



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

**FEDERAL CCR COMPLIANCE
ANNUAL GROUNDWATER MONITORING and
CORRECTIVE ACTION REPORT – 2024
ASH BY-PASS BASIN AND ASH SURGE BASIN**

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

Prepared By: KPRG and Associates, Inc.
14665 West Lisbon Road, Suite 1A
Brookfield, WI 53005

January 31, 2025

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OVERVIEW

Groundwater monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94 and 257.95, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule dated April 17, 2015 (CCR Rule) and subsequent amendments, have been completed for the ash 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 Ash Surge Basin (ASB) and the Ash By-pass basin (ABB). The monitoring well network around these ponds consists of monitoring wells MW-01 [upgradient], MW-08, MW-09 [upgradient], MW-11, MW-12/12R, MW-15, MW-17, MW-18 and MW-19 [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 units were 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 units continues to operate under the assessment monitoring program outlined in Section 257.95.
- Section 257.90(e)(6)(iii) – The following statistically significant increases (SSIs) above established background for the Appendix III detection monitoring constituents were noted during this monitoring period:
 - o MW-01: Boron (1st and 4th quarters), pH (1st quarter), TDS (1st quarter)
 - o MW-19: Chloride (2nd quarter), fluoride (4th quarter)
 - o MW-08: Calcium (2nd quarter), chloride (2nd, 3rd and 4th quarters), fluoride (1st through 4th quarters), pH (1st quarter), sulfate (2nd through 4th quarters), TDS (2nd quarter)
 - o MW-11: Boron and fluoride (1st through 4th quarters), calcium (1st quarter), sulfate (2nd quarter), TDS (2nd quarter)
 - o MW-12/12R: Chloride, fluoride, sulfate and TDS (1st through 4th quarters)
 - o MW-15: Boron, calcium, chloride, fluoride, sulfate and TDS (1st through 4th quarters)
 - o MW-17: Boron (1st and 2nd quarters), calcium, chloride, fluoride, sulfate, and TDS (1st through 4th quarters)

- o MW-18: Calcium (2nd and 3rd quarters), chloride, fluoride and TDS (1st through 4th quarters), pH (1st, 2nd and 4th quarters)

Since a previously completed Appendix III Alternate Source Demonstration (ASD) in April 2018 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. With the exceptions of those constituents discussed in the next bullet, there are no Appendix IV parameter verified 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 GWPSs for the Appendix IV assessment monitoring constituents for these units recorded during this monitoring period with the exception of the following:
 - o Arsenic – MW-11 (1st, 2nd 4th quarters) and MW-12/12R (3rd and 4th quarters)
 - o Molybdenum – MW-15 (4th quarter)

Arsenic was a parameter previously addressed under the March 25, 2019 Appendix IV ASD which determined that the regulated units were not the source of the SSLs. However, based on the verified molybdenum detection above the established GWPS at well MW-15 (verification sampling data received January 15, 2025), it is recommended (see Section 4.0) that the site initiate an assessment of corrective measures pursuant to Section 257.96. In addition, a nature and extent of impacts evaluation should also be initiated in accordance with Section 257.95(g)(1). It is noted that under the recently issued Illinois Environmental Protection Agency (IEPA) CCR Surface Impoundment Operating Permit (2024-CO-100029), there has also been a notification of GWPS exceedance under the State program and that an assessment of corrective measures is in the process of being initiated. The assessment of corrective measures and the nature and extent of impacts evaluations for both the Federal and the State CCR programs will occur in tandem.

- Section 257.90(e)(6)(v) – The subject units are not under corrective action. It is noted that in 2024 the ABB underwent construction for a liner retrofit under the Illinois EPA State CCR Rule program. The retrofit construction was certified by the design engineer as complete on October 18, 2024. As part of construction access issues, in April 2024 monitoring well MW-12 was properly abandoned and a replacement well, labeled MW-12R, was drilled approximately five feet west of its original location. The depth and screened interval were the same as the original well. Please refer to the State CCR Rule Compliance Annual Groundwater Monitoring and Corrective Action Report – 2024 available on the State CCR compliance website.

- Section 257.90(e)(6)(vi) – The subject units are not under corrective action. It is noted that the ABB underwent construction for a liner retrofit under the Illinois EPA State CCR Rule program. The retrofit construction was certified by the design engineer as complete on October 18, 2024. Please refer to the State CCR Rule Compliance Annual Groundwater Monitoring and Corrective Action Report – 2024 available on the State CCR compliance website.

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 ash basin 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 ASB and the ABB. The monitoring well network around these ponds consists of monitoring wells (MW-01 [upgradient], MW-08, MW-09 [upgradient], MW-11, MW-12/12R, MW-15, MW-17, MW-18 and MW-19 [upgradient]) as shown on Figure 1.

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 Surge Basin and Ash By-pass Basin. The FAB monitoring results are discussed under separate cover.

This annual report covers the work performed relative to CCR groundwater monitoring for the 2024 calendar year for the ASB and ABB. 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, and summarizes conclusions and recommendations for the station going forward.

2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION

2.1 Field Procedures

As previously noted, the CCR groundwater monitoring network around the ASB and ABB consists of monitoring wells MW-01 [upgradient], MW-08, MW-09 [upgradient], MW-11, MW-12/12R, MW-15, MW-17, MW-18 and MW-19 [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.

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

2.2 Groundwater Flow Evaluation

Water level data measurements were obtained from monitoring wells during each round of groundwater sampling. A complete round of water levels was collected prior to initiating sampling, and the water level data are summarized in Table 1. 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 the distribution of water levels associated with the 2024 quarterly groundwater sampling events (February, June, September and November), indicates that any potential mixing of surface water and groundwater near the river should not have affected the water quality within monitoring wells designated as upgradient or downgradient of the ABB/ASB.

Water levels were also concurrently measured at other monitoring well locations in the area that are not designated as part of the Federal Rule CCR monitoring network for the ASB and ABB. The full set of water levels was used to generate a groundwater flow map for each sampling event. It is noted that monitoring wells MW-06, MW-08, MW-12, MW-14, MW-15, MW-17, MW-18A and MW-22 are screened within a shallow, localized, saturated silty clay/silt unit which is underlain by a more extensive sand unit. The remaining monitoring wells have deeper screens, within the more extensive sand and gravel unit with the exception of MW-18 which appears to be in a transitional zone between the two units. The water levels from wells screened in the silty clay/silt unit and the water levels from monitoring wells screened within the sand and gravel unit were evaluated separately and used to generate potentiometric surface maps for each unit.

Groundwater flow beneath the ABB and ASB within the silty clay/silt unit has historically been illustrated with a westerly flow direction as shown in the groundwater flow map for the February 2024 sampling (see Attachment 1). However, under a newly issued State CCR Operating Permit, additional new silty clay/silt unit wells were installed on the east side of the ASB in April 2024 (MW-23) and August 2024 (MW-18A). Based on the additional water level data from these new wells there is an indication of divergent flow within this unit which is still consistent with stratigraphic interpretations of the localized, discontinuous silty clay/silt unit beneath this portion of the site. Flow continues to the west towards the former intake channel, however, there is also a component of flow to the east reflecting the slope/trace of the silty clay/silt unit to the east, northeast and southeast. The divergent flow as noted above is a function of stratigraphy as the water levels are consistently below the base elevation of the ASB liner system which based on construction drawings is 452 feet above mean sea level (amsl). Groundwater flow within the sand and gravel unit continues to be in a northerly direction with some divergent flow to the northeast and/or northwest. The quarterly groundwater flow maps for the two units 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 average hydraulic conductivities of 3.28×10^{-7} ft/sec (silt/clay unit) in Table 2 were estimated from literature (Freeze and Cherry, 1979). The average hydraulic conductivity for the sand unit was based on field slug test data. The estimated effective porosities of the silt/clay materials (0.40) and of the sandy materials (0.35) were obtained from literature (Applied Hydrogeology, Fetter, 1980).

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS

3.1 Sampling Summary

The groundwater sampling summary for the 2024 reporting period 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. Samples during this reporting period were collected on a quarterly basis exceeding minimum requirements. Analytical data packages are included in Attachment 2.

3.2 Data Summary

The analytical data from the ABB and ASB assessment monitoring groundwater sampling for Appendix III and IV parameters are provided in Tables 4 and 5, respectively. Table 4 includes Prediction Limits (PLs) for Appendix III parameters and Table 5 includes GWPSs established for detected Appendix IV compounds under the Federal CCR Rule. Both tables include the sample dates and whether the specific well is considered upgradient or downgradient relative to groundwater flow and the regulated unit(s). In 2024 there were no confirmed SSLs above GWPSs for the Appendix IV assessment monitoring constituents for these units recorded during this monitoring period with the exception of arsenic at wells MW-11 and MW-12/12R and molybdenum at well MW-15.

3.3 Current Status

Under the Federal CCR Rule, the ASB and ABB were transitioned from detection monitoring to assessment monitoring in April 2018 and currently remain in assessment monitoring. It is noted that the ABB underwent construction for a liner retrofit under the Illinois EPA State CCR Rule program. The retrofit construction was certified by the design engineer as complete on October 18, 2024.

Based on the 2024 4th quarter verification sampling data (received January 15, 2025) for molybdenum at well MW-15, an assessment of corrective measures and a nature and extent of impacts evaluation are recommended to be initiated (see Section 4.0).

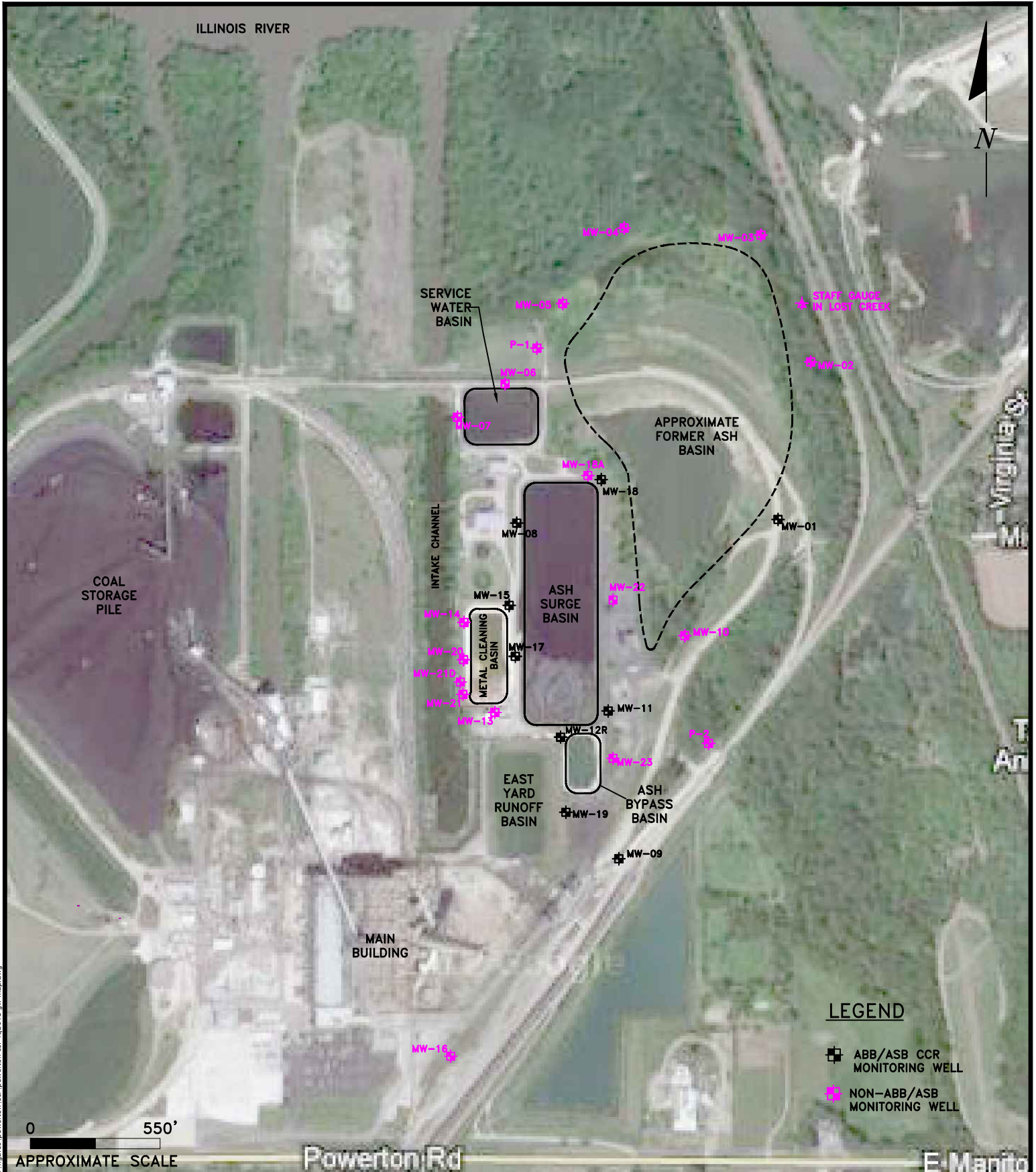
4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS

The assessment monitoring requirements in accordance with the CCR rule are being successfully met. Verification sampling data for the 4th quarter 2024 sampling was received January 15, 2025 which verified a molybdenum concentration at well MW-15 above the established GWPS. Based on this verification sampling it is recommended that an assessment of corrective measures be initiated in accordance with Section 257.96. In addition, a nature and extent of impacts evaluation should be completed in accordance with Section 257.95(g)(1). The station will also continue with 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.
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- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report - 2018 Ash By-Pass Basin and Ash-Surge Basin, Midwest Generation, LLC Powerton Generating Station. January 31, 2019.
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- R.A. Freeze and J.A. Cherry, Groundwater. Prentice-Hall, Inc. Publishing Co., 1979

FIGURE



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

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

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

ABB/ASB CCR MONITORING WELL SITE MAP

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 2025

KPRG Project No. 12313.1

FIGURE 1

TABLES

Table 1. Groundwater Elevations for ABB/ASB 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	NA	NA
	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
	4/29/2019	465.24	20.15	445.09	14.04	441.21
	11/11/2019	465.24	19.49	445.75	15.92	443.09
	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	NA	NA
	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	NA	NA
	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
	9/28/2023	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	20.9	444.34	16.79	443.96
	5/15/2024	465.24	19.9	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
	10/25/2024	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 ABB/ASB 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-08 down-gradient	11/16/2015	471.75	26.06	445.69	4.38	431.55
	2/22/2016	471.75	23.99	447.76	7.97	435.14
	5/16/2016	471.75	25.48	446.27	14.53	441.7
	8/15/2016	471.75	23.61	448.14	7.11	434.28
	11/14/2016	471.75	24.31	447.44	6.35	433.52
	2/13/2017	471.75	23.97	447.78	NA	NA
	5/1/2017	471.75	23.28	448.47	17.09	444.26
	6/20/2017	471.75	23.31	448.44	11.93	439.1
	8/29/2017	471.75	24.52	447.23	3.86	431.03
	11/8/2017	471.75	25.27	446.48	6.89	434.06
	5/17/2018	471.75	24.36	447.39	9.93	437.1
	8/8/2018	471.75	24.04	447.71	2.13	429.3
	10/31/2018	471.75	24.92	446.83	4.21	431.38
	4/29/2019	471.75	24.28	447.47	14.04	441.21
	11/11/2019	471.75	24.24	447.51	15.92	443.09
	4/27/2020	471.75	24.50	447.25	12.64	439.81
	12/7/2020	471.75	25.35	446.40	2.97	430.14
	2/22/2021	471.75	24.70	447.05	6.21	433.38
	4/7/2021	471.75	24.88	446.87	10.23	437.4
	5/10/2021	471.75	24.75	447.00	10.71	437.88
	6/2/2021	471.75	24.25	447.50	10.7	437.87
	6/28/2021	471.75	24.79	446.96	12.11	439.28
	7/19/2021	471.75	24.33	447.42	15.06	442.23
	8/23/2021	471.75	24.85	446.90	3.49	430.66
	9/30/2021	471.75	25.28	446.47	2.49	429.66
	10/25/2021	471.75	25.30	446.45	13.08	440.25
	11/29/2021	471.75	25.10	446.65	5.17	432.34
	12/30/2021	471.75	25.52	446.23	6.68	433.85
	1/6/2022	471.75	25.59	446.16	6.45	433.62
	2/7/2022	471.75	26.70	445.05	4.4	431.57
	3/1/2022	471.75	25.51	446.24	16.04	443.21
	4/22/2022	471.75	24.74	447.01	NA	NA
	5/24/2022	471.75	24.97	446.78	11.42	438.59
	6/6/2022	471.75	25.04	446.71	8.21	435.38
	7/25/2022	471.75	25.56	446.19	5.36	432.53
	8/29/2022	471.75	25.67	446.08	2.55	429.72
	9/28/2022	471.75	25.81	445.94	2.37	429.54
	10/26/2022	471.75	26.17	445.58	4.36	431.53
	11/14/2022	471.75	26.23	445.52	3.2	430.37
	12/28/2022	471.75	26.06	445.69	NA	NA
	1/24/2023	471.75	26.21	445.54	7.29	434.46
	2/20/2023	471.75	26.25	445.50	7.6	434.77
	3/28/2023	471.75	25.36	446.39	14.9	442.07
	4/25/2023	471.75	25.21	446.54	9.4	436.57
	5/15/2023	471.75	25.42	446.33	8.78	435.95
	6/26/2023	471.75	25.85	445.90	2.42	429.59
	7/25/2023	471.75	26.06	445.69	3.67	430.84
	8/28/2023	471.75	25.89	445.86	3.26	430.43
	9/28/2023	471.75	25.99	445.76	3.35	430.52
	10/27/2023	471.75	26.26	445.49	3.98	431.15
	11/6/2023	471.75	26.28	445.47	3.65	430.82
	12/21/2023	471.75	26.50	445.25	6.12	433.29
	1/24/2024	471.75	25.72	446.03	12.92	440.09
	2/19/2024	471.75	25.18	446.57	12.74	439.91
	3/26/2024	471.75	25.24	446.51	10.10	437.27
	4/12/2024	471.75	24.95	446.80	16.79	443.96
	5/15/2024	471.75	24.34	447.41	15.9	443.07
	6/17/2024	471.75	24.63	447.12	12.03	439.2
	7/25/2024	471.75	24.40	447.35	12.63	439.8
	8/21/2024	471.75	24.44	447.31	11.76	438.93
	9/9/2024	471.75	24.73	447.02	11.82	438.99
	10/25/2024	471.75	24.86	446.89	2.16	429.33
	11/18/2024	471.75	24.86	446.89	4.14	431.31
	12/10/2024	471.75	25.17	446.58	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-09 up-gradient	11/16/2015	469.14	26.07	443.07	4.38	431.55
	2/22/2016	469.14	22.83	446.31	7.97	435.14
	5/16/2016	469.14	23.06	446.08	14.53	441.7
	8/15/2016	469.14	24.50	444.64	7.11	434.28
	11/14/2016	469.14	24.33	444.81	6.35	433.52
	2/13/2017	469.14	23.43	445.71	NA	NA
	5/1/2017	469.14	20.77	448.37	17.09	444.26
	6/20/2017	469.14	22.15	446.99	11.93	439.1
	8/25/2017	469.14	24.79	444.35	3.86	431.03
	11/8/2017	469.14	25.74	443.40	6.89	434.06
	5/16/2018	469.14	23.89	445.25	9.93	437.1
	8/8/2018	469.14	25.49	443.65	2.13	429.3
	11/1/2018	469.14	26.02	443.12	4.21	431.38
	4/29/2019	469.14	21.30	447.84	14.04	441.21
	11/11/2019	469.14	21.31	447.83	15.92	443.09
	4/27/2020	469.14	21.80	447.34	12.64	439.81
	12/7/2020	469.14	26.19	442.95	2.97	430.14
	2/22/2021	469.14	26.08	443.06	6.21	433.38
	4/7/2021	469.14	23.75	445.39	10.23	437.4
	5/10/2021	469.14	24.55	444.59	10.71	437.88
	6/2/2021	469.14	23.31	445.83	10.7	437.87
	6/28/2021	469.14	24.18	444.96	12.11	439.28
	7/19/2021	469.14	22.20	446.94	15.06	442.23
	8/23/2021	469.14	24.75	444.39	3.49	430.66
	9/30/2021	469.14	26.28	442.86	2.49	429.66
	10/25/2021	469.14	25.42	443.72	13.08	440.25
	11/29/2021	469.14	24.50	444.64	5.17	432.34
	12/30/2021	469.14	25.35	443.79	6.68	433.85
	1/6/2022	469.14	28.11	441.03	6.45	433.62
	2/7/2022	469.14	26.15	442.99	4.4	431.57
	3/1/2022	469.14	23.88	445.26	16.04	443.21
	4/22/2022	469.14	21.75	447.39	NA	NA
	5/24/2022	469.14	22.40	446.74	11.42	438.59
	6/6/2022	469.14	22.95	446.19	8.21	435.38
	7/25/2022	469.14	25.51	443.63	5.36	432.53
	8/29/2022	469.14	26.56	442.58	2.55	429.72
	9/28/2022	469.14	27.52	441.62	2.37	429.54
	10/26/2022	469.14	28.38	440.76	4.36	431.53
	11/14/2022	469.14	28.44	440.70	3.2	430.37
	12/28/2022	469.14	27.96	441.18	NA	NA
	1/24/2023	469.14	27.93	441.21	7.29	434.46
	2/20/2023	469.14	27.62	441.52	7.6	434.77
	3/28/2023	469.14	24.05	445.09	14.9	442.07
	4/25/2023	469.14	23.76	445.38	9.4	436.57
	5/15/2023	469.14	24.90	444.24	8.78	435.95
	6/26/2023	469.14	27.40	441.74	2.42	429.59
	7/25/2023	469.14	27.55	441.59	3.67	430.84
	8/28/2023	469.14	28.00	441.14	3.26	430.43
	9/28/2023	469.14	28.64	440.50	3.35	430.52
	10/27/2023	469.14	28.85	440.29	3.98	431.15
	11/6/2023	469.14	28.98	440.16	3.65	430.82
	12/21/2023	469.14	29.12	440.02	6.12	433.29
	1/24/2024	469.14	26.76	442.38	12.92	440.09
	2/19/2024	469.14	23.94	445.20	12.74	439.91
	3/26/2024	469.14	24.98	444.16	10.10	437.27
	4/12/2024	469.14	23.78	445.36	16.79	443.96
	5/15/2024	469.14	22.17	446.97	15.9	443.07
	6/17/2024	469.14	23.87	445.27	12.03	439.2
	7/25/2024	469.14	24.81	444.33	12.63	439.8
	8/21/2024	469.14	26.00	443.14	11.76	438.93
	9/9/2024	469.14	27.13	442.01	11.82	438.99
	10/25/2024	469.14	28.55	440.59	2.16	429.33
	11/18/2024	469.14	28.36	440.78	4.14	431.31
	12/10/2024	469.14	28.73	440.41	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-11 down-gradient	11/16/2015	471.62	31.67	439.95	4.38	431.55
	2/22/2016	471.62	28.34	443.28	7.97	435.14
	5/16/2016	471.62	27.11	444.51	14.53	441.7
	8/15/2016	471.62	29.64	441.98	7.11	434.28
	11/14/2016	471.62	29.19	442.43	6.35	433.52
	2/13/2017	471.62	27.49	444.13	NA	NA
	5/1/2017	471.62	24.34	447.28	17.09	444.26
	6/20/2017	471.62	26.94	444.68	11.93	439.1
	8/29/2017	471.62	30.42	441.20	3.86	431.03
	11/9/2017	471.62	30.27	441.35	6.89	434.06
	5/16/2018	471.62	28.58	443.04	9.93	437.1
	8/9/2018	471.62	31.04	440.58	2.13	429.3
	11/1/2018	471.62	30.82	440.80	4.21	431.38
	4/29/2019	471.62	25.38	446.24	14.04	441.21
	11/11/2019	471.62	24.88	446.74	15.92	443.09
	4/27/2020	471.62	26.35	445.27	12.64	439.81
	12/7/2020	471.62	31.35	440.27	2.97	430.14
	2/22/2021	471.62	30.78	440.84	6.21	433.38
	4/7/2021	471.62	27.85	443.77	10.23	437.4
	5/10/2021	471.62	29.19	442.43	10.71	437.88
	6/2/2021	471.62	27.57	444.05	10.7	437.87
	6/28/2021	471.62	28.84	442.78	12.11	439.28
	7/19/2021	471.62	25.82	445.80	15.06	442.23
	8/23/2021	471.62	30.10	441.52	3.49	430.66
	9/30/2021	471.62	31.78	439.84	2.49	429.66
	10/25/2021	471.62	30.12	441.50	13.08	440.25
	11/29/2021	471.62	29.40	442.22	5.17	432.34
	12/30/2021	471.62	30.22	441.40	6.68	433.85
	1/6/2022	471.62	30.09	441.53	6.45	433.62
	2/7/2022	471.62	31.19	440.43	4.4	431.57
	3/1/2022	471.62	26.92	444.70	16.04	443.21
	4/22/2022	471.62	25.43	446.19	NA	NA
	5/24/2022	471.62	26.69	444.93	11.42	438.59
	6/6/2022	471.62	27.55	444.07	8.21	435.38
	7/25/2022	471.62	30.77	440.85	5.36	432.53
	8/29/2022	471.62	31.95	439.67	2.55	429.72
	9/28/2022	471.62	32.99	438.63	2.37	429.54
	10/26/2022	471.62	33.86	437.76	4.36	431.53
	11/14/2022	471.62	33.79	437.83	3.2	430.37
	12/28/2022	471.62	32.41	439.21	NA	NA
	1/24/2023	471.62	32.57	439.05	7.29	434.46
	2/20/2023	471.62	31.91	439.71	7.6	434.77
	3/28/2023	471.62	27.32	444.30	14.9	442.07
	4/25/2023	471.62	27.80	443.82	9.4	436.57
	5/15/2023	471.62	29.25	442.37	8.78	435.95
	6/26/2023	471.62	32.81	438.81	2.42	429.59
	7/25/2023	471.62	32.55	439.07	3.67	430.84
	8/28/2023	471.62	33.15	438.47	3.26	430.43
	9/28/2023	471.62	33.76	437.86	3.35	430.52
	10/27/2023	471.62	33.68	437.94	3.98	431.15
	11/6/2023	471.62	33.79	437.83	3.65	430.82
	12/21/2023	471.62	33.81	437.81	6.12	433.29
	1/24/2024	471.62	29.99	441.63	12.92	440.09
	2/19/2024	471.62	27.13	444.49	12.74	439.91
	3/26/2024	471.62	28.92	442.70	10.10	437.27
	4/12/2024	471.62	26.5	445.12	16.79	443.96
	5/15/2024	471.62	25.47	446.15	15.9	443.07
	6/17/2024	471.62	28.61	443.01	12.03	439.2
	7/25/2024	471.62	29.00	442.62	12.63	439.8
	8/21/2024	471.62	31.19	440.43	11.76	438.93
	9/9/2024	471.62	32.69	438.93	11.82	438.99
	10/25/2024	471.62	33.73	437.89	2.16	429.33
	11/18/2024	471.62	33.43	438.19	4.14	431.31
	12/10/2024	471.62	33.79	437.83	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-12 / 12R down-gradient	11/16/2015	473.38	24.48	448.90	4.38	431.55
	2/22/2016	473.38	21.41	451.97	7.97	435.14
	5/16/2016	473.38	22.94	450.44	14.53	441.7
	8/15/2016	473.38	23.85	449.53	7.11	434.28
	11/14/2016	473.38	23.89	449.49	6.35	433.52
	2/13/2017	473.38	21.93	451.45	NA	NA
	5/1/2017	473.38	22.26	451.12	17.09	444.26
	6/20/2017	473.38	22.76	450.62	11.93	439.1
	8/26/2017	473.38	23.92	449.46	3.86	431.03
	11/10/2017	473.38	24.29	449.09	6.89	434.06
	5/16/2018	473.38	22.46	450.92	9.93	437.1
	8/9/2018	473.38	23.78	449.60	2.13	429.3
	11/1/2018	473.38	23.74	449.64	4.21	431.38
	4/29/2019	473.38	22.05	451.33	14.04	441.21
	11/11/2019	473.38	22.85	450.53	15.92	443.09
	4/27/2020	473.38	21.44	451.94	12.64	439.81
	12/7/2020	473.38	22.70	450.68	2.97	430.14
	2/22/2021	473.38	21.00	452.38	6.21	433.38
	4/7/2021	473.38	21.91	451.47	10.23	437.4
	5/10/2021	473.38	22.50	450.88	10.71	437.88
	6/2/2021	473.38	22.60	450.78	10.7	437.87
	6/28/2021	473.38	22.95	450.43	12.11	439.28
	7/19/2021	473.38	22.99	450.39	15.06	442.23
	8/23/2021	473.38	23.48	449.90	3.49	430.66
	9/30/2021	473.38	23.87	449.51	2.49	429.66
	10/27/2021	473.38	23.90	449.48	13.08	440.25
	11/29/2021	473.38	23.33	450.05	5.17	432.34
	12/30/2021	473.38	22.95	450.43	6.68	433.85
	1/6/2022	473.38	22.77	450.61	6.45	433.62
	2/7/2022	473.38	22.03	451.35	4.4	431.57
	3/1/2022	473.38	21.74	451.64	16.04	443.21
	4/22/2022	473.38	22.03	451.35	NA	NA
	5/24/2022	473.38	22.36	451.02	11.42	438.59
	6/6/2022	473.38	22.65	450.73	8.21	435.38
	7/25/2022	473.38	23.29	450.09	5.36	432.53
	8/29/2022	473.38	23.84	449.54	2.55	429.72
	9/28/2022	473.38	24.13	449.25	2.37	429.54
	10/26/2022	473.38	24.28	449.10	4.36	431.53
	11/14/2022	473.38	24.15	449.23	3.2	430.37
	12/28/2022	473.38	22.41	450.97	NA	NA
	1/24/2023	473.38	21.68	451.70	7.29	434.46
	2/20/2023	473.38	21.36	452.02	7.6	434.77
	3/28/2023	473.38	21.07	452.31	14.9	442.07
	4/25/2023	473.38	21.53	451.85	9.4	436.57
	5/15/2023	473.38	21.88	451.50	8.78	435.95
	6/26/2023	473.38	22.87	450.51	2.42	429.59
	7/25/2023	473.38	22.99	450.39	3.67	430.84
	8/28/2023	473.38	23.12	450.26	3.26	430.43
	9/28/2023	473.38	23.50	449.88	3.35	430.52
	10/27/2023	473.38	23.88	449.50	3.98	431.15
	11/6/2023	473.38	23.88	449.50	3.65	430.82
	12/21/2023	473.38	22.72	450.66	6.12	433.29
	1/24/2024	473.38	21.70	451.68	12.92	440.09
	2/19/2024	473.38	21.51	451.87	12.74	439.91
	3/26/2024	473.38	21.67	451.71	10.10	437.27
	4/12/2024	473.38	21.51	451.87	16.79	443.96
	5/15/2024	472.95	21.30	451.65	15.9	443.07
	6/17/2024	472.95	22.10	450.85	12.03	439.2
	7/25/2024	472.95	22.60	450.35	12.63	439.8
	8/21/2024	472.95	22.92	450.03	11.76	438.93
	9/9/2024	472.95	22.72	450.23	11.82	438.99
	10/25/2024	472.95	23.80	449.15	2.16	429.33
	11/18/2024	472.95	23.27	449.68	4.14	431.31
	12/10/2024	472.95	23.56	449.39	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-15 down-gradient	11/16/2015	471.37	25.33	446.04	4.38	431.55
	2/22/2016	471.37	22.91	448.46	7.97	435.14
	5/16/2016	471.37	24.71	446.66	14.53	441.7
	8/15/2016	471.37	23.45	447.92	7.11	434.28
	11/14/2016	471.37	23.94	447.43	6.35	433.52
	2/13/2017	471.37	23.73	447.64	NA	NA
	5/1/2017	471.37	23.27	448.10	17.09	444.26
	6/20/2017	471.37	22.86	448.51	11.93	439.1
	8/29/2017	471.37	23.13	448.24	3.86	431.03
	11/10/2017	471.37	25.13	446.24	6.89	434.06
	5/17/2018	471.37	23.85	447.52	9.93	437.1
	8/9/2018	471.37	23.96	447.41	2.13	429.3
	10/31/2018	471.37	24.55	446.82	4.21	431.38
	4/29/2019	471.37	23.57	447.80	14.04	441.21
	11/11/2019	471.37	23.79	447.58	15.92	443.09
	4/27/2020	471.37	23.95	447.42	12.64	439.81
	12/7/2020	471.37	25.01	446.36	2.97	430.14
	2/22/2021	471.37	27.74	443.63	6.21	433.38
	4/7/2021	471.37	24.44	446.93	10.23	437.4
	5/10/2021	471.37	24.62	446.75	10.71	437.88
	6/2/2021	471.37	24.12	447.25	10.7	437.87
	6/28/2021	471.37	24.19	447.18	12.11	439.28
	7/19/2021	471.37	24.01	447.36	15.06	442.23
	8/23/2021	471.37	24.38	446.99	3.49	430.66
	9/30/2021	471.37	24.91	446.46	2.49	429.66
	10/25/2021	471.37	24.92	446.45	13.08	440.25
	11/29/2021	471.37	24.60	446.77	5.17	432.34
	12/30/2021	471.37	24.90	446.47	6.68	433.85
	1/6/2022	471.37	25.04	446.33	6.45	433.62
	2/7/2022	471.37	25.09	446.28	4.4	431.57
	3/1/2022	471.37	25.11	446.26	16.04	443.21
	4/22/2022	471.37	24.18	447.19	NA	NA
	5/24/2022	471.37	24.27	447.10	11.42	438.59
	6/6/2022	471.37	24.29	447.08	8.21	435.38
	7/25/2022	471.37	25.05	446.32	5.36	432.53
	8/29/2022	471.37	25.45	445.92	2.55	429.72
	9/28/2022	471.37	25.54	445.83	2.37	429.54
	10/26/2022	471.37	26.00	445.37	4.36	431.53
	11/14/2022	471.37	26.14	445.23	3.2	430.37
	12/28/2022	471.37	27.84	443.53	NA	NA
	1/24/2023	471.37	25.26	446.11	7.29	434.46
	2/20/2023	471.37	25.24	446.13	7.6	434.77
	3/28/2023	471.37	24.81	446.56	14.9	442.07
	4/25/2023	471.37	24.56	446.81	9.4	436.57
	5/15/2023	471.37	24.64	446.73	8.78	435.95
	6/26/2023	471.37	25.18	446.19	2.42	429.59
	7/25/2023	471.37	25.53	445.84	3.67	430.84
	8/28/2023	471.37	25.60	445.77	3.26	430.43
	9/28/2023	471.37	25.78	445.59	3.35	430.52
	10/27/2023	471.37	26.00	445.37	3.98	431.15
	11/6/2023	471.37	26.04	445.33	3.65	430.82
	12/21/2023	471.37	25.86	445.51	6.12	433.29
	1/24/2024	471.37	25.19	446.18	12.92	440.09
	2/19/2024	471.37	24.52	446.85	12.74	439.91
	3/26/2024	471.37	24.44	446.93	10.10	437.27
	4/12/2024	471.37	24.35	447.02	16.79	443.96
	5/15/2024	471.37	23.89	447.48	15.9	443.07
	6/17/2024	471.37	24.08	447.29	12.03	439.2
	7/25/2024	471.37	24.23	447.14	12.63	439.8
	8/21/2024	471.37	24.28	447.09	11.76	438.93
	9/9/2024	471.37	24.48	446.89	11.82	438.99
	10/25/2024	471.37	25.12	446.25	2.16	429.33
	11/18/2024	471.37	25.01	446.36	4.14	431.31
	12/10/2024	471.37	25.13	446.24	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-17 down-gradient	11/16/2015	467.75	26.92	440.83	4.38	431.55
	2/22/2016	467.75	19.86	447.89	7.97	435.14
	5/16/2016	467.75	20.42	447.33	14.53	441.7
	8/15/2016	467.75	21.61	446.14	7.11	434.28
	11/14/2016	467.75	21.39	446.36	6.35	433.52
	2/13/2017	467.75	19.66	448.09	NA	NA
	5/1/2017	467.75	18.78	448.97	17.09	444.26
	6/20/2017	467.75	19.42	448.33	11.93	439.1
	8/29/2017	467.75	22.68	445.07	3.86	431.03
	11/6/2017	467.75	24.66	443.09	6.89	434.06
	5/14/2018	467.75	19.79	447.96	9.93	437.1
	8/6/2018	467.75	21.03	446.72	2.13	429.3
	10/29/2018	467.75	21.98	445.77	4.21	431.38
	4/29/2019	467.75	18.75	449.00	14.04	441.21
	11/11/2019	467.75	19.60	448.15	15.92	443.09
	4/27/2020	467.75	19.15	448.60	12.64	439.81
	12/7/2020	467.75	24.12	443.63	2.97	430.14
	2/22/2021	467.75	20.22	447.53	6.21	433.38
	4/7/2021	467.75	19.69	448.06	10.23	437.4
	5/10/2021	467.75	20.00	447.75	10.71	437.88
	6/2/2021	467.75	19.65	448.10	10.7	437.87
	6/28/2021	467.75	19.98	447.77	12.11	439.28
	7/19/2021	467.75	19.57	448.18	15.06	442.23
	8/23/2021	467.75	20.15	447.60	3.49	430.66
	9/30/2021	467.75	23.25	444.50	2.49	429.66
	10/28/2021	467.75	23.35	444.40	13.08	440.25
	11/29/2021	467.75	20.64	447.11	5.17	432.34
	12/30/2021	467.75	22.61	445.14	6.68	433.85
	1/6/2022	467.75	23.19	444.56	6.45	433.62
	2/7/2022	467.75	22.03	445.72	4.4	431.57
	3/1/2022	467.75	19.97	447.78	16.04	443.21
	4/22/2022	467.75	19.36	448.39	NA	NA
	5/24/2022	467.75	19.38	448.37	11.42	438.59
	6/6/2022	467.75	19.45	448.30	8.21	435.38
	7/25/2022	467.75	20.39	447.36	5.36	432.53
	8/29/2022	467.75	23.75	444.00	2.55	429.72
	9/28/2022	467.75	25.38	442.37	2.37	429.54
	10/26/2022	467.75	27.49	440.26	4.36	431.53
	11/14/2022	467.75	27.73	440.02	3.2	430.37
	12/28/2022	467.75	27.47	440.28	NA	NA
	1/24/2023	467.75	23.08	444.67	7.29	434.46
	2/20/2023	467.75	20.29	447.46	7.6	434.77
	3/28/2023	467.75	19.43	448.32	14.9	442.07
	4/25/2023	467.75	19.31	448.44	9.4	436.57
	5/15/2023	467.75	19.60	448.15	8.78	435.95
	6/26/2023	467.75	20.42	447.33	2.42	429.59
	7/25/2023	467.75	21.26	446.49	3.67	430.84
	8/28/2023	467.75	21.13	446.62	3.26	430.43
	9/28/2023	467.75	23.65	444.10	3.35	430.52
	10/27/2023	467.75	24.26	443.49	3.98	431.15
	11/6/2023	467.75	24.42	443.33	3.65	430.82
	12/21/2023	467.75	24.85	442.90	6.12	433.29
	1/24/2024	467.75	20.92	446.83	12.92	440.09
	2/19/2024	467.75	19.49	448.26	12.74	439.91
	3/26/2024	467.75	19.69	448.06	10.10	437.27
	4/12/2024	467.75	19.48	448.27	16.79	443.96
	5/15/2024	467.75	19.04	448.71	15.9	443.07
	6/17/2024	467.75	19.42	448.33	12.03	439.2
	7/25/2024	467.75	19.95	447.80	12.63	439.8
	8/21/2024	467.75	20.29	447.46	11.76	438.93
	9/9/2024	467.75	20.75	447.00	11.82	438.99
	10/25/2024	467.75	24.40	443.35	2.16	429.33
	11/18/2024	467.75	25.00	442.75	4.14	431.31
	12/10/2024	467.75	25.21	442.54	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-18 down-gradient	11/16/2015	469.28	28.42	440.86	4.38	431.55
	2/22/2016	469.28	27.96	441.32	7.97	435.14
	5/16/2016	469.28	25.57	443.71	14.53	441.7
	8/15/2016	469.28	27.86	441.42	7.11	434.28
	11/14/2016	469.28	27.39	441.89	6.35	433.52
	2/13/2017	469.28	25.06	444.22	NA	NA
	5/1/2017	469.28	22.49	446.79	17.09	444.26
	6/20/2017	469.28	24.97	444.31	11.93	439.1
	8/28/2017	469.28	27.30	441.98	3.86	431.03
	11/6/2017	469.28	26.33	442.95	6.89	434.06
	5/14/2018	469.28	24.65	444.63	9.93	437.1
	8/6/2018	469.28	25.67	443.61	2.13	429.3
	10/29/2018	469.28	25.79	443.49	4.21	431.38
	4/29/2019	469.28	23.00	446.28	14.04	441.21
	11/11/2019	469.28	23.94	445.34	15.92	443.09
	4/27/2020	469.28	23.97	445.31	12.64	439.81
	12/7/2020	469.28	27.82	441.46	2.97	430.14
	2/22/2021	469.28	26.69	442.59	6.21	433.38
	4/7/2021	469.28	24.94	444.34	10.23	437.4
	5/10/2021	469.28	25.96	443.32	10.71	437.88
	6/2/2021	469.28	24.70	444.58	10.7	437.87
	6/28/2021	469.28	25.60	443.68	12.11	439.28
	7/19/2021	469.28	23.50	445.78	15.06	442.23
	8/23/2021	469.28	27.35	441.93	3.49	430.66
	9/30/2021	469.28	29.70	439.58	2.49	429.66
	10/25/2021	469.28	27.35	441.93	13.08	440.25
	11/29/2021	469.28	26.81	442.47	5.17	432.34
	12/30/2021	469.28	27.14	442.14	6.68	433.85
	1/6/2022	469.28	26.57	442.71	6.45	433.62
	2/7/2022	469.28	27.83	441.45	4.4	431.57
	3/1/2022	469.28	24.45	444.83	16.04	443.21
	4/22/2022	469.28	23.77	445.51	NA	NA
	5/24/2022	469.28	25.04	444.24	11.42	438.59
	6/6/2022	469.28	25.71	443.57	8.21	435.38
	7/25/2022	469.28	28.62	440.66	5.36	432.53
	8/29/2022	469.28	28.66	440.62	2.55	429.72
	9/28/2022	469.28	32.19	437.09	2.37	429.54
	10/26/2022	469.28	33.26	436.02	4.36	431.53
	11/14/2022	469.28	32.95	436.33	3.2	430.37
	12/28/2022	469.28	28.44	440.84	NA	NA
	1/24/2023	469.28	28.65	440.63	7.29	434.46
	2/20/2023	469.28	28.44	440.84	7.6	434.77
	3/28/2023	469.28	26.78	442.50	14.9	442.07
	4/25/2023	469.28	25.35	443.93	9.4	436.57
	5/15/2023	469.28	26.46	442.82	8.78	435.95
	6/26/2023	469.28	30.11	439.17	2.42	429.59
	7/25/2023	469.28	28.93	440.35	3.67	430.84
	8/28/2023	469.28	29.87	439.41	3.26	430.43
	9/28/2023	469.28	30.02	439.26	3.35	430.52
	10/27/2023	469.28	29.29	439.99	3.98	431.15
	11/6/2023	469.28	29.54	439.74	3.65	430.82
	12/21/2023	469.28	28.68	440.60	6.12	433.29
	1/24/2024	469.28	26.47	442.81	12.92	440.09
	2/19/2024	469.28	24.46	444.82	12.74	439.91
	3/26/2024	469.28	26.46	442.82	10.10	437.27
	4/12/2024	469.28	23.98	445.30	16.79	443.96
	5/15/2024	469.28	23.36	445.92	15.9	443.07
	6/17/2024	469.28	26.71	442.57	12.03	439.2
	7/25/2024	469.28	26.15	443.13	12.63	439.8
	8/21/2024	469.28	28.88	440.40	11.76	438.93
	9/9/2024	469.28	30.78	438.50	11.82	438.99
	10/25/2024	469.28	29.16	440.12	2.16	429.33
	11/18/2024	469.28	28.83	440.45	4.14	431.31
	12/10/2024	469.28	30.18	439.10	2.80	429.97

