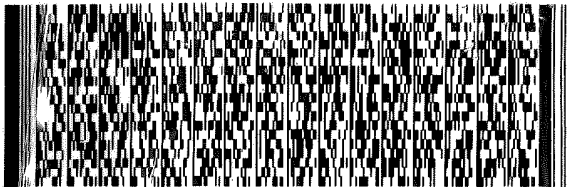
(708) 534-5200

REF:

INVT:
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RMA: ||| ||| |||



FedEx
Express



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FedEx

TRK#
0221

4051 7963 0432

FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD

EXP 07/25



583J2/4EF9/9AE3

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-256375-1

Login Number: 256375

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	5.9,1.2,2.3,8.1,0.7,1.2,5.1,3.2,2.4
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: Powerton CCR

Job ID: 500-256375-1

Client Sample ID: MW-11

Date Collected: 09/09/24 14:13

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			785476	BDE	EET CHI	09/11/24 08:59 - 09/11/24 14:59 ¹
Total Recoverable	Analysis	6020B		1	785902	RN	EET CHI	09/12/24 18:44
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:40
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 15:10
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:14
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:24
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 15:38

Client Sample ID: MW-14

Date Collected: 09/09/24 12:05

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			785476	BDE	EET CHI	09/11/24 08:59 - 09/11/24 14:59 ¹
Total Recoverable	Analysis	6020B		1	785902	RN	EET CHI	09/12/24 18:46
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:43
Total/NA	Analysis	9056A		100	787551	W1T	EET CHI	09/26/24 15:55
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:20
Total/NA	Analysis	SM 4500 CI- E		5	786127	TR	EET CHI	09/15/24 14:44
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 15:43

Client Sample ID: MW-15

Date Collected: 09/09/24 13:07

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			785476	BDE	EET CHI	09/11/24 08:59 - 09/11/24 14:59 ¹
Total Recoverable	Analysis	6020B		1	785902	RN	EET CHI	09/12/24 18:48
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:45
Total/NA	Analysis	9056A		20	787551	W1T	EET CHI	09/26/24 16:11
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:22
Total/NA	Analysis	SM 4500 CI- E		10	786127	TR	EET CHI	09/15/24 14:44
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 15:48

Client Sample ID: MW-02

Date Collected: 09/10/24 13:15

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:12

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-02

Date Collected: 09/10/24 13:15

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 12:10
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:47
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 16:26
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:25
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:25
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 15:53

Client Sample ID: MW-03

Date Collected: 09/10/24 14:37

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:39
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 12:44
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:49
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 16:41
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:27
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:25
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:07

Client Sample ID: MW-04

Date Collected: 09/10/24 15:44

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:42
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 12:46
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:51
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 16:56
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:30
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:25
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:11

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-05

Date Collected: 09/10/24 11:48

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:44
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 12:55
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 09:04
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 17:42
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:33
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:25
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:16

Client Sample ID: MW-06

Date Collected: 09/10/24 11:08

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:46
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 12:58
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 09:06
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 17:57
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:35
Total/NA	Analysis	SM 4500 CI- E		5	786127	TR	EET CHI	09/15/24 14:26
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:21

Client Sample ID: MW-07

Date Collected: 09/10/24 10:13

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:48
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:01
Total/NA	Prep	7470A			788105	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 09:08
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 18:12
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:38
Total/NA	Analysis	SM 4500 CI- E		5	786127	TR	EET CHI	09/15/24 14:26
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:25

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-21D

Date Collected: 09/10/24 09:02

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:55
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:03
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787840	RN	EET CHI	09/25/24 12:30
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 07:54
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 18:27
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:40
Total/NA	Analysis	SM 4500 CI- E		5	786127	TR	EET CHI	09/15/24 14:28
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:29

Client Sample ID: Duplicate

Date Collected: 09/10/24 00:00

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 17:58
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:05
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787840	RN	EET CHI	09/25/24 12:32
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 07:57
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 18:42
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:43
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:28
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:34

Client Sample ID: MW-12R

Date Collected: 09/11/24 15:14

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:00
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:08
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787840	RN	EET CHI	09/25/24 12:34
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 07:59

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-12R

Date Collected: 09/11/24 15:14

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 18:58
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:45
Total/NA	Analysis	SM 4500 CI- E		5	786127	TR	EET CHI	09/15/24 14:28
Total/NA	Analysis	SM 4500 F C		1	786738	SO	EET CHI	09/18/24 16:38

Client Sample ID: MW-10

Date Collected: 09/11/24 13:58

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:02
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:10
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 14:59
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:09
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 19:13
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:48
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:29
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 14:52

Client Sample ID: MW-01

Date Collected: 09/11/24 12:29

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:04
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:12
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:01
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:11
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 19:28
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:51
Total/NA	Analysis	SM 4500 CI- E		2	786127	TR	EET CHI	09/15/24 14:29
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:08

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-09

Date Collected: 09/11/24 08:38

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:07
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:14
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:04
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:13
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 19:43
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:53
Total/NA	Analysis	SM 4500 CI- E		1	786921	TR	EET CHI	09/19/24 13:00
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:13

Client Sample ID: MW-16

Date Collected: 09/11/24 10:00

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:09
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:17
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:06
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:21
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 19:58
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:56
Total/NA	Analysis	SM 4500 CI- E		1	786921	TR	EET CHI	09/19/24 13:00
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:17

Client Sample ID: MW-08

Date Collected: 09/11/24 11:21

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:11
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:23
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:08
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:23

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-08

Date Collected: 09/11/24 11:21

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		5	787551	W1T	EET CHI	09/26/24 20:44
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 00:58
Total/NA	Analysis	SM 4500 CI- E		5	786921	TR	EET CHI	09/19/24 13:44
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:33

Client Sample ID: Duplicate

Date Collected: 09/11/24 00:00

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:13
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:26
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:11
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:26
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 20:59
Total/NA	Analysis	SM 2540C		1	785866	CLB	EET CHI	09/13/24 01:01
Total/NA	Analysis	SM 4500 CI- E		2	786921	TR	EET CHI	09/19/24 13:45
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:38

Client Sample ID: MW-22

Date Collected: 09/12/24 13:31

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:16
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:28
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:18
Total/NA	Prep	7470A			788106	MJG	EET CHI	09/27/24 12:05 - 09/27/24 14:05 ¹
Total/NA	Analysis	7470A		1	788356	MJG	EET CHI	09/30/24 08:28
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 21:14
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:25
Total/NA	Analysis	SM 4500 CI- E		1	786921	TR	EET CHI	09/19/24 13:01
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:42

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-23

Date Collected: 09/12/24 14:18

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:22
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:30
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:20
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:00
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 21:29
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:31
Total/NA	Analysis	SM 4500 CI- E		1	786921	TR	EET CHI	09/19/24 13:01
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:47

Client Sample ID: MW-18

Date Collected: 09/12/24 12:14

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:25
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:33
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:23
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:02
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/26/24 22:45
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:33
Total/NA	Analysis	SM 4500 CI- E		5	786921	TR	EET CHI	09/19/24 13:45
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 15:52

Client Sample ID: MW-17

Date Collected: 09/12/24 11:23

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:27
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:35
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:25
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:04

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-17

Date Collected: 09/12/24 11:23

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9056A		20	787551	W1T	EET CHI	09/27/24 00:01
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:36
Total/NA	Analysis	SM 4500 CI- E		5	786921	TR	EET CHI	09/19/24 13:45
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:05

Client Sample ID: MW-13

Date Collected: 09/12/24 10:20

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787453	RN	EET CHI	09/23/24 18:29
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	787678	RN	EET CHI	09/24/24 13:37
Total Recoverable	Prep	3005A			786842	BDE	EET CHI	09/19/24 09:04 - 09/19/24 15:04 ¹
Total Recoverable	Analysis	6020B		1	788038	RN	EET CHI	09/26/24 15:27
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:06
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/27/24 00:17
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:38
Total/NA	Analysis	SM 4500 CI- E		5	786921	TR	EET CHI	09/19/24 13:46
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:10

Client Sample ID: MW-20

Date Collected: 09/12/24 09:34

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:41
Total/NA	Analysis	SM 4500 CI- E		2	786921	TR	EET CHI	09/19/24 13:46
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:14

Client Sample ID: MW-21

Date Collected: 09/12/24 09:05

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:44
Total/NA	Analysis	SM 4500 CI- E		1	786921	TR	EET CHI	09/19/24 13:02
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:19

Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-20

Date Collected: 09/10/24 09:30

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787251	RN	EET CHI	09/20/24 18:42
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787347	RN	EET CHI	09/23/24 12:32
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:08
Total/NA	Analysis	9056A		20	787551	W1T	EET CHI	09/27/24 00:32

Client Sample ID: MW-21

Date Collected: 09/10/24 08:36

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787251	RN	EET CHI	09/20/24 18:44
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787347	RN	EET CHI	09/23/24 12:35
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:10
Total/NA	Analysis	9056A		1	787551	W1T	EET CHI	09/27/24 00:47

Client Sample ID: MW-19

Date Collected: 09/13/24 08:44

Date Received: 09/14/24 10:25

Lab Sample ID: 500-256375-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787251	RN	EET CHI	09/20/24 18:46
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787347	RN	EET CHI	09/23/24 12:37
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:13
Total/NA	Analysis	9056A		10	787551	W1T	EET CHI	09/27/24 01:02
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:46
Total/NA	Analysis	SM 4500 Cl- E		1	786921	TR	EET CHI	09/19/24 13:02
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:34

Client Sample ID: MW-18A

Date Collected: 09/12/24 12:33

Date Received: 09/14/24 10:25

Lab Sample ID: 500-256375-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787251	RN	EET CHI	09/20/24 18:49

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Lab Chronicle

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

Job ID: 500-256375-1

Client Sample ID: MW-18A

Lab Sample ID: 500-256375-30

Date Collected: 09/12/24 12:33

Matrix: Water

Date Received: 09/14/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			787045	BDE	EET CHI	09/20/24 09:02 - 09/20/24 15:02 ¹
Total Recoverable	Analysis	6020B		1	787347	RN	EET CHI	09/23/24 12:39
Total/NA	Prep	7470A			788343	MJG	EET CHI	09/30/24 11:45 - 09/30/24 13:45 ¹
Total/NA	Analysis	7470A		1	788552	MJG	EET CHI	10/01/24 07:25
Total/NA	Analysis	9056A		20	788163	MM	EET CHI	09/28/24 11:09
Total/NA	Analysis	SM 2540C		1	786105	CLB	EET CHI	09/15/24 07:49
Total/NA	Analysis	SM 4500 Cl- E		5	786921	TR	EET CHI	09/19/24 13:46
Total/NA	Analysis	SM 4500 F C		1	787461	SO	EET CHI	09/23/24 16:39

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: Powerton CCR

Job ID: 500-256375-1

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/16/2024 11:36:55 AM

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-256375-2

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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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	32
QC Association	33
QC Sample Results	35
Chain of Custody	41
Receipt Checklists	53
Chronicle	58
Certification Summary	65
Tracer Carrier Summary	66

Case Narrative

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

Job ID: 500-256375-2

Job ID: 500-256375-2

Eurofins Chicago

Job Narrative 500-256375-2

Receipt

The samples were received on 9/10/2024 9:55 AM, 9/11/2024 9:35 AM, 9/12/2024 9:30 AM, 9/13/2024 9:50 AM and 9/14/2024 10:25 AM. 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, 1.2°C, 1.2°C, 2.3°C, 2.4°C, 3.2°C, 5.1°C, 5.9°C and 8.4°C.

Receipt Exceptions

The following sample(s) was received at the laboratory outside the required temperature criteria: cooler temp:8.1°C, water present in cooler. Cooler contained all containers for sample #13 MW-10, #15 MW-09, #16 MW-16 and #17 MW08.

Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 160-680013:

The detection goal was not met for the following sample due to the reduction of sample size required by the presence of matrix interferences (yellow discoloration noted in the initial prep): MW-18 (500-256375-21). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 Prep Batch 160-680013:

The laboratory control sample (LCS) associated with the following samples recovered at 126%: MW-21D (500-256375-10), Duplicate (500-256375-11), MW-12R (500-256375-12), MW-10 (500-256375-13), MW-01 (500-256375-14), MW-09 (500-256375-15), MW-16 (500-256375-16), MW-08 (500-256375-17), Duplicate (500-256375-18), MW-22 (500-256375-19), MW-23 (500-256375-20), MW-18 (500-256375-21), MW-17 (500-256375-22), MW-13 (500-256375-23), MW-19 (500-256375-28), (240-211133-G-6-B), (240-211133-H-6-C MS) and (240-211133-H-6-D MSD). 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 (69-145%). The LCS is within criteria and no further action is required.

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: Powerton CCR (RAD)

Job ID: 500-256375-2

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: Powerton CCR (RAD)

Job ID: 500-256375-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-256375-1	MW-11	Water	09/09/24 14:13	09/10/24 09:55
500-256375-2	MW-14	Water	09/09/24 12:05	09/10/24 09:55
500-256375-3	MW-15	Water	09/09/24 13:07	09/10/24 09:55
500-256375-4	MW-02	Water	09/10/24 13:15	09/11/24 09:35
500-256375-5	MW-03	Water	09/10/24 14:37	09/11/24 09:35
500-256375-6	MW-04	Water	09/10/24 15:44	09/11/24 09:35
500-256375-7	MW-05	Water	09/10/24 11:48	09/11/24 09:35
500-256375-8	MW-06	Water	09/10/24 11:08	09/11/24 09:35
500-256375-9	MW-07	Water	09/10/24 10:13	09/11/24 09:35
500-256375-10	MW-21D	Water	09/10/24 09:02	09/11/24 09:35
500-256375-11	Duplicate	Water	09/10/24 00:00	09/11/24 09:35
500-256375-12	MW-12R	Water	09/11/24 15:14	09/12/24 09:30
500-256375-13	MW-10	Water	09/11/24 13:58	09/12/24 09:30
500-256375-14	MW-01	Water	09/11/24 12:29	09/12/24 09:30
500-256375-15	MW-09	Water	09/11/24 08:38	09/12/24 09:30
500-256375-16	MW-16	Water	09/11/24 10:00	09/12/24 09:30
500-256375-17	MW-08	Water	09/11/24 11:21	09/12/24 09:30
500-256375-18	Duplicate	Water	09/11/24 00:00	09/12/24 09:30
500-256375-19	MW-22	Water	09/12/24 13:31	09/13/24 09:50
500-256375-20	MW-23	Water	09/12/24 14:18	09/13/24 09:50
500-256375-21	MW-18	Water	09/12/24 12:14	09/13/24 09:50
500-256375-22	MW-17	Water	09/12/24 11:23	09/13/24 09:50
500-256375-23	MW-13	Water	09/12/24 10:20	09/13/24 09:50
500-256375-28	MW-19	Water	09/13/24 08:44	09/14/24 10:25
500-256375-29	MW-18A	Water	09/13/24 09:13	09/14/24 10:25

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-11

Lab Sample ID: 500-256375-1

Date Collected: 09/09/24 14:13

Matrix: Water

Date Received: 09/10/24 09:55

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	0.107	U	0.110	0.111	1.00	0.174	pCi/L	09/12/24 08:25	10/07/24 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					09/12/24 08:25	10/07/24 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.815		0.418	0.425	1.00	0.582	pCi/L	09/12/24 08:31	10/04/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					09/12/24 08:31	10/04/24 12:21	1
Y Carrier	85.2		30 - 110					09/12/24 08:31	10/04/24 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	0.922		0.432	0.439	5.00	0.582	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-14

Lab Sample ID: 500-256375-2

Date Collected: 09/09/24 12:05

Matrix: Water

Date Received: 09/10/24 09:55

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	0.163	U	0.123	0.124	1.00	0.178	pCi/L	09/12/24 08:25	10/07/24 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110					09/12/24 08:25	10/07/24 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.420	U	0.320	0.322	1.00	0.489	pCi/L	09/12/24 08:31	10/04/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110					09/12/24 08:31	10/04/24 12:20	1
Y Carrier	87.5		30 - 110					09/12/24 08:31	10/04/24 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	0.584		0.343	0.345	5.00	0.489	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-15

Lab Sample ID: 500-256375-3

Date Collected: 09/09/24 13:07

Matrix: Water

Date Received: 09/10/24 09:55

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	0.108	U	0.106	0.107	1.00	0.165	pCi/L	09/12/24 08:25	10/07/24 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/12/24 08:25	10/07/24 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.522		0.341	0.345	1.00	0.501	pCi/L	09/12/24 08:31	10/04/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		30 - 110					09/12/24 08:31	10/04/24 12:21	1
Y Carrier	86.4		30 - 110					09/12/24 08:31	10/04/24 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	0.629		0.357	0.361	5.00	0.501	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-02

Lab Sample ID: 500-256375-4

Date Collected: 09/10/24 13:15

Matrix: Water

Date Received: 09/11/24 09:35

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	0.0293	U	0.0845	0.0845	1.00	0.159	pCi/L	09/13/24 08:10	10/07/24 09:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					09/13/24 08:10	10/07/24 09:52	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	0.0269	U	0.374	0.374	1.00	0.689	pCi/L	09/13/24 08:20	10/03/24 13:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					09/13/24 08:20	10/03/24 13:45	1
Y Carrier	76.6		30 - 110					09/13/24 08:20	10/03/24 13:45	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	0.0562	U	0.383	0.383	5.00	0.689	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-03

Lab Sample ID: 500-256375-5

Date Collected: 09/10/24 14:37

Matrix: Water

Date Received: 09/11/24 09:35

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	-0.0670	U	0.0450	0.0454	1.00	0.143	pCi/L	09/13/24 08:10	10/07/24 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					09/13/24 08:10	10/07/24 09:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.103	U	0.360	0.360	1.00	0.684	pCi/L	09/13/24 08:20	10/03/24 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					09/13/24 08:20	10/03/24 13:46	1
Y Carrier	78.9		30 - 110					09/13/24 08:20	10/03/24 13:46	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	-0.170	U	0.363	0.363	5.00	0.684	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-04

Lab Sample ID: 500-256375-6

Date Collected: 09/10/24 15:44

Matrix: Water

Date Received: 09/11/24 09:35

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	0.0152	U	0.0666	0.0667	1.00	0.132	pCi/L	09/13/24 08:10	10/07/24 09:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					09/13/24 08:10	10/07/24 09:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.697		0.367	0.373	1.00	0.509	pCi/L	09/13/24 08:20	10/03/24 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					09/13/24 08:20	10/03/24 13:46	1
Y Carrier	77.8		30 - 110					09/13/24 08:20	10/03/24 13:46	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	0.712		0.373	0.379	5.00	0.509	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-05

Lab Sample ID: 500-256375-7

Date Collected: 09/10/24 11:48

Matrix: Water

Date Received: 09/11/24 09:35

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	1.11		0.192	0.217	1.00	0.130	pCi/L	09/17/24 08:15	10/10/24 22:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					09/17/24 08:15	10/10/24 22:10	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	1.63		0.457	0.481	1.00	0.518	pCi/L	09/17/24 12:58	10/03/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					09/17/24 12:58	10/03/24 11:31	1
Y Carrier	80.7		30 - 110					09/17/24 12:58	10/03/24 11:31	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	2.74		0.496	0.528	5.00	0.518	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-06

Lab Sample ID: 500-256375-8

Date Collected: 09/10/24 11:08

Matrix: Water

Date Received: 09/11/24 09:35

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	1.30		0.214	0.244	1.00	0.131	pCi/L	09/17/24 08:15	10/10/24 22:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					09/17/24 08:15	10/10/24 22:09	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	0.638		0.375	0.379	1.00	0.544	pCi/L	09/17/24 12:58	10/03/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					09/17/24 12:58	10/03/24 11:31	1
Y Carrier	81.5		30 - 110					09/17/24 12:58	10/03/24 11:31	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		0.432	0.451	5.00	0.544	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-07

Lab Sample ID: 500-256375-9

Date Collected: 09/10/24 10:13

Matrix: Water

Date Received: 09/11/24 09:35

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	3.71		0.481	0.585	1.00	0.211	pCi/L	09/17/24 08:15	10/10/24 22:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					09/17/24 08:15	10/10/24 22:10	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	2.59		0.833	0.866	1.00	0.979	pCi/L	09/17/24 12:58	10/03/24 11:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					09/17/24 12:58	10/03/24 11:31	1
Y Carrier	81.9		30 - 110					09/17/24 12:58	10/03/24 11:31	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	6.30		0.962	1.05	5.00	0.979	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-21D

Lab Sample ID: 500-256375-10

Date Collected: 09/10/24 09:02

Matrix: Water

Date Received: 09/11/24 09:35

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	0.122	U	0.108	0.108	1.00	0.162	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.291	U	0.366	0.367	1.00	0.607	pCi/L	09/18/24 08:11	10/07/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					09/18/24 08:11	10/07/24 12:37	1
Y Carrier	78.9		30 - 110					09/18/24 08:11	10/07/24 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	0.414	U	0.382	0.383	5.00	0.607	pCi/L		10/15/24 16:23	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: Duplicate

Lab Sample ID: 500-256375-11

Date Collected: 09/10/24 00:00

Matrix: Water

Date Received: 09/11/24 09:35

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	0.0973	U	0.120	0.120	1.00	0.199	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0908	U	0.304	0.304	1.00	0.545	pCi/L	09/18/24 08:11	10/07/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.0		30 - 110					09/18/24 08:11	10/07/24 12:37	1
Y Carrier	78.5		30 - 110					09/18/24 08:11	10/07/24 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	0.188	U	0.327	0.327	5.00	0.545	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-12R

Lab Sample ID: 500-256375-12

Date Collected: 09/11/24 15:14

Matrix: Water

Date Received: 09/12/24 09:30

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	0.364		0.150	0.154	1.00	0.159	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.119	U	0.382	0.383	1.00	0.684	pCi/L	09/18/24 08:11	10/07/24 12:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.4		30 - 110					09/18/24 08:11	10/07/24 12:37	1
Y Carrier	77.0		30 - 110					09/18/24 08:11	10/07/24 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	0.483	U	0.410	0.413	5.00	0.684	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-10

Lab Sample ID: 500-256375-13

Date Collected: 09/11/24 13:58

Matrix: Water

Date Received: 09/12/24 09:30

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	0.604		0.233	0.239	1.00	0.247	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.728	U	0.577	0.581	1.00	0.897	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	78.5		30 - 110					09/18/24 08:11	10/07/24 12:36	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	1.33		0.622	0.628	5.00	0.897	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-01

Lab Sample ID: 500-256375-14

Date Collected: 09/11/24 12:29

Matrix: Water

Date Received: 09/12/24 09:30

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	0.0352	U	0.0828	0.0828	1.00	0.152	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.232	U	0.325	0.325	1.00	0.546	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	80.7		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.267	U	0.335	0.335	5.00	0.546	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-09

Lab Sample ID: 500-256375-15

Date Collected: 09/11/24 08:38

Matrix: Water

Date Received: 09/12/24 09:30

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	0.134	U	0.126	0.127	1.00	0.196	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0462	U	0.398	0.398	1.00	0.735	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	72.9		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.180	U	0.417	0.418	5.00	0.735	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-16

Lab Sample ID: 500-256375-16

Date Collected: 09/11/24 10:00

Matrix: Water

Date Received: 09/12/24 09:30

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	0.0483	U	0.126	0.126	1.00	0.227	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.193	U	0.432	0.432	1.00	0.754	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	73.6		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.242	U	0.450	0.450	5.00	0.754	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-08

Lab Sample ID: 500-256375-17

Date Collected: 09/11/24 11:21

Matrix: Water

Date Received: 09/12/24 09:30

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	0.0938	U	0.135	0.135	1.00	0.228	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0741	U	0.367	0.367	1.00	0.666	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.4		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	78.5		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.168	U	0.391	0.391	5.00	0.666	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: Duplicate

Lab Sample ID: 500-256375-18

Date Collected: 09/11/24 00:00

Matrix: Water

Date Received: 09/12/24 09:30

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	0.0743	U	0.0927	0.0930	1.00	0.153	pCi/L	09/18/24 08:01	10/10/24 22:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					09/18/24 08:01	10/10/24 22:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0161	U	0.282	0.282	1.00	0.539	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	76.3		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.0905	U	0.297	0.297	5.00	0.539	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-22

Lab Sample ID: 500-256375-19

Date Collected: 09/12/24 13:31

Matrix: Water

Date Received: 09/13/24 09:50

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	0.219		0.123	0.125	1.00	0.155	pCi/L	09/18/24 08:01	10/10/24 22:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					09/18/24 08:01	10/10/24 22:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0346	U	0.371	0.371	1.00	0.698	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.9		30 - 110					09/18/24 08:11	10/07/24 12:36	1
Y Carrier	77.8		30 - 110					09/18/24 08:11	10/07/24 12:36	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	0.184	U	0.391	0.391	5.00	0.698	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-23

Lab Sample ID: 500-256375-20

Date Collected: 09/12/24 14:18

Matrix: Water

Date Received: 09/13/24 09:50

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	0.0325	U	0.148	0.148	1.00	0.275	pCi/L	09/18/24 08:01	10/10/24 22:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					09/18/24 08:01	10/10/24 22:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.647	U	0.507	0.511	1.00	0.784	pCi/L	09/18/24 08:11	10/07/24 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					09/18/24 08:11	10/07/24 12:39	1
Y Carrier	80.7		30 - 110					09/18/24 08:11	10/07/24 12:39	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	0.680	U	0.528	0.532	5.00	0.784	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-18