Table 1. Groundwater Elevations for ABB/ASB 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-19 up-gradient	11/14/2016	465.07	22.65	442.42	6.35	433.52
	2/13/2017	465.07	21.27	443.80	NA	NA
	5/1/2017	465.07	18.39	446.68	17.09	444.26
	6/20/2017	465.07	20.44	444.63	11.93	439.1
	8/28/2017	465.07	23.60	441.47	3.86	431.03
	11/9/2017	465.07	23.80	441.27	6.89	434.06
	5/14/2018	465.07	22.08	442.99	9.93	437.1
	8/6/2018	465.07	24.14	440.93	2.13	429.3
	10/29/2018	465.07	24.31	440.76	4.21	431.38
	4/29/2019	465.07	19.12	445.95	14.04	441.21
	11/1/2019	465.07	18.80	446.27	15.92	443.09
	4/27/2020	465.07	19.94	445.13	12.64	439.81
	12/7/2020	465.07	24.63	440.44	2.97	430.14
	2/22/2021	465.07	24.23	440.84	6.21	433.38
	4/7/2021	465.07	21.60	443.47	10.23	437.4
	5/10/2021	465.07	22.75	442.32	10.71	437.88
	6/2/2021	465.07	21.24	443.83	10.7	437.87
	6/28/2021	465.07	22.41	442.66	12.11	439.28
	7/19/2021	465.07	19.75	445.32	15.06	442.23
	8/23/2021	465.07	23.31	441.76	3.49	430.66
	9/30/2021	465.07	24.85	440.22	2.49	429.66
	10/27/2021	465.07	23.36	441.71	13.08	440.25
	11/29/2021	465.07	22.75	442.32	5.17	432.34
	12/30/2021	465.07	23.65	441.42	6.68	433.85
	1/6/2022	465.07	24.04	441.03	6.45	433.62
	2/7/2022	465.07	24.46	440.61	4.4	431.57
	3/1/2022	465.07	21.05	444.02	16.04	443.21
	4/22/2022	465.07	19.34	445.73	NA	NA
	5/24/2022	465.07	20.34	444.73	11.42	438.59
	6/6/2022	465.07	21.05	444.02	8.21	435.38
	7/25/2022	465.07	23.98	441.09	5.36	432.53
	8/29/2022	465.07	25.08	439.99	2.55	429.72
	9/28/2022	465.07	25.97	439.10	2.37	429.54
	10/26/2022	465.07	26.81	438.26	4.36	431.53
	11/14/2022	465.07	26.79	438.28	3.2	430.37
	12/28/2022	465.07	25.95	439.12	NA	NA
	1/24/2023	465.07	25.93	439.14	7.29	434.46
	2/20/2023	465.07	25.29	439.78	7.6	434.77
	3/28/2023	465.07	21.40	443.67	14.9	442.07
	4/25/2023	465.07	21.52	443.55	9.4	436.57
	5/15/2023	465.07	22.94	442.13	8.78	435.95
	6/26/2023	465.07	25.76	439.31	2.42	429.59
	7/25/2023	465.07	25.69	439.38	3.67	430.84
	8/28/2023	465.07	26.24	438.83	3.26	430.43
	9/28/2023	465.07	26.86	438.21	3.35	430.52
	10/27/2023	465.07	26.97	438.10	3.98	431.15
	11/6/2023	465.07	27.07	438.00	3.65	430.82
	12/21/2023	465.07	27.13	437.94	6.12	433.29
	1/24/2024	465.07	23.97	441.10	12.92	440.09
	2/19/2024	465.07	21.30	443.77	12.74	439.91
	3/26/2024	465.07	22.70	442.37	10.10	437.27
	4/12/2024	465.07	20.81	444.26	16.79	443.96
	5/15/2024	465.07	19.52	445.55	15.9	443.07
	6/17/2024	465.07	22.02	443.05	12.03	439.2
	7/25/2024	465.07	22.62	442.45	12.63	439.8
	8/21/2024	465.07	24.35	440.72	11.76	438.93
	9/9/2024	465.07	25.57	439.50	11.82	438.99
	10/25/2024	465.07	26.82	438.25	2.16	429.33
	11/18/2024	465.07	26.52	438.55	4.14	431.31
	12/10/2024	465.07	26.92	438.15	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

NA - No available Illinois River data from the USGS

Table 2. Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate - Powerton Generation Station ABB/ASB

DATE	Screened Unit	Groundwater Flow Direction	Kavg (ft/sec)*	Average Hydraulic Gradient (ft/ft)	Porosity (unitless)**	Estimated Seepage Velocity (ft/day)
5/15/2023	Silt/clay	Westerly	3.280E-07	0.0235	0.4	0.0017
5/15/2023	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0031	0.35	1.05
8/28/2023	Silt/clay	Westerly	3.280E-07	0.0311	0.4	0.0022
8/28/2023	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0034	0.35	1.16
11/6/2023	Silt/clay	Westerly	3.280E-07	0.0252	0.4	0.0018
11/6/2023	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0053	0.35	1.83
2/19/2024	Silt/clay	Westerly	3.280E-07	0.0206	0.4	0.0015
2/19/2024	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0016	0.35	0.55
6/17/2024	Silt/clay	Westerly	3.280E-07	0.0371	0.4	0.0026
6/17/2024	Silt/clay	Easterly	3.280E-07	0.0623	0.4	0.0044
6/17/2024	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0036	0.35	1.23
9/9/2024	Silt/clay	Westerly	3.280E-07	0.0496	0.4	0.0035
9/9/2024	Silt/clay	Easterly	3.280E-07	0.0598	0.4	0.0042
9/9/2024	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0049	0.35	1.67
11/18/2024	Silt/clay	Westerly	3.280E-07	0.0358	0.4	0.0025
11/18/2024	Silt/clay	Easterly	3.280E-07	0.0658	0.4	0.0047
11/18/2024	Sandy	Northeasterly - Northwesterly	1.390E-03	0.0039	0.35	1.36

* Kavg -

K values from re-evaluation of slug test data as part of groundwater modeling in support of Application for Construction Permit per Illinois State CCR Rule. Average hydraulic conductivity for silt/clay unit (feet/second) from Groundwater, Freeze and Cherry, 1979.

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

Table 3. CCR Groundwater Sample Collection Summary for 2024 - Powerton Generating Station Ash Bypass Basin & Ash Surge 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-09 (Upgradient)	4	2/21/2024	A
		6/20/2024	A
		9/11/2024	A
		11/21/2024	A
MW-19 (Upgradient)	4	2/19/2024	A
		6/17/2024	A
		9/13/2024	A
		11/20/2024	A
MW-08 (Downgradient)	4	2/21/2024	A
		6/20/2024	A
		9/11/2024	A
		11/21/2024	A
MW-11 (Downgradient)	4	2/21/2024	A
		6/20/2024	A
		9/9/2024	A
		11/20/2024	A
MW-12 (Downgradient)	4	2/20/2024	A
		6/20/2024	A
		9/11/2024	A
		11/20/2024	A
MW-15 (Downgradient)	4	2/20/2024	A
		6/18/2024	A
		9/9/2024	A
		11/18/2024	A
MW-17 (Downgradient)	4	2/19/2024	A
		6/17/2024	A
		9/12/2024	A
		11/21/2024	A
MW-18 (Downgradient)	4	2/19/2024	A
		6/17/2024	A
		9/12/2024	A
		11/19/2024	A

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Powertrain Station, Pekin, IL. Ash By-Pass Basin Ash Surge Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-01 (S) sp-gravim	11/16/2015	1.0	86	44	0.17	7.07	93	530
	2/25/2016	0.2	110	44	0.15	7.21	54	450
	5/28/2016	0.34	100	44	0.17	6.95	45	430
	8/17/2016	0.27	78	39	0.25	7.16	50	530
	11/16/2016	0.28	87	43	0.21	7.22	50	500
	1/14/2017	0.18	120	55	0.17	7.30	60	550
	5/1/2017	0.19	86	46	0.16	7.41	45	460
	6/21/2017	0.18	85	46	0.18	7.60	47	540
	Pred. Limit*	1.0	142	81	0.25	7.90-8.50	113	640
	8/25/2017	0.56	86	41	0.18	7.41	63	290
	11/8/2017	0.57	130	38	0.12	6.69	81	140
	5/17/2018	0.35	88	50	0.12	6.7	48	540
	8/8/2018	0.14	86	48	0.13	6.8	45	430
	5/30/2019	0.07	78	34	0.17	7.2	47	450
	11/13/2019	0.53	95	47	0.18	7.53	41	390
	4/28/2020	0.23	110	46	0.19	7.17	41	470
	12/2/2020	0.6	100	54	0.25	7.22	55	490
	5/11/2021	0.23	84	53	0.2	7.52	38	450
	8/24/2021	0.26	98	48	0.18	7.19	56	450
	11/30/2021	0.33	97	42	0.2	7.14	28	410
	2/9/2022	0.18	95	47	0.17	7.33	47	520
	6/7/2022	0.23	82	51	0.15	7.62	77	440
	8/30/2022	0.59	100	44	0.13	7.1	66	700
	11/15/2022	0.71	110	45	0.1	7.15	44	520
	2/22/2023	0.47	110	53	0.1	7.51	47	550
	5/17/2023	0.33	91	55	0.12	7.23	33	450
	8/29/2023	0.33	100	56	0.18	6.95	43	520
	11/7/2023	0.48	110	45	0.19	6.95	43	550
	2/1/2024	1.4	120	47	0.18	7.12	79	540
	6/19/2024	0.32	100	76	0.32	6.40	28	520
	7/25/2024 R	NS	NS	NS	NS	6.80	NS	NS
	9/19/2024	0.18	78	1	0.1	7.17	35	430
	11/21/2024	1.4	110	46	0.15	7.03	53	580
MW-09 (S) sp-gravim	11/18/2015	2.0	63	31	0.19	7.15	110	440
	2/25/2016	2.3	77	36	0.19	7.34	120	500
	5/19/2016	2.0	73	38	0.17	7.30	100	520
	8/17/2016	2.7	74	39	0.15	7.32	120	750
	11/17/2016	4.5	85	38	0.13	7.37	110	630
	2/15/2017	4.1	84	38	0.13	6.94	100	620
	5/3/2017	3.5	85	38	0.17	7.48	170	680
	6/21/2017	3.3	86	38	0.14	7.63	160	700
	Pred. Limit*	6.19	161	39	0.24	7.99-8.64	236	1060
	8/25/2017	3.8	85	36	0.14	7.30	150	630
	11/8/2017	4	86	37	0.12	6.92	150	650
	5/16/2018	4.1	89	36	0.15	7.33	180	550
	8/8/2018	4.3	86	39	0.14	7.31	180	690
	5/1/2019	4.6	79	17	0.17	7.11	160	720
	11/14/2019	2.5	85	36	0.18	7.49	82	500
	4/28/2020	2	71	34	0.2	7.19	140	510
	12/8/2020	2.8	65	34	0.22	7.29	63	490
	5/13/2021	2	74	33	0.2	7.33	120	410
	8/25/2021	2.2	80	32	0.17	7.11	130	420
	12/1/2021	3.2	79	32	0.2	7.27	100	570
	2/10/2022	3.5	79	33	0.23	7.12	120	510
	6/8/2022	3.2	76	31	0.19	7.52	120	510
	8/31/2022	79	39	30	0.18	7.18	140	530
	11/15/2022	3.7	77	32	0.25	7.39	130	490
	2/3/2023	4.6	71	31	0.18	7.82	150	520
	5/16/2023	3.9	70	30	0.16	7.46	130	510
	8/30/2023	2.8	73	30	0.15	7.25	120	500
	11/8/2023	3.2	87	31	0.14	7.15	130	570
	2/1/2024	3.5	73	31	0.17	7.47	150	610
	6/20/2024	2.9	69	29	0.17	7.23	120	590
	9/1/2024	2.6	82	26	0.15	7.29	110	550
	11/20/2024	2.2	82	20	0.13	7.15	95	520
MW-19 (S) sp-gravim	11/18/2015	3.8	89	38	0.13	7.54	120	670
	2/15/2016	4.7	88	37	0.13	7.56	180	700
	5/5/2017	3.3	88	38	0.14	7.51	160	640
	8/31/2017	3.3	110	36	0.12	7.30	170	680
	5/28/2017	3.5	97	36	0.16	7.29	160	700
	11/6/2017	4.5	86	35	0.17	7.26	190	640
	5/14/2018	4	96	41	0.16	7.82	180	820
	8/6/2018	3.8	100	37	0.13	7.57	170	720
	Pred. Limit*	6.2	121	41	0.28	8.20-8.70	236	890
	5/22/2019	3.7	100	39	0.13	6.80	160	760
	11/13/2019	2.5	130	52	0.15	7.51	140	740
	4/27/2020	2.3	100	41	0.17	6.87	110	570
	12/7/2020	3.3	74	34	0.19	7.39	140	76
	5/10/2021	2.3	68	33	0.17	7.36	110	420
	8/29/2021	2.1	85	32	0.11	7.12	130	520
	12/1/2021	3.5	89	31	0.17	7.25	120	520
	2/7/2022	3.8	77	34	0.17	7.18	140	600
	6/6/2022	2.7	83	32	0.12	7.68	130	560
	8/30/2022	0.7	140	200	0.32	7.29	45	1180
	11/16/2022	4.3	80	34	0.22	7.27	160	580
	2/1/2023	3.9	70	33	0.14	7.79	170	680
	5/18/2023	3.8	78	31	0.13	7.26	150	580
	8/29/2023	3	80	32	0.18	7.16	120	610
	11/8/2023	3.7	60	32	0.16	7.34	180	610
	2/19/2024	3.8	73	36	0.19	7.53	150	600
	6/17/2024	2.1	110	43	0.15	6.95	130	710
	9/13/2024	2.4	100	39	0.18	6.79	88	600
	11/20/2024	3.1	79	28	0.22	7.26	130	560
MW-08 (CL) Boron-gravim	11/18/2015	1.5	160	170	0.44	7.61	11	1300
	2/25/2016	1.7	160	200	0.30	7.60	200	1100
	5/19/2016	1.7	160	140	0.34	7.67	300	1200
	8/17/2016	1.8	120	220	0.32	7.33	360	1400
	11/15/2016	1.2	140	280	0.33	6.90	230	1300
	2/16/2017	1.5	150	460	0.28	7.00	230	1500
	5/2/2017	0.55	140	300	0.33	7.30	320	1300
	6/21/2017	1.2	160	490	0.30	7.27	350	1700
	Pred. Limit	1.8	136	77	0.24**	7.74-8.83**	187	780**
	8/29/2017	1.2	130	360	0.47	7.29	300	1580
	11/8/2017	0.68	130	260	0.45	7.27	278	1280
	5/17/2018	1.2	130	200	0.37	6.79	170	1680
	8/8/2018	1.4	140	420	0.30	6.57	140	1280
	5/1/2019	0.54	95	73	0.35	7.68	85	600
	11/13/2019	0.88	110	82	0.32	7.66	110	640
	4/28/2020	0.74	110	120	0.38	7.58	58	660
	12/14/2020	0.73	120	150	0.38	7.49	92	530
	5/1/2021	0.56	97	120	0.39	7.64	118	680
	8/25/2021	0.6	100	110	0.35	7.58	100	550
	12/1/2021	0.64	110	87	0.36	7.56	66	590
	2/10/2022	0.81	110	130	0.37	7.54	55	570
	6/8/2022	0.73	130	188	0.3	7.71	53	790
	8/30/2022	0.7	140	218	0.32	7.37	50	1080
	11/15/2022	0.68	130	280	0.45	7.67	41	780
	2/22/2023	0.66	130	148	0.32	8.11	61	880
	5/15/2023	0.61	120	118	0.34	7.68	62	750
	8/28/2023	0.67	110	148	0.34	7.64	49	780
	11/7/2023	0.73	120	138	0.32	7.67	86	790
	12/2/2023 R	NS	NS	NS	NS	NS	NS	710
	2/21/2024	0.74	120	69	0.29	7.81	89	710
	6/20/2024	0.85	140	120	0.39	7.26	150	820
	7/25/2024 R	NS	NS	NS	NS	NS	NS	550
	9/11/2024	0.78	130	118	0.38	7.23	128	780
	11/21/2024	0.63	120	128	0.31	7.37	128	770

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

Pred. Limit = Prediction Limit

(S) = Sample Value

(CL) = Sticky Clay Limit

Intermittent Production Limit: All values are interval comparisons.

** = Based on predicted background from MW-01/MW-09. All others based on MW-01 as background.

Recently installed upgradient well. Significant results of sampling for statistical evaluation are in this row.

Analyte Data = First round of Detection Monitoring and recovery after statistical background establishment.

Bold = Potential statistically significant increases.

F1 = Not within MSD Recovery outside of limits.

H = Sample was prepared or analyzed beyond the specified holding time.

V = Serial dilution exceeds control limits.

Table 4. Appendix III Groundwater Analytical Results - Midwest Generation, LLC, Powertrain Station, Pekin, IL. Ash By-Pass Basin Ash Surge Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-11 (S) down-point	11/18/2015	1.7	110	24	0.50	7.06	100	670
	2/28/2016	1.5	140	130	0.55	7.25	200	850
	5/20/2016	1.5	140	130	0.55	7.10	210	920
	8/17/2016	1.6	130	93	0.67	7.08	180	910
	11/17/2016	1.3	140	130	0.44	7.21	1100	1100
	5/16/2017	1.6	140	110	0.40	6.62	200	910
	5/3/2017	1.3	160	160	0.42	7.36	240	1300
	6/22/2017	1.2	140	140	0.40	7.21	260	1000
	Pred. Limit	1.8	136	77	0.24**	7.73-8.83**	187	788**
	8/29/2017	2.2	130	81	0.52	7.23	310	1100
	11/9/2017	1.5	140	150	0.59	6.96	230	970
	5/16/2018	2.6	140	88	0.61	7.89	278	1000
	8/9/2018	1.4	160	120	0.62	7.24	240	1000
	5/1/2019	2.3	130	60	0.62	7.06	280	730
	11/14/2019	1.8	120	81	0.55	7.43	150	890
	4/29/2020	1.2	160	110	0.42	7.69	110	520
	12/8/2020	0.7	86	94	0.62	7.26	200	620
	5/11/2021	1.0	99	130	0.72	7.26	230	820
	8/25/2021	0.9	100	100	0.60	7.01	210	800
	12/1/2021	1.2	100	85	0.67	7.17	140	800
	2/10/2022	0.9	110	112	0.68	7.11	240	920
	4/8/2022	1.7	110	75	0.64	7.35	150	710
	8/11/2022	1.2	120	100	0.61	6.97	190	830
	11/15/2022	2.2	110	61	0.60	7.21	110	690
	2/23/2023	1.1	110	61	0.58	7.7	120	690
	5/16/2023	2.5	120	65	0.52	7.19	120	690
	8/10/2023	2.1	110	60	0.54	7.64	17	760
	11/8/2023	2.2	110	63	0.55	7.10	140	710
	2/21/2024	1.8	140	88	0.52	7.26	73	860
	6/20/2024	2.4	130	63	0.51	7.60	110	790
	8/30/2024	1.8	130	56	0.58	7.18	82	700
	11/20/2024	1.5	100	56	0.52	7.13	27	720
MW-12 / 1CR (CL) down-point	11/19/2015	0.60	160	210	0.57	7.43	650	1400
	3/26/2016	0.42	130	200	0.40	7.96	530	1200
	5/20/2016	0.65	150	200	0.49	7.28	550	1400
	8/18/2016	0.69	170	200	0.49	7.06	620	1600
	11/18/2016	0.83	140	180	0.46	7.34	340	1300
	2/16/2017	0.40	140	190	0.37	7.54	630	1300
	5/9/2017	0.49	120	190	0.37	7.47	200	1200
	6/22/2017	0.50	130	190	0.40	7.36	280	1400
	Pred. Limit	1.8	136	77	0.24**	7.73-8.83**	187	788**
	8/29/2017	0.79	140	100	0.52	7.34	120	640
	11/10/2017	0.54	130	128	0.48	7.38	270	1200
	5/16/2018	0.48	160	160	0.45	8.12	170	720
	8/9/2018	0.53	120	190	0.44	7.42	480	1300
	5/1/2019	0.4	100	170	0.38	7.68	230	1000
	11/14/2019	0.74	120	160	0.42	7.61	140	1100
	4/28/2020	0.34	71	150	0.34	7.96	360	880
	12/8/2020	0.61	92	160	0.51	7.36	320	990
	5/13/2021	0.4	89	130	0.21	7.59	190	550
	8/25/2021	0.5	82	130	0.46	7.43	220	740
	12/1/2021	0.53	72	130	0.52	7.38	170	730
	2/10/2022	0.35	96	140	0.27	7.28	140	520
	4/8/2022	0.49	98	140	0.41	7.65	230	920
	8/11/2022	0.67	100	150	0.4	7.33	240	830
	11/15/2022	0.50	90	150	0.37	7.69	120	610
	2/23/2023	0.28	100	160	0.38	8.18	140	950
	5/16/2023	0.32	49	150	0.34	7.96	140	540
	8/10/2023	0.50	91	128	0.38	7.33	280	1000
	11/8/2023	0.52	90	140	0.49	7.56	230	770
	2/20/2024	0.30	110	150	0.37	7.60	190	1190
	6/20/2024	0.48	110	140	0.35	7.47	130	1200
	8/11/2024	0.57	120	160	0.38	7.57	270	1100
	11/20/2024	0.52	99	130	0.38	7.56	190	950
MW-15 (CL) down-point	11/18/2015	1.5	270	210	0.53	6.50	1100	2400
	2/28/2016	2.6	240	110	0.61	6.84	640	1700
	5/19/2016	3.0	260	240	0.53	6.83	1000	2000
	8/18/2016	1.5	200	170	0.54	6.96	660	1900
	11/17/2016	1.8	120	100	0.47	6.91	500	1500
	5/17/2017	1.8	200	160	0.43	7.24	670	1700
	5/4/2017	1.5	180	160	0.57	7.35	670	1700
	6/21/2017	1.6	180	200	0.56	7.30	640	1600
	Pred. Limit	1.8	136	77	0.24**	7.73-8.83**	187	788**
	8/29/2017	2.2	190	200	0.53	6.87	540	1800
	11/10/2017	1.8	170	180	0.43	7.09	190	1500
	5/16/2018	2.3	200	160	0.5	6.75	680	1800
	8/9/2018	2.1	200	200	0.48	7.06	540	1700
	5/20/2019	1.5	180	200	0.55	6.89	290	1400
	11/14/2019	1.8	170	170	0.5	7.24	290	1300
	4/29/2020	1.2	160	200	0.40	6.90	270	1000
	12/8/2020	1.4	120	200	0.45	7.60	270	1000
	5/12/2021	1.3	180	180	0.54	6.97	520	1500
	8/23/2021	1.5	200	180	0.52	6.78	470	1500
	11/29/2021	1.6	220	250	0.48	6.71	480	1700
	2/9/2022	0.93	140	160	0.39	6.93	240	1200
	4/8/2022	2	330	210	0.47	6.87	700	2700
	8/11/2022	1.5	210	270	0.48	6.80	530	1800
	11/16/2022	1.3	190	230	0.71	7.26	520	1500
	2/23/2023	1.2	200	210	0.38	7.52	210	1500
	5/17/2023	1.3	1400	310	0.42	6.84	810	2500
	8/10/2023	1.2	180	200	0.43	6.94	430	1600
	11/8/2023	1.8	190	220	0.44	7.06	440	1600
	2/20/2024	1.3	190	200	0.38	6.94	290	1500
	6/18/2024	1.6	240	200	0.45	6.62	530	2000
	8/30/2024	1.6	240	200	0.41	6.84	500	1700
	11/18/2024	1.2	180	210	0.42	6.94	350	1400
MW-17 (CL) down-point	11/19/2015	1.6	210	210	0.42	7.11	610	1800
	3/22/2016	1.8	290	200	0.55	7.19	360	2100
	2/18/2016	1.4	200	230	0.64	7.02	700	1800
	8/15/2016	1.1	220	220	0.60	7.08	860	2100
	11/14/2016	1.5	200	210	0.56	7.26	660	2000
	2/13/2017	1.6	190	230	0.56	6.84	770	1600
	5/4/2017	1.2	170	210	0.49	7.29	210	1500
	6/22/2017	0.95	150	230	0.72	7.30	280	1600
	Pred. Limit	1.8	136	77	0.24**	7.73-8.83**	187	788**
	8/29/2017	1.4	190	230	0.61	7.19	480	1900
	11/16/2017	1.7	190	240	0.62	7.27	640	1800
	5/14/2018	1.6	170	230	0.58	6.78	670	1700
	8/6/2018	1.3	170	230	0.6	7.12	620	1600
	4/29/2019	0.98	170	230	0.66	7.25	660	1500
	11/13/2019	1.4	240	240	0.52	7.16	660	1700
	4/27/2020	1.2	150	170	0.79	7.27	620	1300
	12/7/2020	1.3	140	160	0.8	7.22	430	1100
	5/12/2021	0.99	120	160	0.77	7.52	160	1000
	8/23/2021	0.92	140	150	0.7	7.37	280	1100
	11/28/2021	1	140	150	0.76	7.30	430	1200
	2/7/2022	0.9	140	160	0.82	7.27	430	1200
	4/8/2022	1.3	200	190	0.69	7.53	810	1900
	8/11/2022	1.1	150	170	0.71	7.12	430	1200
	11/16/2022	1.1	150	170	0.68	7.58	430	1400
	2/23/2023	1.6	170	210	0.67	7.87	690	1700
	5/18/2023	0.98	120	160	0.68	7.24	460	1400
	8/30/2023	1.1	130	210	0.67	7.21	560	1500
	11/16/2023	1.0	130	120	0.61	7.18	480	1400
	2/19/2024	1.2	150	180	0.67	7.41	610	1600
	6/17/2024	1.1	160	170	0.78	7.17	680	1500
	9/12/2024	1.0	150	170	0.71	7.18	560	1400
	11/21/2024	0.92	140	150	0.71	7.31	430	1300
MW-18 (S) down-point	11/19/2015	0.80	140	220	0.66	7.62	1110	1200
	2/22/2016	0.76	150	220	0.69	7.06	310	1200
	5/18/2016	0.71	120	210	0.71	7.49	220	1200
	8/15/2016	0.78	130	210	0.64	7.52	330	1300
	11/13/2016	0.84	130	200	0.60	7.40	260	1200
	5/15/2017	0.56	140	190	0.50	7.81	120	1000
	5/2/2017	0.46	130	180	0.55	8.12	30	800
	6/21/2017	0.51	150	190	0.51	8.10	110	920
	Pred. Limit	1.8	136	77	0.24**	7.73-8.83**	187	788**
	8/29/2017	0.78	130	100	0.53	7.34	120	640
	11/10/2017	0.57	130	100	0.59	8.27	440	1200
	5/16/2018	0.50	120	100	0.62	7.48	120	620
	8/9/2018	0.54	120	100	0.61	7.27	170	1000
	11/29/2018	0.70	130	100	0.56	8.26	210	1100
	2/7/2020	0.75	110	1	0.78	7.70	710	910
	MW-18 (S) down-point	5/10/2021	0.46	140	166	0.66	8.02	350
8/26/2021		0.56	140	156	0.66	7.97	370	920
12/1/2021		0.63	140	159	0.59	7.93	318	1280
2/6/2022		0.53	130	158	0.6			

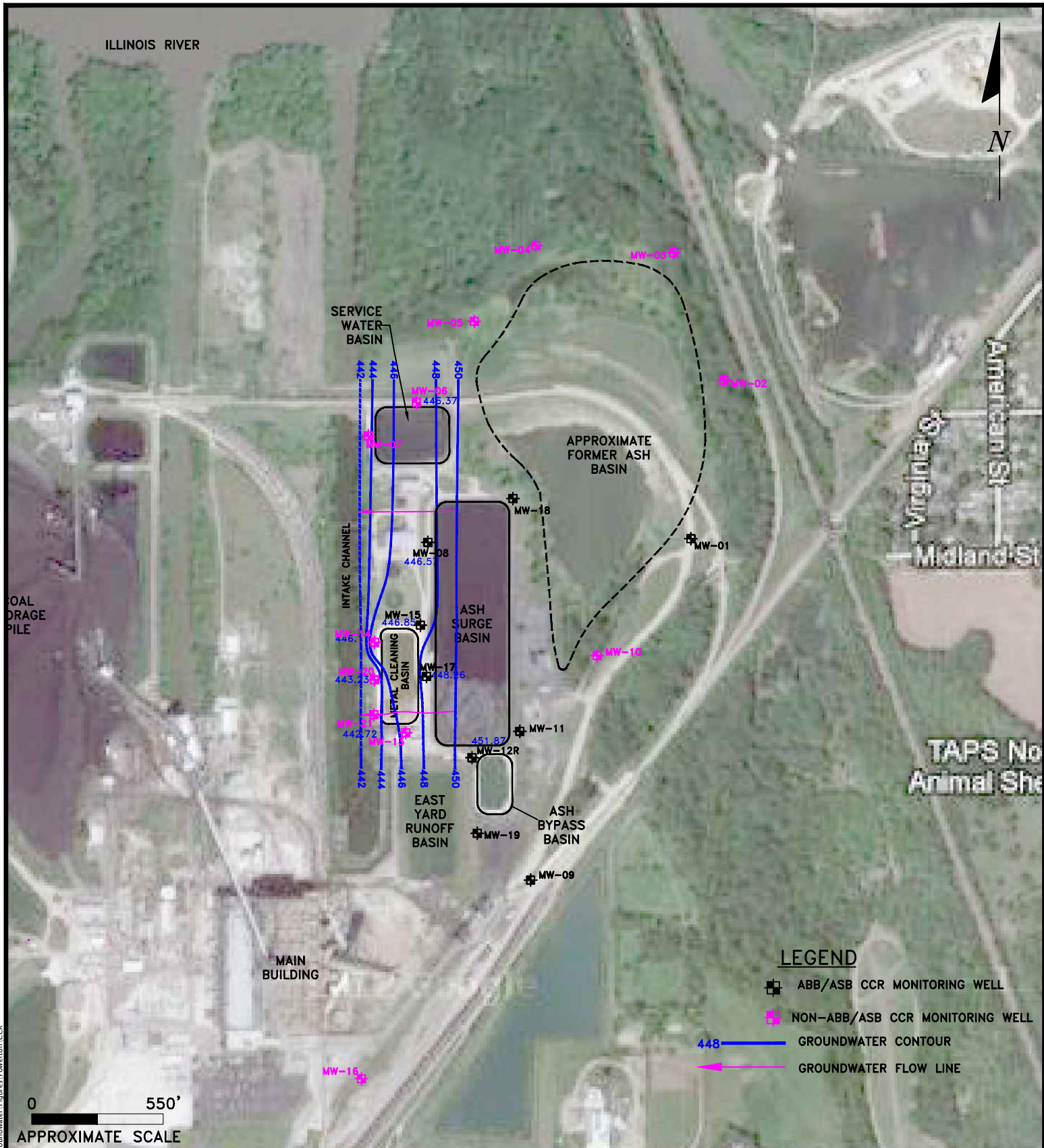
Table 5. Appendix IV Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Ash By-Pass Basin Ash Surge Basin.

		Date	Antimony	Arsenic	Barium	Beryllum	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	* < 0.0005	< 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	0.0081	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	< 0.010	< 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	0.04	< 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	
		GWPS	NS	0.011	2.0	0.004	0.005	NS	0.009	4.0	0.018	0.04	0.002	0.10	5.0	0.05	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	
		11/13/2019	NA	0.029	0.091	NA	0.00085	NA	0.016	0.18	0.034	0.012	< 0.0002	0.0079	0.884	< 0.0025	< 0.002	
		12/26/2019 (R)	NA	NA	NA	NA	NA	NA	0.0021	NA	0.0041	NA	NA	NA	NA	NA	NA	
		4/28/2020	NA	< 0.001	0.051	NA	< 0.0005	NA	< 0.001	0.19	< 0.0005	< 0.01	< 0.0002	< 0.005	0.628	< 0.0025	< 0.002	
		12/7/2020	NA	< 0.001	0.058	NA	< 0.0005	NA	< 0.001	0.25	0.00055	<^ 0.01	< 0.0002	0.0051	0.724	< 0.0025	< 0.002	
		5/11/2021	< 0.003	< 0.001	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	< 0.01	< 0.0002	0.01	< 0.523	< 0.0025	< 0.002	
		8/24/2021	< 0.003	< 0.001	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	0.18	< 0.0005	< 0.01	< 0.0002	0.0069	1.08	< 0.0025	< 0.002	
		11/30/2021	< 0.003	< 0.001	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	0.2	< 0.0005	0.005	< 0.0002	0.0072	1.1	0.0026	< 0.002	
		2/9/2022	< 0.003	0.0013	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	0.00089	0.0026	< 0.0002	0.0075	< 0.628	< 0.0025	< 0.002	
		6/7/2022	< 0.003	< 0.001	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	0.15	< 0.0005	< 0.01	< 0.0002	0.0057	0.386	< 0.0025	< 0.002	
		8/30/2022	< 0.003	< 0.001	0.076	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.01	< 0.0002	< 0.005	0.628	< 0.0025	< 0.002	
		11/15/2022	< 0.003	< 0.001	0.088	< 0.001	< 0.0005	< 0.005	< 0.001	0.1	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.446	< 0.0025	< 0.002	
		2/22/2023	< 0.003	< 0.001	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.1	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.523	0.0027	< 0.002	
		5/17/2023	< 0.0030	< 0.0010	0.056	^+ ^+ 0.0010	< 0.00050	< 0.0050	< 0.0010	0.12	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.493	< 0.0025	< 0.0020	
		8/29/2023	< 0.0020	< 0.0020	0.076	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.10	< 0.00050	< 0.010	< 0.00020	< 0.0020	0.712	< 0.0050	< 0.0010	
		11/7/2023	< 0.0030	< 0.0010	0.10	^+ + < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.10	^+ + < 0.00050	< 0.010	< 0.00020	< 0.0050	0.522	< 0.0025	< 0.0020	
		2/21/2024	< 0.0030	< 0.0010	0.089	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.10	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.468	< 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-09 up-gradient		11/18/2015	< 0.003	< 0.001	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	H 0.19	< 0.0005	< 0.01	H < 0.0002	0.043	< 0.655	< 0.0025	< 0.002	
		2/25/2016	< 0.003	0.0042	0.036	< 0.001	< 0.0005	< 0.005	0.0011	0.19	< 0.0005	< 0.01	< 0.0002	0.053	< 0.361	< 0.0025	< 0.002	
		5/19/2016	< 0.003	< 0.001	0.029	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	< 0.0005	< 0.01	< 0.0002	0.042	< 0.394	0.0032	< 0.002	
		8/17/2016	< 0.003	< 0.001	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	0.15	< 0.0005	< 0.01	< 0.0002	0.036	< 0.498	< 0.0025	< 0.002	
		11/17/2016	< 0.003	0.0038	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.010	< 0.0002	0.036	0.646	0.0025	< 0.002	
		2/15/2017	< 0.003	0.0032	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.010	< 0.0002	0.035	< 0.377	0.0062	< 0.002	
		5/3/2017	< 0.003	0.0012	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	0.17	< 0.0005	< 0.010	< 0.0002	0.034	< 0.445	0.011	< 0.002	
		6/21/2017	< 0.003	< 0.001	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	0.14	< 0.0005	< 0.010	< 0.0002	0.033	< 0.380	0.0072	< 0.002	
		8/25/2017	< 0.003	< 0.001	0.044	< 0.001	< 0.0005	< 0.005	< 0.001	0.14	< 0.0005	< 0.010	< 0.0002	0.028	< 0.160	0.0043	< 0.002	
		11/8/2017	< 0.003	0.0012	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.13	< 0.0005	< 0.010	< 0.0002	0.026	0.344	< 0.0025	< 0.002	
		GWPS	NS	0.011	2.0	0.004	0.005	NS	0.009	4.0	0.018	0.04	0.002	0.10	5.0	0.05	0.002	
		5/16/2018	< 0.003	< 0.001	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	0.15	< 0.0005	< 0.010	0.00029	0.031	< 0.424	0		

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

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-11 down-gradient	11/18/2015	< 0.003	0.017	0.18	^ < 0.001	< 0.0005	< 0.005	0.002	H 0.55	< 0.0005	< 0.01	H < 0.0002	0.0120	0.788	< 0.0025	< 0.002
	2/26/2016	< 0.003	0.023	0.23	< 0.001	< 0.0005	< 0.005	0.0023	0.55	< 0.0005	< 0.01	< 0.0002	0.013	0.562	< 0.0025	< 0.002
	5/20/2016	< 0.003	0.027	0.26	< 0.001	< 0.0005	< 0.005	0.0024	0.56	0.00076	< 0.01	< 0.0002	0.014	0.524	< 0.0025	< 0.002
	8/17/2016	< 0.003	F1 0.29	1.4	< 0.001	< 0.0005	< 0.005	0.0034	0.67	0.001	< 0.010	< 0.0002	0.011	1.130	< 0.0025	< 0.002
	11/17/2016	< 0.003	0.071	0.44	< 0.001	< 0.0005	< 0.005	0.0037	0.44	0.0013	< 0.01	< 0.0002	0.0088	0.734	< 0.0025	< 0.002
	2/16/2017	< 0.003	0.04	0.3	< 0.001	< 0.0005	< 0.005	0.003	0.40	0.00094	< 0.01	< 0.0002	0.013	0.341	< 0.0025	< 0.002
	5/3/2017	< 0.003	0.039	0.26	< 0.001	< 0.0005	< 0.005	0.0035	0.42	0.00093	< 0.01	< 0.0002	0.015	0.662	< 0.0025	< 0.002
	6/22/2017	< 0.003	0.07	0.36	< 0.001	< 0.0005	< 0.005	0.0025	0.60	< 0.0005	< 0.01	< 0.0002	0.014	< 0.418	< 0.0025	< 0.002
	8/29/2017	< 0.003	0.017	0.21	< 0.001	< 0.0005	< 0.005	0.0026	0.52	< 0.0005	< 0.01	< 0.0002	0.016	< 0.313	< 0.0025	< 0.002
	11/9/2017	< 0.003	0.092	0.54	< 0.001	< 0.0005	< 0.005	0.0034	0.59	< 0.0005	< 0.01	< 0.0002	0.014	1.24	< 0.0025	< 0.002
	GWPS	NS	0.011	2.0	0.004	0.005	NS	0.009	4.0	0.018	0.04	0.002	0.10	5.0	0.05	0.002
	5/16/2018	< 0.003	0.089	0.47	< 0.001	< 0.0005	< 0.005	0.0041	0.61	< 0.0005	< 0.01	< 0.0002	0.014	1.12	< 0.0025	< 0.002
	8/9/2018	< 0.003	0.68	3.0	<^ 0.0010	0.0008	< 0.005	0.0053	0.65	0.0012	< 0.01	< 0.0002	0.013	1.48	< 0.0025	< 0.002
	5/1/2019	< 0.003	0.11	0.6	< 0.001	< 0.0005	< 0.005	0.0026	0.62	0.0011	< 0.01	< 0.0002	0.014	1.59	< 0.0025	< 0.002
	11/14/2019	NA	0.14	0.72	NA	< 0.0005	NA	0.0041	0.55	0.0021	< 0.01	< 0.0002	0.02	2.64	< 0.0025	< 0.002
	4/29/2020	NA	0.019	0.21	NA	< 0.0005	NA	0.0019	0.62	< 0.0005	< 0.01	< 0.0002	0.024	0.47	< 0.0025	< 0.002
	12/8/2020	NA	0.027	0.26	NA	< 0.0005	NA	0.0021	0.67	< 0.0005	< 0.01	< 0.0002	0.03	< 0.523	< 0.0025	< 0.002
	5/13/2021	< 0.003	0.024	0.25	< 0.001	< 0.0005	< 0.005	0.0019	0.72	< 0.0005	0.012	< 0.0002	0.032	1.59	< 0.0025	< 0.002
	8/25/2021	< 0.003	0.015	0.16	< 0.001	< 0.0005	< 0.005	0.0016	0.65	< 0.0005	< 0.01	< 0.0002	0.03	< 0.472	< 0.0025	< 0.002
	12/1/2021	< 0.003	0.0093	0.17	< 0.001	< 0.0005	< 0.005	0.0019	0.67	< 0.0005	0.0067	< 0.0002	0.032	1.3	< 0.0025	< 0.002
	2/10/2022	< 0.003	0.015	0.20	< 0.001	< 0.0005	< 0.005	0.0024	0.68	0.00059	0.007	< 0.0002	0.027	0.839	< 0.0025	< 0.002
	6/8/2022	< 0.003	0.028	0.20	< 0.001	0.00058	< 0.005	0.0018	0.64	< 0.0005	< 0.01	< 0.0002	0.021	0.786	< 0.0025	< 0.002
	8/31/2022	< 0.003	0.016	0.20	< 0.001	< 0.0005	< 0.005	0.0017	0.61	< 0.0005	< 0.01	< 0.0002	0.02	1.04	< 0.0025	< 0.002
	11/15/2022	< 0.003	0.015	0.16	< 0.001	< 0.0005	< 0.005	0.0017	0.84	< 0.0005	< 0.01	< 0.0002	0.016	0.785	< 0.0025	< 0.002
	2/23/2023	< 0.003	0.012	0.17	^1+ ^+ 0.001	< 0.0005	< 0.005	0.0017	0.58	< 0.0005	< 0.01	< 0.0002	0.016	0.934	< 0.0025	< 0.002
	5/16/2023	< 0.0030	0.011	0.18	^+ ^1+ 0.0010	< 0.00050	< 0.0050	0.0018	0.52	< 0.00050	< 0.010	< 0.00020	0.016	< 0.625	< 0.0025	< 0.0020
	8/30/2023	< 0.0020	0.017	0.17	< 0.0010	< 0.00020	< 0.0050	0.0016	0.54	< 0.00050	< 0.010	< 0.00020	0.013	0.824	< 0.0050	< 0.0010
11/8/2023	< 0.0030	0.015	0.26	^1+ < 0.0010	< 0.00050	< 0.0050	0.0018	0.50	^1+ < 0.00050	< 0.010	< 0.00020	0.013	0.834	< 0.0025	< 0.0020	
2/21/2024	< 0.0030	0.020	0.30	< 0.0010	< 0.00050	< 0.0050	0.0021	0.52	< 0.00050	< 0.010	< 0.00020	0.011	1.17	< 0.0025	< 0.0020	
6/20/2024	< 0.0030	0.0089	0.19	< 0.0010	< 0.00050	< 0.0050	0.0018	0.51	< 0.00050	^1+ < 0.010	< 0.00020	0.014	1.13	< 0.0025	< 0.0020	
9/9/2024	^1+ < 0.0030	0.019	0.20	< 0.0010	< 0.00050	< 0.0050	0.0016	0.50	< 0.00050	< 0.010	< 0.00020	0.013	0.922	< 0.0025	< 0.0020	
11/20/2024	< 0.0030	0.014	0.20	< 0.0010	< 0.00050	< 0.0050	0.0017	0.53	< 0.00050	< 0.010	< 0.00020	0.012	0.627	< 0.0025	< 0.0020	
MW-12 / 12R down-gradient	11/19/2015	< 0.003	0.10	0.180	^ < 0.001	0.00068	< 0.005	< 0.001	H 0.57	0.00063	0.023	H < 0.0002	0.0280	< 0.685	< 0.0025	< 0.002
	2/26/2016	< 0.003	0.077	0.130	< 0.001	0.0016	< 0.005	< 0.001	0.40	0.0014	0.014	< 0.0002	0.0150	1.11	< 0.0025	< 0.002
	5/20/2016	< 0.003	0.065	0.16	F1 < 0.001	0.00077	< 0.005	< 0.001	0.49	0.0016	0.013	< 0.0002	0.028	0.576	< 0.0025	< 0.002
	8/18/2016	< 0.003	0.33	0.88	0.0013	0.007	< 0.005	0.001	0.49	0.0011	0.015	< 0.0002	0.011	3.68	< 0.0025	< 0.002
	11/18/2016	< 0.003	0.23	0.67	< 0.001	0.0028	< 0.005	< 0.001	0.46	< 0.0005	0.017	< 0.0002	< 0.01	1.86	< 0.0025	< 0.002
	2/16/2017	< 0.003	0.29	0.26	< 0.001	0.0057	< 0.005	0.0013	0.37	0.0042	0.010	< 0.0002	0.015	1.15	< 0.0025	< 0.002
	5/3/2017	< 0.003	0.10	0.17	< 0.001	0.0022	< 0.005	< 0.001	0.37	0.0038	0.011	< 0.0002	0.017	0.518	< 0.0025	< 0.002
	6/22/2017	< 0.003	0.025	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.48	0.00096	< 0.010	< 0.0002	0.028	0.376	< 0.0025	< 0.002
	8/29/2017	< 0.003	0.02	0.095	< 0.001	< 0.0005	< 0.005	< 0.001	0.52	< 0.0005	0.014	< 0.0002	0.024	0.529	< 0.0025	< 0.002
	11/10/2017	< 0.003	0.													