Lab Sample ID: 500-256375-21

Date Collected: 09/12/24 12:14

Matrix: Water

Date Received: 09/13/24 09:50

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	0.280		0.179	0.181	1.00	0.236	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.2		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.419	U G	0.508	0.509	1.00	1.10	pCi/L	09/18/24 08:11	10/07/24 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.2		30 - 110					09/18/24 08:11	10/07/24 12:39	1
Y Carrier	71.4		30 - 110					09/18/24 08:11	10/07/24 12:39	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	-0.140	U	0.539	0.540	5.00	1.10	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-17

Lab Sample ID: 500-256375-22

Date Collected: 09/12/24 11:23

Matrix: Water

Date Received: 09/13/24 09:50

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	0.0443	U	0.0936	0.0937	1.00	0.170	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.131	U	0.353	0.353	1.00	0.709	pCi/L	09/18/24 08:11	10/07/24 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					09/18/24 08:11	10/07/24 12:39	1
Y Carrier	71.4		30 - 110					09/18/24 08:11	10/07/24 12:39	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	-0.0870	U	0.365	0.365	5.00	0.709	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-13

Lab Sample ID: 500-256375-23

Date Collected: 09/12/24 10:20

Matrix: Water

Date Received: 09/13/24 09:50

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	0.207		0.132	0.133	1.00	0.174	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.5		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.446	U	0.488	0.490	1.00	0.797	pCi/L	09/18/24 08:11	10/07/24 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.5		30 - 110					09/18/24 08:11	10/07/24 12:39	1
Y Carrier	77.4		30 - 110					09/18/24 08:11	10/07/24 12:39	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	0.653	U	0.506	0.508	5.00	0.797	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-19

Lab Sample ID: 500-256375-28

Date Collected: 09/13/24 08:44

Matrix: Water

Date Received: 09/14/24 10:25

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	0.0782	U	0.0898	0.0901	1.00	0.145	pCi/L	09/18/24 08:01	10/10/24 22:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					09/18/24 08:01	10/10/24 22:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.384	0.386	1.00	0.618	pCi/L	09/18/24 08:11	10/07/24 12:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					09/18/24 08:11	10/07/24 12:39	1
Y Carrier	83.4		30 - 110					09/18/24 08:11	10/07/24 12:39	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	0.474	U	0.394	0.396	5.00	0.618	pCi/L		10/15/24 16:41	1

Client Sample Results

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

Job ID: 500-256375-2

Client Sample ID: MW-18A

Lab Sample ID: 500-256375-29

Date Collected: 09/13/24 09:13

Matrix: Water

Date Received: 09/14/24 10:25

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	0.225		0.142	0.143	1.00	0.188	pCi/L	09/19/24 08:34	10/11/24 09:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	109		30 - 110					09/19/24 08:34	10/11/24 09:48	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	0.533	U	0.600	0.602	1.00	0.983	pCi/L	09/19/24 08:38	10/04/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	109		30 - 110					09/19/24 08:38	10/04/24 12:17	1
Y Carrier	82.6		30 - 110					09/19/24 08:38	10/04/24 12:17	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	0.758	U	0.617	0.619	5.00	0.983	pCi/L		10/15/24 16:41	1

Definitions/Glossary

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

Job ID: 500-256375-2

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: Powerton CCR (RAD)

Job ID: 500-256375-2

Rad

Prep Batch: 679171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	PrecSep-21	
500-256375-2	MW-14	Total/NA	Water	PrecSep-21	
500-256375-3	MW-15	Total/NA	Water	PrecSep-21	
MB 160-679171/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-679171/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-256375-1 DU	MW-11	Total/NA	Water	PrecSep-21	

Prep Batch: 679172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-1	MW-11	Total/NA	Water	PrecSep_0	
500-256375-2	MW-14	Total/NA	Water	PrecSep_0	
500-256375-3	MW-15	Total/NA	Water	PrecSep_0	
MB 160-679172/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-679172/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-256375-1 DU	MW-11	Total/NA	Water	PrecSep_0	

Prep Batch: 679302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-4	MW-02	Total/NA	Water	PrecSep-21	
500-256375-5	MW-03	Total/NA	Water	PrecSep-21	
500-256375-6	MW-04	Total/NA	Water	PrecSep-21	
MB 160-679302/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-679302/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-256375-4 DU	MW-02	Total/NA	Water	PrecSep-21	

Prep Batch: 679303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-4	MW-02	Total/NA	Water	PrecSep_0	
500-256375-5	MW-03	Total/NA	Water	PrecSep_0	
500-256375-6	MW-04	Total/NA	Water	PrecSep_0	
MB 160-679303/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-679303/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-256375-4 DU	MW-02	Total/NA	Water	PrecSep_0	

Prep Batch: 679743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-7	MW-05	Total/NA	Water	PrecSep-21	
500-256375-8	MW-06	Total/NA	Water	PrecSep-21	
500-256375-9	MW-07	Total/NA	Water	PrecSep-21	
MB 160-679743/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-679743/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 679776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-7	MW-05	Total/NA	Water	PrecSep_0	
500-256375-8	MW-06	Total/NA	Water	PrecSep_0	
500-256375-9	MW-07	Total/NA	Water	PrecSep_0	
MB 160-679776/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-679776/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

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QC Association Summary

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

Job ID: 500-256375-2

Rad

Prep Batch: 680012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-10	MW-21D	Total/NA	Water	PrecSep-21	
500-256375-11	Duplicate	Total/NA	Water	PrecSep-21	
500-256375-12	MW-12R	Total/NA	Water	PrecSep-21	
500-256375-13	MW-10	Total/NA	Water	PrecSep-21	
500-256375-14	MW-01	Total/NA	Water	PrecSep-21	
500-256375-15	MW-09	Total/NA	Water	PrecSep-21	
500-256375-16	MW-16	Total/NA	Water	PrecSep-21	
500-256375-17	MW-08	Total/NA	Water	PrecSep-21	
500-256375-18	Duplicate	Total/NA	Water	PrecSep-21	
500-256375-19	MW-22	Total/NA	Water	PrecSep-21	
500-256375-20	MW-23	Total/NA	Water	PrecSep-21	
500-256375-21	MW-18	Total/NA	Water	PrecSep-21	
500-256375-22	MW-17	Total/NA	Water	PrecSep-21	
500-256375-23	MW-13	Total/NA	Water	PrecSep-21	
500-256375-28	MW-19	Total/NA	Water	PrecSep-21	
MB 160-680012/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-680012/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 680013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-10	MW-21D	Total/NA	Water	PrecSep_0	
500-256375-11	Duplicate	Total/NA	Water	PrecSep_0	
500-256375-12	MW-12R	Total/NA	Water	PrecSep_0	
500-256375-13	MW-10	Total/NA	Water	PrecSep_0	
500-256375-14	MW-01	Total/NA	Water	PrecSep_0	
500-256375-15	MW-09	Total/NA	Water	PrecSep_0	
500-256375-16	MW-16	Total/NA	Water	PrecSep_0	
500-256375-17	MW-08	Total/NA	Water	PrecSep_0	
500-256375-18	Duplicate	Total/NA	Water	PrecSep_0	
500-256375-19	MW-22	Total/NA	Water	PrecSep_0	
500-256375-20	MW-23	Total/NA	Water	PrecSep_0	
500-256375-21	MW-18	Total/NA	Water	PrecSep_0	
500-256375-22	MW-17	Total/NA	Water	PrecSep_0	
500-256375-23	MW-13	Total/NA	Water	PrecSep_0	
500-256375-28	MW-19	Total/NA	Water	PrecSep_0	
MB 160-680013/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-680013/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 680086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-29	MW-18A	Total/NA	Water	PrecSep-21	
MB 160-680086/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-680086/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 680134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-256375-29	MW-18A	Total/NA	Water	PrecSep_0	
MB 160-680134/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-680134/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

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QC Sample Results

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

Job ID: 500-256375-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-679171/1-A

Matrix: Water

Analysis Batch: 682449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 679171

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03051	U	0.0721	0.0721	1.00	0.167	pCi/L	09/12/24 08:25	10/07/24 09:59	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					09/12/24 08:25	10/07/24 09:59	1

Lab Sample ID: LCS 160-679171/2-A

Matrix: Water

Analysis Batch: 682449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 679171

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	7.923		0.930	1.00	0.148	pCi/L	83	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	96.6		30 - 110							

Lab Sample ID: 500-256375-1 DU

Matrix: Water

Analysis Batch: 682449

Client Sample ID: MW-11

Prep Type: Total/NA

Prep Batch: 679171

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.107	U	0.1086	U	0.104	1.00	0.158	pCi/L	0.01	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	86.2		30 - 110							

Lab Sample ID: MB 160-679302/1-A

Matrix: Water

Analysis Batch: 682296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 679302

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02293	U	0.0660	0.0660	1.00	0.125	pCi/L	09/13/24 08:10	10/07/24 09:52	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					09/13/24 08:10	10/07/24 09:52	1

Lab Sample ID: LCS 160-679302/2-A

Matrix: Water

Analysis Batch: 682296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 679302

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	10.61		1.16	1.00	0.151	pCi/L	111	75 - 125

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QC Sample Results

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

Job ID: 500-256375-2

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

Lab Sample ID: LCS 160-679302/2-A
Matrix: Water
Analysis Batch: 682296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679302

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	87.6		30 - 110

Lab Sample ID: 500-256375-4 DU
Matrix: Water
Analysis Batch: 682296

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 679302

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0293	U	-0.03045	U	0.0609	1.00	0.143	pCi/L	0.41	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.8		30 - 110							

Lab Sample ID: MB 160-679743/1-A
Matrix: Water
Analysis Batch: 683026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679743

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.008702	U	0.0527	0.0527	1.00	0.115	pCi/L	09/17/24 08:15	10/10/24 20:24	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					09/17/24 08:15	10/10/24 20:24	1

Lab Sample ID: LCS 160-679743/2-A
Matrix: Water
Analysis Batch: 683026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679743

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	7.160		0.798	1.00	0.134	pCi/L	75	75 - 125
	LCS	LCS							
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	109		30 - 110						

Lab Sample ID: MB 160-680012/1-A
Matrix: Water
Analysis Batch: 683026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680012

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04668	U	0.0840	0.0841	1.00	0.149	pCi/L	09/18/24 08:01	10/10/24 22:19	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					09/18/24 08:01	10/10/24 22:19	1

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QC Sample Results

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

Job ID: 500-256375-2

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

Lab Sample ID: LCS 160-680012/2-A
Matrix: Water
Analysis Batch: 683026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680012

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.745		1.10	1.00	0.172	pCi/L	102	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.3		30 - 110							

Lab Sample ID: MB 160-680086/1-A
Matrix: Water
Analysis Batch: 683229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680086

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03107	U	0.0579	0.0580	1.00	0.103	pCi/L	09/19/24 08:34	10/11/24 08:08	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	107		30 - 110					09/19/24 08:34	10/11/24 08:08	1

Lab Sample ID: LCS 160-680086/2-A
Matrix: Water
Analysis Batch: 683229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680086

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.449		0.911	1.00	0.118	pCi/L	88	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	104		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-679172/1-A
Matrix: Water
Analysis Batch: 682220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679172

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6311		0.371	0.375	1.00	0.538	pCi/L	09/12/24 08:31	10/04/24 12:20	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					09/12/24 08:31	10/04/24 12:20	1
Y Carrier	87.5		30 - 110					09/12/24 08:31	10/04/24 12:20	1

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QC Sample Results

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

Job ID: 500-256375-2

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

Lab Sample ID: LCS 160-679172/2-A
Matrix: Water
Analysis Batch: 682220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679172

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.46	9.783		1.32	1.00	0.498	pCi/L	116	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	96.6		30 - 110							
Y Carrier	83.4		30 - 110							

Lab Sample ID: 500-256375-1 DU
Matrix: Water
Analysis Batch: 682220

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 679172

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.815		0.4299	U	0.375	1.00	0.589	pCi/L	0.48	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	86.2		30 - 110							
Y Carrier	87.9		30 - 110							

Lab Sample ID: MB 160-679303/1-A
Matrix: Water
Analysis Batch: 682005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679303

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02396	U	0.218	0.218	1.00	0.426	pCi/L	09/13/24 08:20	10/03/24 13:45	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					09/13/24 08:20	10/03/24 13:45	1
Y Carrier	82.6		30 - 110					09/13/24 08:20	10/03/24 13:45	1

Lab Sample ID: LCS 160-679303/2-A
Matrix: Water
Analysis Batch: 682005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679303

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.46	10.41		1.41	1.00	0.566	pCi/L	123	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.6		30 - 110							
Y Carrier	82.6		30 - 110							

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QC Sample Results

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

Job ID: 500-256375-2

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

Lab Sample ID: 500-256375-4 DU
Matrix: Water
Analysis Batch: 682005

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 679303

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.0269	U	-0.03440	U	0.292	1.00	0.564	pCi/L	0.09	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.8		30 - 110							
Y Carrier	70.3		30 - 110							

Lab Sample ID: MB 160-679776/1-A
Matrix: Water
Analysis Batch: 681995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 679776

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.9265		0.385	0.394	1.00	0.504	pCi/L	09/17/24 12:58	10/03/24 11:24	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.3		30 - 110							
Y Carrier	84.1		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/17/24 12:58	10/03/24 11:24	1
								09/17/24 12:58	10/03/24 11:24	1

Lab Sample ID: LCS 160-679776/2-A
Matrix: Water
Analysis Batch: 681995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 679776

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.46	9.005		1.17	1.00	0.409	pCi/L	106	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	109		30 - 110						
Y Carrier	83.4		30 - 110						

Lab Sample ID: MB 160-680013/1-A
Matrix: Water
Analysis Batch: 682449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680013

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.08479	U	0.263	0.263	1.00	0.476	pCi/L	09/18/24 08:11	10/07/24 12:36	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	97.0		30 - 110							
Y Carrier	79.6		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/18/24 08:11	10/07/24 12:36	1
								09/18/24 08:11	10/07/24 12:36	1

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QC Sample Results

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

Job ID: 500-256375-2

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

Lab Sample ID: LCS 160-680013/2-A
Matrix: Water
Analysis Batch: 682449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680013

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.45	10.63		1.46	1.00	0.609	pCi/L	126	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.3		30 - 110							
Y Carrier	78.1		30 - 110							

Lab Sample ID: MB 160-680134/1-A
Matrix: Water
Analysis Batch: 682221

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 680134

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02427	U	0.343	0.343	1.00	0.662	pCi/L	09/19/24 08:38	10/04/24 16:31	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	107		30 - 110							
Y Carrier	87.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/19/24 08:38	10/04/24 16:31	1
								09/19/24 08:38	10/04/24 16:31	1

Lab Sample ID: LCS 160-680134/2-A
Matrix: Water
Analysis Batch: 682116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 680134

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.46	9.044		1.21	1.00	0.454	pCi/L	107	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	104		30 - 110							
Y Carrier	85.6		30 - 110							

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Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Environment Testing

Client Information		Sampler Nicole Korman / Jack Misner		Lab PM Mockler, Diana J		Carrier Tracking No(s):		COC No. 500-126837-49657 2					
Client Contact: Kaelyn Sperle		Phone 262-622-1143		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin. IL		Page: Page 2 of 3					
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-256375			
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested STANDARD		 500-256375 COC						Preservation Codes: D - HNO3 N - None			
City: Brookfield		TAT Requested (days) STANDARD											
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No											
Phone: 262-781-0475(Tel)		PO #: 4502160845											
Email: kaelyns@kprginc.com		WO #:											
Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		Total Number of Containers						Other:			
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)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E	SM4500_SO4_E - Sulfate	Special Instructions/Note:	
MW-12					Water								
1 MW-13		9/9/24	1413	G	Water	N	N	X	X	X	X		
2 MW-14		9/9/24	1205	G	Water	N	N	X	X	X	X		
3 MW-15		9/9/24	1309	G	Water	N	N	X	X	X	X		
MW-16					Water								
MW-17					Water								
MW-18					Water								
MW-19					Water								
MW-20					Water								
MW-21					Water								
MW-21D					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: Nicole Korman			Date/Time: 9/9/24		Company		Received by: Stephanie Hernandez			Date/Time: 9/10/24 09:35		Company: EEIA	
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 6.0-5.9									

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Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Nikole Korman / Jack Mysner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-126837-49657 1															
Client Contact: Kaelyn Sperle		Phone: <u>202-622-1143</u>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin: <u>IL</u>		Page: Page 1 of 3															
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: <u>500-256375</u>													
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested: <u>STANDARD</u>		 500-256375 COC						Preservation Codes: D - HNO3 N - None													
City: Brookfield		TAT Requested (days): <u>STANDARD</u>								Other:													
State, Zip: WI, 53005		Compliance Project ☐ Yes ☐ No																					
Phone: 262-781-0475(Tel)		PO #: 4502160845																					
Email: kaelyns@kprginc.com		WO #:																					
Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		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)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		6020A, 7470A		2540C, 4500_F_C, SM4500_C1_E		SM4500_SO4_E - Sulfate			
MW-01								Water															
4 MW-02		9/10/24		1315		G		Water		N		N		X		X		X		X			
5 MW-03		9/10/24		1437		G		Water		N		N		X		X		X		X			
6 MW-04		9/10/24		1544		G		Water		N		N		X		X		X		X			
7 MW-05		9/10/24		1548		G		Water		N		N		X		X		X		X			
8 MW-06		9/10/24		1108		G		Water		N		N		X		X		X		X			
9 MW-07		9/10/24		1013		G		Water		N		N		X		X		X		X			
10 ~~MW-08~~ MW-21D		9/10/24		0902		G		Water		N		N		X		X		X		X			
11 ~~MW-09~~ Duplicate 1		9/10/24		-		G		Water		N		N		X		X		X		X			
MW-10								Water															
MW-11								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>Nikole Korman</u>				Date/Time: <u>9/10/24 1730</u>				Company: <u>KPRG</u>				Received by: <u>Stephanie Hernandez</u>				Date/Time: <u>9/11/24 0935</u>				Company: <u>EEHA</u>			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Relinquished by:				Date/Time:				Company:				Received by:				Date/Time:				Company:			
Custody Seals Intact				Custody Seal No				Cooler Temperature(s) °C and Other Remarks: <u>1.3+1.2, 2.4+2.3</u>															
☐ Yes ☐ No																							

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Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Nicole Korman / Jack Misner</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No. 500-126837-49657 2																			
Client Contact Kaelyn Sperle		Phone <i>262-602-1143</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin <i>IL</i>		Page Page 2 of 3																			
Company KPRG and Associates, Inc.		PWSID		Analysis Requested						Job # <i>500-256375</i>																	
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested <i>standard</i>		 500-256375 COC						Preservation Codes D HNO3 N None																	
City Brookfield		TAT Requested (days) <i>standard</i>								Other																	
State Zip WI, 53005		Compliance Project ☐ Yes ☐ No																									
Phone 262-781-0475(Tel)		PO # 4502160845																									
Email kaelyns@kprginc.com		WO #																									
Project Name Powerton CCR Event Desc. Quarterly Powerton CCR Sampling		Project # 50011612																									
Site Illinois		SSOW#																									
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		6020A, 7470A		2540C, 4500_F_C, SM4500_Cl_E		SM4500_SO4_E - Sulfate		Total Number of Containers		Special Instructions/Note:			
12 MW-12R		9/11/24		1514		G		Water		N		N		X		X		X		X				7			
13 MW-13 MW-10		9/11/24		1358		G		Water		N		N		X		X		X		X				7			
14 MW-14 MW-02		9/11/24		1229		G		Water		N		N		X		X		X		X				7			
15 MW-15 MW-09		9/11/24		0838		G		Water		N		N		X		X		X		X				7			
16 MW-16		9/11/24		1000		G		Water		N		N		X		X		X		X				7			
17 MW-17 MW-08		9/11/24		1121		G		Water		N		N		X		X		X		X				7			
18 MW-18 Duplicate 2		9/11/24		-		G		Water		N		N		X		X		X		X				7			
MW-19								Water																			
MW-20								Water																			
MW-21								Water																			
MW-21D								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>Nicole Korman</i>				Date/Time <i>9/11/24 1645</i>				Company <i>KPRG</i>				Received by <i>Stephanie Hemminger</i>				Date/Time <i>9/12/24 0930</i>				Company <i>EEIA</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>8.4 + 8.1, 0.8 + 0.7</i>																							

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Chain of Custody Record



Environment Testing

Client Information		Sampler: Nicole Kovna/Jack Misner		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-126837-49657 3															
Client Contact: Kaelyn Sperle		Phone: 262-622-1143		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: IL		Page 3 of 3															
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-256375													
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested: STANDARD		Preservation Codes: D - HNO3 N - None  500-256375 COC						Total Number of containers:													
City: Brookfield		TAT Requested (days): STANDARD																					
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☐ No																					
Phone: 262-781-0475 (Tel)		PO #: 4502160845																					
Email: kaelyns@kprginc.com		WO #:																					
Project Name: Powerton CCR Event Desc. Quarterly Powerton CCR Sampling		Project #: 60011612								Other:													
Site: Illinois		SSOW#:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		8020A, 7470A		2540C, 4500_F_C, SM4500_CLE		SM4500_SO4_E - Sulfate		Special Instructions/Note:	
MW-22		9/12/24		1331		G		Water		N		N		X		X		X		X			
MW-23		9/12/24		1418		G		Water		N		N		X		X		X		X			
Duplicate 1 MW-18		9/12/24		1214		G		Water		N		N		X		X		X		X			
Duplicate 2 MW-17		9/12/24		1123		G		Water		N		N		X		X		X		X			
MW-13		9/12/24		1020		G		Water		N		N		X		X		X		X			
MW-20		9/12/24		0934		G		water		N		N				X							
MW-21		9/12/24		0905		G		water		N		N				X							
MW-20		9/10/24		0930		G		water		N		N		X				X					
MW-21		9/10/24		0836		G		water		N		N		X				X					
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
Deliverable Requested: I, II, III, IV, Other (specify)		☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																					
Empty Kit Relinquished by		Date		Time		Method of Shipment:																	
Relinquished by: Nicole Kovna		Date/Time: 9/12/24 1530		Company: KPRG		Received by: Stephanie Hernandez		Date/Time: 9/13/24 0952		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: 1.3+1.2, 5.2+5.1, 3.3+3.2																			

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28
29
30

KARLYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ALING1: 25.00 LB MAN
CAD: 0780307/CAFE3808

P 11
489-34 MTH EX
585C7/4FF6/CC64

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



500-256375 Waybi

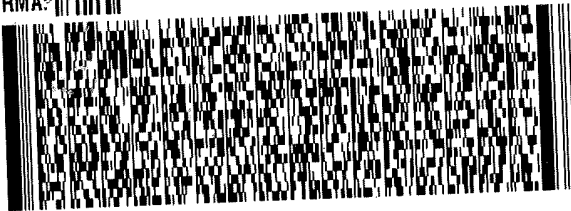
UNIVERSITY PARK IL 60484

(708) 684-6200
INU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



J241023112201 UN

FedEx
TRK# 4051 7963 0351
0221

TUE - 10 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48Q

60484
IL-US ORD



EXP 07/25

KARELYN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL1W61: 23.00 LB 11MM
CAD: 0780307/CAFE3808

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

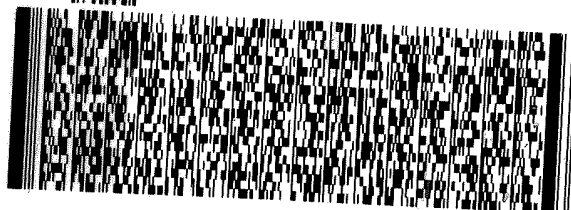
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA: ||| |||



FedEx
Express



TRK#
0221 4051 7963 0384

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx

TRK#
0221 4051 7963 0384

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD



A
0384
09.11

KARELYN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL1W61: 23.00 LB 11MM
CAD: 0780307/CAFE3808

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

UNIVERSITY PARK IL 60484

(708) 534-5200

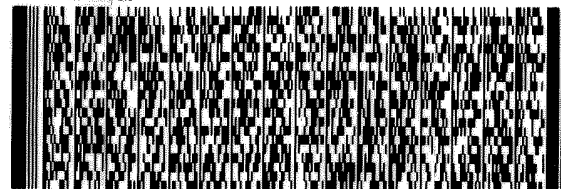
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DEPT:

INU:

PO:

RMA: ||| |||



FedEx
Express



TRK#
0221 4051 7963 0373

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx

TRK#
0221 4051 7963 0373

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484

IL-US

ORD



30
0373
09.11



500-256375 Waybl

KAEVYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB MM
CAD: 0780307/CAFE3808

Pat 15946 434 MTW EXP 02/26
58552/4FF/555

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

UNIVERSITY PARK IL 60484

(708) 534-5200

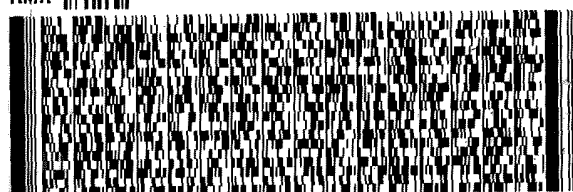
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INU:

DEPT:

PO:

RMA: 11111111



FedEx
Express



J24102211220A UN

FedEx

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0221

THU - 12 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484
IL-US ORD



KAEVYN SPERLE
KPRG AND ASSOC ATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 25.00 LB MM
CAD: 0780307/CAFE3808

Pat 15946 434 MTW EXP 02/26
58552/4FF/555

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

UNIVERSITY PARK IL 60484

(708) 534-5200

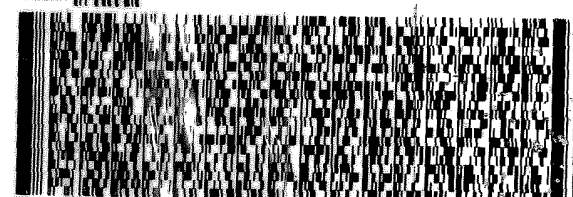
REF:

INU:

DEPT:

PO:

RMA: 11111111



FedEx
Express



J24102211220A UN

FedEx

TRK# 4051 7963 0421
0221

THU - 12 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

48QT

60484
IL-US ORD



KHELTN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 23.00 LB FIRM
CAD: 0780307/CAFE3808

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

UNIVERSITY PARK IL 60484

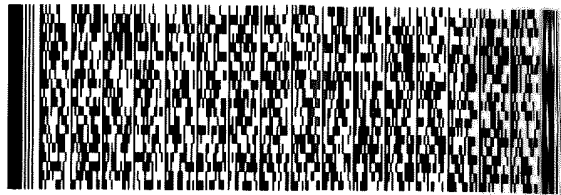
(708) 534-5200

REF:

INU:

DEPT:

RMA: 



FedEx
Express



J241023112201UY

TRK# 4051 7063 0465

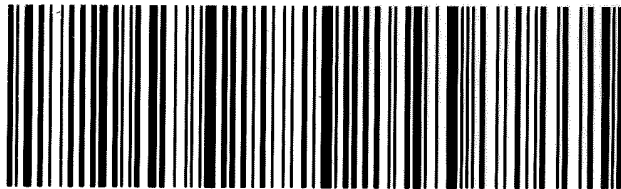
FedEx

TRK# 4051 7963 0465
0221

XP JOTA

RETURNS MON - SAT
PRIORITY OVERNIGHT
FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



583J2/4EF9/9AE3

KHELTN SPEKLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 23.00 LB FIRM
CAD: 0780307



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

500-256375 Waybi

UNIVERSITY PARK IL 60484

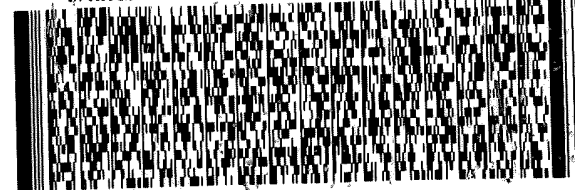
(708) 534-5200

REF:

INU:

DEPT:

RMA: 



FedEx
Express



J241023112201UY

TRK#

FedEx

TRK# 4051 7963 0454
0221

XP JOTA

RETURNS MON - SAT
FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



583J2/4EF9/9AE3

3 48 at

KARELYN SPERLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

HL
CAD.

RT 579
ST 22

346 -434 ATW EXF 01
SRCT2/4FF9/CEC4

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

UNIVERSITY PARK IL 60484

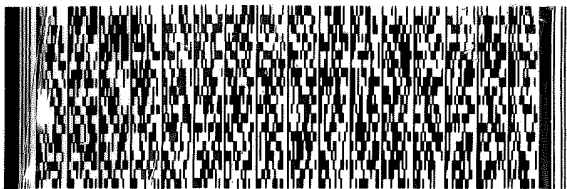
(708) 534-5200

REF:

INVT:
PO:

DEPT:

RMA: ||| ||| |||



FedEx
Express



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FedEx

TRK#
0221 4051 7963 0432

FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD

EXP 10/02/25



583J2/4EF9/9AE3



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: 500-256375-2

Login Number: 256375

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	5.9,1.2,2.3,8.1,0.7,1.2,5.1,3.2,2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-256375-2

Login Number: 256375

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 09/11/24 12:39 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	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-256375-2

Login Number: 256375

List Number: 3

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 09/12/24 01:29 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: 500-256375-2

Login Number: 256375

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 09/13/24 01:10 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: 500-256375-2

Login Number: 256375

List Number: 5

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 09/17/24 12:34 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: Powerton CCR (RAD)

Job ID: 500-256375-2

Client Sample ID: MW-11

Date Collected: 09/09/24 14:13

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679171	BCE	EET SL	09/12/24 08:25
Total/NA	Analysis	903.0		1	682449	CMM	EET SL	10/07/24 09:59
Total/NA	Prep	PrecSep_0			679172	BCE	EET SL	09/12/24 08:31
Total/NA	Analysis	904.0		1	682220	SCB	EET SL	10/04/24 12:21
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-14

Date Collected: 09/09/24 12:05

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679171	BCE	EET SL	09/12/24 08:25
Total/NA	Analysis	903.0		1	682449	CMM	EET SL	10/07/24 09:59
Total/NA	Prep	PrecSep_0			679172	BCE	EET SL	09/12/24 08:31
Total/NA	Analysis	904.0		1	682220	SCB	EET SL	10/04/24 12:20
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-15

Date Collected: 09/09/24 13:07

Date Received: 09/10/24 09:55

Lab Sample ID: 500-256375-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679171	BCE	EET SL	09/12/24 08:25
Total/NA	Analysis	903.0		1	682449	CMM	EET SL	10/07/24 09:59
Total/NA	Prep	PrecSep_0			679172	BCE	EET SL	09/12/24 08:31
Total/NA	Analysis	904.0		1	682220	SCB	EET SL	10/04/24 12:21
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-02

Date Collected: 09/10/24 13:15

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679302	BCE	EET SL	09/13/24 08:10
Total/NA	Analysis	903.0		1	682296	CMM	EET SL	10/07/24 09:52
Total/NA	Prep	PrecSep_0			679303	BCE	EET SL	09/13/24 08:20
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 13:45
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-03

Date Collected: 09/10/24 14:37

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679302	BCE	EET SL	09/13/24 08:10
Total/NA	Analysis	903.0		1	682296	CMM	EET SL	10/07/24 09:53
Total/NA	Prep	PrecSep_0			679303	BCE	EET SL	09/13/24 08:20
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 13:46
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-04

Date Collected: 09/10/24 15:44

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679302	BCE	EET SL	09/13/24 08:10
Total/NA	Analysis	903.0		1	682296	CMM	EET SL	10/07/24 09:53
Total/NA	Prep	PrecSep_0			679303	BCE	EET SL	09/13/24 08:20
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 13:46
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-05

Date Collected: 09/10/24 11:48

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679743	BCE	EET SL	09/17/24 08:15
Total/NA	Analysis	903.0		1	683028	FLC	EET SL	10/10/24 22:10
Total/NA	Prep	PrecSep_0			679776	BCE	EET SL	09/17/24 12:58
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 11:31
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-06

Date Collected: 09/10/24 11:08

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679743	BCE	EET SL	09/17/24 08:15
Total/NA	Analysis	903.0		1	683028	FLC	EET SL	10/10/24 22:09
Total/NA	Prep	PrecSep_0			679776	BCE	EET SL	09/17/24 12:58
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 11:31
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-07

Date Collected: 09/10/24 10:13

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			679743	BCE	EET SL	09/17/24 08:15
Total/NA	Analysis	903.0		1	683028	FLC	EET SL	10/10/24 22:10
Total/NA	Prep	PrecSep_0			679776	BCE	EET SL	09/17/24 12:58
Total/NA	Analysis	904.0		1	682005	FLC	EET SL	10/03/24 11:31
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: MW-21D

Date Collected: 09/10/24 09:02

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:23

Client Sample ID: Duplicate

Date Collected: 09/10/24 00:00

Date Received: 09/11/24 09:35

Lab Sample ID: 500-256375-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-12R

Date Collected: 09/11/24 15:14

Date Received: 09/12/24 09:30

Lab Sample ID: 500-256375-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:37
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-10

Lab Sample ID: 500-256375-13

Date Collected: 09/11/24 13:58

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-01

Lab Sample ID: 500-256375-14

Date Collected: 09/11/24 12:29

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-09

Lab Sample ID: 500-256375-15

Date Collected: 09/11/24 08:38

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-16

Lab Sample ID: 500-256375-16

Date Collected: 09/11/24 10:00

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-08

Lab Sample ID: 500-256375-17

Date Collected: 09/11/24 11:21

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	683026	FLC	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: Duplicate

Lab Sample ID: 500-256375-18

Date Collected: 09/11/24 00:00

Matrix: Water

Date Received: 09/12/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:19
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-22

Lab Sample ID: 500-256375-19

Date Collected: 09/12/24 13:31

Matrix: Water

Date Received: 09/13/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:19
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682451	CMM	EET SL	10/07/24 12:36
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-23

Lab Sample ID: 500-256375-20

Date Collected: 09/12/24 14:18

Matrix: Water

Date Received: 09/13/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:19
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682296	CMM	EET SL	10/07/24 12:39
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-18

Date Collected: 09/12/24 12:14

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682296	CMM	EET SL	10/07/24 12:39
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-17

Date Collected: 09/12/24 11:23

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682296	CMM	EET SL	10/07/24 12:39
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-13

Date Collected: 09/12/24 10:20

Date Received: 09/13/24 09:50

Lab Sample ID: 500-256375-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682296	CMM	EET SL	10/07/24 12:39
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Client Sample ID: MW-19

Date Collected: 09/13/24 08:44

Date Received: 09/14/24 10:25

Lab Sample ID: 500-256375-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680012	BCE	EET SL	09/18/24 08:01
Total/NA	Analysis	903.0		1	682913	SWS	EET SL	10/10/24 22:20
Total/NA	Prep	PrecSep_0			680013	BCE	EET SL	09/18/24 08:11
Total/NA	Analysis	904.0		1	682296	CMM	EET SL	10/07/24 12:39
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

Lab Chronicle

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

Job ID: 500-256375-2

Client Sample ID: MW-18A
Date Collected: 09/13/24 09:13
Date Received: 09/14/24 10:25

Lab Sample ID: 500-256375-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			680086	BCE	EET SL	09/19/24 08:34
Total/NA	Analysis	903.0		1	683125	FLC	EET SL	10/11/24 09:48
Total/NA	Prep	PrecSep_0			680134	BCE	EET SL	09/19/24 08:38
Total/NA	Analysis	904.0		1	682220	SCB	EET SL	10/04/24 12:17
Total/NA	Analysis	Ra226_Ra228		1	683555	EMH	EET SL	10/15/24 16:41

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: Powerton CCR (RAD)

Job ID: 500-256375-2

Laboratory: Eurofins St. Louis

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

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

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

Tracer/Carrier Summary

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

Job ID: 500-256375-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
500-256375-1	MW-11	86.9					
500-256375-1 DU	MW-11	86.2					
500-256375-2	MW-14	97.3					
500-256375-3	MW-15	90.6					
500-256375-4	MW-02	80.1					
500-256375-4 DU	MW-02	97.8					
500-256375-5	MW-03	90.3					
500-256375-6	MW-04	93.5					
500-256375-7	MW-05	101					
500-256375-8	MW-06	89.8					
500-256375-9	MW-07	96.8					
500-256375-10	MW-21D	88.1					
500-256375-11	Duplicate	96.0					
500-256375-12	MW-12R	80.4					
500-256375-13	MW-10	82.1					
500-256375-14	MW-01	91.8					
500-256375-15	MW-09	76.4					
500-256375-16	MW-16	79.9					
500-256375-17	MW-08	81.4					
500-256375-18	Duplicate	84.6					
500-256375-19	MW-22	85.9					
500-256375-20	MW-23	90.3					
500-256375-21	MW-18	69.2					
500-256375-22	MW-17	80.1					
500-256375-23	MW-13	72.5					
500-256375-28	MW-19	95.8					
500-256375-29	MW-18A	109					
LCS 160-679171/2-A	Lab Control Sample	96.6					
LCS 160-679302/2-A	Lab Control Sample	87.6					
LCS 160-679743/2-A	Lab Control Sample	109					
LCS 160-680012/2-A	Lab Control Sample	90.3					
LCS 160-680086/2-A	Lab Control Sample	104					
MB 160-679171/1-A	Method Blank	93.1					
MB 160-679302/1-A	Method Blank	99.5					
MB 160-679743/1-A	Method Blank	93.3					
MB 160-680012/1-A	Method Blank	97.0					
MB 160-680086/1-A	Method Blank	107					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
500-256375-1	MW-11	86.9	85.2				
500-256375-1 DU	MW-11	86.2	87.9				
500-256375-2	MW-14	97.3	87.5				

Eurofins Chicago

Tracer/Carrier Summary

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

Job ID: 500-256375-2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-256375-3	MW-15	90.6	86.4
500-256375-4	MW-02	80.1	76.6
500-256375-4 DU	MW-02	97.8	70.3
500-256375-5	MW-03	90.3	78.9
500-256375-6	MW-04	93.5	77.8
500-256375-7	MW-05	101	80.7
500-256375-8	MW-06	89.8	81.5
500-256375-9	MW-07	96.8	81.9
500-256375-10	MW-21D	88.1	78.9
500-256375-11	Duplicate	96.0	78.5
500-256375-12	MW-12R	80.4	77.0
500-256375-13	MW-10	82.1	78.5
500-256375-14	MW-01	91.8	80.7
500-256375-15	MW-09	76.4	72.9
500-256375-16	MW-16	79.9	73.6
500-256375-17	MW-08	81.4	78.5
500-256375-18	Duplicate	84.6	76.3
500-256375-19	MW-22	85.9	77.8
500-256375-20	MW-23	90.3	80.7
500-256375-21	MW-18	69.2	71.4
500-256375-22	MW-17	80.1	71.4
500-256375-23	MW-13	72.5	77.4
500-256375-28	MW-19	95.8	83.4
500-256375-29	MW-18A	109	82.6
LCS 160-679172/2-A	Lab Control Sample	96.6	83.4
LCS 160-679303/2-A	Lab Control Sample	87.6	82.6
LCS 160-679776/2-A	Lab Control Sample	109	83.4
LCS 160-680013/2-A	Lab Control Sample	90.3	78.1
LCS 160-680134/2-A	Lab Control Sample	104	85.6
MB 160-679172/1-A	Method Blank	93.1	87.5
MB 160-679303/1-A	Method Blank	99.5	82.6
MB 160-679776/1-A	Method Blank	93.3	84.1
MB 160-680013/1-A	Method Blank	97.0	79.6
MB 160-680134/1-A	Method Blank	107	87.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/13/2024 12:27:46 PM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-260461-1

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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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	32
QC Association	33
QC Sample Results	40
Chain of Custody	51
Receipt Checklists	64
Chronicle	65
Certification Summary	73



Case Narrative

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

Job ID: 500-260461-1

Job ID: 500-260461-1

Eurofins Chicago

Job Narrative 500-260461-1

Receipt

The samples were received on 11/20/24 10:00. 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 -2.0° C, -1.9° C, -1.8° C, -1.6° C, -0.7° C, -0.2° C, -0.2° C, 2.7° C and 5.5° C.

Receipt Exceptions

The reference method requires samples to have a pH of less than 2. The following sample was received with a pH of 7: MW-14 (500-260461-1). The samples were adjusted to the appropriate pH in the laboratory.

Affected containers:

E-1
G-1

Received sample 19 not on COC. Added to COC and logged in.

Metals

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

General Chemistry

Method 300.0: The matrix spike duplicate (MSD) recoveries for analytical batch 500-799158 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Eurofins Chicago

Method Summary

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

Job ID: 500-260461-1

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
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: Powerton CCR

Job ID: 500-260461-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-260461-1	MW-14	Water	11/18/24 13:45	11/20/24 10:00
500-260461-2	MW-15	Water	11/18/24 15:28	11/20/24 10:00
500-260461-3	MW-21D	Water	11/18/24 12:35	11/20/24 10:00
500-260461-4	Duplicate	Water	11/19/24 00:00	11/20/24 10:00
500-260461-5	MW-02	Water	11/19/24 11:02	11/20/24 10:00
500-260461-6	MW-03	Water	11/19/24 12:06	11/20/24 10:00
500-260461-7	MW-04	Water	11/19/24 13:55	11/20/24 10:00
500-260461-8	MW-05	Water	11/19/24 15:02	11/20/24 10:00
500-260461-9	MW-06	Water	11/19/24 16:09	11/20/24 10:00
500-260461-10	MW-18	Water	11/19/24 10:03	11/20/24 10:00
500-260461-11	MW-18A	Water	11/19/24 08:44	11/20/24 10:00
500-260461-12	MW-12R	Water	11/20/24 12:51	11/21/24 09:50
500-260461-13	MW-07	Water	11/20/24 09:08	11/21/24 09:50
500-260461-14	MW-09	Water	11/20/24 11:34	11/21/24 09:50
500-260461-15	MW-11	Water	11/20/24 14:07	11/21/24 09:50
500-260461-16	MW-16	Water	11/20/24 10:14	11/21/24 09:50
500-260461-17	MW-22	Water	11/20/24 15:28	11/21/24 09:50
500-260461-18	MW-19	Water	11/20/24 16:18	11/21/24 09:50
500-260461-19	Duplicate 2	Water	11/20/24 00:00	11/21/24 09:50
500-260461-20	MW-13	Water	11/21/24 09:27	11/22/24 09:35
500-260461-21	MW-17	Water	11/21/24 10:42	11/22/24 09:35
500-260461-22	MW-08	Water	11/21/24 12:09	11/22/24 09:35
500-260461-23	MW-01	Water	11/21/24 13:30	11/22/24 09:35
500-260461-24	MW-10	Water	11/21/24 15:14	11/22/24 09:35
500-260461-25	Duplicate 3	Water	11/21/24 00:00	11/22/24 09:35

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-14

Lab Sample ID: 500-260461-1

Date Collected: 11/18/24 13:45

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 09:13	12/06/24 19:13	1
Arsenic	0.0019		0.0010		mg/L		12/05/24 09:13	12/06/24 19:13	1
Barium	0.056		0.0025		mg/L		12/05/24 09:13	12/06/24 19:13	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 19:13	1
Boron	2.7		0.050		mg/L		12/05/24 09:13	12/09/24 13:51	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 19:13	1
Calcium	250		0.20		mg/L		12/05/24 09:13	12/06/24 19:13	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 09:13	12/06/24 19:13	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 19:13	1
Lead	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 19:13	1
Lithium	0.020		0.010		mg/L		12/05/24 09:13	12/06/24 19:13	1
Molybdenum	0.11		0.0050		mg/L		12/05/24 09:13	12/06/24 19:13	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 09:13	12/06/24 19:13	1
Thallium	0.0026		0.0020		mg/L		12/05/24 09:13	12/06/24 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		12/11/24 10:45	12/12/24 07:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	110		20		mg/L			12/12/24 17:18	20
Sulfate (EPA 300.0)	1700		100		mg/L			12/10/24 23:14	100
Total Dissolved Solids (SM 2540C)	3800		17		mg/L			11/22/24 09:12	1
Fluoride (SM 4500 F C)	1.3		0.10		mg/L			11/27/24 16:29	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-15

Lab Sample ID: 500-260461-2

Date Collected: 11/18/24 15:28

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 09:13	12/06/24 19:08	1
Arsenic	0.0065		0.0010		mg/L		12/05/24 09:13	12/06/24 19:08	1
Barium	0.049		0.0025		mg/L		12/05/24 09:13	12/06/24 19:08	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 19:08	1
Boron	1.2		0.050		mg/L		12/05/24 09:13	12/09/24 13:43	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 19:08	1
Calcium	180		0.20		mg/L		12/05/24 09:13	12/06/24 19:08	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 09:13	12/06/24 19:08	1
Cobalt	0.0017		0.0010		mg/L		12/05/24 09:13	12/06/24 19:08	1
Lead	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 19:08	1
Lithium	0.022		0.010		mg/L		12/05/24 09:13	12/06/24 19:08	1
Molybdenum	0.12		0.0050		mg/L		12/05/24 09:13	12/06/24 19:08	1
Selenium	0.0074		0.0025		mg/L		12/05/24 09:13	12/06/24 19:08	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 09:13	12/06/24 19:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 07:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	210		20		mg/L			12/11/24 00:01	20
Sulfate (EPA 300.0)	350		20		mg/L			12/11/24 00:01	20
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			11/22/24 09:15	1
Fluoride (SM 4500 F C)	0.42		0.10		mg/L			11/27/24 16:33	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-21D

Lab Sample ID: 500-260461-3

Date Collected: 11/18/24 12:35

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 09:13	12/06/24 19:10	1
Arsenic	0.0023		0.0010		mg/L		12/05/24 09:13	12/06/24 19:10	1
Barium	0.26		0.0025		mg/L		12/05/24 09:13	12/06/24 19:10	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 19:10	1
Boron	0.80		0.050		mg/L		12/05/24 09:13	12/09/24 13:47	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 19:10	1
Calcium	75		0.20		mg/L		12/05/24 09:13	12/06/24 19:10	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 09:13	12/06/24 19:10	1
Cobalt	0.0028		0.0010		mg/L		12/05/24 09:13	12/06/24 19:10	1
Lead	0.0023		0.00050		mg/L		12/05/24 09:13	12/06/24 19:10	1
Lithium	<0.010		0.010		mg/L		12/05/24 09:13	12/06/24 19:10	1
Molybdenum	0.025		0.0050		mg/L		12/05/24 09:13	12/06/24 19:10	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 09:13	12/06/24 19:10	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 09:13	12/06/24 19:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 07:57	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 00:16	10
Sulfate (EPA 300.0)	100		10		mg/L			12/11/24 00:16	10
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/22/24 09:18	1
Fluoride (SM 4500 F C)	0.48		0.10		mg/L			11/27/24 16:38	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: Duplicate

Lab Sample ID: 500-260461-4

Date Collected: 11/19/24 00:00

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:07	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:07	1
Barium	0.11		0.0025		mg/L		12/05/24 22:15	12/06/24 13:07	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:07	1
Boron	0.66		0.050		mg/L		12/05/24 22:15	12/06/24 13:07	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:07	1
Calcium	84		0.20		mg/L		12/05/24 22:15	12/06/24 13:07	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:07	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:07	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:07	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:07	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:07	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:07	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 07:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	59		5.0		mg/L			12/11/24 00:32	5
Sulfate (EPA 300.0)	47		5.0		mg/L			12/11/24 00:32	5
Total Dissolved Solids (SM 2540C)	510		10		mg/L			11/25/24 05:34	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			11/27/24 16:44	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-02

Lab Sample ID: 500-260461-5

Date Collected: 11/19/24 11:02

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:10	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:10	1
Barium	0.079		0.0025		mg/L		12/05/24 22:15	12/06/24 13:10	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:10	1
Boron	1.8		0.050		mg/L		12/05/24 22:15	12/06/24 13:10	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:10	1
Calcium	87		0.20		mg/L		12/05/24 22:15	12/06/24 13:10	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:10	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:10	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:10	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:10	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:10	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:10	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	60		5.0		mg/L			12/11/24 00:48	5
Sulfate (EPA 300.0)	49		5.0		mg/L			12/11/24 00:48	5
Total Dissolved Solids (SM 2540C)	510		10		mg/L			11/25/24 05:36	1
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			11/27/24 16:48	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-03

Lab Sample ID: 500-260461-6

Date Collected: 11/19/24 12:06

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:12	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:12	1
Barium	0.12		0.0025		mg/L		12/05/24 22:15	12/06/24 13:12	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:12	1
Boron	0.67		0.050		mg/L		12/05/24 22:15	12/06/24 13:12	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:12	1
Calcium	84		0.20		mg/L		12/05/24 22:15	12/06/24 13:12	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:12	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:12	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:12	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:12	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:12	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:12	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	58		5.0		mg/L			12/11/24 01:03	5
Sulfate (EPA 300.0)	48		5.0		mg/L			12/11/24 01:03	5
Total Dissolved Solids (SM 2540C)	510		10		mg/L			11/25/24 05:39	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			11/27/24 16:53	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-04

Lab Sample ID: 500-260461-7

Date Collected: 11/19/24 13:55

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:14	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:14	1
Barium	0.070		0.0025		mg/L		12/05/24 22:15	12/06/24 13:14	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:14	1
Boron	1.8		0.050		mg/L		12/05/24 22:15	12/06/24 13:14	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:14	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 13:14	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:14	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:14	1
Lead	0.0012		0.00050		mg/L		12/05/24 22:15	12/06/24 13:14	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:14	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:14	1
Selenium	0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:14	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	68		5.0		mg/L			12/11/24 01:50	5
Sulfate (EPA 300.0)	120		5.0		mg/L			12/11/24 01:50	5
Total Dissolved Solids (SM 2540C)	640		10		mg/L			11/25/24 05:42	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			12/02/24 15:39	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-05