ATTACHMENT 1
Groundwater Flow Contour Maps



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

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

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

CCR GROUNDWATER CONTOUR MAP FOR ABB/ASB SILT/CLAY UNIT 1Q2024

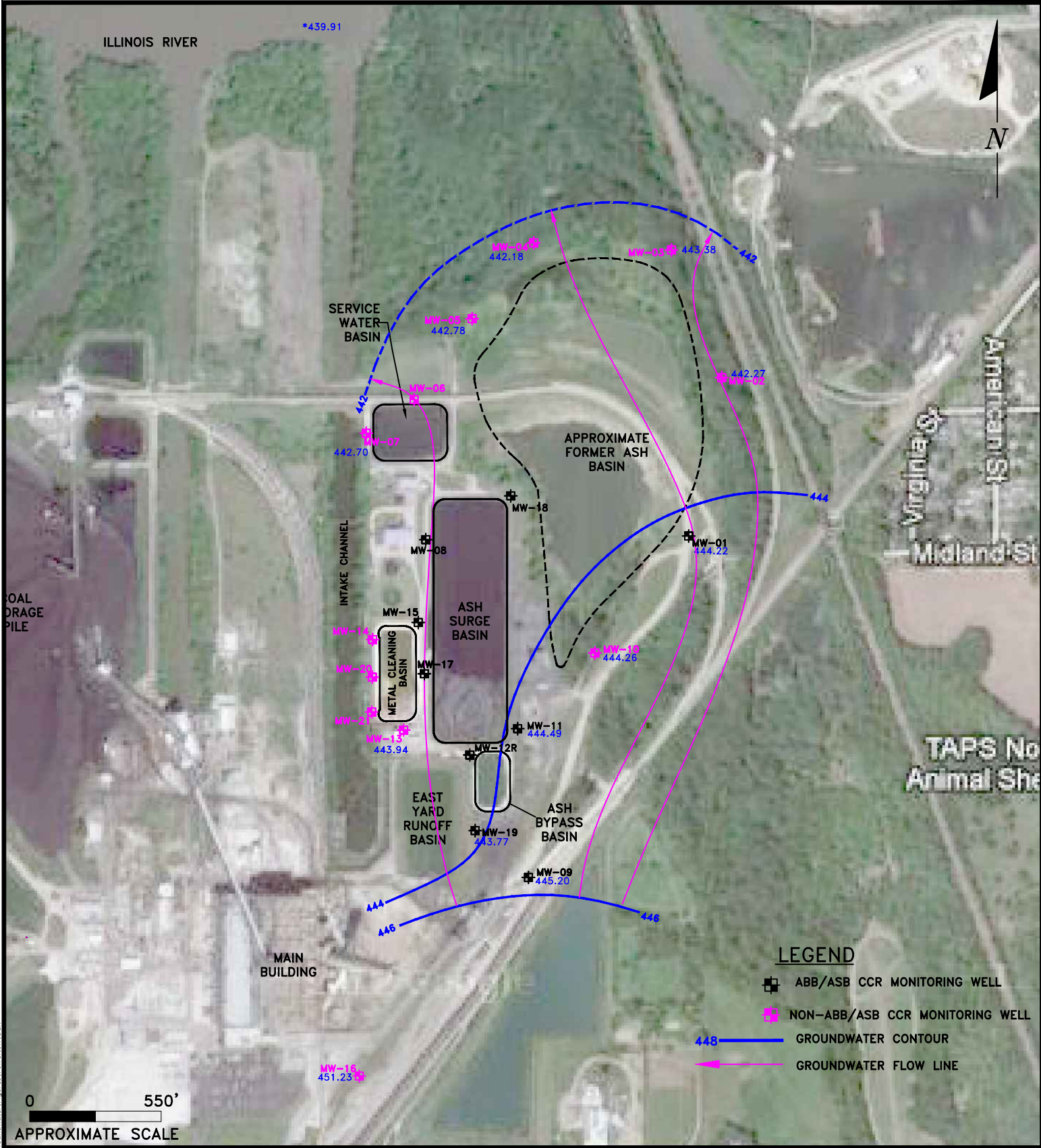
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PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 2025

KPRG Project No. 12313.1

ATTACHMENT 1



TP 1 Projects Midwest Generation 12313 Ash Pond Groundwater Figures Powerton CCR

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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 ABB/ASB SAND/GRAVEL UNIT 1Q2024

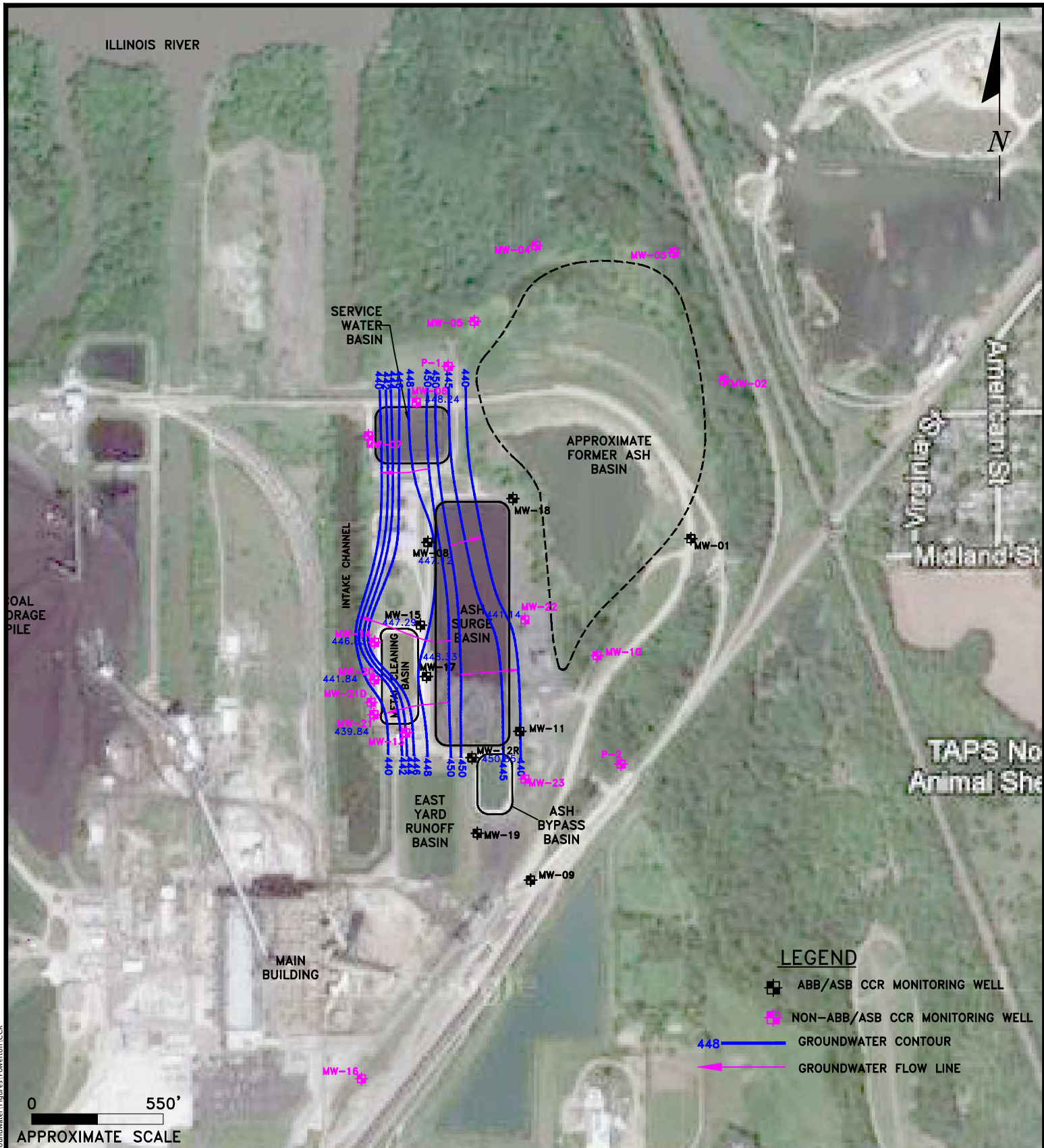
POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 2025

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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 ABB/ASB SILT/CLAY UNIT 2Q2024

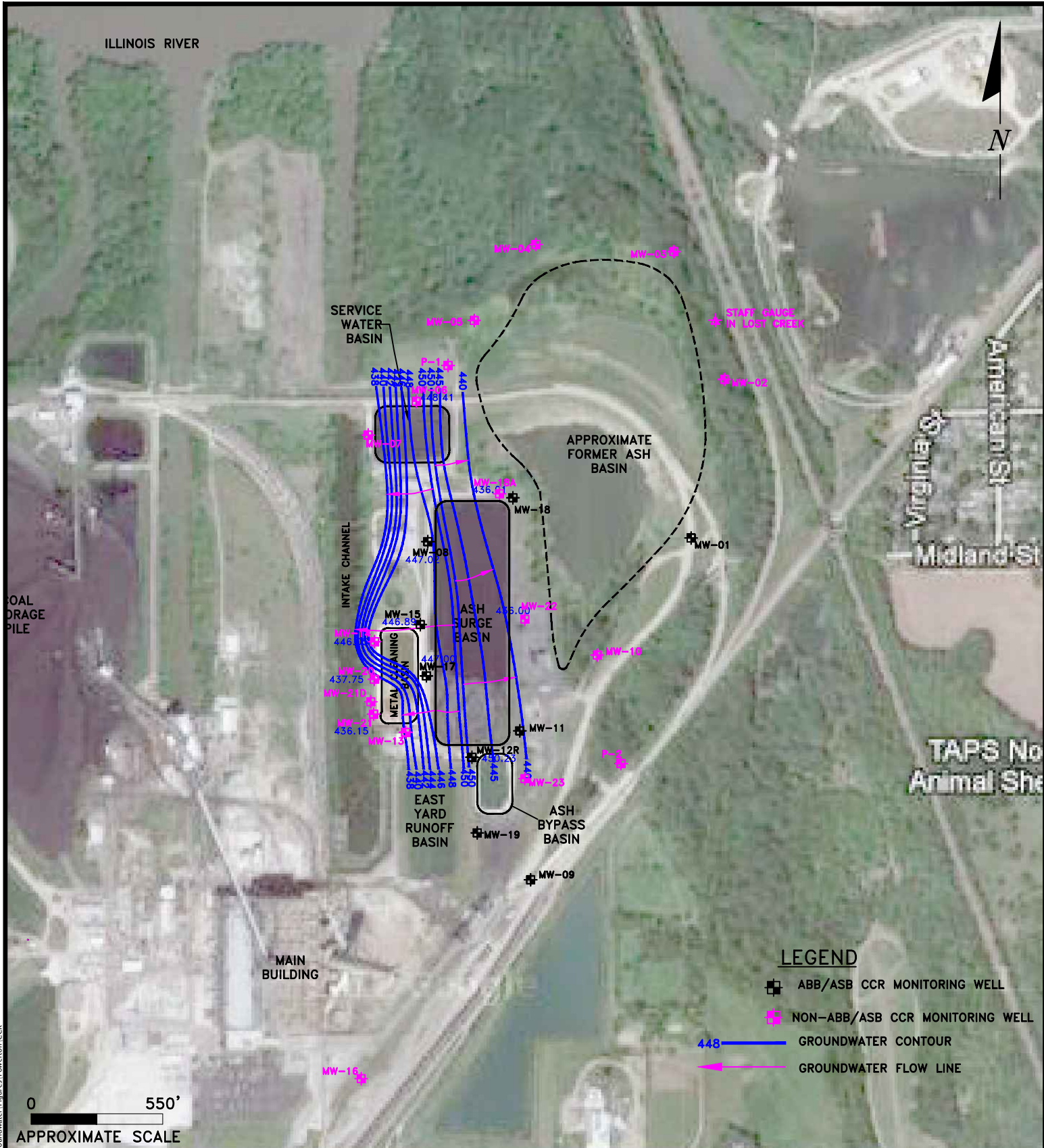
POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 2025

KPRG Project No. 12313.1

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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 ABB/ASB SILT/CLAY UNIT 3Q2024

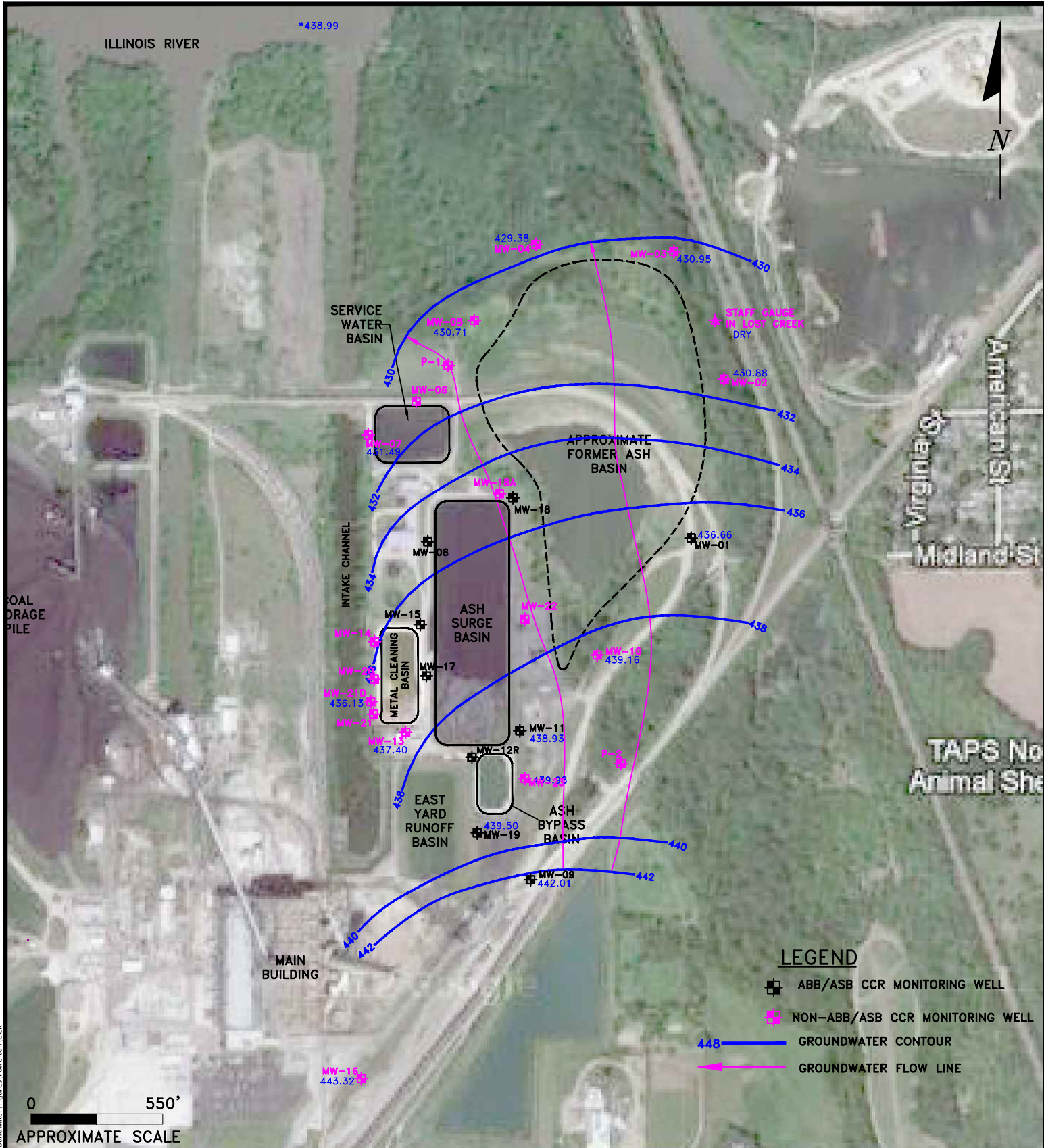
POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 2025

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TP: Projects Midwest Generation 12313 Ash Pond Groundwater Figures Powerton CCR

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CCR GROUNDWATER CONTOUR MAP
FOR ABB/ASB SAND/GRAVEL UNIT 3Q2024

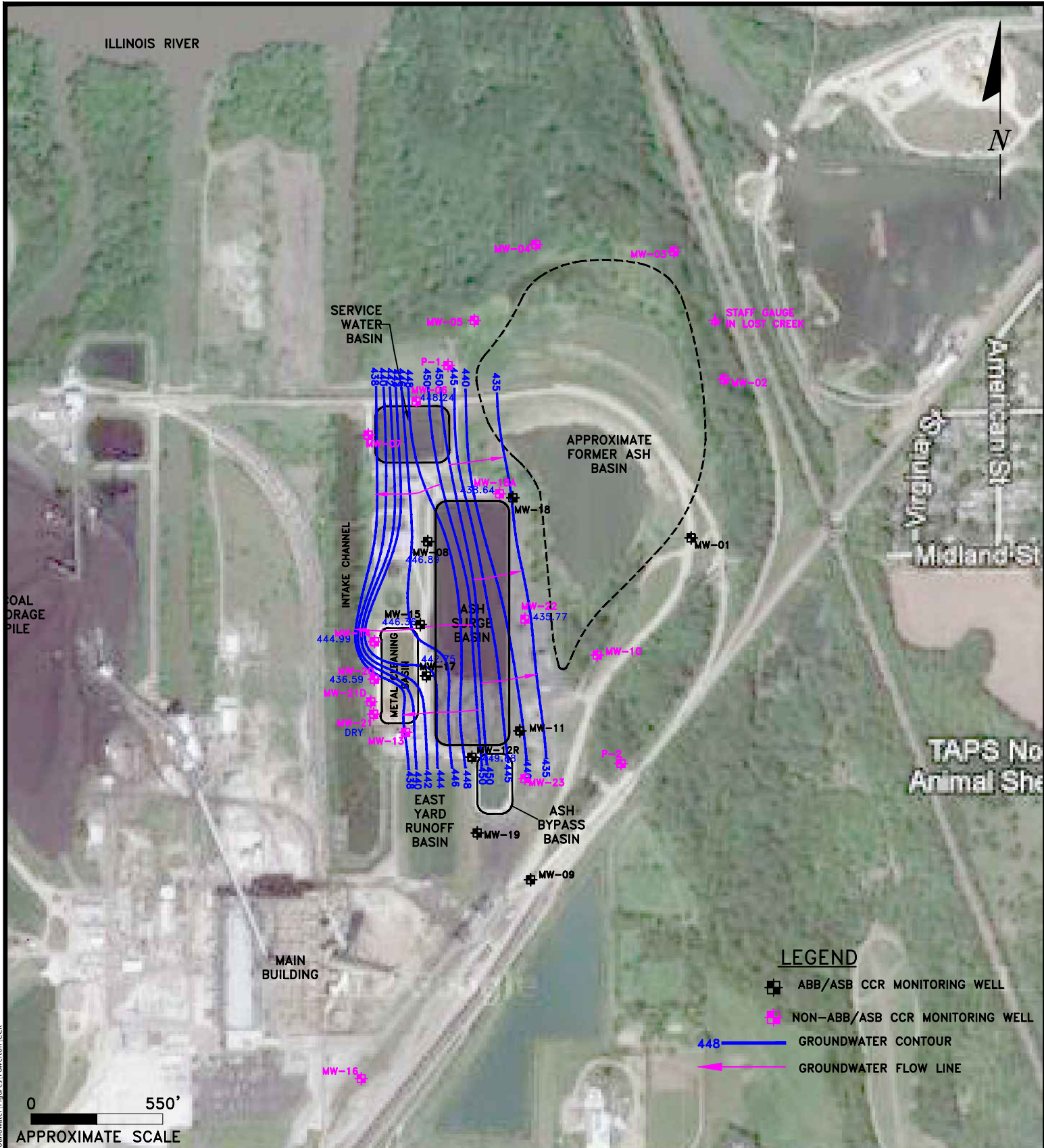
POWERTON STATION
PEKIN, ILLINOIS

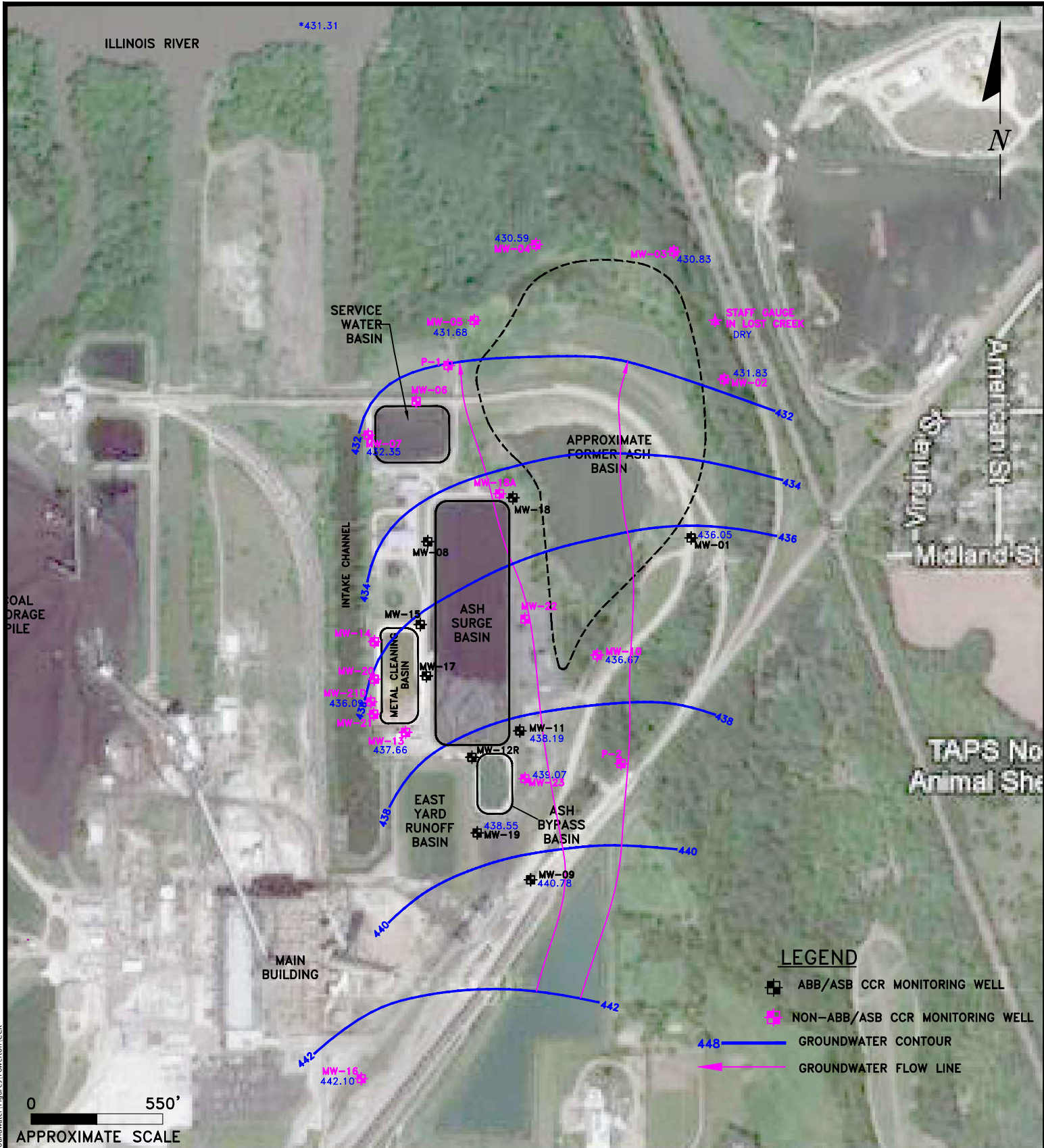
Scale: 1" = 550'

Date: January 8, 2025

KPRG Project No. 12313.1

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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 ABB/ASB SAND/GRAVEL UNIT 4Q2024

PEWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550'

Date: January 8, 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 ABB/ASB

JOB NUMBER

500-246398-1

Eurofins Chicago

Job Notes

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

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Case Narrative

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

Job ID: 500-246398-1

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Job Narrative 500-246398-1

Receipt

The samples were received on 2/20/2024 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 4 coolers at receipt time were 2.1° C, 2.2° C, 2.4° C and 3.6° C.