Lab Sample ID: 500-260461-8

Date Collected: 11/19/24 15:02

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:17	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:17	1
Barium	0.044		0.0025		mg/L		12/05/24 22:15	12/06/24 13:17	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:17	1
Boron	1.8		0.050		mg/L		12/05/24 22:15	12/06/24 13:17	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:17	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 13:17	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:17	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:17	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:17	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:17	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:17	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:17	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	74		10		mg/L			12/11/24 02:06	10
Sulfate (EPA 300.0)	120		10		mg/L			12/11/24 02:06	10
Total Dissolved Solids (SM 2540C)	730		10		mg/L			11/25/24 05:44	1
Fluoride (SM 4500 F C)	0.27		0.10		mg/L			12/02/24 15:44	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-06

Lab Sample ID: 500-260461-9

Date Collected: 11/19/24 16:09

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:19	1
Arsenic	0.0028		0.0010		mg/L		12/05/24 22:15	12/06/24 13:19	1
Barium	0.071		0.0025		mg/L		12/05/24 22:15	12/06/24 13:19	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:19	1
Boron	0.27		0.050		mg/L		12/05/24 22:15	12/06/24 13:19	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:19	1
Calcium	96		0.20		mg/L		12/05/24 22:15	12/06/24 13:19	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:19	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:19	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:19	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:19	1
Molybdenum	0.011		0.0050		mg/L		12/05/24 22:15	12/06/24 13:19	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:19	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	150		10		mg/L			12/11/24 02:21	10
Sulfate (EPA 300.0)	290		10		mg/L			12/11/24 02:21	10
Total Dissolved Solids (SM 2540C)	950		10		mg/L			11/25/24 05:47	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			12/02/24 15:48	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-18

Lab Sample ID: 500-260461-10

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:26	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:26	1
Barium	0.13		0.0025		mg/L		12/05/24 22:15	12/06/24 13:26	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:26	1
Boron	0.59		0.050		mg/L		12/05/24 22:15	12/06/24 13:26	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:26	1
Calcium	130		0.20		mg/L		12/05/24 22:15	12/06/24 13:26	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:26	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:26	1
Lead	0.0017		0.00050		mg/L		12/05/24 22:15	12/06/24 13:26	1
Lithium	0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:26	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:26	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:26	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	170		5.0		mg/L			12/11/24 02:37	5
Sulfate (EPA 300.0)	73		5.0		mg/L			12/11/24 02:37	5
Total Dissolved Solids (SM 2540C)	990		10		mg/L			11/25/24 05:49	1
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			12/02/24 16:06	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-18A

Lab Sample ID: 500-260461-11

Date Collected: 11/19/24 08:44

Matrix: Water

Date Received: 11/20/24 10:00

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		12/05/24 22:15	12/06/24 13:29	1
Arsenic	0.0087		0.0010		mg/L		12/05/24 22:15	12/06/24 13:29	1
Barium	0.34		0.0025		mg/L		12/05/24 22:15	12/06/24 13:29	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:29	1
Boron	0.33		0.050		mg/L		12/05/24 22:15	12/06/24 13:29	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:29	1
Calcium	290		0.20		mg/L		12/05/24 22:15	12/06/24 13:29	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:29	1
Cobalt	0.0065		0.0010		mg/L		12/05/24 22:15	12/06/24 13:29	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:29	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:29	1
Molybdenum	0.0086		0.0050		mg/L		12/05/24 22:15	12/06/24 13:29	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:29	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:54	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 02:52	10
Sulfate (EPA 300.0)	140		10		mg/L			12/11/24 02:52	10
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			11/25/24 05:52	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			12/02/24 16:10	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-12R

Lab Sample ID: 500-260461-12

Date Collected: 11/20/24 12:51

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:31	1
Arsenic	0.046		0.0010		mg/L		12/05/24 22:15	12/06/24 13:31	1
Barium	0.098		0.0025		mg/L		12/05/24 22:15	12/06/24 13:31	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:31	1
Boron	0.52		0.050		mg/L		12/05/24 22:15	12/06/24 13:31	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:31	1
Calcium	99		0.20		mg/L		12/05/24 22:15	12/06/24 13:31	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:31	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:31	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:31	1
Lithium	0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:31	1
Molybdenum	0.017		0.0050		mg/L		12/05/24 22:15	12/06/24 13:31	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:31	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:56	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 03:08	10
Sulfate (EPA 300.0)	230		10		mg/L			12/11/24 03:08	10
Total Dissolved Solids (SM 2540C)	850		10		mg/L			11/25/24 06:13	1
Fluoride (SM 4500 F C)	0.38		0.10		mg/L			12/02/24 16:17	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-07

Lab Sample ID: 500-260461-13

Date Collected: 11/20/24 09:08

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:33	1
Arsenic	0.10		0.0010		mg/L		12/05/24 22:15	12/06/24 13:33	1
Barium	0.48		0.0025		mg/L		12/05/24 22:15	12/06/24 13:33	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:33	1
Boron	0.51		0.050		mg/L		12/05/24 22:15	12/06/24 13:33	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:33	1
Calcium	230		0.20		mg/L		12/05/24 22:15	12/06/24 13:33	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:33	1
Cobalt	0.0070		0.0010		mg/L		12/05/24 22:15	12/06/24 13:33	1
Lead	0.0015		0.00050		mg/L		12/05/24 22:15	12/06/24 13:33	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:33	1
Molybdenum	0.0065		0.0050		mg/L		12/05/24 22:15	12/06/24 13:33	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:33	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	150		10		mg/L			12/12/24 18:39	10
Sulfate (EPA 300.0)	45		1.0		mg/L			12/11/24 03:23	1
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/25/24 06:20	1
Fluoride (SM 4500 F C)	0.43		0.10		mg/L			12/02/24 16:23	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-09

Lab Sample ID: 500-260461-14

Date Collected: 11/20/24 11:34

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:36	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:36	1
Barium	0.041		0.0025		mg/L		12/05/24 22:15	12/06/24 13:36	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:36	1
Boron	2.2		0.050		mg/L		12/05/24 22:15	12/06/24 13:36	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:36	1
Calcium	82		0.20		mg/L		12/05/24 22:15	12/06/24 13:36	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:36	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:36	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:36	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:36	1
Molybdenum	0.018		0.0050		mg/L		12/05/24 22:15	12/06/24 13:36	1
Selenium	0.0083		0.0025		mg/L		12/05/24 22:15	12/06/24 13:36	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 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		12/11/24 10:45	12/12/24 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	20		10		mg/L			12/11/24 03:39	10
Sulfate (EPA 300.0)	95		10		mg/L			12/11/24 03:39	10
Total Dissolved Solids (SM 2540C)	520		10		mg/L			11/25/24 06:26	1
Fluoride (SM 4500 F C)	0.13		0.10		mg/L			12/02/24 16:40	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-11

Lab Sample ID: 500-260461-15

Date Collected: 11/20/24 14:07

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:38	1
Arsenic	0.014		0.0010		mg/L		12/05/24 22:15	12/06/24 13:38	1
Barium	0.20		0.0025		mg/L		12/05/24 22:15	12/06/24 13:38	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:38	1
Boron	1.4		0.050		mg/L		12/05/24 22:15	12/06/24 13:38	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:38	1
Calcium	100		0.20		mg/L		12/05/24 22:15	12/06/24 13:38	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:38	1
Cobalt	0.0017		0.0010		mg/L		12/05/24 22:15	12/06/24 13:38	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:38	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:38	1
Molybdenum	0.012		0.0050		mg/L		12/05/24 22:15	12/06/24 13:38	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:38	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	56		10		mg/L			12/11/24 03:55	10
Sulfate (EPA 300.0)	77		10		mg/L			12/11/24 03:55	10
Total Dissolved Solids (SM 2540C)	720		10		mg/L			11/25/24 06:28	1
Fluoride (SM 4500 F C)	0.53		0.10		mg/L			12/03/24 14:40	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-16

Lab Sample ID: 500-260461-16

Date Collected: 11/20/24 10:14

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:40	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:40	1
Barium	0.048		0.0025		mg/L		12/05/24 22:15	12/06/24 13:40	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:40	1
Boron	0.16		0.050		mg/L		12/05/24 22:15	12/06/24 13:40	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:40	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 13:40	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:40	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:40	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:40	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:40	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:40	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 13:40	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 13:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	28		1.0		mg/L			12/11/24 04:10	1
Sulfate (EPA 300.0)	25		1.0		mg/L			12/11/24 04:10	1
Total Dissolved Solids (SM 2540C)	610		10		mg/L			11/25/24 06:31	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			12/03/24 14:56	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-22

Lab Sample ID: 500-260461-17

Date Collected: 11/20/24 15:28

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/06/24 13:43	1
Arsenic	0.0028		0.0010		mg/L		12/05/24 22:15	12/06/24 13:43	1
Barium	0.10		0.0025		mg/L		12/05/24 22:15	12/06/24 13:43	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 13:43	1
Boron	2.7		0.050		mg/L		12/05/24 22:15	12/06/24 13:43	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:43	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 13:43	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 13:43	1
Cobalt	0.0025		0.0010		mg/L		12/05/24 22:15	12/06/24 13:43	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 13:43	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 13:43	1
Molybdenum	0.034		0.0050		mg/L		12/05/24 22:15	12/06/24 13:43	1
Selenium	0.023		0.0025		mg/L		12/05/24 22:15	12/06/24 13:43	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 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		12/11/24 10:45	12/12/24 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	40		10		mg/L			12/11/24 04:57	10
Sulfate (EPA 300.0)	120		10		mg/L			12/11/24 04:57	10
Total Dissolved Solids (SM 2540C)	710		10		mg/L			11/25/24 06:33	1
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			12/03/24 15:01	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-19

Lab Sample ID: 500-260461-18

Date Collected: 11/20/24 16:18

Matrix: Water

Date Received: 11/21/24 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0031		0.0030		mg/L		12/05/24 22:15	12/09/24 13:04	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:21	1
Barium	0.063		0.0025		mg/L		12/05/24 22:15	12/06/24 19:21	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:21	1
Boron	3.1	F1	0.050		mg/L		12/05/24 22:15	12/09/24 13:04	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:21	1
Calcium	79		0.20		mg/L		12/05/24 22:15	12/06/24 19:21	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:21	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:21	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:21	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:21	1
Molybdenum	0.028		0.0050		mg/L		12/05/24 22:15	12/06/24 19:21	1
Selenium	0.0040		0.0025		mg/L		12/05/24 22:15	12/06/24 19:21	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	28		5.0		mg/L			12/11/24 08:04	5
Sulfate (EPA 300.0)	130		5.0		mg/L			12/11/24 08:04	5
Total Dissolved Solids (SM 2540C)	560		10		mg/L			11/25/24 06:36	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			12/03/24 15:06	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: Duplicate 2

Lab Sample ID: 500-260461-19

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/21/24 09:50

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		12/05/24 22:15	12/09/24 13:17	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:38	1
Barium	0.045		0.0025		mg/L		12/05/24 22:15	12/06/24 19:38	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:38	1
Boron	0.13		0.050		mg/L		12/05/24 22:15	12/09/24 13:17	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:38	1
Calcium	110		0.20		mg/L		12/05/24 22:15	12/06/24 19:38	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:38	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:38	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:38	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:38	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:38	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:38	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	28		1.0		mg/L			12/11/24 08:51	1
Sulfate (EPA 300.0)	25		1.0		mg/L			12/11/24 08:51	1
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/25/24 06:39	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			12/03/24 15:10	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-13

Lab Sample ID: 500-260461-20

Date Collected: 11/21/24 09:27

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:19	1
Arsenic	0.022		0.0010		mg/L		12/05/24 22:15	12/06/24 19:41	1
Barium	0.10		0.0025		mg/L		12/05/24 22:15	12/06/24 19:41	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:41	1
Boron	1.9		0.050		mg/L		12/05/24 22:15	12/09/24 13:19	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:41	1
Calcium	60		0.20		mg/L		12/05/24 22:15	12/06/24 19:41	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:41	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:41	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:41	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:41	1
Molybdenum	0.019		0.0050		mg/L		12/05/24 22:15	12/06/24 19:41	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:41	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		20		mg/L			12/11/24 09:07	20
Sulfate (EPA 300.0)	320		20		mg/L			12/11/24 09:07	20
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			11/25/24 06:41	1
Fluoride (SM 4500 F C)	0.48		0.10		mg/L			12/03/24 15:14	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-17

Lab Sample ID: 500-260461-21

Date Collected: 11/21/24 10:42

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:22	1
Arsenic	0.0019		0.0010		mg/L		12/05/24 22:15	12/06/24 19:43	1
Barium	0.027		0.0025		mg/L		12/05/24 22:15	12/06/24 19:43	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:43	1
Boron	0.92		0.050		mg/L		12/05/24 22:15	12/09/24 13:22	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:43	1
Calcium	140		0.20		mg/L		12/05/24 22:15	12/06/24 19:43	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:43	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:43	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:43	1
Lithium	0.013		0.010		mg/L		12/05/24 22:15	12/06/24 19:43	1
Molybdenum	0.036		0.0050		mg/L		12/05/24 22:15	12/06/24 19:43	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:43	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	150		20		mg/L			12/11/24 09:22	20
Sulfate (EPA 300.0)	430		20		mg/L			12/11/24 09:22	20
Total Dissolved Solids (SM 2540C)	1300		10		mg/L			11/26/24 02:06	1
Fluoride (SM 4500 F C)	0.71		0.10		mg/L			12/03/24 15:30	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-08

Lab Sample ID: 500-260461-22

Date Collected: 11/21/24 12:09

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:29	1
Arsenic	0.0021		0.0010		mg/L		12/05/24 22:15	12/06/24 19:46	1
Barium	0.11		0.0025		mg/L		12/05/24 22:15	12/06/24 19:46	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:46	1
Boron	0.65		0.050		mg/L		12/05/24 22:15	12/09/24 13:29	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:46	1
Calcium	120		0.20		mg/L		12/05/24 22:15	12/06/24 19:46	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:46	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:46	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:46	1
Lithium	0.020		0.010		mg/L		12/05/24 22:15	12/06/24 19:46	1
Molybdenum	0.0092		0.0050		mg/L		12/05/24 22:15	12/06/24 19:46	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:46	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		10		mg/L			12/11/24 09:38	10
Sulfate (EPA 300.0)	120		10		mg/L			12/11/24 09:38	10
Total Dissolved Solids (SM 2540C)	770		10		mg/L			11/26/24 02:09	1
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			12/03/24 15:35	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-01

Lab Sample ID: 500-260461-23

Date Collected: 11/21/24 13:30

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:32	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:48	1
Barium	0.089		0.0025		mg/L		12/05/24 22:15	12/06/24 19:48	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:48	1
Boron	1.4		0.050		mg/L		12/05/24 22:15	12/09/24 13:32	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:48	1
Calcium	110		0.20		mg/L		12/05/24 22:15	12/06/24 19:48	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:48	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:48	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:48	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:48	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:48	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:48	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	46		5.0		mg/L			12/11/24 09:53	5
Sulfate (EPA 300.0)	51		5.0		mg/L			12/11/24 09:53	5
Total Dissolved Solids (SM 2540C)	580		10		mg/L			11/26/24 02:11	1
Fluoride (SM 4500 F C)	0.11		0.10		mg/L			12/03/24 15:40	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: MW-10

Lab Sample ID: 500-260461-24

Date Collected: 11/21/24 15:14

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:34	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:51	1
Barium	0.049		0.0025		mg/L		12/05/24 22:15	12/06/24 19:51	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:51	1
Boron	0.87		0.050		mg/L		12/05/24 22:15	12/09/24 13:34	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:51	1
Calcium	22		0.20		mg/L		12/05/24 22:15	12/06/24 19:51	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:51	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:51	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:51	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:51	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:51	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:51	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	62		5.0		mg/L			12/11/24 15:27	5
Sulfate (EPA 300.0)	39		5.0		mg/L			12/11/24 15:27	5
Total Dissolved Solids (SM 2540C)	510		10		mg/L			11/26/24 02:14	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			12/03/24 15:45	1

Client Sample Results

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

Job ID: 500-260461-1

Client Sample ID: Duplicate 3

Lab Sample ID: 500-260461-25

Date Collected: 11/21/24 00:00

Matrix: Water

Date Received: 11/22/24 09:35

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		12/05/24 22:15	12/09/24 13:37	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:53	1
Barium	0.088		0.0025		mg/L		12/05/24 22:15	12/06/24 19:53	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:53	1
Boron	1.3		0.050		mg/L		12/05/24 22:15	12/09/24 13:37	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:53	1
Calcium	100		0.20		mg/L		12/05/24 22:15	12/06/24 19:53	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:53	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 19:53	1
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 19:53	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 19:53	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 19:53	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 19:53	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 19:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	46		10		mg/L			12/11/24 15:43	10
Sulfate (EPA 300.0)	50		10		mg/L			12/11/24 15:43	10
Total Dissolved Solids (SM 2540C)	560		10		mg/L			11/26/24 02:17	1
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			12/03/24 15:49	1

Definitions/Glossary

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

Job ID: 500-260461-1

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.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

QC Association Summary

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

Job ID: 500-260461-1

Metals

Prep Batch: 798105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total Recoverable	Water	3005A	
500-260461-2	MW-15	Total Recoverable	Water	3005A	
500-260461-3	MW-21D	Total Recoverable	Water	3005A	
MB 500-798105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-798105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 798274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-4	Duplicate	Total Recoverable	Water	3005A	
500-260461-5	MW-02	Total Recoverable	Water	3005A	
500-260461-6	MW-03	Total Recoverable	Water	3005A	
500-260461-7	MW-04	Total Recoverable	Water	3005A	
500-260461-8	MW-05	Total Recoverable	Water	3005A	
500-260461-9	MW-06	Total Recoverable	Water	3005A	
500-260461-10	MW-18	Total Recoverable	Water	3005A	
500-260461-11	MW-18A	Total Recoverable	Water	3005A	
500-260461-12	MW-12R	Total Recoverable	Water	3005A	
500-260461-13	MW-07	Total Recoverable	Water	3005A	
500-260461-14	MW-09	Total Recoverable	Water	3005A	
500-260461-15	MW-11	Total Recoverable	Water	3005A	
500-260461-16	MW-16	Total Recoverable	Water	3005A	
500-260461-17	MW-22	Total Recoverable	Water	3005A	
MB 500-798274/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-798274/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 798276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-18	MW-19	Total Recoverable	Water	3005A	
500-260461-19	Duplicate 2	Total Recoverable	Water	3005A	
500-260461-20	MW-13	Total Recoverable	Water	3005A	
500-260461-21	MW-17	Total Recoverable	Water	3005A	
500-260461-22	MW-08	Total Recoverable	Water	3005A	
500-260461-23	MW-01	Total Recoverable	Water	3005A	
500-260461-24	MW-10	Total Recoverable	Water	3005A	
500-260461-25	Duplicate 3	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	
500-260461-18 MS	MW-19	Total Recoverable	Water	3005A	
500-260461-18 MSD	MW-19	Total Recoverable	Water	3005A	
500-260461-18 DU	MW-19	Total Recoverable	Water	3005A	

Analysis Batch: 798419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-4	Duplicate	Total Recoverable	Water	6020B	798274
500-260461-5	MW-02	Total Recoverable	Water	6020B	798274
500-260461-6	MW-03	Total Recoverable	Water	6020B	798274
500-260461-7	MW-04	Total Recoverable	Water	6020B	798274
500-260461-8	MW-05	Total Recoverable	Water	6020B	798274
500-260461-9	MW-06	Total Recoverable	Water	6020B	798274
500-260461-10	MW-18	Total Recoverable	Water	6020B	798274
500-260461-11	MW-18A	Total Recoverable	Water	6020B	798274

Eurofins Chicago

QC Association Summary

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

Job ID: 500-260461-1

Metals (Continued)

Analysis Batch: 798419 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-12	MW-12R	Total Recoverable	Water	6020B	798274
500-260461-13	MW-07	Total Recoverable	Water	6020B	798274
500-260461-14	MW-09	Total Recoverable	Water	6020B	798274
500-260461-15	MW-11	Total Recoverable	Water	6020B	798274
500-260461-16	MW-16	Total Recoverable	Water	6020B	798274
500-260461-17	MW-22	Total Recoverable	Water	6020B	798274
MB 500-798274/1-A	Method Blank	Total Recoverable	Water	6020B	798274
LCS 500-798274/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798274

Analysis Batch: 798542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total Recoverable	Water	6020B	798105
500-260461-2	MW-15	Total Recoverable	Water	6020B	798105
500-260461-3	MW-21D	Total Recoverable	Water	6020B	798105
500-260461-18	MW-19	Total Recoverable	Water	6020B	798276
500-260461-19	Duplicate 2	Total Recoverable	Water	6020B	798276
500-260461-20	MW-13	Total Recoverable	Water	6020B	798276
500-260461-21	MW-17	Total Recoverable	Water	6020B	798276
500-260461-22	MW-08	Total Recoverable	Water	6020B	798276
500-260461-23	MW-01	Total Recoverable	Water	6020B	798276
500-260461-24	MW-10	Total Recoverable	Water	6020B	798276
500-260461-25	Duplicate 3	Total Recoverable	Water	6020B	798276
MB 500-798105/1-A	Method Blank	Total Recoverable	Water	6020B	798105
MB 500-798276/1-A	Method Blank	Total Recoverable	Water	6020B	798276
LCS 500-798105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798105
LCS 500-798276/2-A	Lab Control Sample	Total Recoverable	Water	6020B	798276
500-260461-18 MS	MW-19	Total Recoverable	Water	6020B	798276
500-260461-18 MSD	MW-19	Total Recoverable	Water	6020B	798276
500-260461-18 DU	MW-19	Total Recoverable	Water	6020B	798276

Analysis Batch: 798633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-18	MW-19	Total Recoverable	Water	6020B	798276
500-260461-19	Duplicate 2	Total Recoverable	Water	6020B	798276
500-260461-20	MW-13	Total Recoverable	Water	6020B	798276
500-260461-21	MW-17	Total Recoverable	Water	6020B	798276
500-260461-22	MW-08	Total Recoverable	Water	6020B	798276
500-260461-23	MW-01	Total Recoverable	Water	6020B	798276
500-260461-24	MW-10	Total Recoverable	Water	6020B	798276
500-260461-25	Duplicate 3	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
500-260461-18 MS	MW-19	Total Recoverable	Water	6020B	798276
500-260461-18 MSD	MW-19	Total Recoverable	Water	6020B	798276
500-260461-18 DU	MW-19	Total Recoverable	Water	6020B	798276

Analysis Batch: 798722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total Recoverable	Water	6020B	798105
500-260461-2	MW-15	Total Recoverable	Water	6020B	798105
500-260461-3	MW-21D	Total Recoverable	Water	6020B	798105

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QC Association Summary

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

Job ID: 500-260461-1

Metals

Prep Batch: 798953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	7470A	
500-260461-2	MW-15	Total/NA	Water	7470A	
500-260461-3	MW-21D	Total/NA	Water	7470A	
500-260461-4	Duplicate	Total/NA	Water	7470A	
500-260461-5	MW-02	Total/NA	Water	7470A	
500-260461-6	MW-03	Total/NA	Water	7470A	
500-260461-7	MW-04	Total/NA	Water	7470A	
500-260461-8	MW-05	Total/NA	Water	7470A	
500-260461-9	MW-06	Total/NA	Water	7470A	
500-260461-10	MW-18	Total/NA	Water	7470A	
500-260461-11	MW-18A	Total/NA	Water	7470A	
500-260461-12	MW-12R	Total/NA	Water	7470A	
500-260461-13	MW-07	Total/NA	Water	7470A	
MB 500-798953/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-798953/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-260461-6 MS	MW-03	Total/NA	Water	7470A	
500-260461-6 MSD	MW-03	Total/NA	Water	7470A	
500-260461-6 DU	MW-03	Total/NA	Water	7470A	

Prep Batch: 798954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-14	MW-09	Total/NA	Water	7470A	
500-260461-15	MW-11	Total/NA	Water	7470A	
500-260461-16	MW-16	Total/NA	Water	7470A	
500-260461-17	MW-22	Total/NA	Water	7470A	
500-260461-18	MW-19	Total/NA	Water	7470A	
500-260461-19	Duplicate 2	Total/NA	Water	7470A	
500-260461-20	MW-13	Total/NA	Water	7470A	
500-260461-21	MW-17	Total/NA	Water	7470A	
500-260461-22	MW-08	Total/NA	Water	7470A	
500-260461-23	MW-01	Total/NA	Water	7470A	
500-260461-24	MW-10	Total/NA	Water	7470A	
500-260461-25	Duplicate 3	Total/NA	Water	7470A	
MB 500-798954/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-798954/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-260461-23 MS	MW-01	Total/NA	Water	7470A	
500-260461-23 MSD	MW-01	Total/NA	Water	7470A	
500-260461-23 DU	MW-01	Total/NA	Water	7470A	

Analysis Batch: 799174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	7470A	798953
500-260461-2	MW-15	Total/NA	Water	7470A	798953
500-260461-3	MW-21D	Total/NA	Water	7470A	798953
500-260461-4	Duplicate	Total/NA	Water	7470A	798953
500-260461-5	MW-02	Total/NA	Water	7470A	798953
500-260461-6	MW-03	Total/NA	Water	7470A	798953
500-260461-7	MW-04	Total/NA	Water	7470A	798953
500-260461-8	MW-05	Total/NA	Water	7470A	798953
500-260461-9	MW-06	Total/NA	Water	7470A	798953
500-260461-10	MW-18	Total/NA	Water	7470A	798953