Metals

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

General Chemistry

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-755087 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Method Summary

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

Job ID: 500-246398-1

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 ABB/ASB

Job ID: 500-246398-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246398-1	MW-17	Water	02/19/24 15:00	02/20/24 10:00
500-246398-2	MW-18	Water	02/19/24 04:12	02/20/24 10:00
500-246398-3	MW-19	Water	02/19/24 13:02	02/20/24 10:00
500-246398-4	Duplicate	Water	02/19/24 00:00	02/20/24 10:00
500-246398-5	MW-01	Water	02/21/24 09:07	02/22/24 09:40
500-246398-6	MW-08	Water	02/21/24 12:45	02/22/24 09:40
500-246398-7	MW-09	Water	02/21/24 11:29	02/22/24 09:40
500-246398-8	MW-11	Water	02/21/24 10:17	02/22/24 09:40
500-246398-9	MW-12	Water	02/20/24 12:42	02/22/24 09:40
500-246398-10	MW-15	Water	02/20/24 11:21	02/22/24 09:40

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-17

Lab Sample ID: 500-246398-1

Date Collected: 02/19/24 15:00

Matrix: Water

Date Received: 02/20/24 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		03/07/24 17:07	03/15/24 17:29	1
Arsenic	0.0023		0.0010		mg/L		03/07/24 17:07	03/18/24 12:20	1
Barium	0.030		0.0025		mg/L		03/07/24 17:07	03/15/24 17:29	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:20	1
Boron	1.2		0.050		mg/L		03/07/24 17:07	03/18/24 12:20	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:29	1
Calcium	150		0.20		mg/L		03/07/24 17:07	03/15/24 17:29	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:29	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:29	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:29	1
Lithium	0.015		0.010		mg/L		03/07/24 17:07	03/15/24 17:29	1
Molybdenum	0.045		0.0050		mg/L		03/07/24 17:07	03/15/24 17:29	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:29	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		10		mg/L			02/23/24 06:45	1
Chloride (SM 4500 Cl- E)	180		10		mg/L			02/21/24 17:00	5
Fluoride (SM 4500 F C)	0.65		0.10		mg/L			03/07/24 19:35	1
Sulfate (SM 4500 SO4 E)	610		100		mg/L			02/22/24 14:07	20

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-18

Lab Sample ID: 500-246398-2

Date Collected: 02/19/24 04:12

Matrix: Water

Date Received: 02/20/24 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		03/07/24 17:07	03/15/24 17:32	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:24	1
Barium	0.12		0.0025		mg/L		03/07/24 17:07	03/15/24 17:32	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:24	1
Boron	0.74		0.050		mg/L		03/07/24 17:07	03/18/24 12:24	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:32	1
Calcium	130		0.20		mg/L		03/07/24 17:07	03/15/24 17:32	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:32	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:32	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:32	1
Lithium	0.013		0.010		mg/L		03/07/24 17:07	03/15/24 17:32	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:32	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:32	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			02/23/24 06:52	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			02/21/24 16:59	5
Fluoride (SM 4500 F C)	0.52		0.10		mg/L			03/15/24 12:18	1
Sulfate (SM 4500 SO4 E)	60		10		mg/L			02/22/24 14:00	2

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-19

Lab Sample ID: 500-246398-3

Date Collected: 02/19/24 13:02

Matrix: Water

Date Received: 02/20/24 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		03/07/24 17:07	03/15/24 17:36	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:27	1
Barium	0.067		0.0025		mg/L		03/07/24 17:07	03/15/24 17:36	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:27	1
Boron	3.8		0.050		mg/L		03/07/24 17:07	03/18/24 12:27	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:36	1
Calcium	73		0.20		mg/L		03/07/24 17:07	03/15/24 17:36	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:36	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:36	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:36	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:36	1
Molybdenum	0.026		0.0050		mg/L		03/07/24 17:07	03/15/24 17:36	1
Selenium	0.0033		0.0025		mg/L		03/07/24 17:07	03/15/24 17:36	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 17:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/08/24 11:00	03/11/24 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	600		10		mg/L			02/23/24 06:58	1
Chloride (SM 4500 Cl- E)	36		2.0		mg/L			02/21/24 16:38	1
Fluoride (SM 4500 F C)	0.19		0.10		mg/L			03/15/24 12:23	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			02/22/24 14:07	5

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: Duplicate

Lab Sample ID: 500-246398-4

Date Collected: 02/19/24 00:00

Matrix: Water

Date Received: 02/20/24 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		03/07/24 17:07	03/15/24 17:39	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:31	1
Barium	0.065		0.0025		mg/L		03/07/24 17:07	03/15/24 17:39	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:31	1
Boron	3.9		0.050		mg/L		03/07/24 17:07	03/18/24 12:31	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:39	1
Calcium	74		0.20		mg/L		03/07/24 17:07	03/15/24 17:39	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:39	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:39	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:39	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:39	1
Molybdenum	0.030		0.0050		mg/L		03/07/24 17:07	03/15/24 17:39	1
Selenium	0.0042		0.0025		mg/L		03/07/24 17:07	03/15/24 17:39	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	620		10		mg/L			02/23/24 07:00	1
Chloride (SM 4500 Cl- E)	35		2.0		mg/L			02/21/24 16:39	1
Fluoride (SM 4500 F C)	0.18		0.10		mg/L			03/15/24 12:28	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			02/22/24 14:07	5

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-01

Lab Sample ID: 500-246398-5

Date Collected: 02/21/24 09:07

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 17:43	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:35	1
Barium	0.089		0.0025		mg/L		03/07/24 17:07	03/15/24 17:43	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:35	1
Boron	1.3		0.050		mg/L		03/07/24 17:07	03/18/24 12:35	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:43	1
Calcium	120		0.20		mg/L		03/07/24 17:07	03/15/24 17:43	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:43	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:43	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:43	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:43	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:43	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:43	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		10		mg/L			02/23/24 07:03	1
Chloride (SM 4500 Cl- E)	47		2.0		mg/L			02/25/24 13:31	1
Fluoride (SM 4500 F C)	0.10		0.10		mg/L			03/15/24 12:33	1
Sulfate (SM 4500 SO4 E)	79		10		mg/L			02/22/24 13:58	2

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-08

Lab Sample ID: 500-246398-6

Date Collected: 02/21/24 12:45

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 17:46	1
Arsenic	0.0029		0.0010		mg/L		03/07/24 17:07	03/18/24 12:39	1
Barium	0.12		0.0025		mg/L		03/07/24 17:07	03/15/24 17:46	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:39	1
Boron	0.74		0.050		mg/L		03/07/24 17:07	03/18/24 12:39	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:46	1
Calcium	120		0.20		mg/L		03/07/24 17:07	03/15/24 17:46	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:46	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:46	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:46	1
Lithium	0.025		0.010		mg/L		03/07/24 17:07	03/15/24 17:46	1
Molybdenum	0.0086		0.0050		mg/L		03/07/24 17:07	03/15/24 17:46	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:46	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			02/23/24 07:05	1
Chloride (SM 4500 Cl- E)	69		4.0		mg/L			02/25/24 13:30	2
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			03/15/24 12:38	1
Sulfate (SM 4500 SO4 E)	89		10		mg/L			02/27/24 16:02	2

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-09

Lab Sample ID: 500-246398-7

Date Collected: 02/21/24 11:29

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 17:50	1
Arsenic	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:50	1
Barium	0.035		0.0025		mg/L		03/07/24 17:07	03/15/24 17:50	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:50	1
Boron	3.5		0.050		mg/L		03/07/24 17:07	03/18/24 12:50	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:50	1
Calcium	73		0.20		mg/L		03/07/24 17:07	03/15/24 17:50	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:50	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:50	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:50	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:50	1
Molybdenum	0.031		0.0050		mg/L		03/07/24 17:07	03/15/24 17:50	1
Selenium	0.0060		0.0025		mg/L		03/07/24 17:07	03/15/24 17:50	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	610		10		mg/L			02/23/24 07:08	1
Chloride (SM 4500 Cl- E)	31		2.0		mg/L			02/25/24 13:30	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			03/15/24 12:43	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			02/27/24 16:20	5

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-11

Lab Sample ID: 500-246398-8

Date Collected: 02/21/24 10:17

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 17:53	1
Arsenic	0.020		0.0010		mg/L		03/07/24 17:07	03/18/24 12:54	1
Barium	0.30		0.0025		mg/L		03/07/24 17:07	03/15/24 17:53	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:54	1
Boron	1.8		0.050		mg/L		03/07/24 17:07	03/18/24 12:54	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:53	1
Calcium	140		0.20		mg/L		03/07/24 17:07	03/15/24 17:53	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:53	1
Cobalt	0.0021		0.0010		mg/L		03/07/24 17:07	03/15/24 17:53	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:53	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:53	1
Molybdenum	0.011		0.0050		mg/L		03/07/24 17:07	03/15/24 17:53	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:53	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	860		10		mg/L			02/23/24 07:11	1
Chloride (SM 4500 Cl- E)	69		4.0		mg/L			02/25/24 13:30	2
Fluoride (SM 4500 F C)	0.52		0.10		mg/L			03/15/24 13:09	1
Sulfate (SM 4500 SO4 E)	73		10		mg/L			02/27/24 16:00	2

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-12

Lab Sample ID: 500-246398-9

Date Collected: 02/20/24 12:42

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 17:57	1
Arsenic	0.0032		0.0010		mg/L		03/07/24 17:07	03/18/24 12:57	1
Barium	0.051		0.0025		mg/L		03/07/24 17:07	03/15/24 17:57	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 12:57	1
Boron	0.33		0.050		mg/L		03/07/24 17:07	03/18/24 12:57	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:57	1
Calcium	110		0.20		mg/L		03/07/24 17:07	03/15/24 17:57	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 17:57	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 17:57	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 17:57	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 17:57	1
Molybdenum	0.012		0.0050		mg/L		03/07/24 17:07	03/15/24 17:57	1
Selenium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 17:57	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			02/23/24 07:13	1
Chloride (SM 4500 Cl- E)	150		10		mg/L			02/25/24 13:30	5
Fluoride (SM 4500 F C)	0.37		0.10		mg/L			03/15/24 13:14	1
Sulfate (SM 4500 SO4 E)	360		50		mg/L			02/27/24 16:19	10

Client Sample Results

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

Job ID: 500-246398-1

Client Sample ID: MW-15

Lab Sample ID: 500-246398-10

Date Collected: 02/20/24 11:21

Matrix: Water

Date Received: 02/22/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 18:04	1
Arsenic	0.0047		0.0010		mg/L		03/07/24 17:07	03/18/24 13:02	1
Barium	0.050		0.0025		mg/L		03/07/24 17:07	03/15/24 18:04	1
Beryllium	<0.0010		0.0010		mg/L		03/07/24 17:07	03/18/24 13:02	1
Boron	1.3		0.050		mg/L		03/07/24 17:07	03/18/24 13:02	1
Cadmium	0.00051		0.00050		mg/L		03/07/24 17:07	03/15/24 18:04	1
Calcium	190		0.20		mg/L		03/07/24 17:07	03/15/24 18:04	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 18:04	1
Cobalt	0.0037		0.0010		mg/L		03/07/24 17:07	03/15/24 18:04	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 18:04	1
Lithium	0.024		0.010		mg/L		03/07/24 17:07	03/15/24 18:04	1
Molybdenum	0.045		0.0050		mg/L		03/07/24 17:07	03/15/24 18:04	1
Selenium	0.016		0.0025		mg/L		03/07/24 17:07	03/15/24 18:04	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 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		03/08/24 11:00	03/11/24 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			02/23/24 07:16	1
Chloride (SM 4500 Cl- E)	200		10		mg/L			02/25/24 13:28	5
Fluoride (SM 4500 F C)	0.38		0.10		mg/L			03/15/24 13:18	1
Sulfate (SM 4500 SO4 E)	390		50		mg/L			02/27/24 16:19	10

Definitions/Glossary

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

Job ID: 500-246398-1

Qualifiers

General Chemistry

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

Glossary

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

QC Association Summary

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

Job ID: 500-246398-1

Metals

Prep Batch: 757380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total Recoverable	Water	3005A	
500-246398-2	MW-18	Total Recoverable	Water	3005A	
500-246398-3	MW-19	Total Recoverable	Water	3005A	
500-246398-4	Duplicate	Total Recoverable	Water	3005A	
500-246398-5	MW-01	Total Recoverable	Water	3005A	
500-246398-6	MW-08	Total Recoverable	Water	3005A	
500-246398-7	MW-09	Total Recoverable	Water	3005A	
500-246398-8	MW-11	Total Recoverable	Water	3005A	
500-246398-9	MW-12	Total Recoverable	Water	3005A	
500-246398-10	MW-15	Total Recoverable	Water	3005A	
MB 500-757380/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-757380/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 757479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	7470A	
500-246398-2	MW-18	Total/NA	Water	7470A	
500-246398-3	MW-19	Total/NA	Water	7470A	
500-246398-4	Duplicate	Total/NA	Water	7470A	
500-246398-5	MW-01	Total/NA	Water	7470A	
500-246398-6	MW-08	Total/NA	Water	7470A	
500-246398-7	MW-09	Total/NA	Water	7470A	
500-246398-8	MW-11	Total/NA	Water	7470A	
500-246398-9	MW-12	Total/NA	Water	7470A	
500-246398-10	MW-15	Total/NA	Water	7470A	
MB 500-757479/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-757479/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-246398-7 MS	MW-09	Total/NA	Water	7470A	
500-246398-7 MSD	MW-09	Total/NA	Water	7470A	
500-246398-7 DU	MW-09	Total/NA	Water	7470A	

Analysis Batch: 757671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	7470A	757479
500-246398-2	MW-18	Total/NA	Water	7470A	757479
500-246398-3	MW-19	Total/NA	Water	7470A	757479
500-246398-4	Duplicate	Total/NA	Water	7470A	757479
500-246398-5	MW-01	Total/NA	Water	7470A	757479
500-246398-6	MW-08	Total/NA	Water	7470A	757479
500-246398-7	MW-09	Total/NA	Water	7470A	757479
500-246398-8	MW-11	Total/NA	Water	7470A	757479
500-246398-9	MW-12	Total/NA	Water	7470A	757479
500-246398-10	MW-15	Total/NA	Water	7470A	757479
MB 500-757479/12-A	Method Blank	Total/NA	Water	7470A	757479
LCS 500-757479/13-A	Lab Control Sample	Total/NA	Water	7470A	757479
500-246398-7 MS	MW-09	Total/NA	Water	7470A	757479
500-246398-7 MSD	MW-09	Total/NA	Water	7470A	757479
500-246398-7 DU	MW-09	Total/NA	Water	7470A	757479

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QC Association Summary

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

Job ID: 500-246398-1

Metals

Analysis Batch: 758708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total Recoverable	Water	6020B	757380
500-246398-2	MW-18	Total Recoverable	Water	6020B	757380
500-246398-3	MW-19	Total Recoverable	Water	6020B	757380
500-246398-4	Duplicate	Total Recoverable	Water	6020B	757380
500-246398-5	MW-01	Total Recoverable	Water	6020B	757380
500-246398-6	MW-08	Total Recoverable	Water	6020B	757380
500-246398-7	MW-09	Total Recoverable	Water	6020B	757380
500-246398-8	MW-11	Total Recoverable	Water	6020B	757380
500-246398-9	MW-12	Total Recoverable	Water	6020B	757380
500-246398-10	MW-15	Total Recoverable	Water	6020B	757380
MB 500-757380/1-A	Method Blank	Total Recoverable	Water	6020B	757380
LCS 500-757380/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757380

Analysis Batch: 758908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total Recoverable	Water	6020B	757380
500-246398-2	MW-18	Total Recoverable	Water	6020B	757380
500-246398-3	MW-19	Total Recoverable	Water	6020B	757380
500-246398-4	Duplicate	Total Recoverable	Water	6020B	757380
500-246398-5	MW-01	Total Recoverable	Water	6020B	757380
500-246398-6	MW-08	Total Recoverable	Water	6020B	757380
500-246398-7	MW-09	Total Recoverable	Water	6020B	757380
500-246398-8	MW-11	Total Recoverable	Water	6020B	757380
500-246398-9	MW-12	Total Recoverable	Water	6020B	757380
500-246398-10	MW-15	Total Recoverable	Water	6020B	757380
MB 500-757380/1-A	Method Blank	Total Recoverable	Water	6020B	757380
LCS 500-757380/2-A	Lab Control Sample	Total Recoverable	Water	6020B	757380

General Chemistry

Analysis Batch: 755087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-246398-2	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-246398-3	MW-19	Total/NA	Water	SM 4500 Cl- E	
500-246398-4	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-755087/115	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-755087/116	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-246398-1 MS	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-246398-1 MSD	MW-17	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 755264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-246398-2	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-246398-3	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-246398-4	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-246398-5	MW-01	Total/NA	Water	SM 4500 SO4 E	
MB 500-755264/127	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-755264/128	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

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QC Association Summary

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

Job ID: 500-246398-1

General Chemistry

Analysis Batch: 755370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	SM 2540C	
500-246398-2	MW-18	Total/NA	Water	SM 2540C	
500-246398-3	MW-19	Total/NA	Water	SM 2540C	
500-246398-4	Duplicate	Total/NA	Water	SM 2540C	
500-246398-5	MW-01	Total/NA	Water	SM 2540C	
500-246398-6	MW-08	Total/NA	Water	SM 2540C	
500-246398-7	MW-09	Total/NA	Water	SM 2540C	
500-246398-8	MW-11	Total/NA	Water	SM 2540C	
500-246398-9	MW-12	Total/NA	Water	SM 2540C	
500-246398-10	MW-15	Total/NA	Water	SM 2540C	
MB 500-755370/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-755370/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-246398-1 MS	MW-17	Total/NA	Water	SM 2540C	
500-246398-1 DU	MW-17	Total/NA	Water	SM 2540C	
500-246398-2 DU	MW-18	Total/NA	Water	SM 2540C	

Analysis Batch: 755535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-5	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-246398-6	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-246398-7	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-246398-8	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-246398-9	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-246398-10	MW-15	Total/NA	Water	SM 4500 Cl- E	
MB 500-755535/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-755535/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 756044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-246398-7	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-246398-8	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-246398-9	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-246398-10	MW-15	Total/NA	Water	SM 4500 SO4 E	
MB 500-756044/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-756044/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 757490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	SM 4500 F C	
MB 500-757490/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-757490/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 758551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-2	MW-18	Total/NA	Water	SM 4500 F C	
500-246398-3	MW-19	Total/NA	Water	SM 4500 F C	
500-246398-4	Duplicate	Total/NA	Water	SM 4500 F C	
500-246398-5	MW-01	Total/NA	Water	SM 4500 F C	
500-246398-6	MW-08	Total/NA	Water	SM 4500 F C	
500-246398-7	MW-09	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-246398-1

General Chemistry (Continued)

Analysis Batch: 758551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-8	MW-11	Total/NA	Water	SM 4500 F C	
500-246398-9	MW-12	Total/NA	Water	SM 4500 F C	
500-246398-10	MW-15	Total/NA	Water	SM 4500 F C	
MB 500-758551/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-758551/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-246398-7 MS	MW-09	Total/NA	Water	SM 4500 F C	
500-246398-7 MSD	MW-09	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

Job ID: 500-246398-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-757380/1-A
Matrix: Water
Analysis Batch: 758708

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 757380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/07/24 17:07	03/15/24 16:32	1
Barium	<0.0025		0.0025		mg/L		03/07/24 17:07	03/15/24 16:32	1
Cadmium	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 16:32	1
Calcium	<0.20		0.20		mg/L		03/07/24 17:07	03/15/24 16:32	1
Chromium	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 16:32	1
Cobalt	<0.0010		0.0010		mg/L		03/07/24 17:07	03/15/24 16:32	1
Lead	<0.00050		0.00050		mg/L		03/07/24 17:07	03/15/24 16:32	1
Lithium	<0.010		0.010		mg/L		03/07/24 17:07	03/15/24 16:32	1
Molybdenum	<0.0050		0.0050		mg/L		03/07/24 17:07	03/15/24 16:32	1
Thallium	<0.0020		0.0020		mg/L		03/07/24 17:07	03/15/24 16:32	1

Lab Sample ID: MB 500-757380/1-A
Matrix: Water
Analysis Batch: 758908

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 757380

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

Lab Sample ID: LCS 500-757380/2-A
Matrix: Water
Analysis Batch: 758708

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 757380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.481		mg/L		96	80 - 120
Barium	2.00	1.73		mg/L		87	80 - 120
Cadmium	0.0500	0.0442		mg/L		88	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Chromium	0.200	0.185		mg/L		93	80 - 120
Cobalt	0.500	0.460		mg/L		92	80 - 120
Lead	0.100	0.0988		mg/L		99	80 - 120
Lithium	0.500	0.461		mg/L		92	80 - 120
Molybdenum	1.00	0.838		mg/L		84	80 - 120
Thallium	0.100	0.0932		mg/L		93	80 - 120

Lab Sample ID: LCS 500-757380/2-A
Matrix: Water
Analysis Batch: 758908

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 757380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0962		mg/L		96	80 - 120
Beryllium	0.0500	0.0443		mg/L		89	80 - 120
Boron	1.00	0.921		mg/L		92	80 - 120

QC Sample Results

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

Job ID: 500-246398-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-757479/12-A
Matrix: Water
Analysis Batch: 757671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/08/24 11:00	03/11/24 09:05	1

Lab Sample ID: LCS 500-757479/13-A
Matrix: Water
Analysis Batch: 757671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757479

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00205		mg/L		102	80 - 120

Lab Sample ID: 500-246398-7 MS
Matrix: Water
Analysis Batch: 757671

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 757479

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00106		mg/L		106	75 - 125

Lab Sample ID: 500-246398-7 MSD
Matrix: Water
Analysis Batch: 757671

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 757479

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00101		mg/L		101	75 - 125	5	20

Lab Sample ID: 500-246398-7 DU
Matrix: Water
Analysis Batch: 757671

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 757479

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 500-755370/1
Matrix: Water
Analysis Batch: 755370

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			02/23/24 06:40	1

Lab Sample ID: LCS 500-755370/2
Matrix: Water
Analysis Batch: 755370

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	258		mg/L		103	80 - 120

QC Sample Results

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

Job ID: 500-246398-1

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

Lab Sample ID: 500-246398-1 MS
Matrix: Water
Analysis Batch: 755370

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	1600		250	1750	4	mg/L		78	75 - 125

Lab Sample ID: 500-246398-1 DU
Matrix: Water
Analysis Batch: 755370

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	1600		1580		mg/L		1	5

Lab Sample ID: 500-246398-2 DU
Matrix: Water
Analysis Batch: 755370

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	1000		1010		mg/L		1	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-755087/115
Matrix: Water
Analysis Batch: 755087

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			02/21/24 16:35	1

Lab Sample ID: LCS 500-755087/116
Matrix: Water
Analysis Batch: 755087

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.3		mg/L		102	85 - 115

Lab Sample ID: 500-246398-1 MS
Matrix: Water
Analysis Batch: 755087

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
Chloride	180		20.0	201	4	mg/L		90	75 - 125

Lab Sample ID: 500-246398-1 MSD
Matrix: Water
Analysis Batch: 755087

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
Chloride	180		20.0	198	4	mg/L		73	75 - 125	2	20

Eurofins Chicago

QC Sample Results

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

Job ID: 500-246398-1

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 500-755535/68

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

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-757490/31

Matrix: Water

Analysis Batch: 757490

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			03/07/24 17:22	1

Lab Sample ID: LCS 500-757490/32

Matrix: Water

Analysis Batch: 757490

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	9.98		mg/L		100	90 - 119

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: 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: 500-246398-7 MS

Matrix: Water

Analysis Batch: 758551

Client Sample ID: MW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.17		5.00	5.19		mg/L		100	75 - 125

Eurofins Chicago

QC Sample Results

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

Job ID: 500-246398-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-246398-7 MSD

Matrix: Water

Analysis Batch: 758551

Client Sample ID: MW-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.17		5.00	5.16		mg/L		100	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-755264/127

Matrix: Water

Analysis Batch: 755264

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			02/22/24 13:39	1

Lab Sample ID: LCS 500-755264/128

Matrix: Water

Analysis Batch: 755264

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	22.7		mg/L		113	88 - 123

Lab Sample ID: MB 500-756044/16

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 14:43	1

Lab Sample ID: LCS 500-756044/17

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	22.4		mg/L		112	88 - 123

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		Sample: <u>Jack Misner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-120485-47169 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 1 of 1 <u>500-246398</u>	
Company: KPRG and Associates, Inc.		PWSID:		Analysis Requested				Job #: <u>123131</u>	
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested: <u>Standard</u>		 500-246398 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)	
City: Brookfield		TAT Requested (days): <u>Standard</u>							
State, Zip: WI, 53005		Compliance Project: ☐ Yes ☒ No							
Phone: 262-781-0475(Tel)		PO #: 4602125100							
Email: kaelyns@kprginc.com		WO #:							
Project Name: ABB/ASB Event Desc. Quarterly Powerton CCR Sampling		Project #: 60011612							
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/MS (Yes or No)	Total Number of Containers	
								Special Instructions/Note:	
MW-01					Water				
~~MW-08~~					Water				
~~MW-09~~					Water				
~~MW-11~~					Water				
~~MW-12~~					Water				
~~MW-15~~					Water				
1	MW-17	2/19/24	1500	G	Water	N	X	X	X
2	MW-18	2/19/24	1412	G	Water	N	X	X	X
3	MW-19	2/19/24	1302	G	Water	N	X	X	X
4	Duplicate	2/19/24	-	G	Water	N	X	X	X
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>Jack Misner</u>		Date/Time: <u>2/19/24 1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>2/19/24 1700</u>	
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>2/20/24 1000</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>17+22, 4.1+3.6</u>					

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: <u>Jack Misner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-120485-47169 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 1 of 1 <u>500-246398</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>		 500-246398 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)							
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 #:											
Project Name: ABB/ASB 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/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	SM4500_SO4_E - Sulfate	Total Number of Containers	Special Instructions/Note:
				Preservation Code									
5 MW-01	2/21/24	0907	G	Water	N	N	X	X	X	X			
6 MW-08	2/21/24	1245	G	Water	N	N	X	X	X	X			
7 MW-09	2/21/24	1129		Water	N	N	X	X	X	X			
8 MW-11	2/21/24	1017		Water	N	N	X	X	X	X			
9 MW-12	2/20/24	1242		Water	N	N	X	X	X	X			
10 MW-15	2/29/24	1121	G	Water	N	N	X	X	X	X			
				Water									
				Water									
				Water									
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Empty Kit Relinquished by		Date		Time		Method of Shipment:							
Relinquished by: <u>Jack Misner</u>		Date/Time: <u>2/21/24 1650</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>2/21/24 1650</u>		Company: <u>FedEx</u>			
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephane Hemond</u>		Date/Time: <u>2/22/24 0940</u>		Company: <u>FEIA</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>2.9-2.4, 2.6-2.1</u>									

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19FEB24
ACTWGT: 59.70 LB
CAD: 6994780/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

TO **EUROFINS**

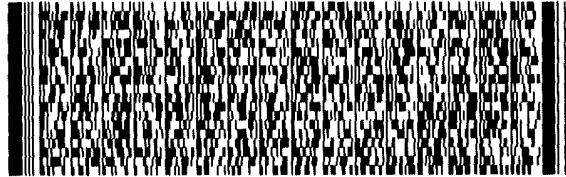
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INV:
PO:

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DEPT:



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Express

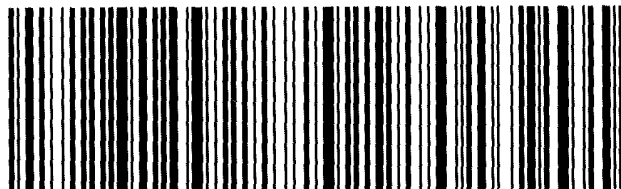


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1 of 2
TRK# 2711 6218 6854
0201
MASTER

XP JOTA

TUE - 20 FEB 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



ORIGIN ID:PIAA (262) 622-1143
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

TO **EUROFINS**

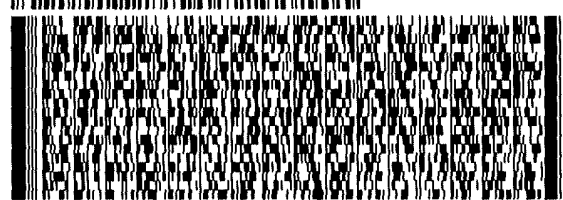
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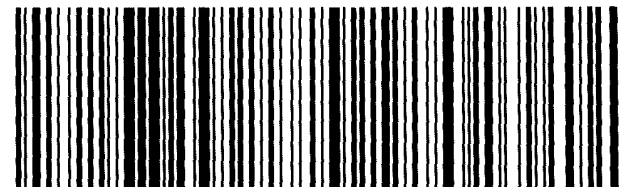


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MP# 2711 6218 6865
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Mstr# 2711 6218 6854

XP JOTA

TUE - 20 FEB 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



500-246398 Waybi

ORIGIN ID:PIAA (262) 622-1143
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 21FEB24
ACTWGT: 60.15 LB
CAD: 6994780/SSFE2500
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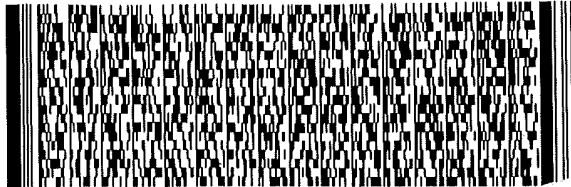
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3 of 4

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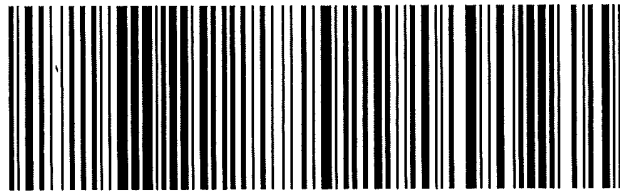
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XP JOTA

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IL-US ORD



ORIGIN ID:PIAA (262) 622-1
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

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5659
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2417 BOND ST.

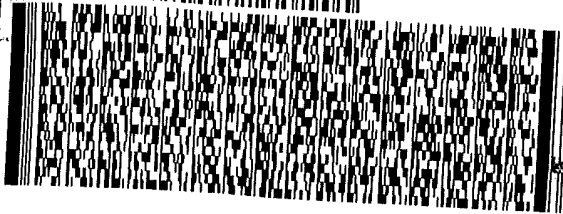
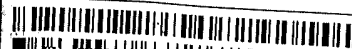
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REF:

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DEPT:



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AM 100110420

REL#
3785346

4 of 4

MPS#
0263

2712 6386 5659

Mstr# 2712 6386 5626

0201

XP JOTA

60484
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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-246398-1

Login Number: 246398

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,3.6,2.4,2.1
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 ABB/ASB

Job ID: 500-246398-1

Client Sample ID: MW-17

Date Collected: 02/19/24 15:00

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:29
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:20
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:10
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 06:45
Total/NA	Analysis	SM 4500 CI- E		5	755087	TR	EET CHI	02/21/24 17:00
Total/NA	Analysis	SM 4500 F C		1	757490	LEG	EET CHI	03/07/24 19:35
Total/NA	Analysis	SM 4500 SO4 E		20	755264	TR	EET CHI	02/22/24 14:07

Client Sample ID: MW-18

Date Collected: 02/19/24 04:12

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:32
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:24
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:12
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 06:52
Total/NA	Analysis	SM 4500 CI- E		5	755087	TR	EET CHI	02/21/24 16:59
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:18
Total/NA	Analysis	SM 4500 SO4 E		2	755264	TR	EET CHI	02/22/24 14:00

Client Sample ID: MW-19

Date Collected: 02/19/24 13:02

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:36
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:27
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:18
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 06:58
Total/NA	Analysis	SM 4500 CI- E		1	755087	TR	EET CHI	02/21/24 16:38
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:23
Total/NA	Analysis	SM 4500 SO4 E		5	755264	TR	EET CHI	02/22/24 14:07

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-246398-1

Client Sample ID: Duplicate

Lab Sample ID: 500-246398-4

Date Collected: 02/19/24 00:00

Matrix: Water

Date Received: 02/20/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:39
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:31
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:20
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:00
Total/NA	Analysis	SM 4500 CI- E		1	755087	TR	EET CHI	02/21/24 16:39
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:28
Total/NA	Analysis	SM 4500 SO4 E		5	755264	TR	EET CHI	02/22/24 14:07

Client Sample ID: MW-01

Lab Sample ID: 500-246398-5

Date Collected: 02/21/24 09:07

Matrix: Water

Date Received: 02/22/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:43
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:35
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:22
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:03
Total/NA	Analysis	SM 4500 CI- E		1	755535	TR	EET CHI	02/25/24 13:31
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:33
Total/NA	Analysis	SM 4500 SO4 E		2	755264	TR	EET CHI	02/22/24 13:58

Client Sample ID: MW-08

Lab Sample ID: 500-246398-6

Date Collected: 02/21/24 12:45

Matrix: Water

Date Received: 02/22/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:46
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:39
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:25
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:05
Total/NA	Analysis	SM 4500 CI- E		2	755535	TR	EET CHI	02/25/24 13:30
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:38
Total/NA	Analysis	SM 4500 SO4 E		2	756044	TR	EET CHI	02/27/24 16:02

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Lab Chronicle

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

Job ID: 500-246398-1

Client Sample ID: MW-09

Date Collected: 02/21/24 11:29

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:50
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:50
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:27
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:08
Total/NA	Analysis	SM 4500 CI- E		1	755535	TR	EET CHI	02/25/24 13:30
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 12:43
Total/NA	Analysis	SM 4500 SO4 E		5	756044	TR	EET CHI	02/27/24 16:20

Client Sample ID: MW-11

Date Collected: 02/21/24 10:17

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:53
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:54
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:35
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:11
Total/NA	Analysis	SM 4500 CI- E		2	755535	TR	EET CHI	02/25/24 13:30
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 13:09
Total/NA	Analysis	SM 4500 SO4 E		2	756044	TR	EET CHI	02/27/24 16:00

Client Sample ID: MW-12

Date Collected: 02/20/24 12:42

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 17:57
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 12:57
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:37
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:13
Total/NA	Analysis	SM 4500 CI- E		5	755535	TR	EET CHI	02/25/24 13:30
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 13:14
Total/NA	Analysis	SM 4500 SO4 E		10	756044	TR	EET CHI	02/27/24 16:19

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Lab Chronicle

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

Job ID: 500-246398-1

Client Sample ID: MW-15

Lab Sample ID: 500-246398-10

Date Collected: 02/20/24 11:21

Matrix: Water

Date Received: 02/22/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758708	RN	EET CHI	03/15/24 18:04
Total Recoverable	Prep	3005A			757380	MC	EET CHI	03/07/24 17:07 - 03/07/24 23:07 ¹
Total Recoverable	Analysis	6020B		1	758908	RN	EET CHI	03/18/24 13:02
Total/NA	Prep	7470A			757479	MJG	EET CHI	03/08/24 11:00 - 03/08/24 13:00 ¹
Total/NA	Analysis	7470A		1	757671	MJG	EET CHI	03/11/24 09:44
Total/NA	Analysis	SM 2540C		1	755370	CLB	EET CHI	02/23/24 07:16
Total/NA	Analysis	SM 4500 Cl- E		5	755535	TR	EET CHI	02/25/24 13:28
Total/NA	Analysis	SM 4500 F C		1	758551	SO	EET CHI	03/15/24 13:18
Total/NA	Analysis	SM 4500 SO4 E		10	756044	TR	EET CHI	02/27/24 16:19

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 ABB/ASB

Job ID: 500-246398-1

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
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6
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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 3/22/2024 10:44:14 AM

JOB DESCRIPTION

Powerton CCR ABB/ASB (RAD)

JOB NUMBER

500-246398-2

Eurofins Chicago

Job Notes

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Authorization



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

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Case Narrative

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

Job ID: 500-246398-2

Job ID: 500-246398-2

Eurofins Chicago

Job Narrative 500-246398-2

Receipt

The samples were received on 02/20/24 10:00. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.1° C, 2.2° C, 2.4° C and 3.6° C.