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QC Association Summary

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

Job ID: 500-260461-1

Metals (Continued)

Analysis Batch: 799174 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-11	MW-18A	Total/NA	Water	7470A	798953
500-260461-12	MW-12R	Total/NA	Water	7470A	798953
500-260461-13	MW-07	Total/NA	Water	7470A	798953
500-260461-14	MW-09	Total/NA	Water	7470A	798954
500-260461-15	MW-11	Total/NA	Water	7470A	798954
500-260461-16	MW-16	Total/NA	Water	7470A	798954
500-260461-17	MW-22	Total/NA	Water	7470A	798954
500-260461-18	MW-19	Total/NA	Water	7470A	798954
500-260461-19	Duplicate 2	Total/NA	Water	7470A	798954
500-260461-20	MW-13	Total/NA	Water	7470A	798954
500-260461-21	MW-17	Total/NA	Water	7470A	798954
500-260461-22	MW-08	Total/NA	Water	7470A	798954
500-260461-23	MW-01	Total/NA	Water	7470A	798954
500-260461-24	MW-10	Total/NA	Water	7470A	798954
500-260461-25	Duplicate 3	Total/NA	Water	7470A	798954
MB 500-798953/12-A	Method Blank	Total/NA	Water	7470A	798953
MB 500-798954/12-A	Method Blank	Total/NA	Water	7470A	798954
LCS 500-798953/13-A	Lab Control Sample	Total/NA	Water	7470A	798953
LCS 500-798954/13-A	Lab Control Sample	Total/NA	Water	7470A	798954
500-260461-6 MS	MW-03	Total/NA	Water	7470A	798953
500-260461-6 MSD	MW-03	Total/NA	Water	7470A	798953
500-260461-23 MS	MW-01	Total/NA	Water	7470A	798954
500-260461-23 MSD	MW-01	Total/NA	Water	7470A	798954
500-260461-6 DU	MW-03	Total/NA	Water	7470A	798953
500-260461-23 DU	MW-01	Total/NA	Water	7470A	798954

General Chemistry

Analysis Batch: 796611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	SM 2540C	
500-260461-2	MW-15	Total/NA	Water	SM 2540C	
500-260461-3	MW-21D	Total/NA	Water	SM 2540C	
MB 500-796611/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-796611/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 796786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-4	Duplicate	Total/NA	Water	SM 2540C	
500-260461-5	MW-02	Total/NA	Water	SM 2540C	
500-260461-6	MW-03	Total/NA	Water	SM 2540C	
500-260461-7	MW-04	Total/NA	Water	SM 2540C	
500-260461-8	MW-05	Total/NA	Water	SM 2540C	
500-260461-9	MW-06	Total/NA	Water	SM 2540C	
500-260461-10	MW-18	Total/NA	Water	SM 2540C	
500-260461-11	MW-18A	Total/NA	Water	SM 2540C	
MB 500-796786/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-796786/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-260461-1

General Chemistry

Analysis Batch: 796787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-12	MW-12R	Total/NA	Water	SM 2540C	
500-260461-13	MW-07	Total/NA	Water	SM 2540C	
500-260461-14	MW-09	Total/NA	Water	SM 2540C	
500-260461-15	MW-11	Total/NA	Water	SM 2540C	
500-260461-16	MW-16	Total/NA	Water	SM 2540C	
500-260461-17	MW-22	Total/NA	Water	SM 2540C	
500-260461-18	MW-19	Total/NA	Water	SM 2540C	
500-260461-19	Duplicate 2	Total/NA	Water	SM 2540C	
500-260461-20	MW-13	Total/NA	Water	SM 2540C	
MB 500-796787/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-796787/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-260461-12 MS	MW-12R	Total/NA	Water	SM 2540C	
500-260461-12 DU	MW-12R	Total/NA	Water	SM 2540C	
500-260461-13 DU	MW-07	Total/NA	Water	SM 2540C	

Analysis Batch: 797032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-21	MW-17	Total/NA	Water	SM 2540C	
500-260461-22	MW-08	Total/NA	Water	SM 2540C	
500-260461-23	MW-01	Total/NA	Water	SM 2540C	
500-260461-24	MW-10	Total/NA	Water	SM 2540C	
500-260461-25	Duplicate 3	Total/NA	Water	SM 2540C	
MB 500-797032/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-797032/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 797536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	SM 4500 F C	
500-260461-2	MW-15	Total/NA	Water	SM 4500 F C	
500-260461-3	MW-21D	Total/NA	Water	SM 4500 F C	
500-260461-4	Duplicate	Total/NA	Water	SM 4500 F C	
500-260461-5	MW-02	Total/NA	Water	SM 4500 F C	
500-260461-6	MW-03	Total/NA	Water	SM 4500 F C	
MB 500-797536/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-797536/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 797725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-7	MW-04	Total/NA	Water	SM 4500 F C	
500-260461-8	MW-05	Total/NA	Water	SM 4500 F C	
500-260461-9	MW-06	Total/NA	Water	SM 4500 F C	
500-260461-10	MW-18	Total/NA	Water	SM 4500 F C	
500-260461-11	MW-18A	Total/NA	Water	SM 4500 F C	
500-260461-12	MW-12R	Total/NA	Water	SM 4500 F C	
500-260461-13	MW-07	Total/NA	Water	SM 4500 F C	
500-260461-14	MW-09	Total/NA	Water	SM 4500 F C	
MB 500-797725/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-797725/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-797725/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-797725/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-260461-1

General Chemistry

Analysis Batch: 798114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-15	MW-11	Total/NA	Water	SM 4500 F C	
500-260461-16	MW-16	Total/NA	Water	SM 4500 F C	
500-260461-17	MW-22	Total/NA	Water	SM 4500 F C	
500-260461-18	MW-19	Total/NA	Water	SM 4500 F C	
500-260461-19	Duplicate 2	Total/NA	Water	SM 4500 F C	
500-260461-20	MW-13	Total/NA	Water	SM 4500 F C	
500-260461-21	MW-17	Total/NA	Water	SM 4500 F C	
500-260461-22	MW-08	Total/NA	Water	SM 4500 F C	
500-260461-23	MW-01	Total/NA	Water	SM 4500 F C	
500-260461-24	MW-10	Total/NA	Water	SM 4500 F C	
500-260461-25	Duplicate 3	Total/NA	Water	SM 4500 F C	
MB 500-798114/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-798114/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-260461-15 MS	MW-11	Total/NA	Water	SM 4500 F C	
500-260461-15 MSD	MW-11	Total/NA	Water	SM 4500 F C	

Analysis Batch: 798763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	300.0	
500-260461-2	MW-15	Total/NA	Water	300.0	
500-260461-3	MW-21D	Total/NA	Water	300.0	
500-260461-4	Duplicate	Total/NA	Water	300.0	
500-260461-5	MW-02	Total/NA	Water	300.0	
500-260461-6	MW-03	Total/NA	Water	300.0	
500-260461-7	MW-04	Total/NA	Water	300.0	
500-260461-8	MW-05	Total/NA	Water	300.0	
500-260461-9	MW-06	Total/NA	Water	300.0	
500-260461-10	MW-18	Total/NA	Water	300.0	
500-260461-11	MW-18A	Total/NA	Water	300.0	
500-260461-12	MW-12R	Total/NA	Water	300.0	
500-260461-13	MW-07	Total/NA	Water	300.0	
500-260461-14	MW-09	Total/NA	Water	300.0	
500-260461-15	MW-11	Total/NA	Water	300.0	
500-260461-16	MW-16	Total/NA	Water	300.0	
500-260461-17	MW-22	Total/NA	Water	300.0	
MB 500-798763/3	Method Blank	Total/NA	Water	300.0	
LCS 500-798763/4	Lab Control Sample	Total/NA	Water	300.0	
500-260461-1 MS	MW-14	Total/NA	Water	300.0	
500-260461-1 MSD	MW-14	Total/NA	Water	300.0	

Analysis Batch: 798788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-18	MW-19	Total/NA	Water	300.0	
500-260461-19	Duplicate 2	Total/NA	Water	300.0	
500-260461-20	MW-13	Total/NA	Water	300.0	
500-260461-21	MW-17	Total/NA	Water	300.0	
500-260461-22	MW-08	Total/NA	Water	300.0	
500-260461-23	MW-01	Total/NA	Water	300.0	
500-260461-24	MW-10	Total/NA	Water	300.0	
500-260461-25	Duplicate 3	Total/NA	Water	300.0	
MB 500-798788/3	Method Blank	Total/NA	Water	300.0	

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QC Association Summary

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

Job ID: 500-260461-1

General Chemistry (Continued)

Analysis Batch: 798788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-798788/4	Lab Control Sample	Total/NA	Water	300.0	
500-260461-18 MS	MW-19	Total/NA	Water	300.0	
500-260461-18 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 799158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	300.0	
500-260461-13	MW-07	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	
500-260461-1 MS	MW-14	Total/NA	Water	300.0	
500-260461-1 MSD	MW-14	Total/NA	Water	300.0	

QC Sample Results

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

Job ID: 500-260461-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-798105/1-A

Matrix: Water

Analysis Batch: 798542

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 798105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/05/24 09:13	12/06/24 18:23	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 18:23	1
Barium	<0.0025		0.0025		mg/L		12/05/24 09:13	12/06/24 18:23	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 18:23	1
Boron	<0.050		0.050		mg/L		12/05/24 09:13	12/06/24 18:23	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 18:23	1
Calcium	<0.20		0.20		mg/L		12/05/24 09:13	12/06/24 18:23	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 09:13	12/06/24 18:23	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 09:13	12/06/24 18:23	1
Lead	<0.00050		0.00050		mg/L		12/05/24 09:13	12/06/24 18:23	1
Lithium	<0.010		0.010		mg/L		12/05/24 09:13	12/06/24 18:23	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 09:13	12/06/24 18:23	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 09:13	12/06/24 18:23	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 09:13	12/06/24 18:23	1

Lab Sample ID: LCS 500-798105/2-A

Matrix: Water

Analysis Batch: 798542

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 798105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.531		mg/L		106	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.500	0.517		mg/L		103	80 - 120
Beryllium	0.0500	0.0510		mg/L		102	80 - 120
Boron	1.00	1.04		mg/L		104	80 - 120
Cadmium	0.0500	0.0520		mg/L		104	80 - 120
Calcium	10.0	9.04		mg/L		90	80 - 120
Chromium	0.200	0.211		mg/L		106	80 - 120
Cobalt	0.500	0.549		mg/L		110	80 - 120
Lead	0.100	0.105		mg/L		105	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	1.02		mg/L		102	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: MB 500-798274/1-A

Matrix: Water

Analysis Batch: 798419

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 798274

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	12/06/24 12:33	1
Arsenic	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 12:33	1
Barium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 12:33	1
Beryllium	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 12:33	1
Boron	<0.050		0.050		mg/L		12/05/24 22:15	12/06/24 12:33	1
Cadmium	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 12:33	1
Calcium	<0.20		0.20		mg/L		12/05/24 22:15	12/06/24 12:33	1
Chromium	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 12:33	1
Cobalt	<0.0010		0.0010		mg/L		12/05/24 22:15	12/06/24 12:33	1

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QC Sample Results

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

Job ID: 500-260461-1

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

Lab Sample ID: MB 500-798274/1-A
Matrix: Water
Analysis Batch: 798419

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 798274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00050		0.00050		mg/L		12/05/24 22:15	12/06/24 12:33	1
Lithium	<0.010		0.010		mg/L		12/05/24 22:15	12/06/24 12:33	1
Molybdenum	<0.0050		0.0050		mg/L		12/05/24 22:15	12/06/24 12:33	1
Selenium	<0.0025		0.0025		mg/L		12/05/24 22:15	12/06/24 12:33	1
Thallium	<0.0020		0.0020		mg/L		12/05/24 22:15	12/06/24 12:33	1

Lab Sample ID: LCS 500-798274/2-A
Matrix: Water
Analysis Batch: 798419

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 798274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.468		mg/L		94	80 - 120
Arsenic	0.100	0.0896		mg/L		90	80 - 120
Barium	2.00	1.94		mg/L		97	80 - 120
Beryllium	0.0500	0.0462		mg/L		92	80 - 120
Boron	1.00	0.905		mg/L		90	80 - 120
Cadmium	0.0500	0.0468		mg/L		94	80 - 120
Calcium	10.0	8.04		mg/L		80	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Cobalt	0.500	0.489		mg/L		98	80 - 120
Lead	0.100	0.0918		mg/L		92	80 - 120
Lithium	0.500	0.473		mg/L		95	80 - 120
Molybdenum	1.00	0.898		mg/L		90	80 - 120
Selenium	0.100	0.0891		mg/L		89	80 - 120
Thallium	0.100	0.0957		mg/L		96	80 - 120

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

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QC Sample Results

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

Job ID: 500-260461-1

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

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

Lab Sample ID: 500-260461-18 MS
Matrix: Water
Analysis Batch: 798542

Client Sample ID: MW-19
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0010		0.100	0.0910		mg/L		91	75 - 125
Barium	0.063		2.00	2.00		mg/L		97	75 - 125
Beryllium	<0.0010		0.0500	0.0470		mg/L		94	75 - 125
Cadmium	<0.00050		0.0500	0.0477		mg/L		95	75 - 125
Calcium	79		10.0	89.0	4	mg/L		100	75 - 125
Chromium	<0.0050		0.200	0.189		mg/L		95	75 - 125
Cobalt	<0.0010		0.500	0.479		mg/L		96	75 - 125
Lead	<0.00050		0.100	0.0932		mg/L		93	75 - 125
Lithium	<0.010		0.500	0.490		mg/L		97	75 - 125
Molybdenum	0.028		1.00	0.962		mg/L		93	75 - 125
Selenium	0.0040		0.100	0.0958		mg/L		92	75 - 125
Thallium	<0.0020		0.100	0.0970		mg/L		97	75 - 125

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QC Sample Results

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

Job ID: 500-260461-1

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

Lab Sample ID: 500-260461-18 MS

Matrix: Water

Analysis Batch: 798633

Client Sample ID: MW-19

Prep Type: Total Recoverable

Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0031		0.500	0.477		mg/L		95	75 - 125
Boron	3.1	F1	1.00	3.56	F1	mg/L		47	75 - 125

Lab Sample ID: 500-260461-18 MSD

Matrix: Water

Analysis Batch: 798542

Client Sample ID: MW-19

Prep Type: Total Recoverable

Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0010		0.100	0.0939		mg/L		94	75 - 125	3	20
Barium	0.063		2.00	2.03		mg/L		98	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0478		mg/L		96	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0489		mg/L		98	75 - 125	3	20
Calcium	79		10.0	92.1	4	mg/L		131	75 - 125	3	20
Chromium	<0.0050		0.200	0.193		mg/L		97	75 - 125	2	20
Cobalt	<0.0010		0.500	0.485		mg/L		97	75 - 125	1	20
Lead	<0.00050		0.100	0.0956		mg/L		96	75 - 125	3	20
Lithium	<0.010		0.500	0.498		mg/L		99	75 - 125	2	20
Molybdenum	0.028		1.00	0.987		mg/L		96	75 - 125	2	20
Selenium	0.0040		0.100	0.0960		mg/L		92	75 - 125	0	20
Thallium	<0.0020		0.100	0.0991		mg/L		99	75 - 125	2	20

Lab Sample ID: 500-260461-18 MSD

Matrix: Water

Analysis Batch: 798633

Client Sample ID: MW-19

Prep Type: Total Recoverable

Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.0031		0.500	0.514		mg/L		102	75 - 125	7	20
Boron	3.1	F1	1.00	3.87		mg/L		79	75 - 125	8	20

Lab Sample ID: 500-260461-18 DU

Matrix: Water

Analysis Batch: 798542

Client Sample ID: MW-19

Prep Type: Total Recoverable

Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.063		0.0634		mg/L		1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	79		79.7		mg/L		0.9	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010		<0.010		mg/L		NC	20
Molybdenum	0.028		0.0275		mg/L		0	20
Selenium	0.0040		0.00359		mg/L		10	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

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QC Sample Results

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

Job ID: 500-260461-1

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

Lab Sample ID: 500-260461-18 DU
Matrix: Water
Analysis Batch: 798633

Client Sample ID: MW-19
Prep Type: Total Recoverable
Prep Batch: 798276

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	0.0031		<0.0030		mg/L		NC	20
Boron	3.1	F1	3.13		mg/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-798953/12-A
Matrix: Water
Analysis Batch: 799174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 798953

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 07:48	1

Lab Sample ID: LCS 500-798953/13-A
Matrix: Water
Analysis Batch: 799174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 798953

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00196		mg/L		98	80 - 120

Lab Sample ID: 500-260461-6 MS
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 798953

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000936		mg/L		94	75 - 125

Lab Sample ID: 500-260461-6 MSD
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 798953

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.000953		mg/L		95	75 - 125	2	20

Lab Sample ID: 500-260461-6 DU
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 798953

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

Lab Sample ID: MB 500-798954/12-A
Matrix: Water
Analysis Batch: 799174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 798954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/11/24 10:45	12/12/24 09:01	1

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QC Sample Results

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

Job ID: 500-260461-1

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

Lab Sample ID: LCS 500-798954/13-A
Matrix: Water
Analysis Batch: 799174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 798954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00193		mg/L		97	80 - 120

Lab Sample ID: 500-260461-23 MS
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 798954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000872		mg/L		87	75 - 125

Lab Sample ID: 500-260461-23 MSD
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 798954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.00020		0.000999	0.000926		mg/L		93	75 - 125	6	20

Lab Sample ID: 500-260461-23 DU
Matrix: Water
Analysis Batch: 799174

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 798954

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-798763/3
Matrix: Water
Analysis Batch: 798763

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			12/10/24 22:43	1
Sulfate	<1.0		1.0		mg/L			12/10/24 22:43	1

Lab Sample ID: LCS 500-798763/4
Matrix: Water
Analysis Batch: 798763

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		92	90 - 110
Sulfate	20.0	19.7		mg/L		98	90 - 110

Lab Sample ID: 500-260461-1 MS
Matrix: Water
Analysis Batch: 798763

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	1700		1000	2660		mg/L		98	80 - 120

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QC Sample Results

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

Job ID: 500-260461-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-260461-1 MSD

Matrix: Water

Analysis Batch: 798763

Client Sample ID: MW-14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	1700		1000	2660		mg/L		99	80 - 120	0	20

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: 500-260461-18 MS

Matrix: Water

Analysis Batch: 798788

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28		50.0	77.9		mg/L		99	80 - 120
Sulfate	130		50.0	176		mg/L		101	80 - 120

Lab Sample ID: 500-260461-18 MSD

Matrix: Water

Analysis Batch: 798788

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28		50.0	78.0		mg/L		100	80 - 120	0	20
Sulfate	130		50.0	180		mg/L		109	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
Chloride	<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
Chloride	100	99.7		mg/L		100	90 - 110

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QC Sample Results

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

Job ID: 500-260461-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-260461-1 MS

Matrix: Water

Analysis Batch: 799158

Client Sample ID: MW-14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110		200	308		mg/L		100	80 - 120

Lab Sample ID: 500-260461-1 MSD

Matrix: Water

Analysis Batch: 799158

Client Sample ID: MW-14

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110		200	305		mg/L		98	80 - 120	1	20

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

Lab Sample ID: MB 500-796611/1

Matrix: Water

Analysis Batch: 796611

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			11/22/24 08:42	1

Lab Sample ID: LCS 500-796611/2

Matrix: Water

Analysis Batch: 796611

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

Lab Sample ID: MB 500-796786/1

Matrix: Water

Analysis Batch: 796786

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/25/24 04:53	1

Lab Sample ID: LCS 500-796786/2

Matrix: Water

Analysis Batch: 796786

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: MB 500-796787/1

Matrix: Water

Analysis Batch: 796787

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/25/24 06:08	1

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QC Sample Results

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

Job ID: 500-260461-1

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

Lab Sample ID: LCS 500-796787/2

Matrix: Water

Analysis Batch: 796787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

Lab Sample ID: 500-260461-12 MS

Matrix: Water

Analysis Batch: 796787

Client Sample ID: MW-12R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	850		250	1150		mg/L		121	75 - 125

Lab Sample ID: 500-260461-12 DU

Matrix: Water

Analysis Batch: 796787

Client Sample ID: MW-12R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	850		888		mg/L		4	5

Lab Sample ID: 500-260461-13 DU

Matrix: Water

Analysis Batch: 796787

Client Sample ID: MW-07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1130		mg/L		1	5

Lab Sample ID: MB 500-797032/1

Matrix: Water

Analysis Batch: 797032

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 01:28	1

Lab Sample ID: LCS 500-797032/2

Matrix: Water

Analysis Batch: 797032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-797536/31

Matrix: Water

Analysis Batch: 797536

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			11/27/24 14:44	1

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QC Sample Results

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

Job ID: 500-260461-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-797536/32

Matrix: Water

Analysis Batch: 797536

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: MB 500-797725/3

Matrix: Water

Analysis Batch: 797725

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			12/02/24 13:29	1

Lab Sample ID: MB 500-797725/31

Matrix: Water

Analysis Batch: 797725

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			12/02/24 15:54	1

Lab Sample ID: LCS 500-797725/32

Matrix: Water

Analysis Batch: 797725

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 500-797725/4

Matrix: Water

Analysis Batch: 797725

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: 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: 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: 500-260461-15 MS

Matrix: Water

Analysis Batch: 798114

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.53		5.00	5.49		mg/L		99	75 - 125

Eurofins Chicago

QC Sample Results

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

Job ID: 500-260461-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-260461-15 MSD							Client Sample ID: MW-11					
Matrix: Water							Prep Type: Total/NA					
Analysis Batch: 798114												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Fluoride	0.53		5.00	5.54		mg/L		100	75 - 125	1	20	

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax. 708-534 5211

Chain of Custody Record

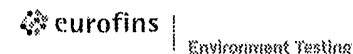
MKE 232



Environment Testing

Client Information		Sampler <i>Kaelyn Sperle</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-129749-49657 2				
Client Contact Kaelyn Sperle		Phone <i>262-278-1621</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin <i>IL</i>		Page Page 2 of 3 - 1 of 1				
Company KPRG and Associates, Inc.		PWSID		Analysis Requested								
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested <i>Standard</i>		 500-260461 COC								
City Brookfield		TAT Requested (days) <i>Standard</i>										
State Zip WI, 53005		Compliance Project ☐ Yes ☐ No										
Phone 262-781-0475(Tel)		PO #: 4502160845										
Email kaelyns@kprginc.com		WO #:										
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project # 50011612		Total Number of containers								
Site		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)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE	SM4500_SO4_E - Sulfate	Other
~~MW-12~~					Water							
~~MW-13~~					Water							
1 MW-14		11/18/24	1345	G	Water	N	N	X	X	X	X	7
2 MW-15		11/18/24	1528	G	Water	N	N	X	X	X	X	7
~~MW-16~~					Water							
~~MW-17~~					Water							
~~MW-18~~					Water							
~~MW-19~~					Water							
~~MW-20~~					Water							
~~MW-21~~					Water							
3 MW-21D		11/18/24	1235	G	Water	N	N	X	X	X	X	7
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>Kaelyn Sperle</i>		Date/Time 11/18/24/1720		Company KPRG		Received by <i>FedEx</i>		Date/Time 11/18/24/1720		Company FedEx		
Relinquished by		Date/Time		Company		Received by <i>Stephanie Hemminger</i>		Date/Time 11/20/24 1000		Company FEIA		
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>6.1 + 5.5</i>								

MIKE 232



Client Information		Sampler Kaelyn Sperle		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-129749-49657 1					
Client Contact Kaelyn Sperle		Phone: 262-278-1621		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin: IL		Page Page ~~1~~ of 1					
Company KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 506-260461			
Address. 14665 West Lisbon Road, Suite 1A		Due Date Requested Standard								Preservation Codes: D - HNO ₃ N - None			
City: Brookfield		TAT Requested (days) Standard											
State, Zip: WI, 53005		Compliance Project Δ Yes Δ No											
Phone: 262-781-0475(Tel)		PO #. 4502160845											
Email: kaelyns@kprginc.com		WO #.											
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #. 50011612								Other:			
Site:		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)		Total Number of Containers		Special Instructions/Note:	
~~MW-01~~ Duplicate 1		11/19/24		-		G		Water		7			
MW-02		11/19/24		1102				Water					
MW-03		11/19/24		1206				Water					
MW-04		11/19/24		1355				Water					
MW-05		11/19/24		1502				Water					
MW-06		11/19/24		1609				Water					
~~MW-07~~ MW-18		11/19/24		1003				Water					
~~MW-08~~ MW-18A		11/19/24		0844				Water					
~~MW-09~~								Water					
~~MW-10~~								Water					
~~MW-11~~								Water					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months							
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements							
Empty Kit Relinquished by				Date		Time		Method of Shipment:					
Relinquished by: Kaelyn Sperle		Date/Time: 11/19/24/1745		Company: KPRG		Received by: FedEx		Date/Time: 11/19/24/1745		Company: FedEx			
Relinquished by:		Date/Time:		Company:		Received by: Stephanie Hernandez		Date/Time: 11/20/24 1000		Company: EEIA			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. 0.1+-0.2, -0.4+-0.7, 0.1+-0.2									