RAD

Method 904.0: Radium-228 batch 649964

The sample duplicate (DUP) precision 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. (160-53264-B-59-B DU)

Method 904.0: Radium-228 batch 649964

The yttrium carrier recovery was outside the upper QC limit in the associated sample. The samples have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported. (160-53264-A-59-B)

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 ABB/ASB (RAD)

Job ID: 500-246398-2

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 ABB/ASB (RAD)

Job ID: 500-246398-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-246398-1	MW-17	Water	02/19/24 15:00	02/20/24 10:00
500-246398-2	MW-18	Water	02/19/24 04:12	02/20/24 10:00
500-246398-3	MW-19	Water	02/19/24 13:02	02/20/24 10:00
500-246398-4	Duplicate	Water	02/19/24 00:00	02/20/24 10:00
500-246398-5	MW-01	Water	02/21/24 09:07	02/22/24 09:40
500-246398-6	MW-08	Water	02/21/24 12:45	02/22/24 09:40
500-246398-7	MW-09	Water	02/21/24 11:29	02/22/24 09:40
500-246398-8	MW-11	Water	02/21/24 10:17	02/22/24 09:40
500-246398-9	MW-12	Water	02/20/24 12:42	02/22/24 09:40
500-246398-10	MW-15	Water	02/20/24 11:21	02/22/24 09:40

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-17

Lab Sample ID: 500-246398-1

Date Collected: 02/19/24 15:00

Matrix: Water

Date Received: 02/20/24 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	0.0352	U	0.0546	0.0547	1.00	0.0947	pCi/L	02/22/24 10:00	03/15/24 07:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					02/22/24 10:00	03/15/24 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	-0.0798	U	0.243	0.243	1.00	0.489	pCi/L	02/22/24 10:04	03/08/24 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					02/22/24 10:04	03/08/24 11:57	1
Y Carrier	77.8		30 - 110					02/22/24 10:04	03/08/24 11:57	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	-0.0446	U	0.249	0.249	5.00	0.489	pCi/L		03/15/24 13:35	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-18

Lab Sample ID: 500-246398-2

Date Collected: 02/19/24 04:12

Matrix: Water

Date Received: 02/20/24 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	0.174		0.0966	0.0979	1.00	0.126	pCi/L	02/22/24 10:00	03/15/24 07:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/22/24 10:00	03/15/24 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	0.707		0.377	0.382	1.00	0.523	pCi/L	02/22/24 10:04	03/08/24 11:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/22/24 10:04	03/08/24 11:57	1
Y Carrier	77.0		30 - 110					02/22/24 10:04	03/08/24 11:57	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	0.881		0.389	0.394	5.00	0.523	pCi/L		03/15/24 13:35	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-19

Lab Sample ID: 500-246398-3

Date Collected: 02/19/24 13:02

Matrix: Water

Date Received: 02/20/24 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	0.0745	U	0.0869	0.0871	1.00	0.142	pCi/L	02/22/24 10:00	03/15/24 07:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/22/24 10:00	03/15/24 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	0.362	U	0.314	0.316	1.00	0.494	pCi/L	02/22/24 10:04	03/08/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/22/24 10:04	03/08/24 12:04	1
Y Carrier	82.2		30 - 110					02/22/24 10:04	03/08/24 12:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.437	U	0.326	0.328	5.00	0.494	pCi/L		03/15/24 13:35	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: Duplicate

Lab Sample ID: 500-246398-4

Date Collected: 02/19/24 00:00

Matrix: Water

Date Received: 02/20/24 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	0.0692	0.0693	1.00	0.121	pCi/L	02/22/24 10:00	03/15/24 07:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					02/22/24 10:00	03/15/24 07:15	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	0.367	U	0.306	0.308	1.00	0.473	pCi/L	02/22/24 10:04	03/08/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					02/22/24 10:04	03/08/24 12:04	1
Y Carrier	80.7		30 - 110					02/22/24 10:04	03/08/24 12:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.407	U	0.314	0.316	5.00	0.473	pCi/L		03/15/24 13:35	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-01

Lab Sample ID: 500-246398-5

Date Collected: 02/21/24 09:07

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0712	U	0.0631	0.0634	1.00	0.0933	pCi/L	02/27/24 10:05	03/20/24 07:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					02/27/24 10:05	03/20/24 07:19	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	0.185	U	0.276	0.277	1.00	0.468	pCi/L	02/27/24 10:09	03/13/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					02/27/24 10:09	03/13/24 12:13	1
Y Carrier	80.7		30 - 110					02/27/24 10:09	03/13/24 12:13	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.256	U	0.283	0.284	5.00	0.468	pCi/L		03/21/24 22:24	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-08

Lab Sample ID: 500-246398-6

Date Collected: 02/21/24 12:45

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171		0.0825	0.0840	1.00	0.0903	pCi/L	02/27/24 10:05	03/20/24 07:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					02/27/24 10:05	03/20/24 07:19	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	0.477	U	0.339	0.342	1.00	0.515	pCi/L	02/27/24 10:09	03/13/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	105		30 - 110					02/27/24 10:09	03/13/24 12:14	1
Y Carrier	80.4		30 - 110					02/27/24 10:09	03/13/24 12:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.648		0.349	0.352	5.00	0.515	pCi/L		03/21/24 22:24	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-09

Lab Sample ID: 500-246398-7

Date Collected: 02/21/24 11:29

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0356	U	0.0628	0.0629	1.00	0.111	pCi/L	02/27/24 10:05	03/20/24 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:05	03/20/24 07:32	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	0.605		0.368	0.372	1.00	0.540	pCi/L	02/27/24 10:09	03/13/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:09	03/13/24 12:14	1
Y Carrier	83.0		30 - 110					02/27/24 10:09	03/13/24 12:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.641		0.373	0.377	5.00	0.540	pCi/L		03/21/24 22:24	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-11

Lab Sample ID: 500-246398-8

Date Collected: 02/21/24 10:17

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.108	0.111	1.00	0.121	pCi/L	02/27/24 10:05	03/20/24 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					02/27/24 10:05	03/20/24 07:32	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	0.912		0.434	0.442	1.00	0.589	pCi/L	02/27/24 10:09	03/13/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.7		30 - 110					02/27/24 10:09	03/13/24 12:14	1
Y Carrier	74.8		30 - 110					02/27/24 10:09	03/13/24 12:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.17		0.447	0.456	5.00	0.589	pCi/L		03/21/24 22:24	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-12

Lab Sample ID: 500-246398-9

Date Collected: 02/20/24 12:42

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.149		0.0877	0.0888	1.00	0.116	pCi/L	02/27/24 10:05	03/20/24 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					02/27/24 10:05	03/20/24 07:32	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	0.209	U	0.307	0.308	1.00	0.520	pCi/L	02/27/24 10:09	03/13/24 12:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110					02/27/24 10:09	03/13/24 12:14	1
Y Carrier	72.5		30 - 110					02/27/24 10:09	03/13/24 12:14	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.358	U	0.319	0.321	5.00	0.520	pCi/L		03/21/24 22:24	1

Client Sample Results

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

Job ID: 500-246398-2

Client Sample ID: MW-15

Lab Sample ID: 500-246398-10

Date Collected: 02/20/24 11:21

Matrix: Water

Date Received: 02/22/24 09:40

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136		0.0893	0.0902	1.00	0.125	pCi/L	02/27/24 10:05	03/20/24 07:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					02/27/24 10:05	03/20/24 07:32	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	0.320	U	0.335	0.336	1.00	0.543	pCi/L	02/27/24 10:09	03/13/24 12:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	104		30 - 110					02/27/24 10:09	03/13/24 12:54	1
Y Carrier	84.5		30 - 110					02/27/24 10:09	03/13/24 12:54	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.456	U	0.347	0.348	5.00	0.543	pCi/L		03/21/24 22:24	1

Definitions/Glossary

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

Job ID: 500-246398-2

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 ABB/ASB (RAD)

Job ID: 500-246398-2

Rad

Prep Batch: 649207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	PrecSep-21	
500-246398-2	MW-18	Total/NA	Water	PrecSep-21	
500-246398-3	MW-19	Total/NA	Water	PrecSep-21	
500-246398-4	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-649207/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649207/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 649208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-1	MW-17	Total/NA	Water	PrecSep_0	
500-246398-2	MW-18	Total/NA	Water	PrecSep_0	
500-246398-3	MW-19	Total/NA	Water	PrecSep_0	
500-246398-4	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-649208/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649208/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 649963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-5	MW-01	Total/NA	Water	PrecSep-21	
500-246398-6	MW-08	Total/NA	Water	PrecSep-21	
500-246398-7	MW-09	Total/NA	Water	PrecSep-21	
500-246398-8	MW-11	Total/NA	Water	PrecSep-21	
500-246398-9	MW-12	Total/NA	Water	PrecSep-21	
500-246398-10	MW-15	Total/NA	Water	PrecSep-21	
MB 160-649963/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649963/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 649964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-246398-5	MW-01	Total/NA	Water	PrecSep_0	
500-246398-6	MW-08	Total/NA	Water	PrecSep_0	
500-246398-7	MW-09	Total/NA	Water	PrecSep_0	
500-246398-8	MW-11	Total/NA	Water	PrecSep_0	
500-246398-9	MW-12	Total/NA	Water	PrecSep_0	
500-246398-10	MW-15	Total/NA	Water	PrecSep_0	
MB 160-649964/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649964/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-246398-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-649207/1-A

Matrix: Water

Analysis Batch: 652691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 649207

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05133	U	0.0566	0.0568	1.00	0.0901	pCi/L	02/22/24 10:00	03/15/24 07:04	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110					02/22/24 10:00	03/15/24 07:04	1

Lab Sample ID: LCS 160-649207/2-A

Matrix: Water

Analysis Batch: 652691

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 649207

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.02		1.05	1.00	0.0801	pCi/L	88	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	104		30 - 110							

Lab Sample ID: MB 160-649963/1-A

Matrix: Water

Analysis Batch: 653196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 649963

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.007554	U	0.0478	0.0478	1.00	0.105	pCi/L	02/27/24 10:05	03/20/24 07:16	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 10:05	03/20/24 07:16	1

Lab Sample ID: LCS 160-649963/2-A

Matrix: Water

Analysis Batch: 653196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 649963

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.23		1.08	1.00	0.0993	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	98.5		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-649208/1-A

Matrix: Water

Analysis Batch: 651636

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 649208

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.07674	U	0.237	0.237	1.00	0.426	pCi/L	02/22/24 10:04	03/08/24 11:54	1

Eurofins Chicago

QC Sample Results

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

Job ID: 500-246398-2

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110	02/22/24 10:04	03/08/24 11:54	1
Y Carrier	83.7		30 - 110	02/22/24 10:04	03/08/24 11:54	1

Lab Sample ID: LCS 160-649208/2-A
Matrix: Water
Analysis Batch: 651636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649208

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.14	9.187		1.23	1.00	0.461	pCi/L	100	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	104		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: MB 160-649964/1-A
Matrix: Water
Analysis Batch: 652315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649964

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.004376	U	0.255	0.255	1.00	0.485	pCi/L	02/27/24 10:09	03/13/24 12:42	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110	02/27/24 10:09	03/13/24 12:42	1
Y Carrier	86.7		30 - 110	02/27/24 10:09	03/13/24 12:42	1

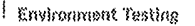
Lab Sample ID: LCS 160-649964/2-A
Matrix: Water
Analysis Batch: 652315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649964

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.13	10.56		1.40	1.00	0.571	pCi/L	116	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.5		30 - 110
Y Carrier	84.9		30 - 110

MKE 232



Ver: 06/08/2021 3/22/2024

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: <u>Jack Misner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-120485-47169 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 1 of 1 <u>500-246398</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>		 500-246398 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)							
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 #:											
Project Name: ABB/ASB 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/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	SM4500_SO4_E - Sulfate	Total Number of Containers	Special Instructions/Note:
				Preservation Code									
5 MW-01	2/21/24	0907	G	Water	N	N	X	X	X	X			
6 MW-08	2/21/24	1245	G	Water	N	N	X	X	X	X			
7 MW-09	2/21/24	1129		Water	N	N	X	X	X	X			
8 MW-11	2/21/24	1017		Water	N	N	X	X	X	X			
9 MW-12	2/20/24	1242		Water	N	N	X	X	X	X			
10 MW-15	2/29/24	1121	G	Water	N	N	X	X	X	X			
				Water									
				Water									
				Water									
Possible Hazard Identification		☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Empty Kit Relinquished by		Date		Time		Method of Shipment:							
Relinquished by: <u>Jack Misner</u>		Date/Time: <u>2/21/24 1650</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>2/21/24 1650</u>		Company: <u>FedEx</u>			
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephane Hemond</u>		Date/Time: <u>2/22/24 0940</u>		Company: <u>FEIA</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>2.9-2.4, 2.6-2.1</u>									

ORIGIN ID:PIAA (262) 622-1143
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19FEB24
ACTWGT: 59.70 LB
CAD: 6994780/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

Part # 15629FMS6TH085EXP 10/24

TO EUROFINS

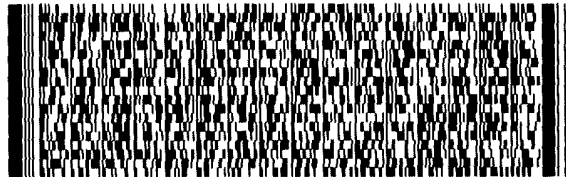
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INV:
PO:

REF:

DEPT:



FedEx
Express



REL#
3785346

1 of 2

TRK# 2711 6218 6854
0201

MASTER

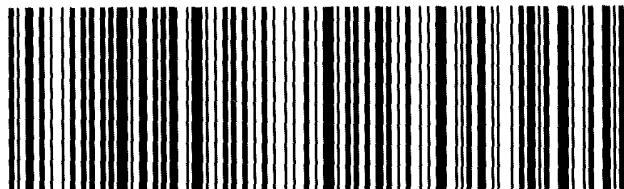
XP JOTA

TUE - 20 FEB 10:30A
PRIORITY OVERNIGHT

AHS

60484

IL-US ORD



ORIGIN ID:PIAA (262) 622-1143
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19FEB24
ACTWGT: 59.70 LB
CAD: 6994780/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

Part # 15629FMS6TH085EXP 10/24

TO EUROFINS

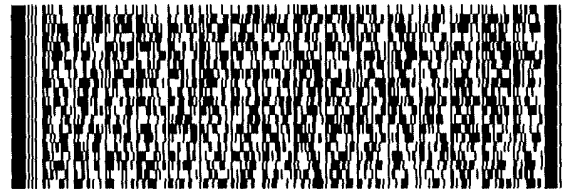
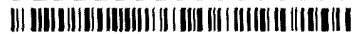
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INV:
PO:

REF:

DEPT:



FedEx
Express



REL#
3785346

2 of 2

MPS# 2711 6218 6865
0263

Mstr# 2711 6218 6854

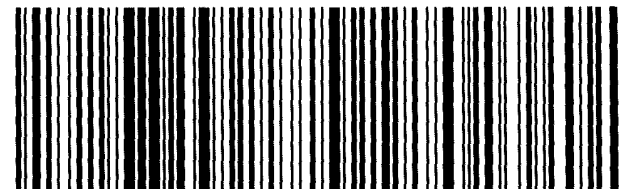
XP JOTA

TUE - 20 FEB 10:30A
PRIORITY OVERNIGHT

AHS

60484

IL-US ORD



500-246398 Waybi

ORIGIN ID:PIAA (262) 622-1143
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 21FEB24
ACTWGT: 60.15 LB
CAD: 6994780/SSFE2500
DIMS: 24x13x14 IN

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

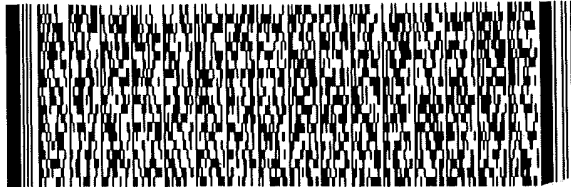
UNIVERSITY PARK IL 60484

(555) 555-5555

REF:

INVT
PO:

DEPT:



FedEx
Express



AL100110420

3 of 4

MPS#
0263

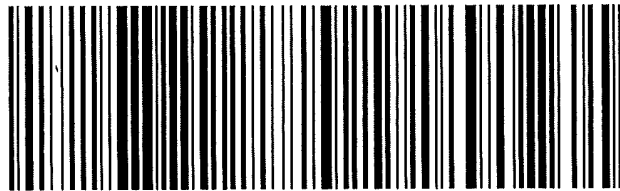
2712 6386 5648

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0201

XP JOTA

60484
IL-US ORD



ORIGIN ID:PIAA (262) 622-1
JACK MISNER
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

RT 519
ST 22

10:30

5659
02.22

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

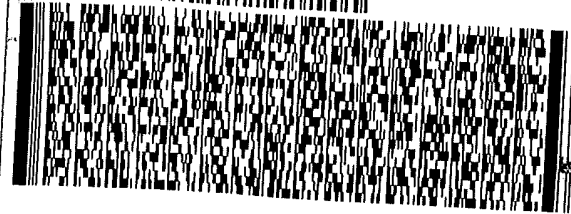
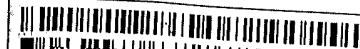
UNIVERSITY PARK IL 60484

(555) 555-5555

REF:

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REL#
3785346

4 of 4

MPS#
0263

2712 6386 5659

Mstr# 2712 6386 5626

0201

XP JOTA

60484
IL-US ORD





Eurofins Chicago

2417 Bond Street

University Park. IL 60484

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

[illegible]

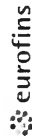
Eurofins Chicago

2417 Bond Street

University Park, IL 60484

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab PM: Mockler, Diana J	Carrier Tracking No(s)	COC No: 500-185015.1							
Client Contact		Phone:	E-Mail: Diana Mockler@eurofins.com	State of Origin Illinois	Page Page 1 of 1							
Shipping/Receiving												
Company TestAmerica Laboratories, Inc.		Accreditations Required (See note) NELAP - Illinois										
Address 13715 Rider Trail North,		Job # 500-246398-2										
City Earth City		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Tizma Z - other (specify)										
State, Zip MO, 63045		Analysis Requested										
Phone 314-298-8566(Tel) 314-298-8757(Fax)		Due Date Requested: 3/12/2024										
Email:		TAT Requested (days):										
Project Name Powerton CCR (RAD)		PO #										
Site MWG - Powerton		WO #										
Project # 50011612		Project #										
SSOW#		SSOW#										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Sediment, Over-sat, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep, 21 Standard Target List	904.0/PrecSep, 0 Standard Target List	Ra226Ra228, GFC	Total Number of Containers	Special Instructions/Note:
MW-01 (500-246398-5)	2/21/24	09:07	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-08 (500-246398-6)	2/21/24	12:45	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-09 (500-246398-7)	2/21/24	11:29	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-11 (500-246398-8)	2/21/24	10:17	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-12 (500-246398-9)	2/20/24	12:42	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-15 (500-246398-10)	2/20/24	11:21	Central	Water	Water	X	X	X	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												
Special Instructions/QC Requirements:												
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)												
Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months												
Empty Kit Relinquished by:												
Date/Time: 2/22/24 1300												
Company: ETASU												
Relinquished by: [Signature]												
Date/Time: 2/23/24 0830												
Company: ETASU												
Relinquished by: [Signature]												
Date/Time: 2/23/24 0830												
Company: ETASU												
Relinquished by: [Signature]												
Date/Time: 2/23/24 0830												
Company: ETASU												
Custody Seals Intact: ☐ Yes ☐ No												
Custody Seal No.:												
Cooler Temperature(s) °C and Other Remarks:												

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-246398-2

Login Number: 246398

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,3.6,2.4,2.1
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: 500-246398-2

Login Number: 246398

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 02/21/24 01:25 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.	True	
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: 500-246398-2

Login Number: 246398

List Number: 3

Creator: Thornley, Richard W

List Source: Eurofins St. Louis

List Creation: 02/23/24 04:31 PM

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

Lab Chronicle

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

Job ID: 500-246398-2

Client Sample ID: MW-17

Date Collected: 02/19/24 15:00

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649207	KAC	EET SL	02/22/24 10:00
Total/NA	Analysis	903.0		1	652700	SCB	EET SL	03/15/24 07:21
Total/NA	Prep	PrecSep_0			649208	KAC	EET SL	02/22/24 10:04
Total/NA	Analysis	904.0		1	651636	FLC	EET SL	03/08/24 11:57
Total/NA	Analysis	Ra226_Ra228		1	652695	SCB	EET SL	03/15/24 13:35

Client Sample ID: MW-18

Date Collected: 02/19/24 04:12

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649207	KAC	EET SL	02/22/24 10:00
Total/NA	Analysis	903.0		1	652700	SCB	EET SL	03/15/24 07:21
Total/NA	Prep	PrecSep_0			649208	KAC	EET SL	02/22/24 10:04
Total/NA	Analysis	904.0		1	651636	FLC	EET SL	03/08/24 11:57
Total/NA	Analysis	Ra226_Ra228		1	652695	SCB	EET SL	03/15/24 13:35

Client Sample ID: MW-19

Date Collected: 02/19/24 13:02

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649207	KAC	EET SL	02/22/24 10:00
Total/NA	Analysis	903.0		1	652700	SCB	EET SL	03/15/24 07:21
Total/NA	Prep	PrecSep_0			649208	KAC	EET SL	02/22/24 10:04
Total/NA	Analysis	904.0		1	651635	FLC	EET SL	03/08/24 12:04
Total/NA	Analysis	Ra226_Ra228		1	652695	SCB	EET SL	03/15/24 13:35

Client Sample ID: Duplicate

Date Collected: 02/19/24 00:00

Date Received: 02/20/24 10:00

Lab Sample ID: 500-246398-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649207	KAC	EET SL	02/22/24 10:00
Total/NA	Analysis	903.0		1	652702	SCB	EET SL	03/15/24 07:15
Total/NA	Prep	PrecSep_0			649208	KAC	EET SL	02/22/24 10:04
Total/NA	Analysis	904.0		1	651635	FLC	EET SL	03/08/24 12:04
Total/NA	Analysis	Ra226_Ra228		1	652695	SCB	EET SL	03/15/24 13:35

Lab Chronicle

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

Job ID: 500-246398-2

Client Sample ID: MW-01

Date Collected: 02/21/24 09:07

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653196	SCB	EET SL	03/20/24 07:19
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:13
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Client Sample ID: MW-08

Date Collected: 02/21/24 12:45

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653196	SCB	EET SL	03/20/24 07:19
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Client Sample ID: MW-09

Date Collected: 02/21/24 11:29

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653266	SWS	EET SL	03/20/24 07:32
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Client Sample ID: MW-11

Date Collected: 02/21/24 10:17

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653266	SWS	EET SL	03/20/24 07:32
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Lab Chronicle

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

Job ID: 500-246398-2

Client Sample ID: MW-12

Date Collected: 02/20/24 12:42

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653266	SWS	EET SL	03/20/24 07:32
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Client Sample ID: MW-15

Date Collected: 02/20/24 11:21

Date Received: 02/22/24 09:40

Lab Sample ID: 500-246398-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			649963	KAC	EET SL	02/27/24 10:05
Total/NA	Analysis	903.0		1	653266	SWS	EET SL	03/20/24 07:32
Total/NA	Prep	PrecSep_0			649964	KAC	EET SL	02/27/24 10:09
Total/NA	Analysis	904.0		1	652334	SWS	EET SL	03/13/24 12:54
Total/NA	Analysis	Ra226_Ra228		1	653555	RER	EET SL	03/21/24 22:24

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-246398-2

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 ABB/ASB (RAD)

Job ID: 500-246398-2

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)					
500-246398-1	MW-17	98.0					
500-246398-2	MW-18	95.4					
500-246398-3	MW-19	101					
500-246398-4	Duplicate	98.5					
500-246398-5	MW-01	103					
500-246398-6	MW-08	105					
500-246398-7	MW-09	101					
500-246398-8	MW-11	95.7					
500-246398-9	MW-12	103					
500-246398-10	MW-15	104					
LCS 160-649207/2-A	Lab Control Sample	104					
LCS 160-649963/2-A	Lab Control Sample	98.5					
MB 160-649207/1-A	Method Blank	106					
MB 160-649963/1-A	Method Blank	98.7					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)				
500-246398-1	MW-17	98.0	77.8				
500-246398-2	MW-18	95.4	77.0				
500-246398-3	MW-19	101	82.2				
500-246398-4	Duplicate	98.5	80.7				
500-246398-5	MW-01	103	80.7				
500-246398-6	MW-08	105	80.4				
500-246398-7	MW-09	101	83.0				
500-246398-8	MW-11	95.7	74.8				
500-246398-9	MW-12	103	72.5				
500-246398-10	MW-15	104	84.5				
LCS 160-649208/2-A	Lab Control Sample	104	81.1				
LCS 160-649964/2-A	Lab Control Sample	98.5	84.9				
MB 160-649208/1-A	Method Blank	106	83.7				
MB 160-649964/1-A	Method Blank	98.7	86.7				
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

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

Authorization



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

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Case Narrative

Client: KPRG and Associates, Inc.
Project: 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	

Eurofins Chicago

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

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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 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

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

Eurofins Chicago

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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2417 Bond Street
University Park, IL 60484
Phone 708-634-6200 Fax: 708-634-6211

Chain of Custody Record

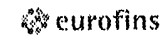
eurofins
Environmental Testing

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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MPS# 2 of 2
0263 2760 2633 4143
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TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
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ORIGIN ID:PIAA (262) 278-1621
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

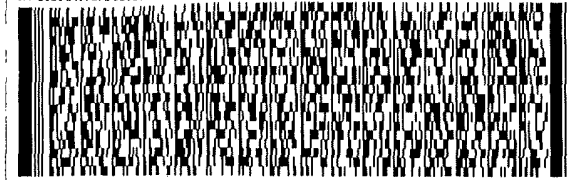
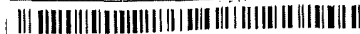
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(555) 555-5555
REF: DEPT:



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Express

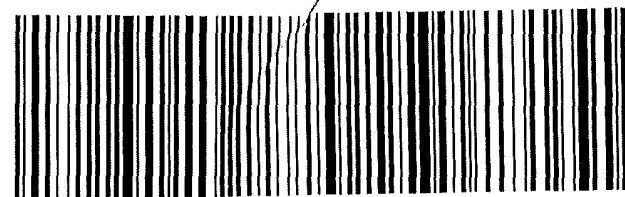


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AHS
60484
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ORIGIN ID:PIAA (262) 278-1621

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:
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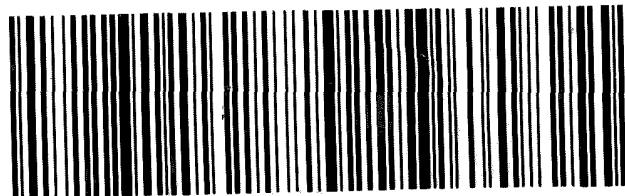


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1 of 4
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WED - 19 JUN 10:30A
PRIORITY OVERNIGHT
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ORIGIN ID:PIAA (262) 278-1621

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:

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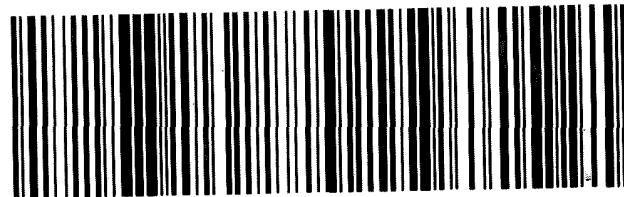
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ST 22

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XP JOTA

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AHS
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Part # 1562975-3880 08/01/24 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

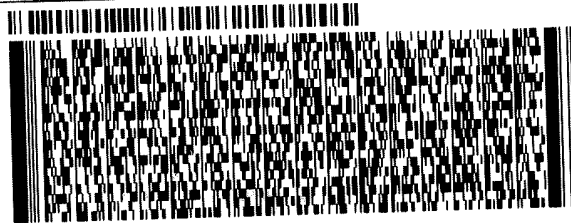
500-252291 Waybi

(555) 555-5555

REF:

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PO:

DEPT:



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Express



5 of 5

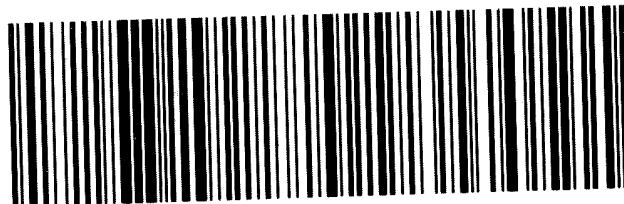
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Do not lift using this tag.

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

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06.20

TO EUROFINS

2417 BOND ST.

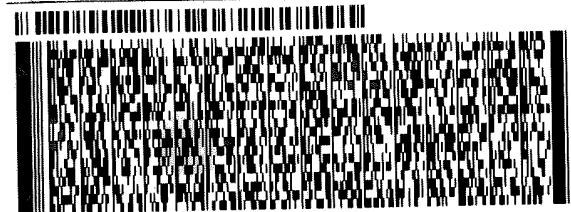
UNIVERSITY PARK IL 60484

(555) 555-5555

REF:

INU:
PO:

DEPT:



FedEx
Express



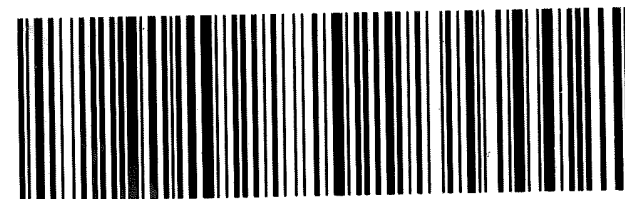
1 of 5

TRK# 2761 2064 9583

MASTER

XP JOTA

60484
IL-US ORD



4895

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
CAD: 6994780/SSFE2521
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156297-009 QNDWZEXP 01/25

TO EUROFINS

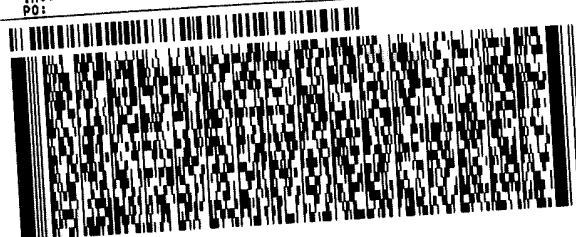
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
PO:

REF:

DEPT:



FedEx
Express



AN100262607111

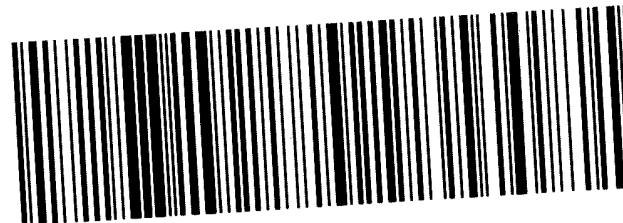
3 of 5
MPS# 2761 2064 9609
0263
Mstr# 2761 2064 9583

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

ST 25

0955
06.21

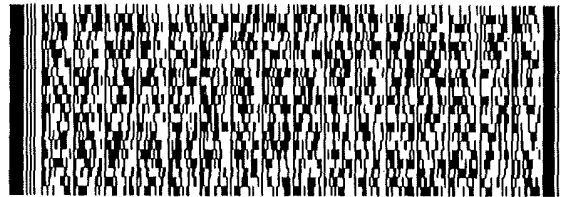
TO SAMPLE RECL
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
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PO:

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FedEx
Express



AL1062020202427

4 of 5

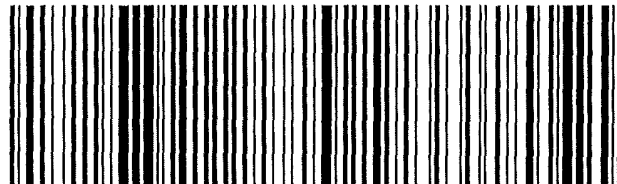
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0263

Mstr# 2761 6140 0922

0201

XP JOTA

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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:
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DEPT:



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Express



AL1062020202427

2 of 5

MPS# 2761 6140 0933
0263

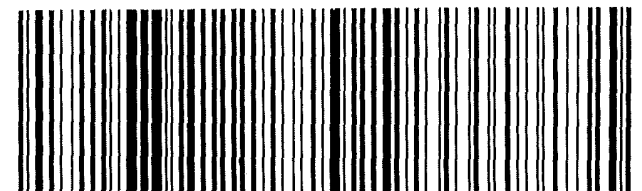
Mstr# 2761 6140 0922

0201

XP JOTA

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

60484
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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BILL

RT 519
ST 25

5 10:30 0944
06

Art # 156297-435 PRDWD2 EXP 01/25

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

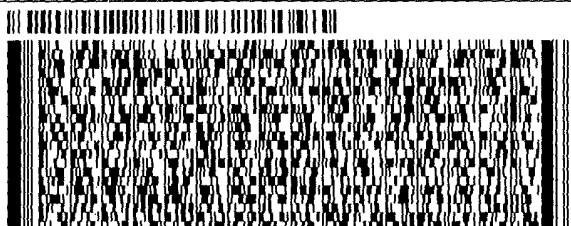
UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO1

REF:

DEPT:

5-14.7



FedEx
Express



AL10926304202424

3 of 5
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0263

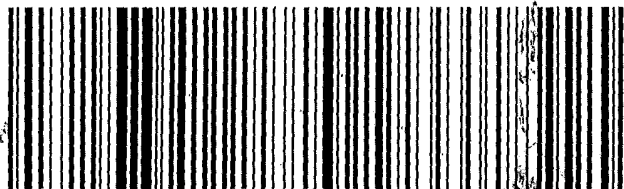
Mstr# 2761 6140 0922

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

Carrier Tracking No(s):

State of Origin:
Illinois

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#

COC No
500-189589.1

Page
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, AsAb)

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

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

Other:

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification

Unconfirmed

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

Primary Deliverable Rank: 2

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

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Relinquished by

Relinquished by

Relinquished by

Custody Seals Intact:
Δ Yes Δ No

Date:

6/17/24

6/17/24

6/17/24

Custody Seal No.:

Method of Shipment:

Received by
Sena Worthington

Received by

Received by

Cooler Temperature(s) °C and Other Remarks:

Company

Company

Company

Company

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-1

Login Number: 252291

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.	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

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

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

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-252291-2

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

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Case Narrative

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

Job ID: 500-252291-2

Job ID: 500-252291-2

Eurofins Chicago

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.

Eurofins Chicago

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	LCS 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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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)		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			
MW-18		6/17/24		1539				Water			
MW-19		6/17/24		1620				Water			
MW-20		6/17/24		1337				Water			
MW-21		6/17/24		1136				Water			
MW-21D		6/17/24		1242				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>6/17/24/1730</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/17/24/1730</u>	
Relinquished by:				Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/18/24 0945</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>5.0-4.6, 6/17/24</u>					

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Ver: 06/08/2021 7/22/2024

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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>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>								

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2417 Bond Street

University Park, IL 60484

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

Chain of Custody Record



Environment Testing

Client Information		Sampler: <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>		Total Number of Containers: <u>7</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 MS/MSD (Yes or No)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_E - Sulfate	Special Instructions/Note:
<u>MW-01</u>					Water							
<u>MW-02</u>					Water							
<u>MW-03</u>					Water							
<u>MW-04</u>					Water							
<u>21 MW-05 Duplicate 3</u>		<u>6/20/24</u>	<u>-</u>	<u>G</u>	Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>22 MW-06 MW-22</u>		<u>6/20/24</u>	<u>1233</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>23 MW-07 MW-23</u>		<u>6/20/24</u>	<u>1147</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>24 MW-08</u>		<u>6/20/24</u>	<u>0829</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>25 MW-09</u>		<u>6/20/24</u>	<u>1034</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>26 MW-10 MW-12R</u>		<u>6/20/24</u>	<u>1316</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>27 MW-11</u>		<u>6/20/24</u>	<u>0925</u>		Water	<u>N</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
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 Hemminger</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



1242024032601

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
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414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

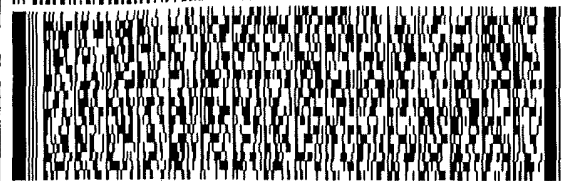
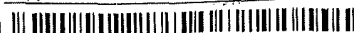
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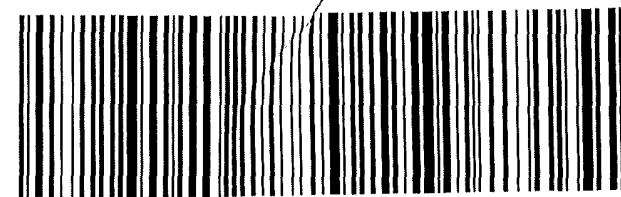


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1 of 2
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0201
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XP JOTA

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
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ORIGIN ID:PIAA (262) 278-1621

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18JUN24
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2417 BOND ST.

UNIVERSITY PARK IL 60484

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INVT:
PO:

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DEPT:

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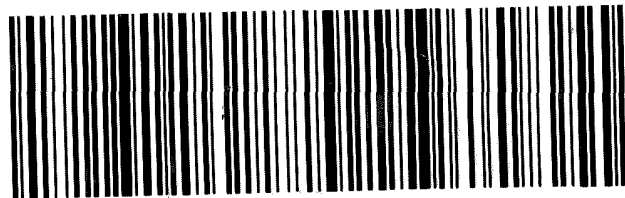
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MASTER

XP JOTA

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

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2417 BOND ST.

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REF:

DEPT:



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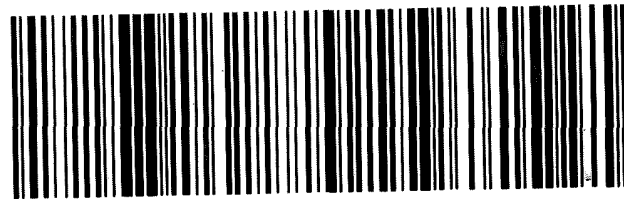
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IL-US ORD

2 of 4
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Part # 1562974065 4480W12EXP 01/25

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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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UNIVERSITY PARK IL 60484

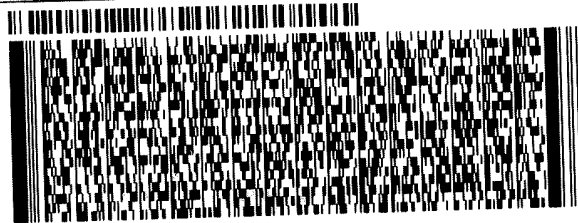
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(555) 555-5555

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PO:

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5 of 5

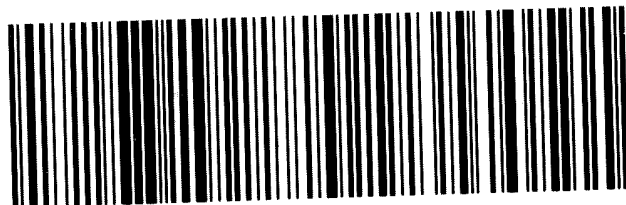
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Mstr# 2761 2064 9583

0201

XP JOTA

60484
IL-US ORD



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06.20

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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

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TO EUROFINS

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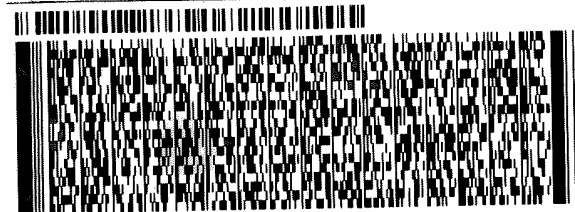
UNIVERSITY PARK IL 60484

(555) 555-5555

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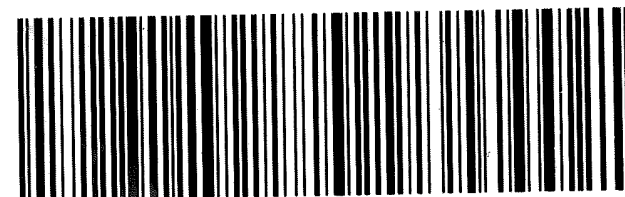
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60484
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4895

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

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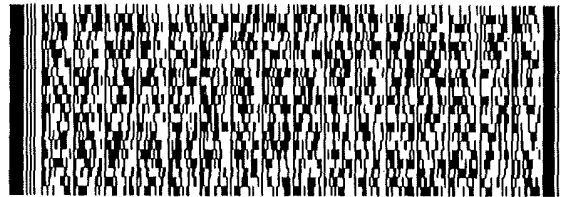
TO SAMPLE RECL
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO:

REF:

DEPT:



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AL1032602024267

4 of 5

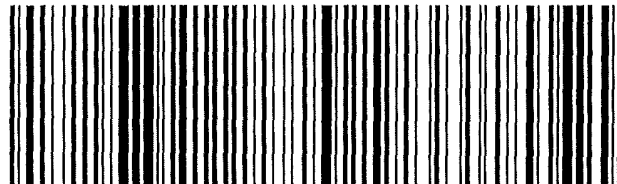
MPS# 2761 6140 0955
0263

Mstr# 2761 6140 0922

0201

XP JOTA

60484
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

SH
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CAO
DIMS

BILL T. PARTY

RT 519

5 10:30 A

ST 25

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO:

REF:

DEPT:



FedEx
Express



AL1032602024267

2 of 5

MPS# 2761 6140 0933
0263

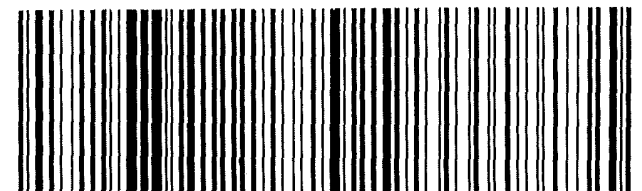
Mstr# 2761 6140 0922

0201

XP JOTA

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



Do not include

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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

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06

Art # 156297-435 PRDWD2 EXP 01/25

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

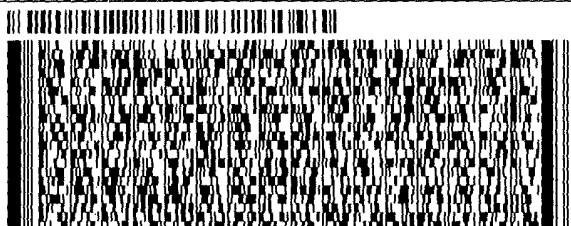
UNIVERSITY PARK IL 60484

(000) 000-0000
INV:
PO1

REF:

DEPT:

5-14.7



FedEx
Express



AL109263042020242

3 of 5
MPS# 2761 6140 0944
0263

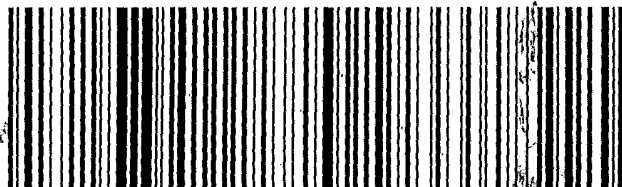
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0201

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD

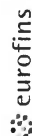


2417 Bond Street

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: _____ Time: _____ Method of Shipment: _____ Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Company: _____																					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Archive For _____ Months Special Instructions/QC Requirements: _____																					
Custody Seals Intact Δ Yes Δ No				Custody Seal No.: _____				Cooler Temperature(s) °C and Other Remarks: _____				Date: JUN 21 2024 00:00									



Chain of Custody Record

Client Information (Sub Contract Lab)			Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-189784, 1	
Shipping/Receiving			E-Mail: Diana.Mockler@et.eurofins.com		Page Page 1 of 1	
Company TestAmerica Laboratories, Inc.			Phone: Diana Mockler@et.eurofins.com		Job # 500-252291-2	
Address 13715 Rider Trail North, Earth City State, Zip MO, 63045 Phone 314-298-8566(Tel) 314-298-8757(Fax) Email			Accreditations Required (See note) NELAP - Illinois		Preservation Codes: 500-252291-2	
Due Date Requested: 7/10/2024 TAT Requested (days):			Analysis Requested		Special Instructions/Note:	
PO # WO # Project # 50011612 SSOW#			Perform MS/MSD (Yes or No)		Total Number of containers	
Sample Date			Field Filtered Sample (Yes or No)		Other:	
Sample Time			Preservation Code:		Special Instructions/Note:	
Sample Type (C=comp, G=grab)			Matrix (W=water, S=solid, O=water/soil, BT=tissue, AA=air)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Sample Identification - Client ID (Lab ID)			Water		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Duplicate 3 (500-252291-21)			Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-22 (500-252291-22)			12:33 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-23 (500-252291-23)			11:47 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-08 (500-252291-24)			08:29 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-09 (500-252291-25)			10:34 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-12R (500-252291-26)			13:16 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-11 (500-252291-27)			09:25 Central		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		Special Instructions/QC Requirements:	
Empty Kit Relinquished by			Date:		Time:	
Relinquished by			Date/Time		Date/Time	
Relinquished by			Date/Time		Date/Time	
Relinquished by			Date/Time		Date/Time	
Custody Seals Intact: ☐ Yes ☐ No			Custody Seal No.:		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

Lab Sample ID: 500-252291-21

Date Collected: 06/20/24 00:00

Matrix: Water

Date Received: 06/21/24 10:00

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

Lab Sample ID: 500-252291-22

Date Collected: 06/20/24 12:33

Matrix: Water

Date Received: 06/21/24 10:00

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

Lab Sample ID: 500-252291-23

Date Collected: 06/20/24 11:47

Matrix: Water

Date Received: 06/21/24 10:00

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

Lab Sample ID: 500-252291-24

Date Collected: 06/20/24 08:29

Matrix: Water

Date Received: 06/21/24 10:00

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

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Case Narrative

Client: KPRG and Associates, Inc.
Project: 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	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	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	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	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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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													
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)		Special Instructions/Note:	
MW-12								Water							
MW-13		9/9/24		1413		G		Water		N		N		7	
MW-14		9/9/24		1205		G		Water		N		N		4	
MW-15		9/9/24		1309		G		Water		N		N		7	
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@eurofins.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					
5 MW-03		9/10/24		1437		G		Water		N		N		X		X		X					
6 MW-04		9/10/24		1544		G		Water		N		N		X		X		X					
7 MW-05		9/10/24		1548		G		Water		N		N		X		X		X					
8 MW-06		9/10/24		1108		G		Water		N		N		X		X		X					
9 MW-07		9/10/24		1013		G		Water		N		N		X		X		X					
10 ~~MW-08~~ MW-21D		9/10/24		0902		G		Water		N		N		X		X		X					
11 ~~MW-09~~ Duplicate 1		9/10/24		-		G		Water		N		N		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: ☐ Yes ☐ No				Custody Seal No				Cooler Temperature(s) °C and Other Remarks: <u>1.3+1.2, 2.4+2.3</u>															

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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>262-622-1143</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								500-256375 COC					
Phone 262-781-0475(Tel)		PO # 4502160845								Other					
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					
MW-13 MW-10		9/11/24		1358		G		Water		N N X X X X					
MW-14 MW-02		9/11/24		1229		G		Water		N N X X X X					
MW-15 MW-09		9/11/24		0838		G		Water		N N X X X X					
MW-16		9/11/24		1000		G		Water		N N X X X X					
MW-17 MW-08		9/11/24		1121		G		Water		N N X X X X					
MW-18 Duplicate 2		9/11/24		-		G		Water		N N X X X X					
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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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, ST=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

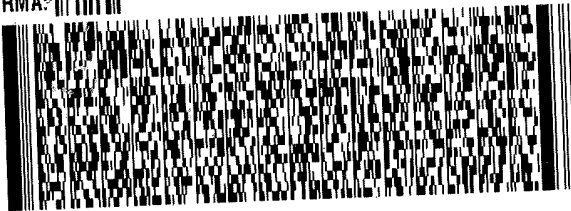
UNIVERSITY PARK IL 60484

(708) 684-6200
INU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



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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.

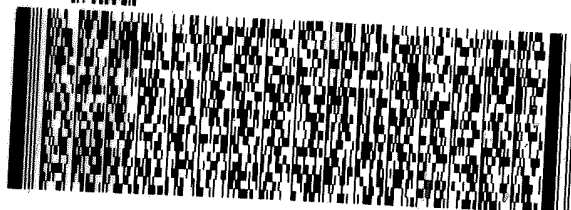
UNIVERSITY PARK IL 60484

(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.

UNIVERSITY PARK IL 60484

(708) 534-5200

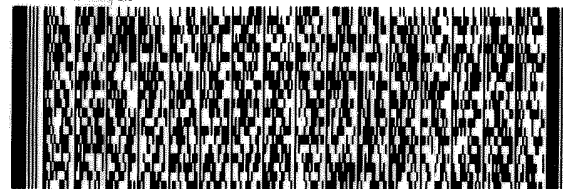
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INU:

PO:

RMA: ||| |||



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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



A
0373
09.11



500-256375 Waybi

1371.2

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

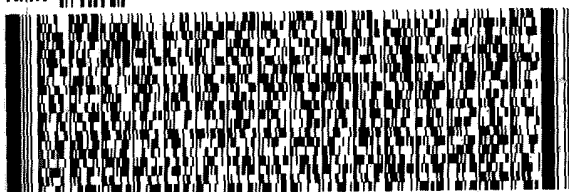
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INU:

PO:

DEPT:

RMA: 11111111



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Express



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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

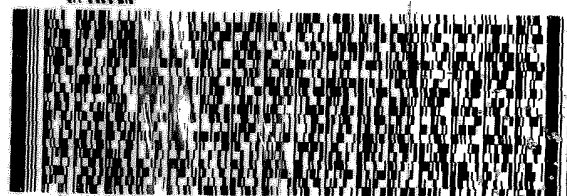
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INU:

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

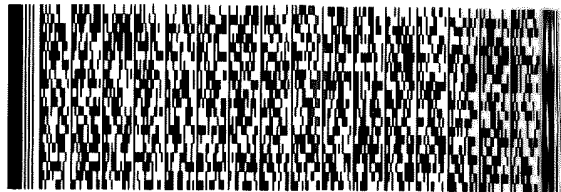
(708) 534-5200

REF:

INU:

DEPT:

RMA: 



FedEx
Express



J241023112201UY

TRK# 4051 7063 0465

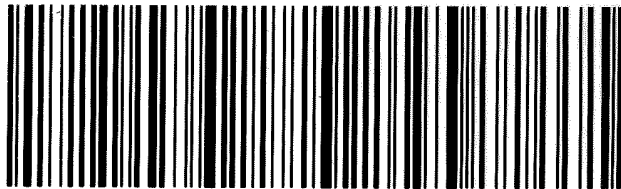
FedEx

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

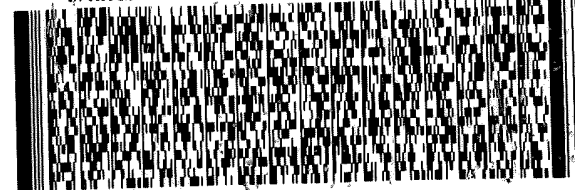
(708) 534-5200

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



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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/CCG4

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

UNIVERSITY PARK IL 60484

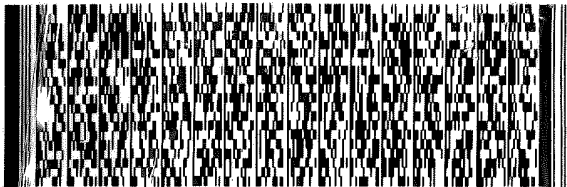
(708) 534-5200

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 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

Eurofins Chicago

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



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Case Narrative

Client: KPRG and Associates, Inc.
Project: 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							
Ba Carrier	107		30 - 110							
								Prepared	Analyzed	Dil Fac
								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							
Ba Carrier	93.1		30 - 110							
Y Carrier	87.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								09/12/24 08:31	10/04/24 12:20	1
								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
DU DU										
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
MB MB										
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
LCS LCS									
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
MB MB										
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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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)		Special Instructions/Note:	
MW-12								Water							
MW-13		9/9/24		1413		G		Water		N		N		7	
MW-14		9/9/24		1205		G		Water		N		N		4	
MW-15		9/9/24		1309		G		Water		N		N		7	
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>		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) <table border="1"><tr><td>903.0, 904.0</td><td>6020A, 7470A</td><td>2540C, 4500_F_C, SM4500_Ci_E</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><tr><td></td><td></td><td></td><td></td></tr></table>						903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_Ci_E	SM4500_SO4_E - Sulfate																	Preservation Codes D HNO3 N None	
903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_Ci_E	SM4500_SO4_E - Sulfate																												
City Brookfield		TAT Requested (days) <i>standard</i>		Total Number of containers						 500-256375 COC 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		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/oli, BT=Tissue, A=Air)		Preservation Code:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested		Total Number of containers		Special Instructions/Note:											
12 MW-12R		9/11/24		1514		G		Water				N		N		X		X		X											
13 MW-13 MW-10		9/11/24		1358		G		Water				N		N		X		X		X											
14 MW-14 MW-01		9/11/24		1229		G		Water				N		N		X		X		X											
15 MW-15 MW-09		9/11/24		0838		G		Water				N		N		X		X		X											
16 MW-16		9/11/24		1000		G		Water				N		N		X		X		X											
17 MW-17 MW-08		9/11/24		1121		G		Water				N		N		X		X		X											
18 MW-18 Duplicate 2		9/11/24		-		G		Water				N		N		X		X		X											
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 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 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, ST=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	MW-22	mw-19
29	MW-23	mw-18A
30	Duplicate-1	mw-18A

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

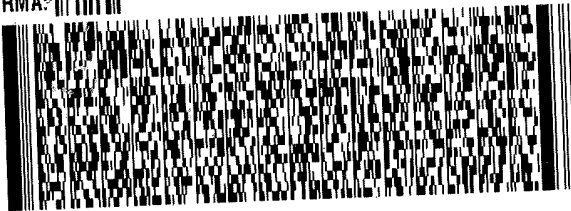
UNIVERSITY PARK IL 60484

(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.

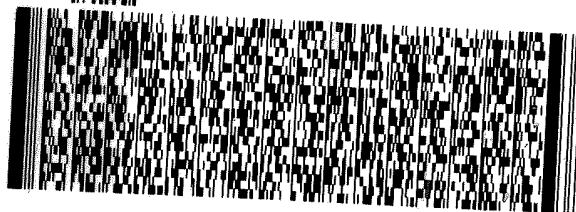
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA: ||| |||



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

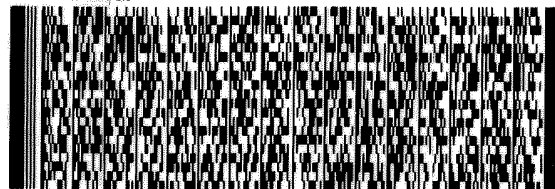
REF:

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



A
0373
09.11



500-256375 Waybi

1371.2



500-256375 Waybi

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
585627/455

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

UNIVERSITY PARK IL 60484

(708) 534-5200

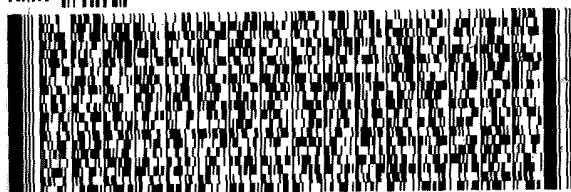
REF:

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



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
585627/455

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

UNIVERSITY PARK IL 60484

(708) 534-5200

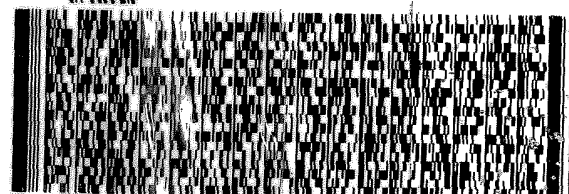
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INU:

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



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

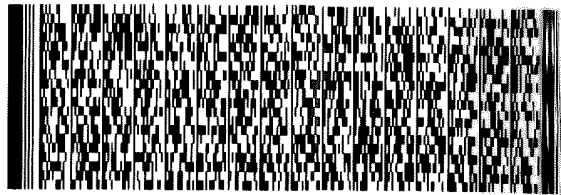
(708) 534-5200

REF:

INU:

DEPT:

RMA: 



FedEx
Express



TRK# 4051 7063 0465

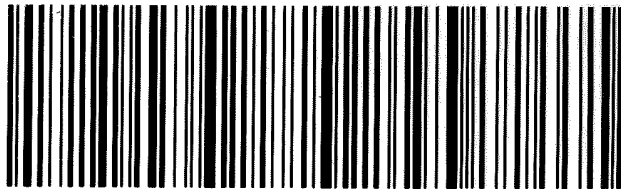
FedEx

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

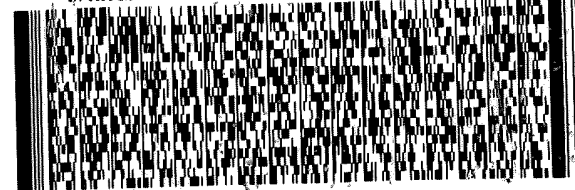
(708) 534-5200

REF:

INU:

DEPT:

RMA: 



FedEx
Express



TRK# 4051 7963 0454
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

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

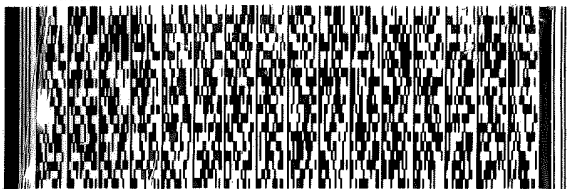
(708) 534-5200

REF:

INVT:
PO:

DEPT:

RMA: ||| ||| |||



FedEx
Express



J241023112201uy

FedEx

TRK#
0221 4051 7963 0432

FRI - 13 SEP 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD

EXP 10/25



583J2/4EF9/9AE3

[illegible]



2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Client Information (Sub Contract Lab)			Sampler:	Lab PM:	Carrier Tracking No(s)	COC No							
Client Contact			Phone	Mockler, Diana J		500-192547.1							
Shipping/Receiving				E-Mail:	State of Origin	Page							
Company				Diana Mockler@et.eurofinsus.com	Illinois	Page 1 of 1							
Test/America Laboratories, Inc.				Accreditations Required (See note):		Job #							
Address:				NELAP - Illinois		500-256375-2							
City				Analysis Requested		Preservation Codes:							
13715 Rider Trail North,													
Earth City													
State, Zip													
MO, 63045													
Phone:													
314-298-8566(Tel) 314-298-8757(Fax)													
Email:													
Project Name													
Powerton CCR													
Site:													
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep. 21 Standard Target List	904.0/PreSep. 0 Standard Target List	Ra26Ra28_GFPc	Total Number of Containers	Special Instructions/Note:
MW-12R (500-256375-12)	9/11/24	15:14	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-10 (500-256375-13)	9/11/24	13:58	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-01 (500-256375-14)	9/11/24	12:29	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-09 (500-256375-15)	9/11/24	08:38	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-16 (500-256375-16)	9/11/24	10:00	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-08 (500-256375-17)	9/11/24	11:21	Central	G	Water				X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
Duplicate (500-256375-18)	9/11/24	Central		G	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													
Date:													
Empty Kit Relinquished by:													
Relinquished by: [Signature]													
Relinquished by: [Signature]													
Relinquished by: [Signature]													
Custody Seal No.:													

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

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Case Narrative

Client: KPRG and Associates, Inc.
Project: 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

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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: 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

Eurofins Chicago

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	

Eurofins Chicago

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

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 (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

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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

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

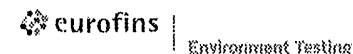
MKE 232



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						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:	
~~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



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2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

MKE 232

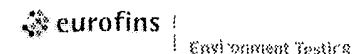
eurofins | Environment Testing

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_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-11~~ MW-09		11/20/24		1134				Water		N N			
15 ~~MW-11~~ 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									

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534 5211

Chain of Custody Record

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	
Deliverable Requested I, II, III, IV, Other (specify)		Empty Kit Relinquished by		Date		Time		Method of Shipment	
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

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EUROFINS CHICAGO
2417 BOND ST.

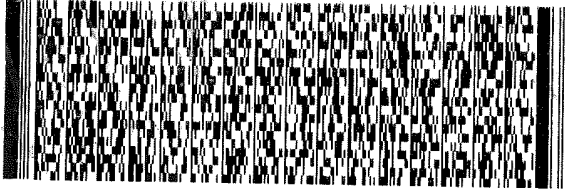
UNIVERSITY PARK IL 60484

(708) 534-5200
INV:
PO:

REF:

DEPT:

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PORT 116287-435 RPOB2 EXP 07/25

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14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

CAD: 0780307/CAFE3855

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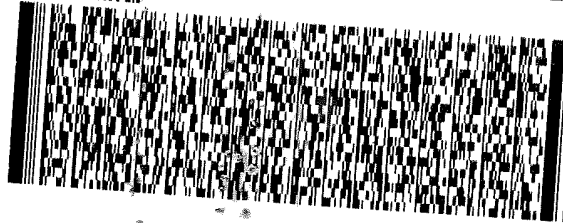
UNIVERSITY PARK IL 60484

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500-260461 Waybi

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35 LISBON ROAD
TEA
WILKFIELD, WI 53005
THE STATES US

0780307/CAFE3855

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UROFINS CHICAGO
417 BOND ST.

6.1 - 55

IVERSITY PARK IL 60484

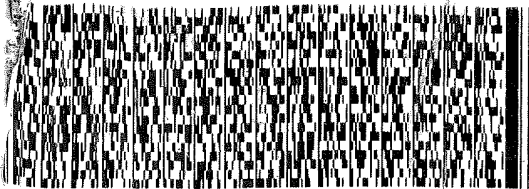
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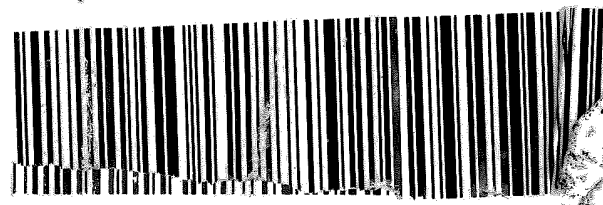
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WORK# 4221 9521 6025

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14665 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

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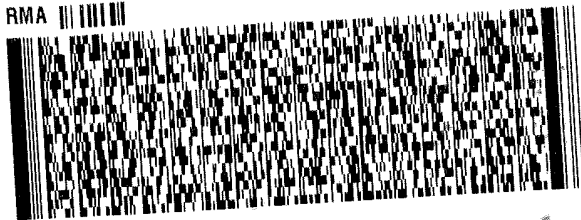
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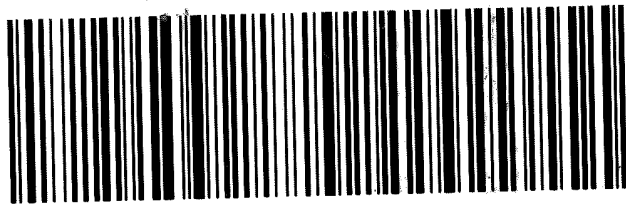
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EXP 11/20/20 4:30 PM EST EXP 07/25

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
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UNIVERSITY PARK IL 60484

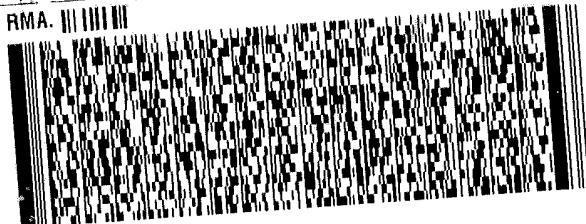
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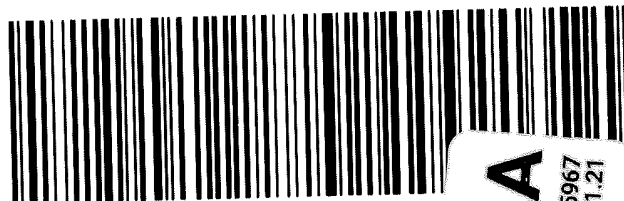
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14685 W. LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

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Page # 139469-434 MTW EXP 02/25

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2417 BOND ST.

UNIVERSITY PARK IL 60484

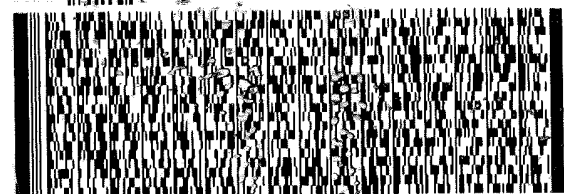
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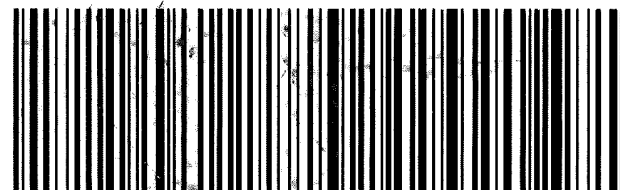
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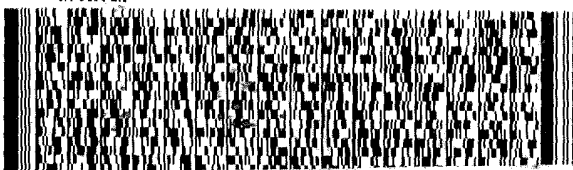
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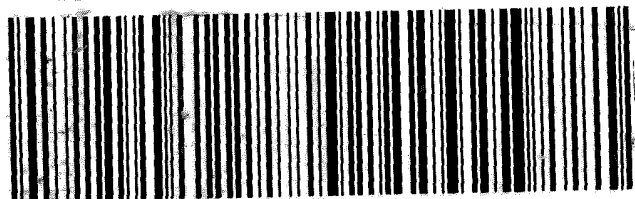
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Pat # 159469-434 MTW EXP 02/25

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
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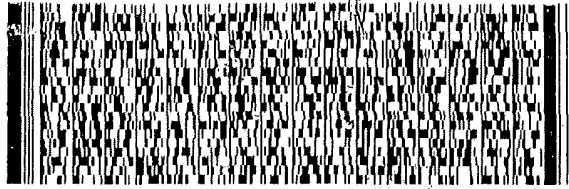
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(708) 634 5200

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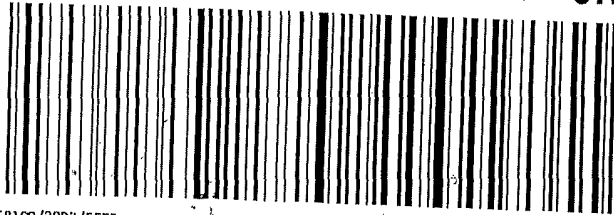
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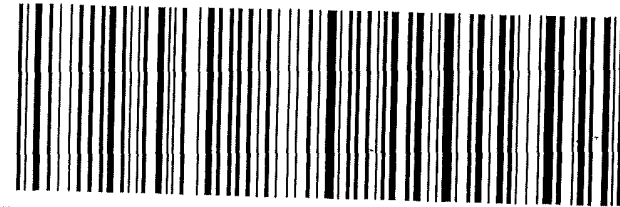
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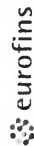
4275846 21Nov2024 P1AA 581G8/39D3/5FE5

Place Label Here



Client Information (Sub Contract Lab)				Lab PM	Carrier Tracking No(s)	IOC No											
Client Contact				Mockler, Diana J	N/A	500-195492.1											
Shipping/Receiving				E-Mail	State of Origin	Page											
Company				Diana Mockler@et.eurofins.com	Illinois	Page 1 of 1											
Address:				Accreditations Required (See note)													
13715 Rider Trail North,				NELAP - Illinois													
City				Preservation Codes:													
Earth City				500-260461-1													
State, Zip																	
MO, 63045																	
Phone																	
314-298-8586(Tel) 314-298-8757(Fax)																	
Email																	
N/A																	
Project Name																	
Powerton CCR																	
Site																	
N/A																	
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Other Soil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Total Number of Containers					Special Instructions/Note:
MW-12R (500-260461-12)	11/20/24	12:51 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-07 (500-260461-13)	11/20/24	09:08 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-09 (500-260461-14)	11/20/24	11:34 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-11 (500-260461-15)	11/20/24	14:07 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-16 (500-260461-16)	11/20/24	10:14 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-22 (500-260461-17)	11/20/24	15:28 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-19 (500-260461-18)	11/20/24	16:18 Central	G	Water						X	X				3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Duplicate 2 (500-260461-19)	11/20/24	Central	G	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/tests/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: <i>[Signature]</i>																	
Relinquished by:																	
Relinquished by:																	
Custody Seals Intact: ☐ Yes ☐ No																	
Custody Seal No.:																	
Cooler Temperature(s) °C and Other Remarks:																	

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Mockler, Diana J		Carrier Tracking No(s): N/A		COC No: 500-195398.1	
Client Contact: N/A		Phone: N/A		E-Mail: Diana.Mockler@eurofins.com		State of Origin: Illinois		Page: Page 1 of 2	
Shipping/Receiving		N/A		N/A		N/A		Job #: 500-260461-2	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, City: Earth City, State: MO, Zip: 63045		Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Email: N/A		Preservation Codes:	
Project Name: Powerton CCR		Project #: 50011612		SSOW#: N/A		Due Date Requested: 12/30/2024		Analysis Requested:	
Site: N/A		TAT Requested (days): N/A		PO #: N/A		WO #: N/A		Total Number of Containers	
Matrix (Water, Solid, Organic, Inorganic)		Sample Type (C=Comp, G=Grab)		Sample Time		Sample Date		Field Filtered Sample (Yes or No)	
Preservation Code:		G		13:45 Central		11/18/24		903.0/PreSep, 21 Standard Target List	
MW-14 (500-260461-1)		G		15:28 Central		11/18/24		904.0/PreSep, 0 Standard Target List	
MW-15 (500-260461-2)		G		12:35 Central		11/18/24		Raz26Ra228.GFPC	
MW-21D (500-260461-3)		G		11:02 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Duplicate (500-260461-4)		G		11:02 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-02 (500-260461-5)		G		12:06 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-03 (500-260461-6)		G		13:55 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-04 (500-260461-7)		G		15:02 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-05 (500-260461-8)		G		16:09 Central		11/19/24		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-06 (500-260461-9)		G		Central		11/19/24		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.								Special Instructions/Note:	
Possible Hazard Identification								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Unconfirmed								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2						Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Relinquished by:		Date/Time: 11/20/24 16:00		Company: Cheyenne Forrest		Received by: Cheyenne Forrest		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Relinquished by:		Date/Time:		Company:		Received by:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Relinquished by:		Date/Time:		Company:		Received by:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Custody Seal No.:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:				Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
Δ Yes Δ No								Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	

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

Eurofins Chicago

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
- 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 1/2/2025 8:59:56 AM

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-260461-2

Eurofins Chicago

Job Notes

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

Authorization



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



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Case Narrative

Client: KPRG and Associates, Inc.
Project: 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.

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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

Date Collected: 11/18/24 13:45

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-1

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	0.0938	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

Date Collected: 11/19/24 15:02

Date Received: 11/20/24 10:00

Lab Sample ID: 500-260461-8

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	0.0838	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

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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 160-691394/2-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

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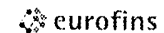
2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax. 708-534 5211

Chain of Custody Record

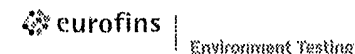
MKE 232



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:	
~~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 ☒ 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>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						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	
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			

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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_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											

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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 <i>Kaelyn Sperle</i>		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-129749 49657 3					
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 <i>2 of 1</i>					
Company KPRG and Associates Inc.		PWSID		estimated		Job # <i>500-260461</i>		Preservation Codes D HNO3 N None					
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											
Site		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	6020A, 7470A	2540C, 4500_F_C, SM4500_CLE	SM4500_S04_E - Sulfate	Total Number of Containers	Special Instructions/Note:
				Preservation Code:									
20	~~MW-12~~ MW-13	11/21/24	0927	G	Water	N	N	X	X	X	X	7	
21	~~MW-10A~~ MW-17	11/21/24	1042		Water	N	N						
22	~~Duplicate 1~~ MW-08	11/21/24	1209		Water	N	N						
23	~~Duplicate 2~~ MW-01	11/21/24	1330		Water	N	N						
24	MW-10	11/21/24	1514		Water	N	N						
25	Duplicate 3	11/21/24	-			N	N						
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: <i>Kaelyn Sperle</i>		Date/Time 11/21/24/1645		Company KPRG		Received by: FedEx		Date/Time 11/21/24/1645		Company FedEx			
Relinquished by:		Date/Time		Company		Received by: <i>Stephanie Hernandez</i>		Date/Time 11/21/24 0935		Company <i>EEH</i>			
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company			
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No				Cooler Temperature(s) °C and Other Remarks <i>-1.5 + -1.8, 2.8 + 2.7</i>							

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

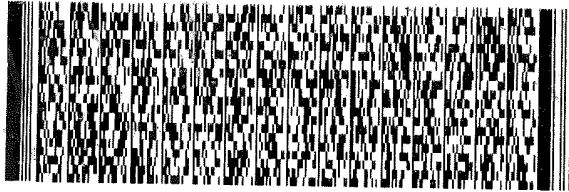
UNIVERSITY PARK IL 60484

(708) 534-5200
INV:
PO:

REF:

DEPT:

RMA



FedEx
Express



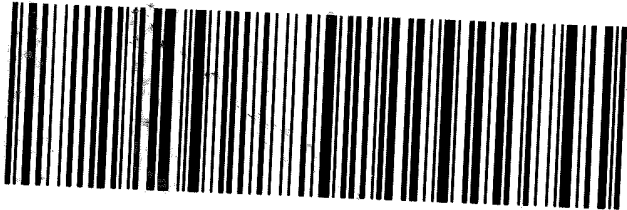
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FedEx
TRK#
0221 **4221 9521 5810**

WED - 20 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



EXP 07/25

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

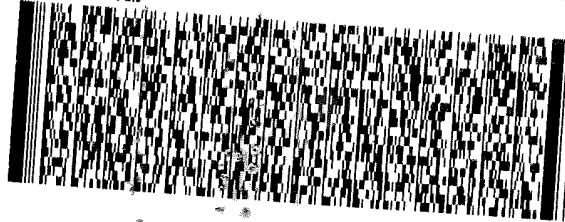
UNIVERSITY PARK IL 60484

(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



EXP 07/25



500-260461 Waybi

ALL ASSOCIATES, INC
30 LISBON ROAD
TEA
WILKFIELD, WI 53005
THE STATES US

PC/MS: 25 00 00 00
CAD: 0780307/CAFE3855

SAMPLE RECEIPT
UROFINS CHICAGO
417 BOND ST.

6.1 → 55

UNIVERSITY PARK IL 60484

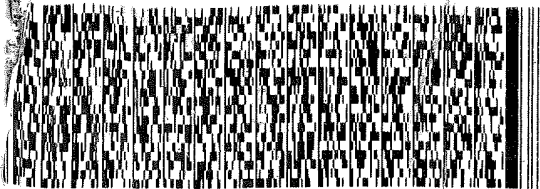
334-5200

REF:

DEPT

48QT

1 # 139489-434 NTW EXP 0.125
55RCA/70F/FFC



J-4 J024070401 UV

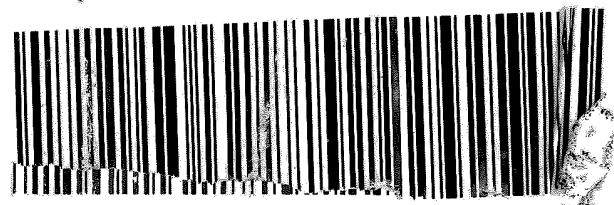
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WORK# 4221 9521 6025

TUE - 19 NOV 10:30A
PRIORITY OVERNIGHT

KP JOTA

6/484
IL-US ORD

EXP 168897-435 RPOB2 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

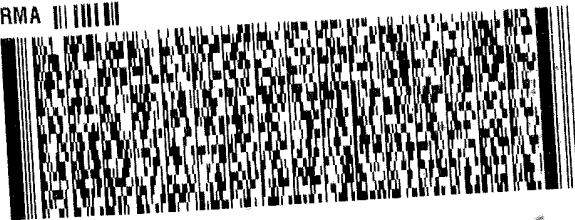
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DEPT:

INU

PG

RMA



FedEx
Express



J243024D70401W

FedEx

TRK# **4221 9521 5820**

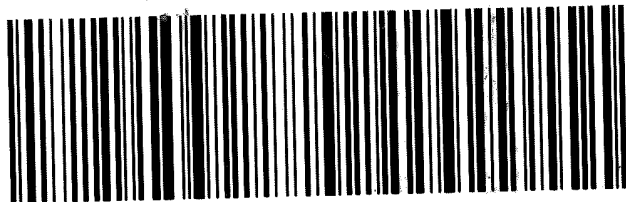
0221

WED - 20 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US **ORD**



EXP 11/20/2011 10:30 AM
EXP 07/25

DELIVER TO
KPRG AND ASSOCIATES, INC
14665 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

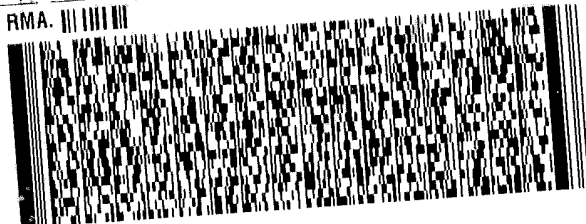
(708) 634-6200

REF

DEPT

THU:
PO:

RMA. 11111111



FedEx
Express



J24302407040101

FedEx

TRK#
0221

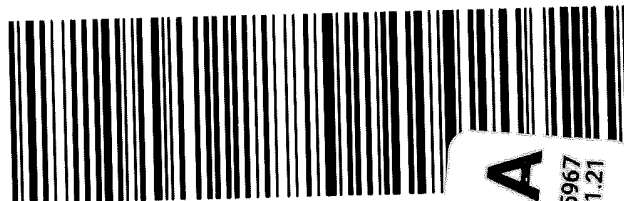
4221 9521 5967

THU - 21 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD



A
5967
11.21

DELIVER TO
KPRG AND ASSOCIATES, INC
14665 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

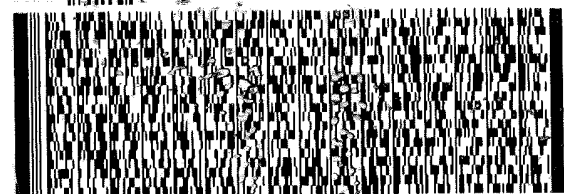
(708) 634-6200

REF

DEPT

THU:
PO:

RMA. 11111111



FedEx
Express



J24302407040101

FedEx

TRK#
0221

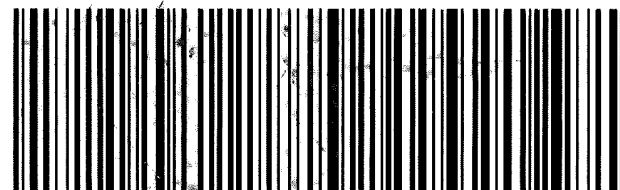
4221 9521 5989

THU - 21 NOV 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484

IL-US ORD



KPRG AND ASSOCIATES, INC
14665 W. LISAON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

CAD: 0780307/CAFE3855

TO **SAMPLE RECEIPT**
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2417 BOND ST.

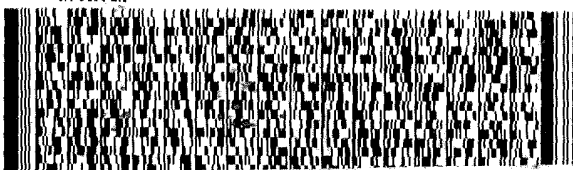
UNIVERSITY PARK IL 60484

(708) 534-5200

REF:

DEPT:

RMA. 11111111



FedEx
Express



FedEx

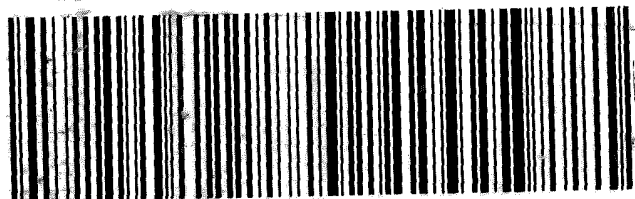
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0221

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

KELLY ASSOCIATES, INC
KPRG AND ASSOCIATES, INC
14665 W LISBON ROAD
SUITE 1A
BROOKFIELD, WI 53005
UNITED STATES US

DETROIT, MI 48201
CAD: 0780307/CAFE3855

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

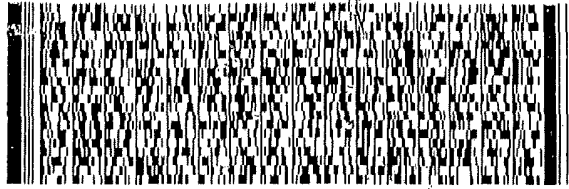
UNIVERSITY PARK IL 60484

(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

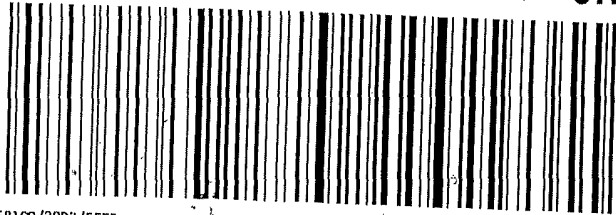
XP JOTA

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

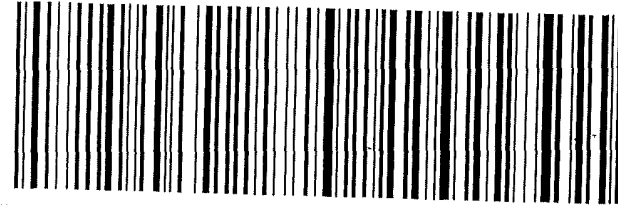
500-260461 Waybi

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 Filtered Sample (Yes or No)		903.0/PrecSep_21 Standard Target List		904.0/PrecSep_0 Standard Target List	
Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, 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=soil, 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_0 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: 08/10 11/22/24	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seal Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Method of Shipment:		Ver: 10/10/2024	

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
3
4
5
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9
10
11
12
13
14

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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/15/2025 11:38:33 AM

JOB DESCRIPTION

Powerton CCR Resamples

JOB NUMBER

500-262507-1

Eurofins Chicago

Job Notes

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Authorization



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

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Case Narrative

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

Job ID: 500-262507-1

Job ID: 500-262507-1

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Job Narrative 500-262507-1

Receipt

The samples were received on 1/9/2025 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Metals

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 Resamples

Job ID: 500-262507-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-262507-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-262507-1	MW-15	Water	01/07/25 13:35	01/09/25 13:25
500-262507-2	MW-18A	Water	01/07/25 14:24	01/09/25 13:25
500-262507-3	MW-19	Water	01/07/25 12:56	01/09/25 13:25

Client Sample Results

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

Job ID: 500-262507-1

Client Sample ID: MW-15
Date Collected: 01/07/25 13:35
Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.12		0.0050		mg/L		01/10/25 08:47	01/14/25 15:05	1

- 1
- 2
- 3
- 4
- 5
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- 8
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- 10
- 11
- 12
- 13

Client Sample Results

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

Job ID: 500-262507-1

Client Sample ID: MW-18A
Date Collected: 01/07/25 14:24
Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0072		0.0010		mg/L		01/10/25 08:47	01/14/25 15:12	1

- 1
- 2
- 3
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Client Sample Results

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

Job ID: 500-262507-1

Client Sample ID: MW-19
Date Collected: 01/07/25 12:56
Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-3
Matrix: Water

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		01/10/25 08:47	01/14/25 15:15	1

- 1
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Definitions/Glossary

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

Job ID: 500-262507-1

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 Resamples

Job ID: 500-262507-1

Metals

Prep Batch: 802400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262507-1	MW-15	Total Recoverable	Water	3005A	
500-262507-2	MW-18A	Total Recoverable	Water	3005A	
500-262507-3	MW-19	Total Recoverable	Water	3005A	
MB 500-802400/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-802400/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 802934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-262507-1	MW-15	Total Recoverable	Water	6020B	802400
500-262507-2	MW-18A	Total Recoverable	Water	6020B	802400
500-262507-3	MW-19	Total Recoverable	Water	6020B	802400
MB 500-802400/1-A	Method Blank	Total Recoverable	Water	6020B	802400
LCS 500-802400/2-A	Lab Control Sample	Total Recoverable	Water	6020B	802400

QC Sample Results

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

Job ID: 500-262507-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-802400/1-A

Matrix: Water

Analysis Batch: 802934

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 802400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		01/10/25 08:47	01/14/25 13:57	1
Cobalt	<0.0010		0.0010		mg/L		01/10/25 08:47	01/14/25 13:57	1
Molybdenum	<0.0050		0.0050		mg/L		01/10/25 08:47	01/14/25 13:57	1

Lab Sample ID: LCS 500-802400/2-A

Matrix: Water

Analysis Batch: 802934

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 802400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.505		mg/L		101	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Molybdenum	1.00	0.960		mg/L		96	80 - 120

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-262507-1

Login Number: 262507

List Number: 1

Creator: Scott, Sherri L

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	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-262507-1

Client Sample ID: MW-15

Date Collected: 01/07/25 13:35

Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			802400	BDE	EET CHI	01/10/25 08:47 - 01/10/25 14:47 ¹
Total Recoverable	Analysis	6020B		1	802934	RN	EET CHI	01/14/25 15:05

Client Sample ID: MW-18A

Date Collected: 01/07/25 14:24

Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			802400	BDE	EET CHI	01/10/25 08:47 - 01/10/25 14:47 ¹
Total Recoverable	Analysis	6020B		1	802934	RN	EET CHI	01/14/25 15:12

Client Sample ID: MW-19

Date Collected: 01/07/25 12:56

Date Received: 01/09/25 13:25

Lab Sample ID: 500-262507-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			802400	BDE	EET CHI	01/10/25 08:47 - 01/10/25 14:47 ¹
Total Recoverable	Analysis	6020B		1	802934	RN	EET CHI	01/14/25 15:15

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 Resamples

Job ID: 500-262507-1

Laboratory: Eurofins Chicago

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

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

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