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

MKE 232

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Client Information		Sampler Kaelyn Sperle		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No: 500-129749-49657 2					
Client Contact: Kaelyn Sperle		Phone: 262-278-1621		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin IL		Page: Page 2 of 3 Page 1 of 1					
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-260461			
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested Standard		Field Filtered Sample (Yes or No) Perform H5/H5B (Yes or No) 903.0, 904.0 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE SM4500_SO4_E - Sulfate Total Number of Containers						Preservation Codes: D - HNO3 N - None			
City: Brookfield		TAT Requested (days) Standard								Other:			
State, Zip: WI, 53005		Compliance Project ☐ Yes ☐ No											
Phone: 262-781-0475(Tel)		PO #: 4502160845											
Email: kaelyns@kprginc.com		WO #:											
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612											
Site:		SSOW#:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code		Special Instructions/Note:	
12 MW-12 R		11/20/24		1251		G		Water		N N X X X X			
13 ~~MW-12~~ MW-07		11/20/24		0908				Water		N N			
14 ~~MW-12~~ MW-09		11/20/24		1134				Water		N N			
15 ~~MW-12~~ MW-11		11/20/24		1407				Water		N N			
16 MW-16		11/20/24		1014				Water		N N			
17 ~~MW-17~~ MW-22		11/20/24		1528				Water		N N			
18 MW-19		11/20/24		1618		G		Water		N N X X X X			
19 ~~MW-20~~ Duplicate 2		11/20/24						Water				Added by EETA	
~~MW-21~~								Water					
~~MW-21B~~								Water					
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements.			
Empty Kit Relinquished by				Date.		Time		Method of Shipment:					
Relinquished by: Kaelyn Sperle				Date/Time 11/20/24/1745		Company KPRG		Received by: FedEx		Date/Time 11/20/24/1745		Company FedEx	
Relinquished by:				Date/Time:		Company		Received by: Shirley Smith		Date/Time 11/21/24 0950		Company EETA	
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: -1.2 → -2.0, -1.3 → -1.6, -1.6 → -1.9									

MKE 232

Client Information		Sampler Kaelyn Sperle		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-129749 49657 3	
Client Contact Kaelyn Sperle		Phone 262-278-1621		E-Mail Diana Mockler@et.eurofinsus.com		State of Origin IL		Page Page 2 of 1	
Company KPRG and Associates Inc.		PWSID		Job # 500-260461		Due Date Requested Standard		Preservation Codes D HNO3 N None	
Address 14665 West Lisbon Road, Suite 1A		TAT Requested (days) Standard		Compliance Project Yes No		PO # 4502160845		WO #	
City Brookfield		Project # 50011612		SSOW#		Field Filtered Sample (Yes or No)		Total Number of Containers	
State, Zip WI, 53005		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	
Phone 262-781-0475(Tel)		Preservation Code		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0	
Email kaelyns@kprginc.com		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		6020A, 7470A	
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		2540C, 4500_F_C, SM4500_Cl_E	
Site		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0, 904.0		SM4500_SO4_E - Sulfate	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	
MW-13		11/21/24		0927		G		Water	
MW-17		11/21/24		1042		G		Water	
Duplicate 1 - MW-08		11/21/24		1209		G		Water	
Duplicate 2 - MW-01		11/21/24		1330		G		Water	
MW-10		11/21/24		1514		G		Water	
Duplicate 3		11/21/24		-		G		Water	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab		Archive For	
Non-Hazard		Flammable		Skin Irritant		Poison B		Unknown	
Radiological		Special Instructions/QC Requirements		Cooler Temperature(s) °C and Other Remarks		Custody Seals Intact		Custody Seal No	
Empty Kit Relinquished by		Date		Time		Method of Shipment		Relinquished by	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Custody Seals Intact		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		Custody Seals Intact		Custody Seal No	
Yes No		Yes No		Cooler Temperature(s) °C and Other Remarks		Custody Seals Intact		Custody Seal No	

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

CAD: 0780307/CAFE3855

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

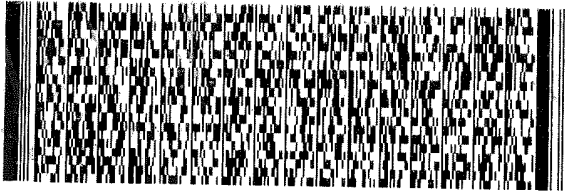
UNIVERSITY PARK IL 60484

(708) 534-5200
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PO:

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PORT 118287-435 RPOB2 EXP 07/25

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14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

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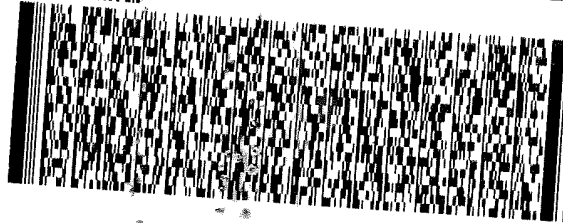
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WILKFIELD, WI 53005
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0780307/CAFE3855

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417 BOND ST.

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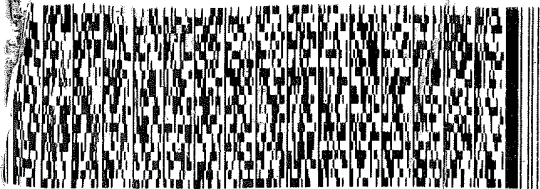
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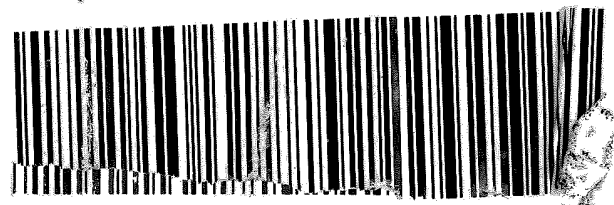
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14665 W. LISBON ROAD
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UNITED STATES US

CAD: 0780307/CAFE3855

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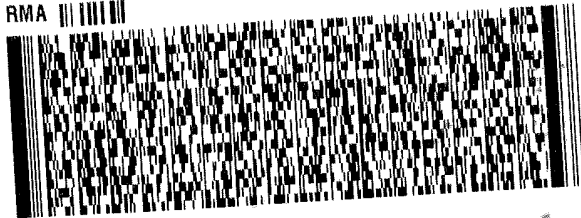
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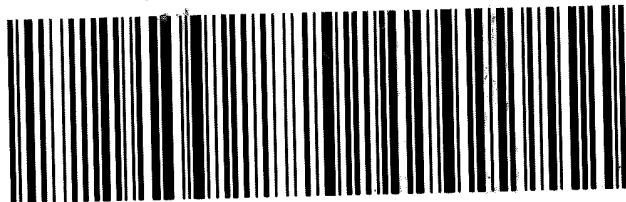
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EXP 11/20/20 4:30 PM EST EXP 07/25

DELIVER TO
KPRG AND ASSOCIATES, INC
14685 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 03 00 00
CAD: 0780307/CAF



500-260461 Waybi

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2417 BOND ST.

UNIVERSITY PARK IL 60484

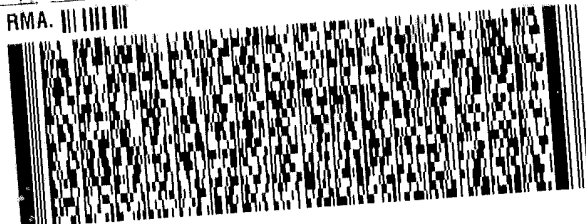
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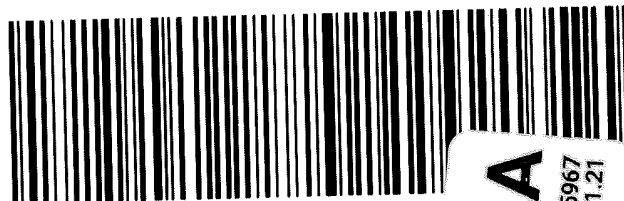
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5967
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DELIVER TO
KPRG AND ASSOCIATES, INC
14685 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 03 00 00
CAD: 0780307/CAFE3855

Page # 139469-434 MTW EXP 02/25

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EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

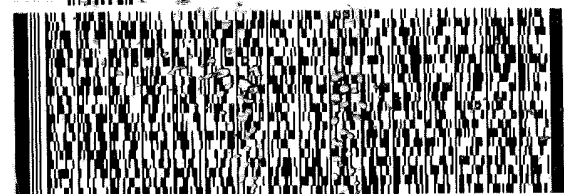
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PO:

RMA. 11111111



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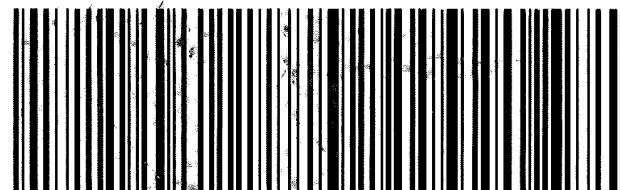
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PRIORITY OVERNIGHT

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KPRG AND ASSOCIATES, INC
14685 W. LISAON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

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CAD: 0780307/CAFE3855

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2417 BOND ST.

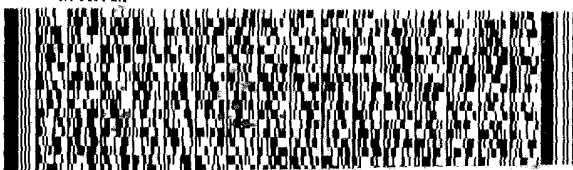
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA. 11111111



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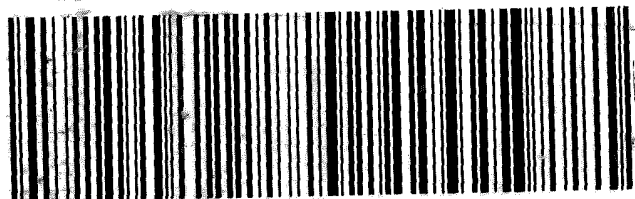
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XP JOTA

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Pat # 159469-434 MTW EXP 07/25

KRELLIN ASSOCIATES, INC.
KPRG AND ASSOCIATES, INC.
14665 W LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

DIRECT: ES 00 LB THIN
CAD: 0780307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

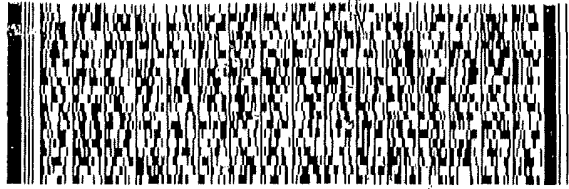
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(708) 634 5200

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PRIORITY OVERNIGHT

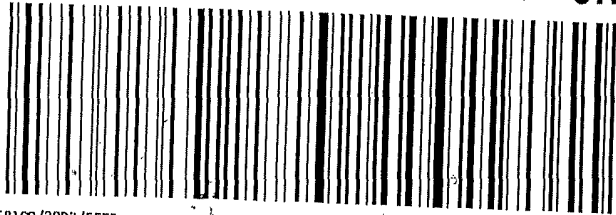
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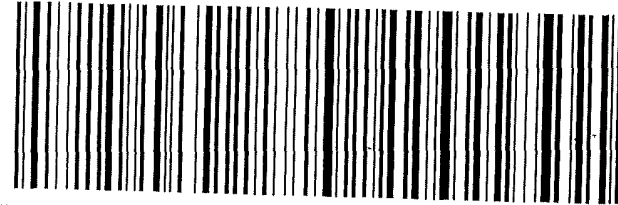
500-260461 Waybi

XP JOTA

60484

IL-US

ORD



4275846 21Nov2024 P1AA 581G8/39D3/5FE5

Place Label Here

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Mockler, Diana J		Carrier Tracking No(s): N/A		COC No: 500-195492.1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Diana Mockler@et.eurofins.com		State of Origin: Illinois		Page: Page 1 of 1	
Company: TesAmerica Laboratories, Inc.		Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-260461-1		Preservation Codes:	
City: Earth City		State, Zip: MO, 63045		PO #: N/A		WO #: N/A		Project #: 50011612	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Email: N/A		Site: N/A		Due Date Requested: 12/13/2024		TAT Requested (days): N/A	
Matrix (W=water, S=solid, O=swab/oh, BT=Tissue, A=Air)		Sample Type (C=Comp, G=grab)		Sample Time		Sample Date		Preservation Code	
MW-12R (500-260461-12)		G		12:51 Central		11/20/24		G	
MW-07 (500-260461-13)		G		09:08 Central		11/20/24		G	
MW-09 (500-260461-14)		G		11:34 Central		11/20/24		G	
MW-11 (500-260461-15)		G		14:07 Central		11/20/24		G	
MW-16 (500-260461-16)		G		10:14 Central		11/20/24		G	
MW-22 (500-260461-17)		G		15:28 Central		11/20/24		G	
MW-19 (500-260461-18)		G		16:18 Central		11/20/24		G	
Duplicate 2 (500-260461-19)		G		Central		11/20/24		G	
Sample Identification - Client ID (Lab ID)		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	
MW-12R (500-260461-12)		X		X		X		X	
MW-07 (500-260461-13)		X		X		X		X	
MW-09 (500-260461-14)		X		X		X		X	
MW-11 (500-260461-15)		X		X		X		X	
MW-16 (500-260461-16)		X		X		X		X	
MW-22 (500-260461-17)		X		X		X		X	
MW-19 (500-260461-18)		X		X		X		X	
Duplicate 2 (500-260461-19)		X		X		X		X	
Special Instructions/Note:		Total Number of Containers		Other: N/A		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-12R (500-260461-12)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-07 (500-260461-13)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-09 (500-260461-14)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-11 (500-260461-15)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-16 (500-260461-16)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-22 (500-260461-17)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-19 (500-260461-18)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Duplicate 2 (500-260461-19)		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
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:		Date: 11/21/24		Time: 16:00		Company: Cheyenne Forrest		Received by: Cheyenne Forrest	
Relinquished by:		Date/Time: 11/21/24		Time: 16:00		Company: Cheyenne Forrest		Received by: Cheyenne Forrest	
Relinquished by:		Date/Time: 11/21/24		Time: 16:00		Company: Cheyenne Forrest		Received by: Cheyenne Forrest	
Relinquished by:		Date/Time: 11/21/24		Time: 16:00		Company: Cheyenne Forrest		Received by: Cheyenne Forrest	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Custody Seal Intact: Δ Yes Δ No		Custody Seal Intact: Δ Yes Δ No		Custody Seal Intact: Δ Yes Δ No		Custody Seal Intact: Δ Yes Δ No		Custody Seal Intact: Δ Yes Δ No	
Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260461-1

Login Number: 260461

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5,-0.2,-0.7,-0.2,-2.0,-1.6,-1.9,-1.8,2.7 Samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
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: Powerton CCR

Job ID: 500-260461-1

Client Sample ID: MW-14

Date Collected: 11/18/24 13:45

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798722	RN	EET CHI	12/09/24 13:51
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 19:13
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 07:53
Total/NA	Analysis	300.0		100	798763	MM	EET CHI	12/10/24 23:14
Total/NA	Analysis	300.0		20	799158	MB	EET CHI	12/12/24 17:18
Total/NA	Analysis	SM 2540C		1	796611	SO	EET CHI	11/22/24 09:12
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:29

Client Sample ID: MW-15

Date Collected: 11/18/24 15:28

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798722	RN	EET CHI	12/09/24 13:43
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 19:08
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 07:55
Total/NA	Analysis	300.0		20	798763	MM	EET CHI	12/11/24 00:01
Total/NA	Analysis	SM 2540C		1	796611	SO	EET CHI	11/22/24 09:15
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:33

Client Sample ID: MW-21D

Date Collected: 11/18/24 12:35

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798722	RN	EET CHI	12/09/24 13:47
Total Recoverable	Prep	3005A			798105	S1Z	EET CHI	12/05/24 09:13 - 12/05/24 15:13 ¹
Total Recoverable	Analysis	6020B		1	798542	RN	EET CHI	12/06/24 19:10
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 07:57
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 00:16
Total/NA	Analysis	SM 2540C		1	796611	SO	EET CHI	11/22/24 09:18
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:38

Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: Duplicate

Lab Sample ID: 500-260461-4

Date Collected: 11/19/24 00:00

Matrix: Water

Date Received: 11/20/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:07
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 07:59
Total/NA	Analysis	300.0		5	798763	MM	EET CHI	12/11/24 00:32
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:34
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:44

Client Sample ID: MW-02

Lab Sample ID: 500-260461-5

Date Collected: 11/19/24 11:02

Matrix: Water

Date Received: 11/20/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:10
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:02
Total/NA	Analysis	300.0		5	798763	MM	EET CHI	12/11/24 00:48
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:36
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:48

Client Sample ID: MW-03

Lab Sample ID: 500-260461-6

Date Collected: 11/19/24 12:06

Matrix: Water

Date Received: 11/20/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:12
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:04
Total/NA	Analysis	300.0		5	798763	MM	EET CHI	12/11/24 01:03
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:39
Total/NA	Analysis	SM 4500 F C		1	797536	ER	EET CHI	11/27/24 16:53

Client Sample ID: MW-04

Lab Sample ID: 500-260461-7

Date Collected: 11/19/24 13:55

Matrix: Water

Date Received: 11/20/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:14
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:37
Total/NA	Analysis	300.0		5	798763	MM	EET CHI	12/11/24 01:50

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-04

Date Collected: 11/19/24 13:55

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:42
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 15:39

Client Sample ID: MW-05

Date Collected: 11/19/24 15:02

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:17
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:48
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 02:06
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:44
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 15:44

Client Sample ID: MW-06

Date Collected: 11/19/24 16:09

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:19
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:50
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 02:21
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:47
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 15:48

Client Sample ID: MW-18

Date Collected: 11/19/24 10:03

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:26
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:52
Total/NA	Analysis	300.0		5	798763	MM	EET CHI	12/11/24 02:37
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:49
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 16:06

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-18A

Date Collected: 11/19/24 08:44

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:29
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:54
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 02:52
Total/NA	Analysis	SM 2540C		1	796786	CLB	EET CHI	11/25/24 05:52
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 16:10

Client Sample ID: MW-12R

Date Collected: 11/20/24 12:51

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:31
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:56
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 03:08
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:13
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 16:17

Client Sample ID: MW-07

Date Collected: 11/20/24 09:08

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:33
Total/NA	Prep	7470A			798953	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 08:59
Total/NA	Analysis	300.0		1	798763	MM	EET CHI	12/11/24 03:23
Total/NA	Analysis	300.0		10	799158	MB	EET CHI	12/12/24 18:39
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:20
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 16:23

Client Sample ID: MW-09

Date Collected: 11/20/24 11:34

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:36
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:05

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Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-09

Date Collected: 11/20/24 11:34

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 03:39
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:26
Total/NA	Analysis	SM 4500 F C		1	797725	SO	EET CHI	12/02/24 16:40

Client Sample ID: MW-11

Date Collected: 11/20/24 14:07

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:38
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:07
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 03:55
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:28
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 14:40

Client Sample ID: MW-16

Date Collected: 11/20/24 10:14

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:40
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:14
Total/NA	Analysis	300.0		1	798763	MM	EET CHI	12/11/24 04:10
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:31
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 14:56

Client Sample ID: MW-22

Date Collected: 11/20/24 15:28

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			798274	S1Z	EET CHI	12/05/24 22:15 - 12/06/24 04:15 ¹
Total Recoverable	Analysis	6020B		1	798419	RN	EET CHI	12/06/24 13:43
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:16
Total/NA	Analysis	300.0		10	798763	MM	EET CHI	12/11/24 04:57
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:33
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:01

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Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-19

Date Collected: 11/20/24 16:18

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-18

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 19:21
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 13:04
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:18
Total/NA	Analysis	300.0		5	798788	MM	EET CHI	12/11/24 08:04
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:36
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:06

Client Sample ID: Duplicate 2

Date Collected: 11/20/24 00:00

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-19

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 19:38
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 13:17
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:21
Total/NA	Analysis	300.0		1	798788	MM	EET CHI	12/11/24 08:51
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:39
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:10

Client Sample ID: MW-13

Date Collected: 11/21/24 09:27

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-20

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 19:41
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 13:19
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:23
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 09:07
Total/NA	Analysis	SM 2540C		1	796787	CLB	EET CHI	11/25/24 06:41
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:14

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Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-17

Date Collected: 11/21/24 10:42

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-21

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 19:43
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 13:22
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:25
Total/NA	Analysis	300.0		20	798788	MM	EET CHI	12/11/24 09:22
Total/NA	Analysis	SM 2540C		1	797032	CLB	EET CHI	11/26/24 02:06
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:30

Client Sample ID: MW-08

Date Collected: 11/21/24 12:09

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-22

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 19:46
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 13:29
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:27
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 09:38
Total/NA	Analysis	SM 2540C		1	797032	CLB	EET CHI	11/26/24 02:09
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:35

Client Sample ID: MW-01

Date Collected: 11/21/24 13:30

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-23

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 19:48
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 13:32
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:29
Total/NA	Analysis	300.0		5	798788	MM	EET CHI	12/11/24 09:53
Total/NA	Analysis	SM 2540C		1	797032	CLB	EET CHI	11/26/24 02:11
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:40

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Lab Chronicle

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

Job ID: 500-260461-1

Client Sample ID: MW-10

Date Collected: 11/21/24 15:14

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-24

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 19:51
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 13:34
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:43
Total/NA	Analysis	300.0		5	798788	MM	EET CHI	12/11/24 15:27
Total/NA	Analysis	SM 2540C		1	797032	CLB	EET CHI	11/26/24 02:14
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:45

Client Sample ID: Duplicate 3

Date Collected: 11/21/24 00:00

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-25

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 19:53
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 13:37
Total/NA	Prep	7470A			798954	MJG	EET CHI	12/11/24 10:45 - 12/11/24 12:45 ¹
Total/NA	Analysis	7470A		1	799174	MJG	EET CHI	12/12/24 09:45
Total/NA	Analysis	300.0		10	798788	MM	EET CHI	12/11/24 15:43
Total/NA	Analysis	SM 2540C		1	797032	CLB	EET CHI	11/26/24 02:17
Total/NA	Analysis	SM 4500 F C		1	798114	SO	EET CHI	12/03/24 15:49

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: Powerton CCR

Job ID: 500-260461-1

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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8
9
10
11
12
13

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/2/2025 8:59:56 AM

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-260461-2

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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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	32
QC Association	33
QC Sample Results	35
Chain of Custody	39
Receipt Checklists	53
Chronicle	57
Certification Summary	64
Tracer Carrier Summary	65



Case Narrative

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

Job ID: 500-260461-2

Job ID: 500-260461-2

Eurofins Chicago

Job Narrative 500-260461-2

Receipt

The samples were received on 11/20/24 10:00. 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 -2.0° C, -1.9° C, -1.8° C, -1.6° C, -0.7° C, -0.2° C, -0.2° C, 2.7° C and 5.5° C.

Receipt Exceptions

The reference method requires samples to have a pH of less than 2. The following sample was received with a pH of 7: MW-14 (500-260461-1). The samples were adjusted to the appropriate pH in the laboratory.

Affected containers:

E-1
G-1

Received sample 19 not on COC. Added to COC and logged in.

RAD

Method 904.0: Radium-228 prep batch 160-690777:

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: MW-21D (500-260461-3). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 prep batch 160-690777:

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. (240-214947-AD-2-B)

Method PrecSep_0: Radium-228 prep batch 160-694543:

The LCS and/or LCSD were spiked with RA-226_00043 in case of a Ra-226 RE.

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: Powerton CCR (RAD)

Job ID: 500-260461-2

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: Powerton CCR (RAD)

Job ID: 500-260461-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-260461-1	MW-14	Water	11/18/24 13:45	11/20/24 10:00
500-260461-2	MW-15	Water	11/18/24 15:28	11/20/24 10:00
500-260461-3	MW-21D	Water	11/18/24 12:35	11/20/24 10:00
500-260461-4	Duplicate	Water	11/19/24 00:00	11/20/24 10:00
500-260461-5	MW-02	Water	11/19/24 11:02	11/20/24 10:00
500-260461-6	MW-03	Water	11/19/24 12:06	11/20/24 10:00
500-260461-7	MW-04	Water	11/19/24 13:55	11/20/24 10:00
500-260461-8	MW-05	Water	11/19/24 15:02	11/20/24 10:00
500-260461-9	MW-06	Water	11/19/24 16:09	11/20/24 10:00
500-260461-10	MW-18	Water	11/19/24 10:03	11/20/24 10:00
500-260461-11	MW-18A	Water	11/19/24 08:44	11/20/24 10:00
500-260461-12	MW-12R	Water	11/20/24 12:51	11/21/24 09:50
500-260461-13	MW-07	Water	11/20/24 09:08	11/21/24 09:50
500-260461-14	MW-09	Water	11/20/24 11:34	11/21/24 09:50
500-260461-15	MW-11	Water	11/20/24 14:07	11/21/24 09:50
500-260461-16	MW-16	Water	11/20/24 10:14	11/21/24 09:50
500-260461-17	MW-22	Water	11/20/24 15:28	11/21/24 09:50
500-260461-18	MW-19	Water	11/20/24 16:18	11/21/24 09:50
500-260461-19	Duplicate 2	Water	11/20/24 00:00	11/21/24 09:50
500-260461-20	MW-13	Water	11/21/24 09:27	11/22/24 09:35
500-260461-21	MW-17	Water	11/21/24 10:42	11/22/24 09:35
500-260461-22	MW-08	Water	11/21/24 12:09	11/22/24 09:35
500-260461-23	MW-01	Water	11/21/24 13:30	11/22/24 09:35
500-260461-24	MW-10	Water	11/21/24 15:14	11/22/24 09:35
500-260461-25	Duplicate 3	Water	11/21/24 00:00	11/22/24 09:35

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-14

Lab Sample ID: 500-260461-1

Date Collected: 11/18/24 13:45

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0938	U	0.0773	0.0778	1.00	0.117	pCi/L	11/27/24 08:35	12/27/24 07:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					11/27/24 08:35	12/27/24 07:05	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	0.545	U	0.497	0.499	1.00	0.786	pCi/L	11/27/24 08:38	12/12/24 14:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.1		30 - 110					11/27/24 08:38	12/12/24 14:56	1
Y Carrier	80.0		30 - 110					11/27/24 08:38	12/12/24 14:56	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	0.639	U	0.503	0.505	5.00	0.786	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-15

Lab Sample ID: 500-260461-2

Date Collected: 11/18/24 15:28

Matrix: Water

Date Received: 11/20/24 10:00

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	0.127		0.0811	0.0819	1.00	0.112	pCi/L	11/27/24 08:35	12/27/24 07:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					11/27/24 08:35	12/27/24 07:05	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	0.0688	U	0.442	0.442	1.00	0.816	pCi/L	11/27/24 08:38	12/12/24 14:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					11/27/24 08:38	12/12/24 14:56	1
Y Carrier	75.5		30 - 110					11/27/24 08:38	12/12/24 14:56	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	0.196	U	0.449	0.450	5.00	0.816	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-21D

Lab Sample ID: 500-260461-3

Date Collected: 11/18/24 12:35

Matrix: Water

Date Received: 11/20/24 10:00

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	0.251		0.149	0.151	1.00	0.196	pCi/L	11/27/24 08:35	12/27/24 07:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					11/27/24 08:35	12/27/24 07:05	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	0.844	U G	1.01	1.02	1.00	1.67	pCi/L	11/27/24 08:38	12/12/24 14:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					11/27/24 08:38	12/12/24 14:56	1
Y Carrier	74.8		30 - 110					11/27/24 08:38	12/12/24 14:56	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	1.09	U	1.02	1.03	5.00	1.67	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: Duplicate

Lab Sample ID: 500-260461-4

Date Collected: 11/19/24 00:00

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0174	U	0.0693	0.0693	1.00	0.132	pCi/L	12/02/24 08:05	12/26/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					12/02/24 08:05	12/26/24 17:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.843		0.548	0.554	1.00	0.802	pCi/L	12/02/24 08:10	12/18/24 14:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					12/02/24 08:10	12/18/24 14:53	1
Y Carrier	80.0		30 - 110					12/02/24 08:10	12/18/24 14:53	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	0.860		0.552	0.558	5.00	0.802	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-02

Lab Sample ID: 500-260461-5

Date Collected: 11/19/24 11:02

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0912	U	0.0947	0.0951	1.00	0.151	pCi/L	12/02/24 08:05	12/26/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.5		30 - 110					12/02/24 08:05	12/26/24 17:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.347	U	0.310	0.311	1.00	0.489	pCi/L	12/19/24 08:28	12/26/24 12:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					12/19/24 08:28	12/26/24 12:16	1
Y Carrier	89.3		30 - 110					12/19/24 08:28	12/26/24 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	0.438	U	0.324	0.325	5.00	0.489	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-03

Lab Sample ID: 500-260461-6

Date Collected: 11/19/24 12:06

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0393	U	0.0851	0.0852	1.00	0.152	pCi/L	12/02/24 08:05	12/26/24 17:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					12/02/24 08:05	12/26/24 17:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.105	U	0.454	0.454	1.00	0.887	pCi/L	12/02/24 08:10	12/18/24 14:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					12/02/24 08:10	12/18/24 14:53	1
Y Carrier	80.4		30 - 110					12/02/24 08:10	12/18/24 14:53	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	-0.0657	U	0.462	0.462	5.00	0.887	pCi/L		12/30/24 22:48	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-04

Lab Sample ID: 500-260461-7

Date Collected: 11/19/24 13:55

Matrix: Water

Date Received: 11/20/24 10:00

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	0.00228	U	0.0477	0.0477	1.00	0.100	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.343	0.345	1.00	0.545	pCi/L	12/02/24 08:17	12/19/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					12/02/24 08:17	12/19/24 12:28	1
Y Carrier	83.7		30 - 110					12/02/24 08:17	12/19/24 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	0.375	U	0.346	0.348	5.00	0.545	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-05

Lab Sample ID: 500-260461-8

Date Collected: 11/19/24 15:02

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0838	U	0.110	0.111	1.00	0.184	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.760		0.480	0.485	1.00	0.709	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	78.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.844		0.492	0.498	5.00	0.709	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-06

Lab Sample ID: 500-260461-9

Date Collected: 11/19/24 16:09

Matrix: Water

Date Received: 11/20/24 10:00

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	0.0826	U	0.0807	0.0810	1.00	0.125	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.9		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.108	U	0.417	0.417	1.00	0.748	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	79.6		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.190	U	0.425	0.425	5.00	0.748	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-18

Lab Sample ID: 500-260461-10

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/20/24 10:00

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	0.157	U	0.127	0.128	1.00	0.188	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.5		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.271	U	0.451	0.451	1.00	0.772	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.5		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	87.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.428	U	0.469	0.469	5.00	0.772	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-18A

Lab Sample ID: 500-260461-11

Date Collected: 11/19/24 08:44

Matrix: Water

Date Received: 11/20/24 10:00

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	0.410		0.163	0.167	1.00	0.172	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.9		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.792		0.535	0.540	1.00	0.785	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	81.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.20		0.559	0.565	5.00	0.785	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-12R

Lab Sample ID: 500-260461-12

Date Collected: 11/20/24 12:51

Matrix: Water

Date Received: 11/21/24 09:50

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	0.631		0.204	0.212	1.00	0.205	pCi/L	12/02/24 08:13	12/27/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.9		30 - 110					12/02/24 08:13	12/27/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.654	0.662	1.00	0.950	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	83.0		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.74		0.685	0.695	5.00	0.950	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-07

Lab Sample ID: 500-260461-13

Date Collected: 11/20/24 09:08

Matrix: Water

Date Received: 11/21/24 09:50

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	0.544		0.166	0.173	1.00	0.162	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.963		0.569	0.576	1.00	0.834	pCi/L	12/02/24 08:17	12/19/24 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					12/02/24 08:17	12/19/24 12:29	1
Y Carrier	81.9		30 - 110					12/02/24 08:17	12/19/24 12:29	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.51		0.593	0.601	5.00	0.834	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-09

Lab Sample ID: 500-260461-14

Date Collected: 11/20/24 11:34

Matrix: Water

Date Received: 11/21/24 09:50

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	-0.00717	U	0.0691	0.0691	1.00	0.140	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.426	U	0.346	0.348	1.00	0.533	pCi/L	12/02/24 08:17	12/19/24 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					12/02/24 08:17	12/19/24 12:30	1
Y Carrier	85.2		30 - 110					12/02/24 08:17	12/19/24 12:30	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	0.419	U	0.353	0.355	5.00	0.533	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-11

Lab Sample ID: 500-260461-15

Date Collected: 11/20/24 14:07

Matrix: Water

Date Received: 11/21/24 09:50

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	0.153		0.0937	0.0947	1.00	0.127	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.474	U	0.372	0.375	1.00	0.573	pCi/L	12/02/24 08:17	12/19/24 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					12/02/24 08:17	12/19/24 12:30	1
Y Carrier	86.4		30 - 110					12/02/24 08:17	12/19/24 12:30	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	0.627		0.384	0.387	5.00	0.573	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-16

Lab Sample ID: 500-260461-16

Date Collected: 11/20/24 10:14

Matrix: Water

Date Received: 11/21/24 09:50

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	0.0449	U	0.0750	0.0751	1.00	0.131	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.710	U	0.494	0.498	1.00	0.746	pCi/L	12/02/24 08:17	12/19/24 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					12/02/24 08:17	12/19/24 12:30	1
Y Carrier	81.1		30 - 110					12/02/24 08:17	12/19/24 12:30	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	0.755		0.500	0.504	5.00	0.746	pCi/L		12/31/24 09:38	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-22

Lab Sample ID: 500-260461-17

Date Collected: 11/20/24 15:28

Matrix: Water

Date Received: 11/21/24 09:50

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	0.360		0.134	0.138	1.00	0.142	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.1		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.447	U	0.445	0.447	1.00	0.715	pCi/L	12/02/24 08:17	12/19/24 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.1		30 - 110					12/02/24 08:17	12/19/24 12:30	1
Y Carrier	85.2		30 - 110					12/02/24 08:17	12/19/24 12:30	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	0.807		0.465	0.468	5.00	0.715	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-19

Lab Sample ID: 500-260461-18

Date Collected: 11/20/24 16:18

Matrix: Water

Date Received: 11/21/24 09:50

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	0.167		0.0985	0.0997	1.00	0.129	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.908		0.552	0.558	1.00	0.825	pCi/L	12/02/24 08:17	12/19/24 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					12/02/24 08:17	12/19/24 12:30	1
Y Carrier	81.9		30 - 110					12/02/24 08:17	12/19/24 12:30	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	1.08		0.561	0.567	5.00	0.825	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: Duplicate 2

Lab Sample ID: 500-260461-19

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/21/24 09:50

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	0.0415	U	0.0776	0.0777	1.00	0.137	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.172	U	0.363	0.363	1.00	0.629	pCi/L	12/02/24 08:17	12/19/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					12/02/24 08:17	12/19/24 12:27	1
Y Carrier	84.9		30 - 110					12/02/24 08:17	12/19/24 12:27	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	0.214	U	0.371	0.371	5.00	0.629	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-13

Lab Sample ID: 500-260461-20

Date Collected: 11/21/24 09:27

Matrix: Water

Date Received: 11/22/24 09:35

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	0.226		0.116	0.118	1.00	0.144	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.8		30 - 110					12/02/24 08:13	12/27/24 09:18	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	0.0415	U	0.407	0.407	1.00	0.749	pCi/L	12/02/24 08:17	12/19/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.8		30 - 110					12/02/24 08:17	12/19/24 12:27	1
Y Carrier	81.5		30 - 110					12/02/24 08:17	12/19/24 12:27	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	0.268	U	0.423	0.424	5.00	0.749	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-17

Date Collected: 11/21/24 10:42

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-21

Matrix: Water

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	0.0922	U	0.0897	0.0901	1.00	0.140	pCi/L	12/02/24 08:13	12/27/24 09:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.1		30 - 110					12/02/24 08:13	12/27/24 09:18	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	-0.00301	U	0.437	0.437	1.00	0.809	pCi/L	12/02/24 08:17	12/19/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.1		30 - 110					12/02/24 08:17	12/19/24 12:27	1
Y Carrier	80.7		30 - 110					12/02/24 08:17	12/19/24 12:27	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	0.0892	U	0.446	0.446	5.00	0.809	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-08

Lab Sample ID: 500-260461-22

Date Collected: 11/21/24 12:09

Matrix: Water

Date Received: 11/22/24 09:35

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	0.190		0.0974	0.0989	1.00	0.115	pCi/L	12/02/24 08:13	12/27/24 14:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/02/24 08:13	12/27/24 14:55	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	0.478	U	0.451	0.454	1.00	0.720	pCi/L	12/02/24 08:17	12/19/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/02/24 08:17	12/19/24 12:27	1
Y Carrier	76.6		30 - 110					12/02/24 08:17	12/19/24 12:27	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	0.668	U	0.461	0.465	5.00	0.720	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-01

Lab Sample ID: 500-260461-23

Date Collected: 11/21/24 13:30

Matrix: Water

Date Received: 11/22/24 09:35

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	0.138		0.0884	0.0892	1.00	0.119	pCi/L	12/02/24 08:13	12/27/24 14:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					12/02/24 08:13	12/27/24 14:55	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	0.598		0.393	0.397	1.00	0.579	pCi/L	12/02/24 08:17	12/19/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					12/02/24 08:17	12/19/24 12:27	1
Y Carrier	81.1		30 - 110					12/02/24 08:17	12/19/24 12:27	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	0.736		0.403	0.407	5.00	0.579	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: MW-10

Lab Sample ID: 500-260461-24

Date Collected: 11/21/24 15:14

Matrix: Water

Date Received: 11/22/24 09:35

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	0.212		0.120	0.121	1.00	0.164	pCi/L	12/02/24 08:13	12/27/24 14:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/02/24 08:13	12/27/24 14:55	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	0.747		0.438	0.444	1.00	0.636	pCi/L	12/02/24 08:17	12/19/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					12/02/24 08:17	12/19/24 12:28	1
Y Carrier	89.3		30 - 110					12/02/24 08:17	12/19/24 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	0.958		0.454	0.460	5.00	0.636	pCi/L		12/31/24 15:13	1

Client Sample Results

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

Job ID: 500-260461-2

Client Sample ID: Duplicate 3

Lab Sample ID: 500-260461-25

Date Collected: 11/21/24 00:00

Matrix: Water

Date Received: 11/22/24 09:35

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	0.0255	U	0.0771	0.0771	1.00	0.143	pCi/L	12/02/24 08:13	12/27/24 14:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					12/02/24 08:13	12/27/24 14:55	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	-0.0183	U	0.348	0.348	1.00	0.656	pCi/L	12/02/24 08:17	12/19/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					12/02/24 08:17	12/19/24 12:28	1
Y Carrier	85.2		30 - 110					12/02/24 08:17	12/19/24 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	0.00713	U	0.356	0.356	5.00	0.656	pCi/L		12/31/24 15:13	1

Definitions/Glossary

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

Job ID: 500-260461-2

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: Powerton CCR (RAD)

Job ID: 500-260461-2

Rad

Prep Batch: 690776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	PrecSep-21	
500-260461-2	MW-15	Total/NA	Water	PrecSep-21	
500-260461-3	MW-21D	Total/NA	Water	PrecSep-21	
MB 160-690776/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-690776/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 690777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-1	MW-14	Total/NA	Water	PrecSep_0	
500-260461-2	MW-15	Total/NA	Water	PrecSep_0	
500-260461-3	MW-21D	Total/NA	Water	PrecSep_0	
MB 160-690777/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-690777/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 691387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-4	Duplicate	Total/NA	Water	PrecSep-21	
500-260461-5	MW-02	Total/NA	Water	PrecSep-21	
500-260461-6	MW-03	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
500-260461-4	Duplicate	Total/NA	Water	PrecSep_0	
500-260461-6	MW-03	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: 691393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-7	MW-04	Total/NA	Water	PrecSep-21	
500-260461-8	MW-05	Total/NA	Water	PrecSep-21	
500-260461-9	MW-06	Total/NA	Water	PrecSep-21	
500-260461-10	MW-18	Total/NA	Water	PrecSep-21	
500-260461-11	MW-18A	Total/NA	Water	PrecSep-21	
500-260461-12	MW-12R	Total/NA	Water	PrecSep-21	
500-260461-13	MW-07	Total/NA	Water	PrecSep-21	
500-260461-14	MW-09	Total/NA	Water	PrecSep-21	
500-260461-15	MW-11	Total/NA	Water	PrecSep-21	
500-260461-16	MW-16	Total/NA	Water	PrecSep-21	
500-260461-17	MW-22	Total/NA	Water	PrecSep-21	
500-260461-18	MW-19	Total/NA	Water	PrecSep-21	
500-260461-19	Duplicate 2	Total/NA	Water	PrecSep-21	
500-260461-20	MW-13	Total/NA	Water	PrecSep-21	
500-260461-21	MW-17	Total/NA	Water	PrecSep-21	
500-260461-22	MW-08	Total/NA	Water	PrecSep-21	
500-260461-23	MW-01	Total/NA	Water	PrecSep-21	
500-260461-24	MW-10	Total/NA	Water	PrecSep-21	
500-260461-25	Duplicate 3	Total/NA	Water	PrecSep-21	
MB 160-691393/1-A	Method Blank	Total/NA	Water	PrecSep-21	

Eurofins Chicago

QC Association Summary

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

Job ID: 500-260461-2

Rad (Continued)

Prep Batch: 691393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-691393/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-260461-7 DU	MW-04	Total/NA	Water	PrecSep-21	

Prep Batch: 691394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-7	MW-04	Total/NA	Water	PrecSep_0	
500-260461-8	MW-05	Total/NA	Water	PrecSep_0	
500-260461-9	MW-06	Total/NA	Water	PrecSep_0	
500-260461-10	MW-18	Total/NA	Water	PrecSep_0	
500-260461-11	MW-18A	Total/NA	Water	PrecSep_0	
500-260461-12	MW-12R	Total/NA	Water	PrecSep_0	
500-260461-13	MW-07	Total/NA	Water	PrecSep_0	
500-260461-14	MW-09	Total/NA	Water	PrecSep_0	
500-260461-15	MW-11	Total/NA	Water	PrecSep_0	
500-260461-16	MW-16	Total/NA	Water	PrecSep_0	
500-260461-17	MW-22	Total/NA	Water	PrecSep_0	
500-260461-18	MW-19	Total/NA	Water	PrecSep_0	
500-260461-19	Duplicate 2	Total/NA	Water	PrecSep_0	
500-260461-20	MW-13	Total/NA	Water	PrecSep_0	
500-260461-21	MW-17	Total/NA	Water	PrecSep_0	
500-260461-22	MW-08	Total/NA	Water	PrecSep_0	
500-260461-23	MW-01	Total/NA	Water	PrecSep_0	
500-260461-24	MW-10	Total/NA	Water	PrecSep_0	
500-260461-25	Duplicate 3	Total/NA	Water	PrecSep_0	
MB 160-691394/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-691394/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-260461-7 DU	MW-04	Total/NA	Water	PrecSep_0	

Prep Batch: 694543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-260461-5	MW-02	Total/NA	Water	PrecSep_0	
MB 160-694543/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-694543/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-260461-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-690776/1-A

Matrix: Water

Analysis Batch: 695576

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 690776

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0000	U	0.0444	0.0444	1.00	0.0941	pCi/L	11/27/24 08:35	12/27/24 06:59	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					11/27/24 08:35	12/27/24 06:59	1

Lab Sample ID: LCS 160-690776/2-A

Matrix: Water

Analysis Batch: 695576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 690776

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.939		1.05	1.00	0.107	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	78.4		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	0.08709	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 160-691393/1-A

Matrix: Water

Analysis Batch: 695577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 691393

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06156	U	0.0634	0.0637	1.00	0.0985	pCi/L	12/02/24 08:13	12/27/24 09:19	1

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QC Sample Results

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

Job ID: 500-260461-2

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

Lab Sample ID: MB 160-691393/1-A
Matrix: Water
Analysis Batch: 695577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691393

	MB	MB									
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac					
Ba Carrier	88.8		30 - 110	12/02/24 08:13	12/27/24 09:19	1					

Lab Sample ID: LCS 160-691393/2-A
Matrix: Water
Analysis Batch: 695577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691393

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	9.58	8.909		0.972	1.00	0.112	pCi/L	93	75 - 125		

	LCS	LCS		
Carrier	%Yield	Qualifier	Limits	
Ba Carrier	84.5		30 - 110	

Lab Sample ID: 500-260461-7 DU
Matrix: Water
Analysis Batch: 695577

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 691393

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.00228	U	0.01625	U	0.0643	1.00	0.124	pCi/L	0.12	1

	DU	DU		
Carrier	%Yield	Qualifier	Limits	
Ba Carrier	81.7		30 - 110	

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-690777/1-A
Matrix: Water
Analysis Batch: 693288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 690777

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.005335	U	0.296	0.296	1.00	0.565	pCi/L	11/27/24 08:38	12/12/24 12:29	1

	MB	MB								
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
Ba Carrier	85.5		30 - 110	11/27/24 08:38	12/12/24 12:29	1				
Y Carrier	81.9		30 - 110	11/27/24 08:38	12/12/24 12:29	1				

Lab Sample ID: LCS 160-690777/2-A
Matrix: Water
Analysis Batch: 693288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 690777

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	8.27	9.907		1.49	1.00	0.747	pCi/L	120	75 - 125		

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QC Sample Results

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

Job ID: 500-260461-2

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

Lab Sample ID: LCS 160-690777/2-A

Matrix: Water

Analysis Batch: 693288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 690777

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Ba Carrier	78.4		30 - 110
Y Carrier	73.6		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 MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.1481	U	0.313	0.314	1.00	0.654	pCi/L	12/02/24 08:10	12/18/24 12:35	1
MB MB										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	79.9		30 - 110							
Y Carrier	78.5		30 - 110							
				Prepared	Analyzed	Dil Fac				
				12/02/24 08:10	12/18/24 12:35	1				
				12/02/24 08:10	12/18/24 12:35	1				

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 LCS		Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
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 160-691394/1-A

Matrix: Water

Analysis Batch: 694579

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 691394

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.06242	U	0.365	0.365	1.00	0.657	pCi/L	12/02/24 08:17	12/19/24 12:28	1
MB MB										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	88.8		30 - 110							
Y Carrier	86.0		30 - 110							
				Prepared	Analyzed	Dil Fac				
				12/02/24 08:17	12/19/24 12:28	1				
				12/02/24 08:17	12/19/24 12:28	1				

Lab Sample ID: LCS 160-691394/2-A

Matrix: Water

Analysis Batch: 694579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 691394

Analyte	Spike Added	LCS LCS		Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	8.25	7.668		1.18	1.00	0.661	pCi/L	93	75 - 125

Eurofins Chicago

QC Sample Results

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

Job ID: 500-260461-2

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

Lab Sample ID: LCS 160-691394/2-A
Matrix: Water
Analysis Batch: 694579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691394

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	84.5		30 - 110
Y Carrier	82.2		30 - 110

Lab Sample ID: 500-260461-7 DU
Matrix: Water
Analysis Batch: 694579

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 691394

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-228	0.372	U	0.8658		0.479	1.00	0.666	pCi/L	0.60	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	81.7		30 - 110
Y Carrier	75.9		30 - 110

Lab Sample ID: MB 160-694543/1-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694543

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5759	U	0.389	0.393	1.00	0.581	pCi/L	12/19/24 08:28	12/26/24 12:15	1

	MB	MB						Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	84.1		30 - 110					12/19/24 08:28	12/26/24 12:15	1
Y Carrier	81.5		30 - 110					12/19/24 08:28	12/26/24 12:15	1

Lab Sample ID: LCS 160-694543/2-A
Matrix: Water
Analysis Batch: 695352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694543

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.23	8.423		1.16	1.00	0.463	pCi/L	102	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	95.4		30 - 110
Y Carrier	87.9		30 - 110

Eurofins Chicago

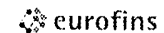
2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax. 708-534 5211

Chain of Custody Record

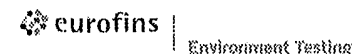
MKE 232



Environment Testing

Client Information		Sampler <i>Kaelyn Sperle</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-129749-49657 2					
Client Contact Kaelyn Sperle		Phone: <i>262-278-1621</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin <i>IL</i>		Page Page 2 of 3 - 1 of 1					
Company KPRG and Associates, Inc.		PWSID		Analysis Requested									
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested <i>Standard</i>		 500-260461 COC						Job # <i>500-260461</i>			
City Brookfield		TAT Requested (days) <i>standard</i>								Preservation Codes O HNO3 N None			
State Zip: WI, 53005		Compliance Project ☐ Yes ☐ No											
Phone 262-781-0475(Tel)		PO #: 4502160845											
Email: kaelyns@kprginc.com		WO #:											
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project # 50011612		Total Number of containers						Other			
Site		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)	Perform MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE	SM4500_SO4_E - Sulfate	Special Instructions/Note:	
				Preservation Code:		☒	☒	D	D	N	N		
~~MW-12~~					Water								
~~MW-13~~					Water								
1 MW-14		11/18/24	1345	G	Water	N	N	X	X	X	X		7
2 MW-15		11/18/24	1528	G	Water	N	N	X	X	X	X		7
~~MW-16~~					Water								
~~MW-17~~					Water								
~~MW-18~~					Water								
~~MW-19~~					Water								
~~MW-20~~					Water								
~~MW-21~~					Water								
3 MW-21D		11/18/24	1235	G	Water	N	N	X	X	X	X		7
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>Kaelyn Sperle</i>				Date/Time 11/18/24/1720		Company KPRG		Received by <i>FedEx</i>		Date/Time 11/18/24/1720		Company FedEx	
Relinquished by				Date/Time		Company		Received by <i>Stephanie Hemminger</i>		Date/Time 11/20/24 1000		Company FEIA	
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>6.1 + 5.5</i>									

MIKE 232



Client Information		Sampler Kaelyn Sperle		Lab PM Mockler, Diana J		Carrier Tracking No(s) 500-129749-49657 1		
Client Contact Kaelyn Sperle		Phone: 262-278-1621		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin: IL		
Company KPRG and Associates, Inc.		PWSID		Analysis Requested				
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested Standard		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 8020A, 7470A 2540C, 4500_F_C, SM4500_C1_E SM4500_SO4_E - Sulfate Total Number of Containers				
City Brookfield		TAT Requested (days) Standard						
State, Zip: WI, 53005		Compliance Project ☐ Yes ☐ No						
Phone: 262-781-0475(Tel)		PO #: 4502160845						
Email: kaelyns@kprginc.com		WO #:						
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		Preservation Codes: D - HNO3 N - None Other:				
Site:		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)	Special Instructions/Note:		
~~MW-01~~ Duplicate 1		11/19/24	-	G	Water	7		
MW-02		11/19/24	1102		Water			
MW-03		11/19/24	1206		Water			
MW-04		11/19/24	1355		Water			
MW-05		11/19/24	1502		Water			
MW-06		11/19/24	1609		Water			
~~MW-07~~ MW-18		11/19/24	1003		Water			
~~MW-08~~ MW-18A		11/19/24	0844		Water			
~~MW-09~~					Water			
~~MW-10~~					Water			
~~MW-11~~					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: Kaelyn Sperle			Date/Time: 11/19/24/1745		Company: KPRG		Received by: FedEx	
Relinquished by:			Date/Time:		Company:		Date/Time: 11/19/24/1745	
Relinquished by:			Date/Time:		Company:		Date/Time: 11/20/24 1000	
Relinquished by:			Date/Time:		Company:		Date/Time:	
Custody Seals Intact. ☐ Yes ☐ No			Custody Seal No		Cooler Temperature(s) °C and Other Remarks. 0.1+-0.2, -0.4+-0.7, 0.1+-0.2			

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

MKE 232

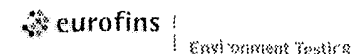
eurofins | Environment Testing

Client Information		Sampler Kaelyn Sperle		Lab PM Mockler, Diana J		Carrier Tracking No(s).		COC No: 500-129749-49657 2							
Client Contact: Kaelyn Sperle		Phone: 262-278-1621		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin IL		Page: Page 2 of 3 Page 1 of 1							
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: 500-260461					
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested Standard		Field Filtered Sample (Yes or No) Perform H5/H5B (Yes or No) 903.0, 904.0 6020A, 7470A 2540C, 4500_F_C, SM4500_CLE SM4500_S04_E - Sulfate Total Number of Containers						Preservation Codes: D - HNO3 N - None					
City: Brookfield		TAT Requested (days) Standard								Other:					
State, Zip: WI, 53005		Compliance Project ☐ Yes ☐ No													
Phone: 262-781-0475(Tel)		PO #: 4502160845													
Email: kaelyns@kprginc.com		WO #:													
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612													
Site:		SSOW#:													
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform H5/H5B (Yes or No)		Special Instructions/Note:	
12 MW-12 R		11/20/24		1251		G		Water		N		N		X X X X	
13 ~~MW-12~~ MW-07		11/20/24		0908		G		Water		N		N		X X X X	
14 ~~MW-12~~ MW-09		11/20/24		1134		G		Water		N		N		X X X X	
15 ~~MW-12~~ MW-11		11/20/24		1407		G		Water		N		N		X X X X	
16 MW-16		11/20/24		1014		G		Water		N		N		X X X X	
17 ~~MW-16~~ MW-22		11/20/24		1528		G		Water		N		N		X X X X	
18 MW-19		11/20/24		1618		G		Water		N		N		X X X X	
19 ~~MW-20~~ Duplicate 2		11/20/24						Water							
~~MW-21~~								Water							
~~MW-21B~~								Water							
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested I, II, III, IV, Other (specify)										Special Instructions/QC Requirements.					
Empty Kit Relinquished by				Date		Time		Method of Shipment:							
Relinquished by: Kaelyn Sperle				Date/Time 11/20/24/1745		Company KPRG		Received by: FedEx				Date/Time 11/20/24/1745		Company FedEx	
Relinquished by:				Date/Time:		Company		Received by: Shirley Smith				Date/Time 11/21/24 0950		Company EBTA	
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: -1.2 → -2.0, -1.3 → -1.6, -1.6 → -1.9											

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534 5211

Chain of Custody Record

MKE 232

[illegible]

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

CAD: 0780307/CAFE3855

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

045-017

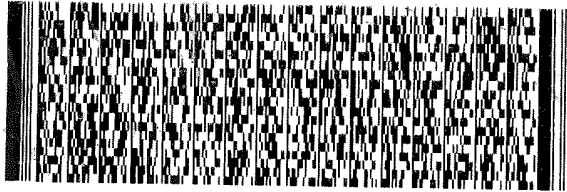
UNIVERSITY PARK IL 60484

(708) 534-5200
INV:
PO:

REF:

DEPT:

RMA



FedEx
Express



J24302407040101

FedEx
TRK#
0221 **4221 9521 5810**

WED - 20 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



REF: 59489434 N W EXP: 02/25
REF: 59489434 N W EXP: 02/25

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

CAD: 0780307/CAFE3855

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

045-017

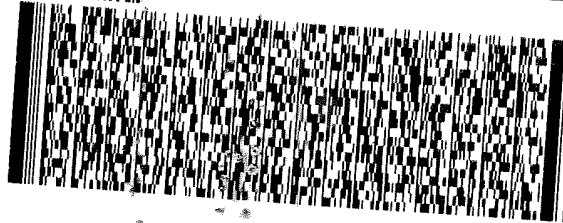
UNIVERSITY PARK IL 60484

(708) 534-5200
INV:
PO:

REF:

DEPT:

RMA



FedEx
Express



J24302407040101

FedEx
TRK#
0221 **4221 9521 5842**

WED - 20 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



REF: 59489434 N W EXP: 02/25
REF: 59489434 N W EXP: 02/25



500-260461 Waybi

ALL ASSOCIATES, INC
305 LISBON ROAD
WILKES BARRE, PA 18705
UNITED STATES OF AMERICA

POSTNET
CAD: 0780307/CAFE3855

SAMPLE RECEIPT
UROFINS CHICAGO
417 BOND ST.

6.1 - 55

UNIVERSITY PARK IL 60484

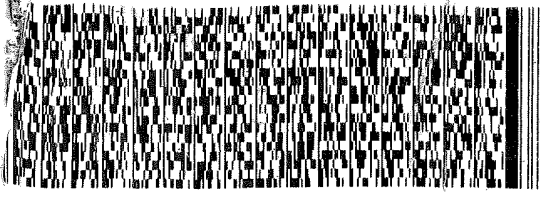
48QT

11/19/2025 10:30 AM
SRCA/706/2/255

334-5200

REF:

DEPT



J-4 J024070401 UN

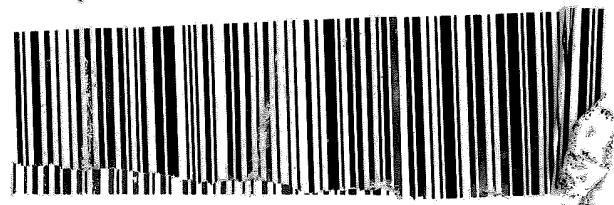
FedEx
WORK# 4221 9521 6025

TUE - 19 NOV 10:30A
PRIORITY OVERNIGHT

KP JOTA

60484
IL-US ORD

EXP 07/25



KOELLIN STENLE
KPRG AND ASSOCIATES, INC
14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

NOV 19 11 23 AM '11
CAD: 0780307/CAFE3855

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

011-5-02

UNIVERSITY PARK IL 60484

(708) 534-5200

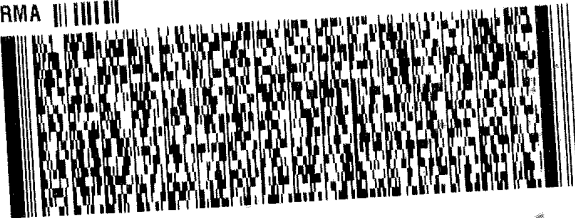
REF

DEPT:

INU

PG

RMA



FedEx
Express



J2430240704018

FedEx

TRK# **4221 9521 5820**

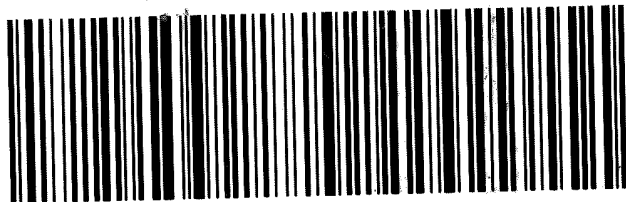
0221

WED - 20 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US **ORD**



EXP 11/20/2011 11:23 AM

DELIVER TO
KPRG AND ASSOCIATES, INC
14685 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 03 00 00
CAD: 0780307/CAF



500-260461 Waybi

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

UNIVERSITY PARK IL 60484

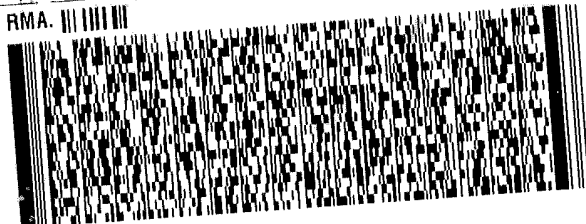
(708) 634-6200

REF

DEPT

THU:
PO:

RMA. 11111111



FedEx
Express



J24302407040101

FedEx

TRK#
0221

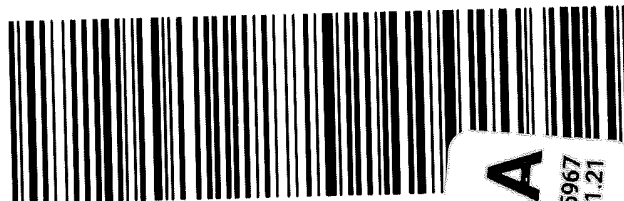
4221 9521 5967

THU - 21 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD



A
5967
11.21

DELIVER TO
KPRG AND ASSOCIATES, INC
14685 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

ACTIVITY: 03 00 00
CAD: 0780307/CAFE3855

Page # 139469-434 MTW EXP 02/25

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

UNIVERSITY PARK IL 60484

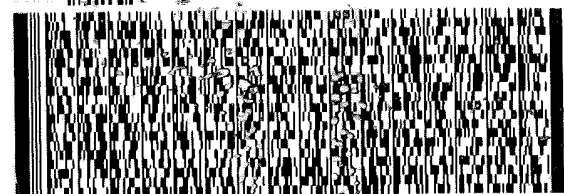
(708) 634-6200

REF

DEPT

THU:
PO:

RMA. 11111111



FedEx
Express



J24302407040101

FedEx

TRK#
0221

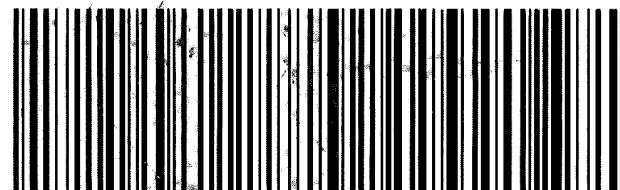
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THU - 21 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD



KPRG AND ASSOCIATES, INC
14685 W. LISAON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

CAD: 0780307/CAFE3855

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

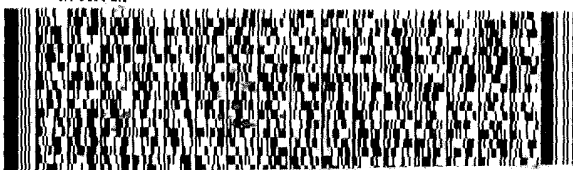
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA. 11111111



FedEx
Express



FedEx

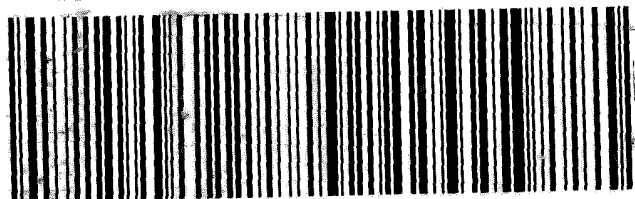
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0221

THU - 21 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD



Pat # 159469-434 MTW EXP 02/25

Pat # 159469-434 MTW EXP 07/25

KRELLIN ASSOCIATES, INC.
14665 W LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

DIRECT: 0780307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

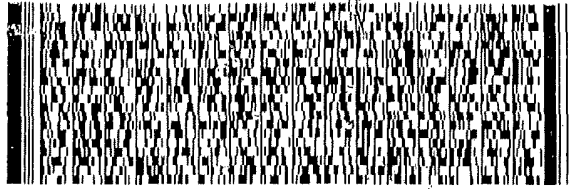
UNIVERSITY PARK IL 60484

(708) 634 5200

REF:

DEPT:

RMA



FedEx
Express



JD4J024071401

TRK# 4221 9521 5772

RETURNS MON-SAT

PRIORITY OVERNIGHT

FRI - 22 NOV AA

PRIORITY OVERNIGHT

NSR

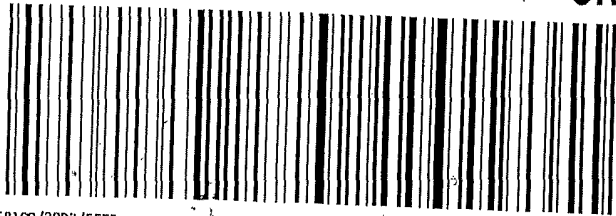
XP JOTA

48QT

60484

IL-US

ORD



581G8/39D3/5FE5

Do Not Lift Using This Tag



FedEx

TRK# 4221 9521 5794

FRI - 22 NOV A/
PRIORITY OVERNIGHT

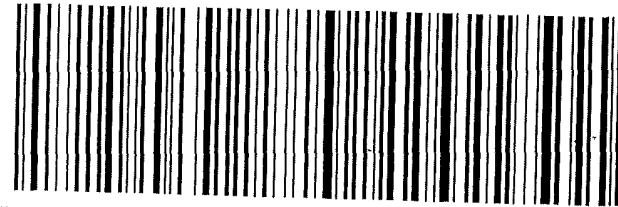
500-260461 Waybi

XP JOTA

60484

IL-US

ORD



4275846 21Nov2024 P1AA 581G8/39D3/5FE5

Place Label Here

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Mockler, Diana J		Carrier Tracking No(s): N/A		COC No: 500-195492.1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Diana Mockler@et.eurofins.com		State of Origin: Illinois		Page: Page 1 of 1	
Company: TesAmerica Laboratories, Inc.		Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-260461-1		Preservation Codes:	
City: Earth City		State, Zip: MO, 63045		PO #: N/A		WO #: N/A		Project #: 50011612	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Email: N/A		Site: N/A		SSOW#: N/A		Due Date Requested: 12/13/2024	
TAT Requested (days):		N/A		Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)		903.0/PrecSep_21 Standard Target List	
Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, BT=Tissue, A=Air)		Preservation Code:	
MW-12R (500-260461-12)		11/20/24		12:51 Central		G		Water	
MW-07 (500-260461-13)		11/20/24		09:08 Central		G		Water	
MW-09 (500-260461-14)		11/20/24		11:34 Central		G		Water	
MW-11 (500-260461-15)		11/20/24		14:07 Central		G		Water	
MW-16 (500-260461-16)		11/20/24		10:14 Central		G		Water	
MW-22 (500-260461-17)		11/20/24		15:28 Central		G		Water	
MW-19 (500-260461-18)		11/20/24		16:18 Central		G		Water	
Duplicate 2 (500-260461-19)		11/20/24		Central		G		Water	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, BT=Tissue, A=Air)	
MW-12R (500-260461-12)		11/20/24		12:51 Central		G		Water	
MW-07 (500-260461-13)		11/20/24		09:08 Central		G		Water	
MW-09 (500-260461-14)		11/20/24		11:34 Central		G		Water	
MW-11 (500-260461-15)		11/20/24		14:07 Central		G		Water	
MW-16 (500-260461-16)		11/20/24		10:14 Central		G		Water	
MW-22 (500-260461-17)		11/20/24		15:28 Central		G		Water	
MW-19 (500-260461-18)		11/20/24		16:18 Central		G		Water	
Duplicate 2 (500-260461-19)		11/20/24		Central		G		Water	
Total Number of Containers		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Special Instructions/Note:		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Other: N/A		3		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Analysis Requested		903.0/PrecSep_21 Standard Target List		904.0/PrecSep_20 Standard Target List		Ra226Ra228_GFPc		Total Number of Containers	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab		Archive For		Months	
Possible Hazard Identification		Unconfirmed		Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Empty Kit Relinquished by:	
Relinquished by: [Signature]		Date/Time: 11/21/24 16:00		Company: Cheyenne Forrest		Received by: [Signature]		Date/Time: 11/22/24	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seal No.:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260461-2

Login Number: 260461

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5,-0.2,-0.7,-0.2,-2.0,-1.6,-1.9,-1.8,2.7 Samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260461-2

Login Number: 260461

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/21/24 01:57 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: 500-260461-2

Login Number: 260461

List Number: 3

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.

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-260461-2

Login Number: 260461

List Number: 4

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

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-14

Date Collected: 11/18/24 13:45

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690776	BCE	EET SL	11/27/24 08:35
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 07:05
Total/NA	Prep	PrecSep_0			690777	BCE	EET SL	11/27/24 08:38
Total/NA	Analysis	904.0		1	693277	SCB	EET SL	12/12/24 14:56
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Client Sample ID: MW-15

Date Collected: 11/18/24 15:28

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690776	BCE	EET SL	11/27/24 08:35
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 07:05
Total/NA	Prep	PrecSep_0			690777	BCE	EET SL	11/27/24 08:38
Total/NA	Analysis	904.0		1	693277	SCB	EET SL	12/12/24 14:56
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Client Sample ID: MW-21D

Date Collected: 11/18/24 12:35

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			690776	BCE	EET SL	11/27/24 08:35
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 07:05
Total/NA	Prep	PrecSep_0			690777	BCE	EET SL	11/27/24 08:38
Total/NA	Analysis	904.0		1	693277	SCB	EET SL	12/12/24 14:56
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Client Sample ID: Duplicate

Date Collected: 11/19/24 00:00

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-4

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	695377	FLC	EET SL	12/26/24 17:34
Total/NA	Prep	PrecSep_0			691391	MLT	EET SL	12/02/24 08:10
Total/NA	Analysis	904.0		1	694324	SCB	EET SL	12/18/24 14:53
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-02

Date Collected: 11/19/24 11:02

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-5

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	695377	FLC	EET SL	12/26/24 17:34
Total/NA	Prep	PrecSep_0			694543	MLT	EET SL	12/19/24 08:28
Total/NA	Analysis	904.0		1	695352	FLC	EET SL	12/26/24 12:16
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Client Sample ID: MW-03

Date Collected: 11/19/24 12:06

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-6

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	695377	FLC	EET SL	12/26/24 17:34
Total/NA	Prep	PrecSep_0			691391	MLT	EET SL	12/02/24 08:10
Total/NA	Analysis	904.0		1	694324	SCB	EET SL	12/18/24 14:53
Total/NA	Analysis	Ra226_Ra228		1	695980	EMH	EET SL	12/30/24 22:48

Client Sample ID: MW-04

Date Collected: 11/19/24 13:55

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:28
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-05

Date Collected: 11/19/24 15:02

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-06

Date Collected: 11/19/24 16:09

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-18

Date Collected: 11/19/24 10:03

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-18A

Date Collected: 11/19/24 08:44

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-12R

Date Collected: 11/20/24 12:51

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695577	EMH	EET SL	12/27/24 09:20
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-07

Date Collected: 11/20/24 09:08

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:29
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-09

Date Collected: 11/20/24 11:34

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:30
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-11

Date Collected: 11/20/24 14:07

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:30
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Client Sample ID: MW-16

Date Collected: 11/20/24 10:14

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:30
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 09:38

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-22

Date Collected: 11/20/24 15:28

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:30
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: MW-19

Date Collected: 11/20/24 16:18

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694579	SCB	EET SL	12/19/24 12:30
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: Duplicate 2

Date Collected: 11/20/24 00:00

Date Received: 11/21/24 09:50

Lab Sample ID: 500-260461-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:27
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: MW-13

Date Collected: 11/21/24 09:27

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:27
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: MW-17

Date Collected: 11/21/24 10:42

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695581	EMH	EET SL	12/27/24 09:18
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:27
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: MW-08

Date Collected: 11/21/24 12:09

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695576	EMH	EET SL	12/27/24 14:55
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:27
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: MW-01

Date Collected: 11/21/24 13:30

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695576	EMH	EET SL	12/27/24 14:55
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:27
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Client Sample ID: MW-10

Date Collected: 11/21/24 15:14

Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695576	EMH	EET SL	12/27/24 14:55
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:28
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

Lab Chronicle

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

Job ID: 500-260461-2

Client Sample ID: Duplicate 3
Date Collected: 11/21/24 00:00
Date Received: 11/22/24 09:35

Lab Sample ID: 500-260461-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			691393	MLT	EET SL	12/02/24 08:13
Total/NA	Analysis	903.0		1	695576	EMH	EET SL	12/27/24 14:55
Total/NA	Prep	PrecSep_0			691394	MLT	EET SL	12/02/24 08:17
Total/NA	Analysis	904.0		1	694580	SCB	EET SL	12/19/24 12:28
Total/NA	Analysis	Ra226_Ra228		1	696108	FLC	EET SL	12/31/24 15:13

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: Powerton CCR (RAD)

Job ID: 500-260461-2

Laboratory: Eurofins St. Louis

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

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

1
2
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Tracer/Carrier Summary

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

Job ID: 500-260461-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
500-260461-1	MW-14	90.1					
500-260461-2	MW-15	87.6					
500-260461-3	MW-21D	85.3					
500-260461-4	Duplicate	83.2					
500-260461-5	MW-02	69.5					
500-260461-6	MW-03	80.7					
500-260461-7	MW-04	93.1					
500-260461-7 DU	MW-04	81.7					
500-260461-8	MW-05	79.9					
500-260461-9	MW-06	75.9					
500-260461-10	MW-18	82.5					
500-260461-11	MW-18A	75.9					
500-260461-12	MW-12R	73.9					
500-260461-13	MW-07	93.1					
500-260461-14	MW-09	83.5					
500-260461-15	MW-11	87.3					
500-260461-16	MW-16	74.9					
500-260461-17	MW-22	73.1					
500-260461-18	MW-19	78.9					
500-260461-19	Duplicate 2	87.6					
500-260461-20	MW-13	71.8					
500-260461-21	MW-17	72.1					
500-260461-22	MW-08	77.9					
500-260461-23	MW-01	83.5					
500-260461-24	MW-10	77.9					
500-260461-25	Duplicate 3	78.7					
LCS 160-690776/2-A	Lab Control Sample	78.4					
LCS 160-691387/2-A	Lab Control Sample	86.0					
LCS 160-691393/2-A	Lab Control Sample	84.5					
MB 160-690776/1-A	Method Blank	85.5					
MB 160-691387/1-A	Method Blank	79.9					
MB 160-691393/1-A	Method Blank	88.8					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
500-260461-1	MW-14	90.1	80.0				
500-260461-2	MW-15	87.6	75.5				
500-260461-3	MW-21D	85.3	74.8				
500-260461-4	Duplicate	83.2	80.0				
500-260461-5	MW-02	96.4	89.3				
500-260461-6	MW-03	80.7	80.4				
500-260461-7	MW-04	93.1	83.7				
500-260461-7 DU	MW-04	81.7	75.9				

Eurofins Chicago

Tracer/Carrier Summary

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

Job ID: 500-260461-2

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)
500-260461-8	MW-05	79.9	78.9
500-260461-9	MW-06	75.9	79.6
500-260461-10	MW-18	82.5	87.9
500-260461-11	MW-18A	75.9	81.9
500-260461-12	MW-12R	73.9	83.0
500-260461-13	MW-07	93.1	81.9
500-260461-14	MW-09	83.5	85.2
500-260461-15	MW-11	87.3	86.4
500-260461-16	MW-16	74.9	81.1
500-260461-17	MW-22	73.1	85.2
500-260461-18	MW-19	78.9	81.9
500-260461-19	Duplicate 2	87.6	84.9
500-260461-20	MW-13	71.8	81.5
500-260461-21	MW-17	72.1	80.7
500-260461-22	MW-08	77.9	76.6
500-260461-23	MW-01	83.5	81.1
500-260461-24	MW-10	77.9	89.3
500-260461-25	Duplicate 3	78.7	85.2
LCS 160-690777/2-A	Lab Control Sample	78.4	73.6
LCS 160-691391/2-A	Lab Control Sample	86.0	81.9
LCS 160-691394/2-A	Lab Control Sample	84.5	82.2
LCS 160-694543/2-A	Lab Control Sample	95.4	87.9
MB 160-690777/1-A	Method Blank	85.5	81.9
MB 160-691391/1-A	Method Blank	79.9	78.5
MB 160-691394/1-A	Method Blank	88.8	86.0
MB 160-694543/1-A	Method Blank	84.1	81.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier