



ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

**FEDERAL CCR COMPLIANCE
ANNUAL GROUNDWATER MONITORING and
CORRECTIVE ACTION REPORT - 2021**

**Midwest Generation, LLC
Will County
259 E. 135th Street
Romeoville, Illinois**

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

January 31, 2022

TABLE OF CONTENTS

OVERVIEW 1

1.0 INTRODUCTION 3

 2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION 4

 2.1 Field Procedures..... 4

 2.2 Groundwater Flow Evaluation 4

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS 6

 3.1 Sampling Summary..... 6

 3.2 Data Summary 6

 3.3 Current Status..... 6

4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS..... 7

5.0 REFERENCES 8

FIGURES

- 1 – CCR Monitoring Wells Site Map
- 2 – CCR Groundwater Contour 05/2021
- 3 – CCR Groundwater Contour 11/2021

TABLES

- 1 – Groundwater Elevations
- 2 – Groundwater Flow Direction and Estimated Seepage Velocity/Flow Rate
- 3 – Groundwater Sampling Summary
- 4 – Detection Monitoring Appendix III Groundwater Analytical Results

APPENDICES

- A – Analytical Data Packages

OVERVIEW

Groundwater monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule dated April 17, 2015 (CCR Rule) and subsequent amendments, have been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Will County Generating Station. The wells sampled were selected to meet the monitoring requirements of the CCR Rule for Ash Ponds 2 South (2S) and 3 South (3S). The CCR monitoring well network around these ponds consists of six monitoring wells (MW-05, MW-06, MW-09, MW-10, MW-11 and MW-12) as shown on Figure 1. Wells MW-05 and MW-06 are upgradient wells.

This overview of the 2021 groundwater monitoring period is provided in accordance with revised requirements under Section 257.90(e)(6). Each required item is discussed separately below.

- Section 257.90(e)(6)(i) – At the start of the current monitoring period, the subject CCR unit was operating under the detection monitoring program outlined in Section 257.94.
- Section 257.90(e)(6)(ii) – At the end of the current monitoring period, the subject CCR unit continues to operate under the detection monitoring program outlined in Section 257.94.
- Section 257.90(e)(6)(iii) – The following potential statistically significant increases (SSIs) above established background for Appendix III detection monitoring constituents were noted during this monitoring period:
 - MW-09 – chloride.
 - MW-10 – total dissolved solids (TDS)
 - MW-11 – fluoride (May only), chloride (November only)
 - MW-12 – chloride, TDS (November only).

These potential constituent SSIs, with the exception of chloride in well MW-11, have been addressed previously under Alternate Source Demonstrations (ASDs) with determination being made that the SSIs are not associated with a release from the regulated units. The chloride detected above its interwell and intrawell prediction limit at monitoring well MW-11 in November 2021 resulted in a resampling of this well in December 2021 which confirmed the chloride detection above the interwell and intrawell prediction limits documenting a potential SSI. An ASD will be conducted in early 2022 in accordance with

40 CFR Section 257.94(e)(2) to further evaluate the potential source of chloride in this well.

- Section 257.90(e)(6)(iv) – The subject units are not under assessment monitoring.
- Section 257.90(e)(6)(v) – The subject units are not under corrective action.
- Section 257.90(e)(6)(vi) – The subject units are not under corrective action.

1.0 INTRODUCTION

The Detection Monitoring requirements in accordance with the Federal Register, Environmental Protection Agency, 40 CFR Parts 257.94, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule dated April 17, 2015 (CCR Rule) have been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Will County Generating Station. The wells sampled were selected to meet the monitoring requirements of the CCR Rule for Ash Ponds 2 South (2S) and 3 South (3S). The CCR monitoring well network around these ponds consists of six monitoring wells (MW-05, MW-06, MW-09, MW-10, MW-11 and MW-12) as shown on Figure 1. Wells MW-05 and MW-06 are upgradient wells.

This annual report covers the work performed relative to CCR groundwater monitoring from for the calendar year 2021. It does not duplicate information or activities previously reported for prior years. 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 and summarizes the analytical data generated.

2.0 FIELD PROCEDURES AND GROUNDWATER FLOW EVALUATION

2.1 Field Procedures

As previously noted, the CCR groundwater monitoring network around the Ash Ponds 2S and 3S at the Will County facility consists of six wells (MW-05, MW-06, MW-09, MW-10, MW-11 and MW-12) 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). Wells MW-05, MW-06, MW-09 were found in good condition with locked protector casings and intact concrete surface seals. Wells MW-10, MW-11 and MW-12 are completed with flush-mounts at ground surface and were also in good condition.

All groundwater samples were collected using the low-flow sampling technique from dedicated pumps. The samples were not filtered prior to analysis to provide for total metals concentrations as opposed to dissolved metals concentrations. One duplicate sample was collected from a randomly selected monitoring well per sampling event for quality assurance purposes. The duplicate samples from the May and November 2021 sampling events were from monitoring wells MW-07 and MW-09, respectively.

2.2 Groundwater Flow Evaluation

Water level data measurements were obtained from each well during each round of groundwater monitoring. A complete round of water levels was collected prior to initiating sampling, and the water level data are summarized in Table 1. The water levels were used to generate a groundwater flow map for each sampling event. These maps are provided as Figures 2 and 3. A review of the maps indicates a consistent westerly groundwater flow direction. 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)

Through 2020, the average hydraulic conductivity of 3.896×10^{-3} ft/sec used in Table 2 was obtained from the Hydrogeologic Assessment Report dated February 2011 and prepared by Patrick Engineering. As part of Illinois EPA State CCR Rule requirements, some groundwater modeling was being completed for Ponds 2S and 3S. The Patrick Engineering slug test data were re-evaluated as part of the modeling exercise and a modified hydraulic geometric mean of 2.3148×10^{-4} ft/sec was estimated and subsequently used in Table 2 for 2021 estimates. The estimated effective porosity of the aquifer materials (0.35) was obtained from literature (Applied Hydrogeology, Fetter, 1980).

3.0 ANALYTICAL DATA AND STATUS OF EVALUATIONS

3.1 Sampling Summary

The groundwater sampling summary from 2021 is provided in Table 3, in accordance with 257.90 (e)(3).

3.2 Data Summary

The analytical data from the detection monitoring groundwater sampling for Appendix III parameters are provided in Table 4 which includes calculated Prediction Limits (PLs) established in the initial CCR Groundwater Monitoring Statistical Evaluation Summary dated January 2018 for data comparison purposes. The downgradient intrawell prediction limits were established for the three parameters which were part of the Alternate Source Demonstration (ASD) as recommended at the end of that evaluation.

Semi-annual groundwater sampling was completed for Appendix III in 2021 in accordance with detection monitoring requirements under Section 257.94. The data tables include the sample dates and whether the specific well is considered upgradient or downgradient relative to groundwater flow and the regulated unit. All duplicate values were within an acceptable range. The analytical data packages from the detection monitoring events are provided in Appendix A.

The potential constituent SSIs, with the exception of chloride in well MW-11, have been addressed previously under ASDs with determination being made that the SSIs are not associated with a release from the regulated units. The chloride detected above its interwell and intrawell prediction limit at monitoring well MW-11 in November 2021 resulted in a resampling of this well in December 2021 which confirmed the chloride detection above the interwell and intrawell prediction limits documenting a potential SSI. An ASD in accordance with 40 CFR Section 257.94(e)(2) will be conducted in early 2022 to further evaluate the potential source of chloride in this well.

3.3 Current Status

Ash Ponds 2S and 3S are, and continue to be, in detection monitoring, and there has been no transition between monitoring programs in 2021. The most recent groundwater analytical results indicate a potential SSI of chloride for MW-11. An ASD in accordance with 40 CFR Section 257.94(e)(2) will be conducted early 2022 to evaluate the chloride source at which point a determination will be made whether to continue with detection monitoring or transition to an assessment monitoring program under Section 257.95.

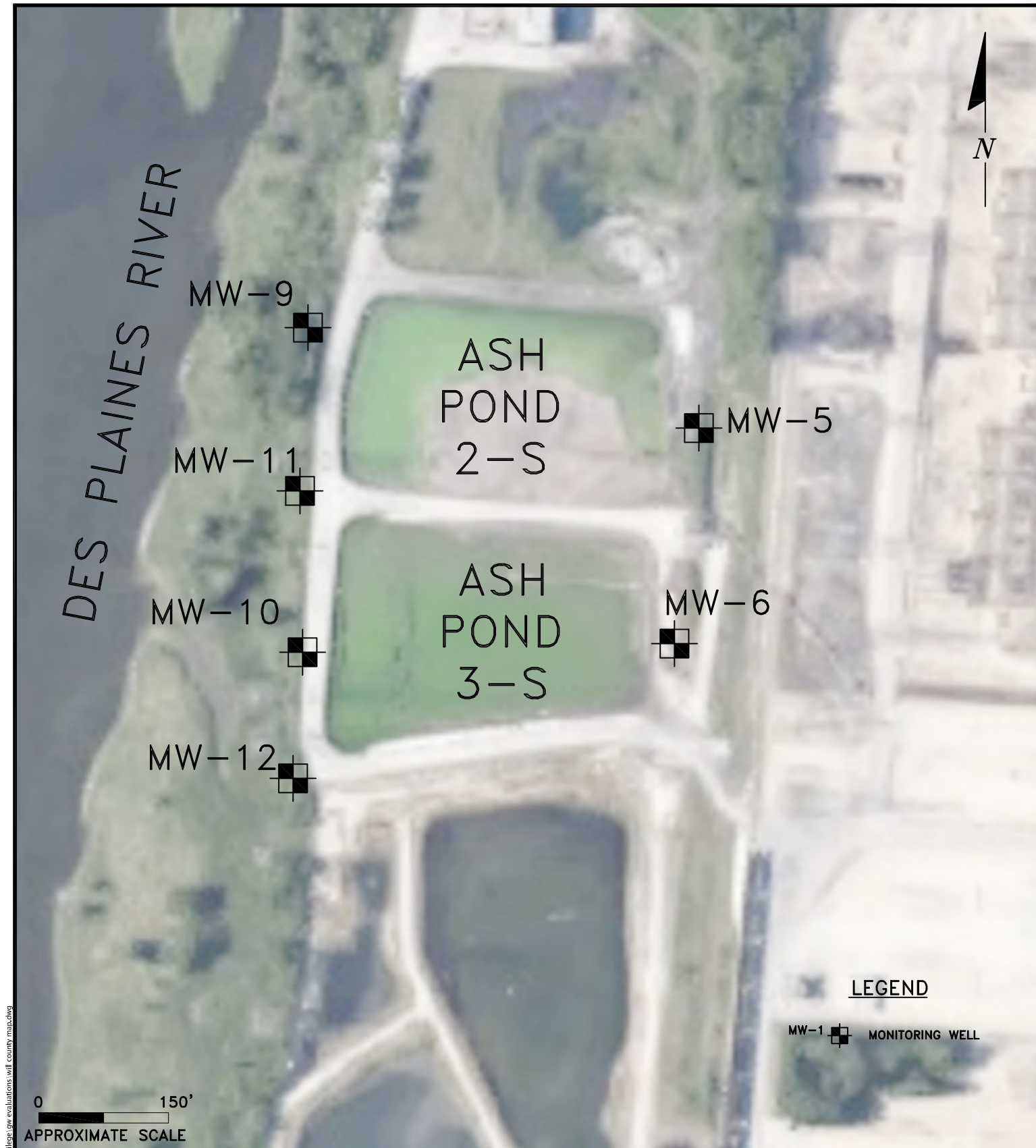
4.0 SUMMARY/CONCLUSIONS AND RECOMMENDATIONS

The detection monitoring requirements in accordance with the CCR Rule have been successfully met. The data are consistent with previous sampling with the exception of a confirmed potential chloride SSI at well location MW-11. An ASD in accordance with 40 CFR Section 257.94(e)(2) is recommended to evaluate this detection. Once the ASD is completed, a determination will be made whether to continue with detection monitoring or transition to an assessment monitoring program under 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 - 2017, Midwest Generation, LLC Will County Generating Station. January 31, 2018.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report - 2018, Midwest Generation, LLC Will County Generating Station. January 31, 2019.
- KPRG and Associates, Inc., CCR Compliance Annual Groundwater Monitoring and Corrective Action Report - 2019, Midwest Generation, LLC Will County Generating Station. January 31, 2020.
- R.A. Freeze and J.A. Cherry, Groundwater. Prentice-Hall, Inc. Publishing Co., 1979.

FIGURES



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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

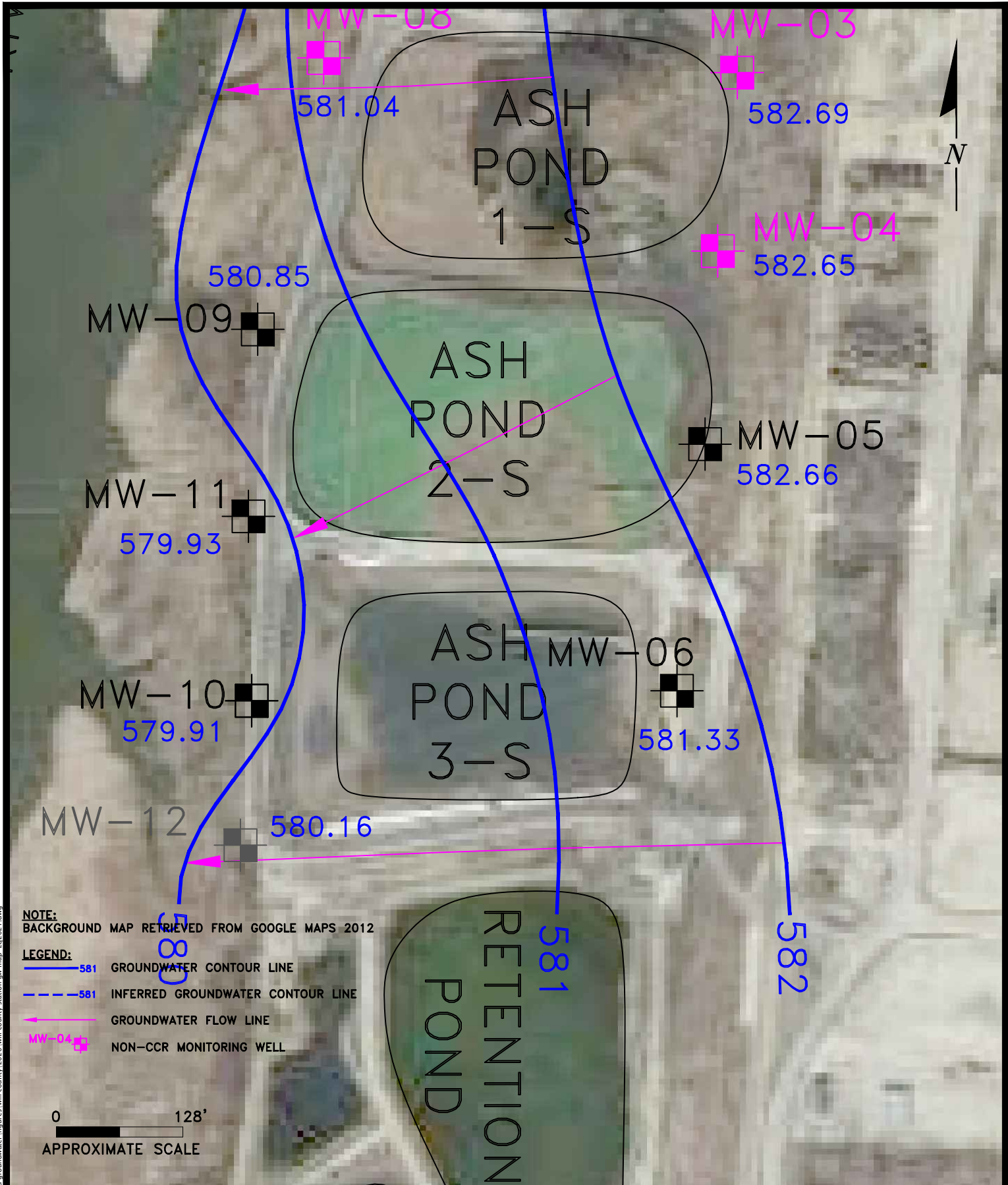
14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

CCR MONITORING WELL SITE MAP

**WILL COUNTY STATION
ROMEOLVILLE, ILLINOIS**

Scale: 1" = 150' Date: December 27, 2017

KPRG Project No. 12313.3 FIGURE 1



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K P R G

KPRG and Associates, inc.

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

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

CCR GROUNDWATER CONTOUR 5/2021

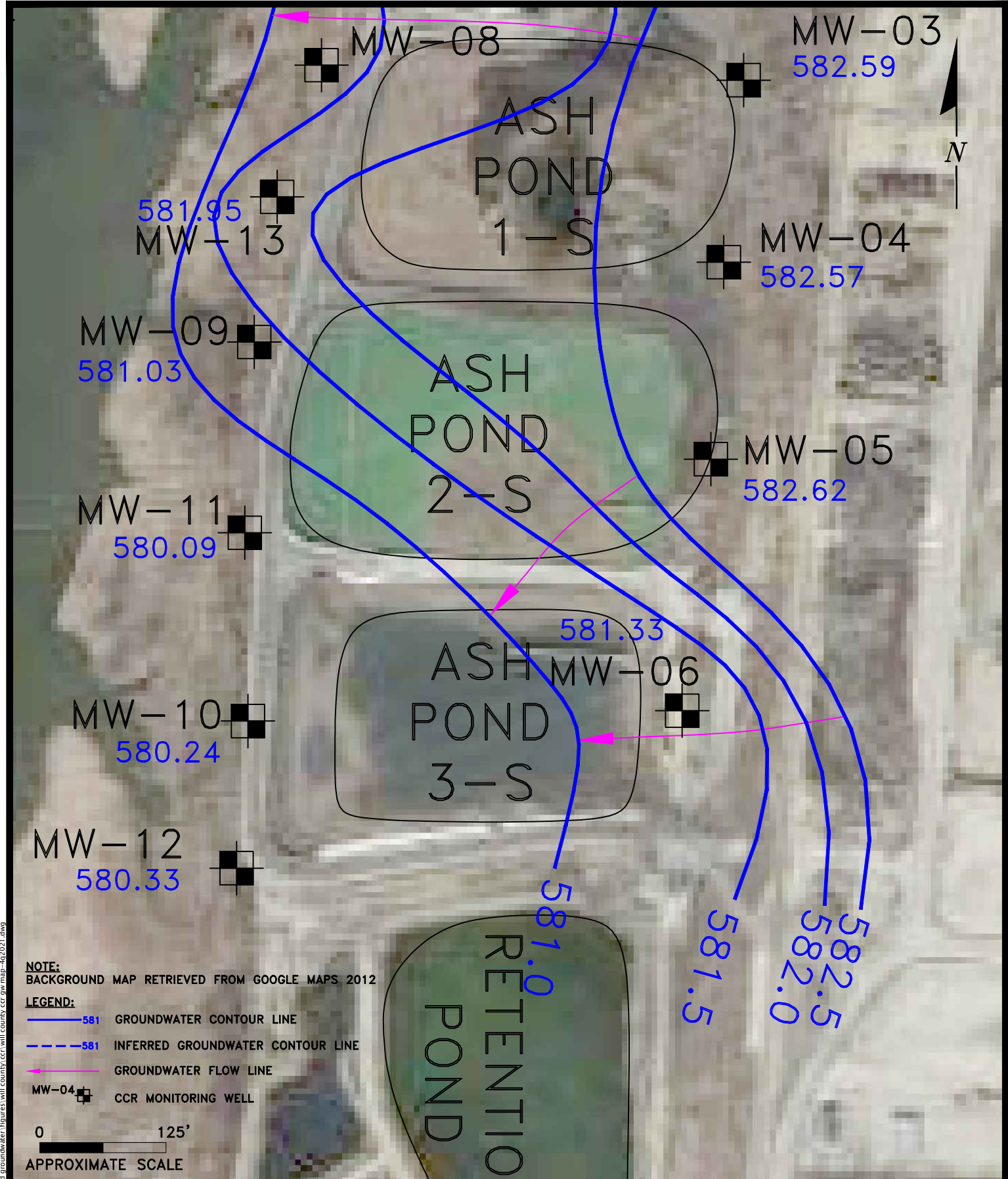
WILL COUNTY STATION
ROMEOWILLE, ILLINOIS

Scale: 1" = 128' | Date: July 14, 2021

KPRG Project No. 12313.3

FIGURE 2

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ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

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

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

CCR GROUNDWATER CONTOUR 11/2021

WILL COUNTY STATION
ROMEOWILLE, ILLINOIS

Scale: 1" = 125' | Date: January 2, 2022

KPRG Project No. 12313.3

FIGURE 3

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TABLES

Table 1. Groundwater Elevations - Midwest Generation, LLC, Will County Station, Romeoville, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-05	11/9/2015	592.87	9.99	582.88
	2/16/2016	592.87	9.91	582.96
	5/24/2016	592.87	9.94	582.93
	8/9/2016	592.87	10.09	582.78
	10/25/2016	592.87	9.02	583.85
	1/31/2017	592.87	9.81	583.06
	5/9/2017	592.87	9.63	583.24
	6/27/2017	592.87	10.26	582.61
	9/6/2017	592.87	10.48	582.39
	11/16/2017	592.87	10.02	582.85
	2/28/2018	592.87	9.48	583.39
	5/1/2018	592.87	9.94	582.93
	10/2/2018	592.87	10.64	582.23
	5/28/2019	592.87	8.73	584.14
	12/5/2019	592.87	9.92	582.95
	5/22/2020	592.87	9.39	583.48
	11/3/2020	592.87	10.48	582.39
5/24/2021	592.87	10.21	582.66	
11/19/2021	592.87	10.25	582.62	
MW-06	11/9/2015	593.18	9.96	583.22
	2/16/2016	593.18	11.37	581.81
	5/24/2016	593.18	11.37	581.81
	8/9/2016	593.18	11.54	581.64
	10/25/2016	593.18	11.37	581.81
	1/31/2017	593.18	11.24	581.94
	5/9/2017	593.18	10.86	582.32
	6/27/2017	593.18	11.55	581.63
	9/6/2017	593.18	11.77	581.41
	11/16/2017	593.18	11.49	581.69
	2/28/2018	593.18	10.91	582.27
	5/1/2018	593.18	11.47	581.71
	10/2/2018	593.18	11.89	581.29
	5/28/2019	593.18	10.18	583.00
	12/5/2019	593.18	11.51	581.67
	5/22/2020	593.18	10.55	582.63
	11/3/2020	593.18	11.86	581.32
5/24/2021	593.18	11.85	581.33	
11/19/2021	593.18	11.85	581.33	
MW-09	11/9/2015	592.87	11.38	581.49
	2/16/2016	592.87	11.03	581.84
	5/24/2016	592.87	11.35	581.52
	8/9/2016	592.87	11.43	581.44
	10/25/2016	592.87	10.74	582.13
	1/31/2017	592.87	11.15	581.72
	5/9/2017	592.87	10.45	582.42
	6/27/2017	592.87	11.66	581.21
	9/6/2017	592.87	11.95	580.92
	11/14/2017	592.87	11.54	581.33
	2/27/2018	592.87	10.13	582.74
	5/1/2018	592.87	11.39	581.48
	10/2/2018	592.87	11.91	580.96
	5/28/2019	592.87	9.65	583.22
	12/5/2019	592.87	11.17	581.70
	5/26/2020	592.87	9.67	583.20
	11/3/2020	592.87	11.90	580.97
5/25/2021	592.87	12.02	580.85	
11/19/2021	592.87	11.84	581.03	
MW-10	11/9/2015	590.96	10.65	580.31
	2/16/2016	590.96	10.43	580.53
	5/24/2016	590.96	10.72	580.24
	8/9/2016	590.96	11.12	579.84
	10/25/2016	590.96	10.73	580.23
	1/31/2017	590.96	10.37	580.59
	5/9/2017	590.96	9.78	581.18
	6/27/2017	590.96	11.09	579.87
	9/6/2017	590.96	11.20	579.76
	11/15/2017	590.96	10.76	580.20
	2/27/2018	590.96	9.54	581.42
	5/1/2018	590.96	10.64	580.32
	10/2/2018	590.96	11.12	579.84
	5/28/2019	590.96	9.02	581.94
	12/5/2019	590.96	10.28	580.68
	5/27/2020	590.96	8.89	582.07
	11/3/2020	590.96	10.68	580.28
5/24/2021	590.96	11.06	579.90	
11/19/2021	590.96	10.72	580.24	

MSL - Mean Sea Level
TOC - Top of Casing

Table 1. Groundwater Elevations - Midwest Generation, LLC, Will County Station, Romeoville, IL

Well ID	Date	Top of Casing Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (ft above MSL)
MW-11	11/9/2015	590.69	10.28	580.41
	2/16/2016	590.69	10.15	580.54
	5/24/2016	590.69	10.25	580.44
	8/9/2016	590.69	10.66	580.03
	10/25/2016	590.69	10.42	580.27
	1/31/2017	590.69	9.91	580.78
	5/9/2017	590.69	9.21	581.48
	6/27/2017	590.69	10.48	580.21
	9/6/2017	590.69	10.73	579.96
	11/15/2017	590.69	10.43	580.26
	5/1/2018	590.69	10.18	580.51
	10/2/2018	590.69	10.59	580.10
	5/28/2019	590.69	8.32	582.37
	12/5/2019	590.69	9.85	580.84
	5/26/2020	590.69	8.09	582.60
	11/3/2020	590.69	10.58	580.11
	5/24/2021	590.69	10.76	579.93
	8/23/2021	590.69	10.75	579.94
11/19/2021	590.69	10.60	580.09	
MW-12	11/9/2015	590.81	10.15	580.66
	2/16/2016	590.81	10.24	580.57
	5/24/2016	590.81	10.31	580.50
	8/9/2016	590.81	10.73	580.08
	10/25/2016	590.81	10.45	580.36
	1/31/2017	590.81	10.16	580.65
	5/9/2017	590.81	9.88	580.93
	6/27/2017	590.81	10.62	580.19
	9/6/2017	590.81	10.61	580.20
	11/15/2017	590.81	10.20	580.61
	5/1/2018	590.81	10.30	580.51
	10/2/2018	590.81	10.77	580.04
	5/28/2019	590.81	9.17	581.64
	12/5/2019	590.81	10.15	580.66
	5/22/2020	590.81	9.88	580.93
	11/3/2020	590.81	10.49	580.32
	5/24/2021	590.81	10.65	580.16
	8/23/2021	590.81	11.05	579.76
11/19/2021	590.81	10.48	580.33	

MSL - Mean Sea Level
TOC - Top of Casing

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

DATE	Groundwater Flow Direction	K _{avg} (ft/sec)*	Average Hydraulic Gradient (ft/ft)	Porosity (unitless)**	Estimated Seepage Velocity (ft/day)
11/9/2015	West	4.320E-04	0.0053	0.2	0.99
2/16/2016	West	4.320E-04	0.0030	0.2	0.55
5/24/2016	West	4.320E-04	0.0030	0.2	0.55
8/9/2016	West	4.320E-04	0.0030	0.2	0.55
10/25/2016	West	4.320E-04	0.0030	0.2	0.55
1/31/2017	West	4.320E-04	0.0030	0.2	0.55
5/9/2017	West	4.320E-04	0.0045	0.2	0.84
6/27/2017	West	4.320E-04	0.0049	0.2	0.91
9/6/2017	West	4.320E-04	0.0047	0.2	0.88
11/16/2017	West	4.320E-04	0.0026	0.2	0.49
5/1/2018	West	4.320E-04	0.0025	0.2	0.46
10/2/2018	West	4.320E-04	0.0040	0.2	0.75
5/28/2019	West	4.320E-04	0.0027	0.2	0.50
12/5/2019	West	4.320E-04	0.0027	0.2	0.50
5/22/2020	West	4.320E-04	0.0029	0.2	0.54
11/3/2020	West	4.320E-04	0.0074	0.2	1.37
5/24/2021	West	2.315E-04	0.0049	0.2	0.49
11/19/2021	West	2.315E-04	0.0047	0.2	0.47

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

** - Porosity estimate from Groundwater, Freeze and Cherry, 1979.

Table 3. CCR Groundwater Sample Collection Summary for 2021 - Will County Generating Station

Well ID	Number of Groundwater Sampling Events	Dates Groundwater Sampling Events	Detection Monitoring (D) versus Assessment Monitoring (A)
MW-5 (Upgradient)	2	5/24/2021	D
		11/19/2021	D
MW-6 (Upgradient)	2	5/24/2021	D
		11/19/2021	D
MW-9 (Downgradient)	2	5/25/2021	D
		11/19/2021	D
MW-10 (Downgradient)	2	5/24/2021	D
		11/19/2021	D
MW-11 (Downgradient)	2	8/23/2021	D
		11/19/2021	D
MW-12 (Downgradient)	2	8/23/2021	D
		11/19/2021	D

Table 4. Semi-Annual Detection Monitoring Statistical Comparisons - Appendix III Groundwater Analytical Results and Confirmatory Resampling - Midwest Generation, LLC, Will County Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
MW-05 up-gradient	11/11/2015	6.1	220	110	0.31	7.24	770	1,900
	2/18/2016	4.4	230	120	0.31	6.99	730	1,600
	5/26/2016	3.7	170	110	0.33	6.73	670	1,500
	8/10/2016	3.6	67	120	0.72	8.62	480	970
	10/26/2016	3.6	44	120	0.70	9.08	410	920
	2/1/2017	4.6	250	48	0.35	6.81	530	1,600
	5/11/2017	4.0	140	85	0.31	7.86	610	1,200
	6/27/2017	3.8	83	99	0.53	7.95	500	1,000
	Pred. Limit*	6.65	359	148	0.72	9.93-5.39	923	2,286
	9/8/2017	4.8	89	78	0.52	9.40	490	1,000
	11/16/2017	4.8	180	52	0.45	6.70	650	1,500
	5/2/2018	3.6	200	32	0.39	7.23	510	1,300
	10/3/2018	4.9	150	55	0.48	7.07	430	1,200
	5/29/2019	4.1	61	91	0.59	9.10	380	870
	12/6/2019	4.9	170	31	0.41	6.95	440	1,200
	5/22/2020	4.5	52	70	0.59	7.39	300	870
	11/4/2020	5	130	29	0.38	7.06	410	1,100
5/24/2021	4.7	120	28	0.53	7.07	430	1,000	
11/23/2021	5.5	140	22	0.44	6.80	370	1,100	
MW-06 up-gradient	11/10/2015	3.0	52	100	0.55	8.63	300	660
	2/18/2016	2.5	74	150	0.47	8.58	280	650
	5/26/2016	2.7	86	92	0.44	7.79	350	800
	8/11/2016	3.6	110	58	0.35	7.74	330	840
	10/26/2016	3.8	86	74	0.40	8.16	220	800
	2/1/2017	3.4	70	83	0.41	7.88	260	700
	5/11/2017	3.0	75	84	0.28	8.68	330	570
	6/27/2017	3.1	65	74	0.38	8.15	330	710
	Pred. Limit*	4.29	122	162	0.62	9.21-7.19	415	956
	9/7/2017	3.5	75	67	0.40	8.20	300	740
	11/16/2017	3.9	88	54	0.39	7.59	280	810
	5/3/2018	3	91	52	0.26	6.91	530	750
	7/25/2018 R	NA	NA	NA	NA	7.47	280	NA
	10/3/2018	3.5	93	44	0.31	7.83	240	720
	5/29/2019	4.3	120	38	0.21	7.51	350	1,000
	7/3/2019 R	3.2	NA	NA	NA	NA	NA	740
	12/6/2019	4.2	98	31	0.33	7.91	210	740
5/22/2020	3.4	98	56	0.31	7.47	180	710	
11/3/2020	3.3	100	43	0.36	7.29	170	700	
5/24/2021	2.6	99	46	0.33	7.65	160	610	
11/23/2021	2.6	85	43	0.37	7.48	150	720	
MW-09 down-gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750
	2/17/2016	1.8	47	160	0.55	9.10	250	600
	5/24/2016	1.6	48	180	0.51	8.79	240	640
	8/9/2016	2.2	53	140	0.48	8.35	280	750
	10/26/2016	2.2	33	130	0.81	9.16	230	660
	1/31/2017	2.0	61	250	0.57	8.59	180	710
	5/9/2017	1.8	66	340	0.38	8.58	250	900
	6/27/2017	1.9	64	330	0.51	7.76	240	940
	Pred. Limit	4.26	275**	149**	0.72**	9.39-6.48**	413	950
	Pred. Limit*	NC	NC	431.2	0.87	NC	NC	1,060
	9/6/2017	1.8	59	310	0.51	8.98	240	890
	11/14/2017	2.6	160	270	0.51	8.1	290	910
	5/1/2018	1.7	49	200	0.52	7.81	430	820
	7/25/2018 R	NA	NA	NA	NA	NA	320	NA
	10/2/2018	2.1	49	170	0.55	8.09	270	820
	5/29/2019	1.5	48	280	0.29	8.90	150	750
	12/6/2019	2.0	38	140	0.46	8.65	160	630
5/26/2020	1.3	55	320	0.32	8.66	140	720	
11/3/2020	2.0	43	240	0.55	8.64	180	750	
5/26/2021	1.6	67	360	0.39	8.74	180	900	
11/23/2021	1.1	30	290	0.47	8.73	210	900	

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

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

** - Based on pooled background from MW-5/MW-6. All others based on MW-6 as background.

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

NC - Not calculated.

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

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

BOLD - Above both interwell and intrawell Prediction Limits

NA - Not analyzed. No confirmation resample required.

R - Resample

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

Table 4. Semi-Annual Detection Monitoring Statistical Comparisons - Appendix III Groundwater Analytical Results and Confirmatory Resampling - Midwest Generation, LLC, Will County Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	
	2/16/2016	3.6	150	240	0.79	7.29	290	950	
	5/25/2016	3.6	120	140	0.83	7.26	260	1,000	
	8/10/2016	4.3	150	120	0.78	7.22	230	970	
	10/26/2016	3.0	160	74	0.52	7.30	220	1,000	
	2/2/2017	3.7	180	81	0.54	7.16	160	930	
	5/10/2017	3.0	150	100	0.44	7.83	340	860	
	6/27/2017	2.8	130	110	0.67	7.49	250	930	
	Pred. Limit	4.26	275**	149**	0.72**	9.39-6.48**	413	950	
	Pred. Limit*	NC	NC	262.2	1.06	NC	NC	1,074	
	9/7/2017	2.8	120	120	0.77	7.37	290	920	
	11/15/2017	4.1	140	120	0.77	7.10	270	1,000	
	5/1/2018	3.2	150	130	0.65	7.31	280	990	
	10/3/2018	2.5	110	140	0.89	7.60	200	860	
	5/29/2019	2.8	100	140	0.82	7.53	260	860	
	12/5/2019	3.7	120	110	0.93	7.21	190	940	
	5/27/2020	2.3	100	170	0.90	7.29	280	850	
	11/3/2020	3.7	130	140	0.87	7.02	180	920	
5/25/2021	3.0	160	130	0.62	7.16	160	910		
11/23/2021	2.7	110	130	0.71	7.07	230	990		
MW-11 down-gradient	11/10/2015	2.6	120	89	0.61	7.60	180	620	
	2/16/2016	3.0	100	88	0.68	7.47	170	640	
	5/25/2016	2.8	82	98	0.75	7.43	170	640	
	8/10/2016	3.1	96	86	0.72	7.57	150	660	
	10/26/2016	2.5	110	67	0.53	7.82	120	630	
	2/1/2017	3.9	110	72	0.65	7.54	110	600	
	5/10/2017	3.1	95	84	0.46	8.37	170	590	
	6/27/2017	2.8	87	90	0.59	7.57	150	680	
	Pred. Limit	4.26	275**	149**	0.72**	9.39-6.48**	413	950	
	Pred. Limit*	NC	NC	110.6	0.88	NC	NC	710	
	9/7/2017	2.8	90	94	0.58	7.40	150	730	
	11/15/2017	2.9	96	100	0.65	7.41	160	750	
	5/3/2018	3.8	73	110	0.69	6.74	190	670	
	10/3/2018	3.1	78	110	0.66	7.65	120	680	
	5/29/2019	2.2	86	110	0.49	7.55	120	610	
	12/5/2019	2.5	100	80	0.55	7.26	91	600	
	5/26/2020	2.3	89	100	0.54	7.4	90	540	
	11/3/2020	4.3	85	140	0.72	7.17	68	710	
5/25/2021	3.8	94	130	0.74	7.68	57	660		
11/23/2021	2.0	130	150	0.48	6.94	94	810		
12/22/2021 R	NA	NA	150	NA	7.03	NA	NA		
MW-12 down-gradient	11/10/2015	2.3	150	160	0.59	7.44	290	1,000	
	2/16/2016	1.8	130	140	0.52	7.38	220	850	
	5/25/2016	1.9	130	150	0.54	7.23	250	890	
	8/10/2016	2.4	170	140	0.49	7.20	280	1,000	
	10/26/2016	2.6	140	120	0.49	7.44	220	980	
	2/1/2017	2.0	160	120	0.48	7.30	150	900	
	5/10/2017	2.3	200	240	0.30	7.65	260	1,300	
	6/27/2017	2.4	180	280	0.44	7.31	260	1,300	
	Pred. Limit	4.26	275**	149**	0.72**	9.39-6.48**	413	950	
	Pred. Limit*	NC	NC	338.8	0.71	NC	NC	1,519	
	9/6/2017	2.6	190	270	0.49	7.26	260	1,400	
	11/15/2017	1.7	55	200	0.47	6.90	250	1,200	
	5/3/2018	1.8	140	170	0.47	6.60	170	960	
	10/2/2018	F1	2.2	150	160	0.49	7.30	170	1,100
	5/29/2019	1.9	140	140	0.42	7.23	190	930	
	12/5/2019	2.1	140	71	0.53	7.02	110	820	
	5/22/2020	1.9	180	120	0.4	6.95	140	1,100	
	11/3/2020	2.2	160	190	0.52	7.27	160	1,000	
5/25/2021	1.8	140	170	0.49	7.37	180	930		
11/23/2021	2.3	180	210	0.44	7.01	180	1,200		

Notes: All units are in mg/l except pH is in standard units.
 * - Intrawell Prediction Limit. All others are interwell comparisons.
 ** - Based on pooled background from MW-5/MW-6. All others based on MW-6 as background.
Italics Date - First round of Detection Monitoring and resample after statistical background establishment.
 NC - Not calculated.

BOLD - Potential statistically significant increase relative to interwell Prediction Limit.
BOLD - Potential statistically significant increase relative to intrawell Prediction Limit.
BOLD - Above both interwell and intrawell Prediction Limits
 NA - Not analyzed. No confirmation resample required.
 R - Resample
 F1 - MS and/or MSD Recovery outside of limits.

APPENDIX A
Analytical Data Packages

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-208740-1
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:
12/16/2021 12:22:47 PM

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

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	22
QC Association	23
QC Sample Results	28
Chain of Custody	36
Receipt Checklists	38
Chronicle	39

Case Narrative

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

Job ID: 500-208740-1

Job ID: 500-208740-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-208740-1**

Comments

No additional comments.

Receipt

The samples were received on 11/19/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.5° C, 1.8° C, 1.9° C, 3.4° C, 3.6° C, 4.8° C and 5.4° C.

Metals

Method 6020A: The initial low level continuing calibration verification (ICVL) associated with batch 500-633145 recovered above the upper control limit for Beryllium. The samples associated with this ICVL were non-detects for the affected analyte; therefore, the data have been reported.

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

General Chemistry

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



Method Summary

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

Job ID: 500-208740-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 Cl- E	Chloride, Total	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 SO4 E	Sulfate, Total	SM	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL 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:

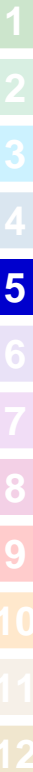
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

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

Job ID: 500-208740-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-208740-1	MW-01	Water	11/19/21 11:28	11/19/21 15:30
500-208740-2	MW-02	Water	11/19/21 12:15	11/19/21 15:30
500-208740-3	MW-03	Water	11/19/21 13:06	11/19/21 15:30
500-208740-4	MW-04	Water	11/19/21 13:58	11/19/21 15:30
500-208740-5	MW-07	Water	11/19/21 12:45	11/19/21 15:30
500-208740-6	MW-08	Water	11/19/21 11:40	11/19/21 15:30
500-208740-7	MW-14	Water	11/19/21 13:28	11/19/21 15:30
500-208740-8	MW-15	Water	11/19/21 12:15	11/19/21 15:30
500-208740-9	MW-05	Water	11/23/21 11:40	11/24/21 13:40
500-208740-10	MW-06	Water	11/23/21 13:21	11/24/21 13:40
500-208740-11	MW-09	Water	11/23/21 12:30	11/24/21 13:40
500-208740-12	MW-10	Water	11/23/21 13:26	11/24/21 13:40
500-208740-13	MW-11	Water	11/23/21 12:14	11/24/21 13:40
500-208740-14	MW-12	Water	11/23/21 14:20	11/24/21 13:40
500-208740-15	MW-13	Water	11/23/21 11:35	11/24/21 13:40
500-208740-16	DUPLICATE	Water	11/23/21 00:00	11/24/21 13:40



Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-01

Lab Sample ID: 500-208740-1

Date Collected: 11/19/21 11:28

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.038		0.010		mg/L		12/09/21 07:20	12/15/21 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:03	1
Arsenic	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Barium	0.090		0.0025		mg/L		12/09/21 07:20	12/09/21 16:03	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Boron	2.0		0.25		mg/L		12/09/21 07:20	12/10/21 11:49	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 16:03	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Molybdenum	0.0098		0.0050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Selenium	0.017		0.0025		mg/L		12/09/21 07:20	12/09/21 16:03	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	970		10		mg/L			11/23/21 08:16	1
Chloride	29		2.0		mg/L			11/22/21 16:40	1
Fluoride	0.56		0.10		mg/L			12/10/21 14:29	1
Sulfate	260		50		mg/L			11/22/21 18:07	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-02
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-2
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.041		0.010		mg/L		12/09/21 07:20	12/15/21 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:20	1
Arsenic	0.014		0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Barium	0.057		0.0025		mg/L		12/09/21 07:20	12/09/21 16:20	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Boron	5.2		1.0		mg/L		12/09/21 07:20	12/10/21 12:07	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Calcium	86		0.20		mg/L		12/09/21 07:20	12/09/21 16:20	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Molybdenum	0.068		0.0050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 16:20	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			11/23/21 08:19	1
Chloride	27		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.38		0.10		mg/L			12/10/21 14:32	1
Sulfate	520		100		mg/L			11/22/21 18:09	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.039		0.010		mg/L		12/09/21 07:20	12/15/21 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:23	1
Arsenic	0.0016		0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Barium	0.12		0.0025		mg/L		12/09/21 07:20	12/09/21 16:23	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Boron	3.7		0.50		mg/L		12/09/21 07:20	12/10/21 12:10	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Calcium	160		0.20		mg/L		12/09/21 07:20	12/09/21 16:23	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Molybdenum	0.025		0.0050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Selenium	0.0082		0.0025		mg/L		12/09/21 07:20	12/09/21 16:23	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	970		10		mg/L			11/23/21 08:21	1
Chloride	27		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.32		0.10		mg/L			12/10/21 14:35	1
Sulfate	330		50		mg/L			11/22/21 18:09	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-04

Lab Sample ID: 500-208740-4

Date Collected: 11/19/21 13:58

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.022		0.010		mg/L		12/09/21 07:20	12/15/21 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:27	1
Arsenic	0.0063		0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Barium	0.044		0.0025		mg/L		12/09/21 07:20	12/09/21 16:27	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Boron	6.1		1.0		mg/L		12/09/21 07:20	12/10/21 12:14	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Calcium	300		4.0		mg/L		12/09/21 07:20	12/10/21 12:14	20
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Cobalt	0.0022		0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Molybdenum	0.023		0.0050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 16:27	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			11/23/21 08:24	1
Chloride	23		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.36		0.10		mg/L			12/10/21 14:38	1
Sulfate	840		250		mg/L			11/22/21 18:09	50

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-07
Date Collected: 11/19/21 12:45
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-5
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.010		mg/L		12/09/21 07:20	12/15/21 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:33	1
Arsenic	0.0065		0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Barium	0.048		0.0025		mg/L		12/09/21 07:20	12/09/21 17:33	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Boron	3.9		0.50		mg/L		12/09/21 07:20	12/10/21 12:24	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 17:33	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Molybdenum	0.033		0.0050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:33	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1800		10		mg/L			11/23/21 08:26	1
Chloride	190		10		mg/L			11/22/21 16:42	5
Fluoride	0.48		0.10		mg/L			12/10/21 14:52	1
Sulfate	680		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-08

Lab Sample ID: 500-208740-6

Date Collected: 11/19/21 11:40

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		12/09/21 07:20	12/15/21 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:36	1
Arsenic	0.0094		0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Barium	0.065		0.0025		mg/L		12/09/21 07:20	12/09/21 17:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Boron	3.3		0.50		mg/L		12/09/21 07:20	12/10/21 12:27	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Calcium	200		0.20		mg/L		12/09/21 07:20	12/09/21 17:36	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Cobalt	0.0014		0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Molybdenum	0.043		0.0050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:36	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			11/23/21 08:29	1
Chloride	310		20		mg/L			11/22/21 16:42	10
Fluoride	0.50		0.10		mg/L			12/10/21 14:55	1
Sulfate	630		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-14

Lab Sample ID: 500-208740-7

Date Collected: 11/19/21 13:28

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.020		0.010		mg/L		12/09/21 07:20	12/15/21 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:39	1
Arsenic	0.0023		0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Barium	0.051		0.0025		mg/L		12/09/21 07:20	12/09/21 17:39	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Boron	3.0		0.50		mg/L		12/09/21 07:20	12/10/21 12:31	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Calcium	81		0.20		mg/L		12/09/21 07:20	12/09/21 17:39	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Molybdenum	0.049		0.0050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:39	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			11/23/21 08:31	1
Chloride	120		10		mg/L			11/22/21 16:42	5
Fluoride	0.60		0.10		mg/L			12/10/21 14:58	1
Sulfate	460		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.015		0.010		mg/L		12/09/21 07:20	12/15/21 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:43	1
Arsenic	0.0036		0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Barium	0.084		0.0025		mg/L		12/09/21 07:20	12/09/21 17:43	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Boron	2.9		0.50		mg/L		12/09/21 07:20	12/10/21 12:34	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Calcium	140		0.20		mg/L		12/09/21 07:20	12/09/21 17:43	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Molybdenum	0.021		0.0050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:43	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			11/23/21 08:34	1
Chloride	120		10		mg/L			11/22/21 16:43	5
Fluoride	0.46		0.10		mg/L			12/10/21 15:01	1
Sulfate	570		100		mg/L			11/22/21 18:11	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-05
Date Collected: 11/23/21 11:40
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-9
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		12/09/21 07:20	12/15/21 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:46	1
Arsenic	0.0035		0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Barium	0.066		0.0025		mg/L		12/09/21 07:20	12/09/21 17:46	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Boron	5.5		1.0		mg/L		12/09/21 07:20	12/10/21 12:38	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Calcium	140		0.20		mg/L		12/09/21 07:20	12/09/21 17:46	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Molybdenum	0.066		0.0050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Selenium	0.012		0.0025		mg/L		12/09/21 07:20	12/09/21 17:46	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			11/27/21 18:40	1
Chloride	22		2.0		mg/L			12/01/21 13:41	1
Fluoride	0.44		0.10		mg/L			12/10/21 15:16	1
Sulfate	370		50		mg/L			12/01/21 14:17	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-06

Lab Sample ID: 500-208740-10

Date Collected: 11/23/21 13:21

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		12/09/21 07:20	12/15/21 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:50	1
Arsenic	0.0020		0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Barium	0.070		0.0025		mg/L		12/09/21 07:20	12/09/21 17:50	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Boron	2.6		0.50		mg/L		12/09/21 07:20	12/10/21 12:41	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Calcium	85		0.20		mg/L		12/09/21 07:20	12/09/21 17:50	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Molybdenum	0.017		0.0050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:50	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	720		10		mg/L			11/27/21 18:42	1
Chloride	43		6.0		mg/L			12/01/21 12:47	3
Fluoride	0.37		0.10		mg/L			12/10/21 15:26	1
Sulfate	150		25		mg/L			12/01/21 14:18	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-09

Lab Sample ID: 500-208740-11

Date Collected: 11/23/21 12:30

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:53	1
Arsenic	0.0046		0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Barium	0.024		0.0025		mg/L		12/09/21 07:20	12/09/21 17:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Boron	1.1		0.25		mg/L		12/09/21 07:20	12/10/21 12:45	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Calcium	30		0.20		mg/L		12/09/21 07:20	12/09/21 17:53	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Molybdenum	0.037		0.0050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:53	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	900		10		mg/L			11/27/21 18:45	1
Chloride	290		20		mg/L			12/01/21 12:48	10
Fluoride	0.47		0.10		mg/L			12/10/21 15:39	1
Sulfate	210		25		mg/L			12/01/21 14:18	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-10
Date Collected: 11/23/21 13:26
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-12
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		12/09/21 07:20	12/15/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:57	1
Arsenic	0.012		0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Barium	0.091		0.0025		mg/L		12/09/21 07:20	12/09/21 17:57	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Boron	2.7		0.50		mg/L		12/09/21 07:20	12/10/21 12:48	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Calcium	110		0.20		mg/L		12/09/21 07:20	12/09/21 17:57	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Lead	0.0011		0.00050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Molybdenum	0.048		0.0050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:57	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	990		10		mg/L			11/27/21 18:47	1
Chloride	130		10		mg/L			12/01/21 12:48	5
Fluoride	0.71		0.10		mg/L			12/10/21 15:43	1
Sulfate	230		50		mg/L			12/01/21 14:19	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-11

Lab Sample ID: 500-208740-13

Date Collected: 11/23/21 12:14

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:00	1
Arsenic	0.0085		0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Barium	0.11		0.0025		mg/L		12/09/21 07:20	12/09/21 18:00	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Boron	2.0		0.25		mg/L		12/09/21 07:20	12/10/21 12:52	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Calcium	130		0.20		mg/L		12/09/21 07:20	12/09/21 18:00	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Molybdenum	0.025		0.0050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 18:00	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	810		10		mg/L			11/27/21 18:50	1
Chloride	150		10		mg/L			12/01/21 12:49	5
Fluoride	0.48		0.10		mg/L			12/10/21 15:46	1
Sulfate	94		25		mg/L			12/01/21 14:19	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-12
Date Collected: 11/23/21 14:20
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-14
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		12/09/21 07:20	12/15/21 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:03	1
Arsenic	0.0020		0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Barium	0.15		0.0025		mg/L		12/09/21 07:20	12/09/21 18:03	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Boron	2.3		0.50		mg/L		12/09/21 07:20	12/10/21 12:55	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Calcium	180		0.20		mg/L		12/09/21 07:20	12/09/21 18:03	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Molybdenum	0.022		0.0050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Selenium	0.0055		0.0025		mg/L		12/09/21 07:20	12/09/21 18:03	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			11/27/21 18:53	1
Chloride	210		10		mg/L			12/01/21 12:50	5
Fluoride	0.44		0.10		mg/L			12/10/21 15:49	1
Sulfate	180		25		mg/L			12/01/21 14:21	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-13

Lab Sample ID: 500-208740-15

Date Collected: 11/23/21 11:35

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:14	1
Arsenic	0.0011		0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Barium	0.11		0.0025		mg/L		12/09/21 07:20	12/09/21 18:14	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Boron	1.8		0.25		mg/L		12/09/21 07:20	12/10/21 13:05	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 18:14	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Molybdenum	0.012		0.0050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Selenium	0.0082		0.0025		mg/L		12/09/21 07:20	12/09/21 18:14	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			11/27/21 18:55	1
Chloride	230		20		mg/L			12/01/21 12:50	10
Fluoride	0.33		0.10		mg/L			12/10/21 15:52	1
Sulfate	300		50		mg/L			12/01/21 14:21	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:17	1
Arsenic	0.0081		0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Barium	0.043		0.0025		mg/L		12/09/21 07:20	12/09/21 18:17	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Boron	2.1		0.25		mg/L		12/09/21 07:20	12/10/21 13:09	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Calcium	52		0.20		mg/L		12/09/21 07:20	12/09/21 18:17	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Molybdenum	0.068		0.0050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 18:17	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	930		10		mg/L			11/27/21 18:58	1
Chloride	290		20		mg/L			12/01/21 12:51	10
Fluoride	0.46		0.10		mg/L			12/10/21 15:55	1
Sulfate	210		50		mg/L			12/01/21 14:21	10

Definitions/Glossary

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

Job ID: 500-208740-1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

QC Association Summary

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

Job ID: 500-208740-1

Metals

Prep Batch: 632002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	7470A	
500-208740-2	MW-02	Total/NA	Water	7470A	
500-208740-3	MW-03	Total/NA	Water	7470A	
500-208740-4	MW-04	Total/NA	Water	7470A	
500-208740-5	MW-07	Total/NA	Water	7470A	
500-208740-6	MW-08	Total/NA	Water	7470A	
500-208740-7	MW-14	Total/NA	Water	7470A	
500-208740-8	MW-15	Total/NA	Water	7470A	
500-208740-9	MW-05	Total/NA	Water	7470A	
500-208740-10	MW-06	Total/NA	Water	7470A	
500-208740-11	MW-09	Total/NA	Water	7470A	
500-208740-12	MW-10	Total/NA	Water	7470A	
500-208740-13	MW-11	Total/NA	Water	7470A	
500-208740-14	MW-12	Total/NA	Water	7470A	
500-208740-15	MW-13	Total/NA	Water	7470A	
500-208740-16	DUPLICATE	Total/NA	Water	7470A	
MB 500-632002/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-632002/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-208740-9 MS	MW-05	Total/NA	Water	7470A	
500-208740-9 MSD	MW-05	Total/NA	Water	7470A	
500-208740-9 DU	MW-05	Total/NA	Water	7470A	

Analysis Batch: 632273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	7470A	632002
500-208740-2	MW-02	Total/NA	Water	7470A	632002
500-208740-3	MW-03	Total/NA	Water	7470A	632002
500-208740-4	MW-04	Total/NA	Water	7470A	632002
500-208740-5	MW-07	Total/NA	Water	7470A	632002
500-208740-6	MW-08	Total/NA	Water	7470A	632002
500-208740-7	MW-14	Total/NA	Water	7470A	632002
500-208740-8	MW-15	Total/NA	Water	7470A	632002
500-208740-9	MW-05	Total/NA	Water	7470A	632002
500-208740-10	MW-06	Total/NA	Water	7470A	632002
500-208740-11	MW-09	Total/NA	Water	7470A	632002
500-208740-12	MW-10	Total/NA	Water	7470A	632002
500-208740-13	MW-11	Total/NA	Water	7470A	632002
500-208740-14	MW-12	Total/NA	Water	7470A	632002
500-208740-15	MW-13	Total/NA	Water	7470A	632002
500-208740-16	DUPLICATE	Total/NA	Water	7470A	632002
MB 500-632002/12-A	Method Blank	Total/NA	Water	7470A	632002
LCS 500-632002/13-A	Lab Control Sample	Total/NA	Water	7470A	632002
500-208740-9 MS	MW-05	Total/NA	Water	7470A	632002
500-208740-9 MSD	MW-05	Total/NA	Water	7470A	632002
500-208740-9 DU	MW-05	Total/NA	Water	7470A	632002

Prep Batch: 632817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	3005A	
500-208740-2	MW-02	Total Recoverable	Water	3005A	
500-208740-3	MW-03	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-208740-1

Metals (Continued)

Prep Batch: 632817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-4	MW-04	Total Recoverable	Water	3005A	
500-208740-5	MW-07	Total Recoverable	Water	3005A	
500-208740-6	MW-08	Total Recoverable	Water	3005A	
500-208740-7	MW-14	Total Recoverable	Water	3005A	
500-208740-8	MW-15	Total Recoverable	Water	3005A	
500-208740-9	MW-05	Total Recoverable	Water	3005A	
500-208740-10	MW-06	Total Recoverable	Water	3005A	
500-208740-11	MW-09	Total Recoverable	Water	3005A	
500-208740-12	MW-10	Total Recoverable	Water	3005A	
500-208740-13	MW-11	Total Recoverable	Water	3005A	
500-208740-14	MW-12	Total Recoverable	Water	3005A	
500-208740-15	MW-13	Total Recoverable	Water	3005A	
500-208740-16	DUPLICATE	Total Recoverable	Water	3005A	
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-208740-1 MS	MW-01	Total Recoverable	Water	3005A	
500-208740-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-208740-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 633145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6020A	632817
500-208740-2	MW-02	Total Recoverable	Water	6020A	632817
500-208740-3	MW-03	Total Recoverable	Water	6020A	632817
500-208740-4	MW-04	Total Recoverable	Water	6020A	632817
500-208740-5	MW-07	Total Recoverable	Water	6020A	632817
500-208740-6	MW-08	Total Recoverable	Water	6020A	632817
500-208740-7	MW-14	Total Recoverable	Water	6020A	632817
500-208740-8	MW-15	Total Recoverable	Water	6020A	632817
500-208740-9	MW-05	Total Recoverable	Water	6020A	632817
500-208740-10	MW-06	Total Recoverable	Water	6020A	632817
500-208740-11	MW-09	Total Recoverable	Water	6020A	632817
500-208740-12	MW-10	Total Recoverable	Water	6020A	632817
500-208740-13	MW-11	Total Recoverable	Water	6020A	632817
500-208740-14	MW-12	Total Recoverable	Water	6020A	632817
500-208740-15	MW-13	Total Recoverable	Water	6020A	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6020A	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6020A	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6020A	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6020A	632817

Analysis Batch: 633191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6020A	632817
500-208740-2	MW-02	Total Recoverable	Water	6020A	632817
500-208740-3	MW-03	Total Recoverable	Water	6020A	632817
500-208740-4	MW-04	Total Recoverable	Water	6020A	632817
500-208740-5	MW-07	Total Recoverable	Water	6020A	632817
500-208740-6	MW-08	Total Recoverable	Water	6020A	632817

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-208740-1

Metals (Continued)

Analysis Batch: 633191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-7	MW-14	Total Recoverable	Water	6020A	632817
500-208740-8	MW-15	Total Recoverable	Water	6020A	632817
500-208740-9	MW-05	Total Recoverable	Water	6020A	632817
500-208740-10	MW-06	Total Recoverable	Water	6020A	632817
500-208740-11	MW-09	Total Recoverable	Water	6020A	632817
500-208740-12	MW-10	Total Recoverable	Water	6020A	632817
500-208740-13	MW-11	Total Recoverable	Water	6020A	632817
500-208740-14	MW-12	Total Recoverable	Water	6020A	632817
500-208740-15	MW-13	Total Recoverable	Water	6020A	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6020A	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6020A	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6020A	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6020A	632817

Analysis Batch: 633995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6010C	632817
500-208740-2	MW-02	Total Recoverable	Water	6010C	632817
500-208740-3	MW-03	Total Recoverable	Water	6010C	632817
500-208740-4	MW-04	Total Recoverable	Water	6010C	632817
500-208740-5	MW-07	Total Recoverable	Water	6010C	632817
500-208740-6	MW-08	Total Recoverable	Water	6010C	632817
500-208740-7	MW-14	Total Recoverable	Water	6010C	632817
500-208740-8	MW-15	Total Recoverable	Water	6010C	632817
500-208740-9	MW-05	Total Recoverable	Water	6010C	632817
500-208740-10	MW-06	Total Recoverable	Water	6010C	632817
500-208740-11	MW-09	Total Recoverable	Water	6010C	632817
500-208740-12	MW-10	Total Recoverable	Water	6010C	632817
500-208740-13	MW-11	Total Recoverable	Water	6010C	632817
500-208740-14	MW-12	Total Recoverable	Water	6010C	632817
500-208740-15	MW-13	Total Recoverable	Water	6010C	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6010C	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6010C	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6010C	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6010C	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6010C	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6010C	632817

General Chemistry

Analysis Batch: 630462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 2540C	
500-208740-2	MW-02	Total/NA	Water	SM 2540C	
500-208740-3	MW-03	Total/NA	Water	SM 2540C	
500-208740-4	MW-04	Total/NA	Water	SM 2540C	
500-208740-5	MW-07	Total/NA	Water	SM 2540C	
500-208740-6	MW-08	Total/NA	Water	SM 2540C	
500-208740-7	MW-14	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-208740-1

General Chemistry (Continued)

Analysis Batch: 630462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-8	MW-15	Total/NA	Water	SM 2540C	
MB 500-630462/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-630462/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 630527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-208740-2	MW-02	Total/NA	Water	SM 4500 CI- E	
500-208740-3	MW-03	Total/NA	Water	SM 4500 CI- E	
500-208740-4	MW-04	Total/NA	Water	SM 4500 CI- E	
500-208740-5	MW-07	Total/NA	Water	SM 4500 CI- E	
500-208740-6	MW-08	Total/NA	Water	SM 4500 CI- E	
500-208740-7	MW-14	Total/NA	Water	SM 4500 CI- E	
500-208740-8	MW-15	Total/NA	Water	SM 4500 CI- E	
MB 500-630527/91	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-630527/92	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-208740-1 MS	MW-01	Total/NA	Water	SM 4500 CI- E	
500-208740-1 MSD	MW-01	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 630528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-208740-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-208740-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-208740-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-208740-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-208740-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-208740-7	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-208740-8	MW-15	Total/NA	Water	SM 4500 SO4 E	
MB 500-630528/44	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-630528/45	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-208740-1 MS	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-208740-1 MSD	MW-01	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 631038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 2540C	
500-208740-10	MW-06	Total/NA	Water	SM 2540C	
500-208740-11	MW-09	Total/NA	Water	SM 2540C	
500-208740-12	MW-10	Total/NA	Water	SM 2540C	
500-208740-13	MW-11	Total/NA	Water	SM 2540C	
500-208740-14	MW-12	Total/NA	Water	SM 2540C	
500-208740-15	MW-13	Total/NA	Water	SM 2540C	
500-208740-16	DUPLICATE	Total/NA	Water	SM 2540C	
MB 500-631038/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-631038/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 631704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 4500 CI- E	
500-208740-10	MW-06	Total/NA	Water	SM 4500 CI- E	

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QC Association Summary

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

Job ID: 500-208740-1

General Chemistry (Continued)

Analysis Batch: 631704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-11	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-208740-12	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-208740-13	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-208740-14	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-208740-15	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 Cl- E	
MB 500-631704/84	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-631704/85	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-208740-13 MS	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-208740-13 MSD	MW-11	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 631705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-208740-10	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-208740-11	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-208740-12	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-208740-13	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-208740-14	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-208740-15	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 SO4 E	
MB 500-631705/38	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-631705/42	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-208740-13 MS	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-208740-13 MSD	MW-11	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 633232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 F C	
500-208740-2	MW-02	Total/NA	Water	SM 4500 F C	
500-208740-3	MW-03	Total/NA	Water	SM 4500 F C	
500-208740-4	MW-04	Total/NA	Water	SM 4500 F C	
500-208740-5	MW-07	Total/NA	Water	SM 4500 F C	
500-208740-6	MW-08	Total/NA	Water	SM 4500 F C	
500-208740-7	MW-14	Total/NA	Water	SM 4500 F C	
500-208740-8	MW-15	Total/NA	Water	SM 4500 F C	
500-208740-9	MW-05	Total/NA	Water	SM 4500 F C	
500-208740-10	MW-06	Total/NA	Water	SM 4500 F C	
500-208740-11	MW-09	Total/NA	Water	SM 4500 F C	
500-208740-12	MW-10	Total/NA	Water	SM 4500 F C	
500-208740-13	MW-11	Total/NA	Water	SM 4500 F C	
500-208740-14	MW-12	Total/NA	Water	SM 4500 F C	
500-208740-15	MW-13	Total/NA	Water	SM 4500 F C	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 F C	
MB 500-633232/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-633232/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-633232/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-633232/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-208740-9 MS	MW-05	Total/NA	Water	SM 4500 F C	
500-208740-9 MSD	MW-05	Total/NA	Water	SM 4500 F C	

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QC Sample Results

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

Job ID: 500-208740-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633995

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 16:46	1

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633995

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.505		mg/L		101	80 - 120

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.038		0.500	0.555		mg/L		103	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lithium	0.038		0.500	0.531		mg/L		99	75 - 125	4	20

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.038		0.0400		mg/L		5	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633145

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 15:56	1
Arsenic	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Barium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 15:56	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Calcium	<0.20		0.20		mg/L		12/09/21 07:20	12/09/21 15:56	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Molybdenum	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 15:56	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 15:56	1

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QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633191

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		12/09/21 07:20	12/10/21 11:42	1

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633145

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.486		mg/L		97	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	2.00	1.93		mg/L		97	80 - 120
Beryllium	0.0500	0.0508	^1+	mg/L		102	80 - 120
Cadmium	0.0500	0.0488		mg/L		98	80 - 120
Calcium	10.0	9.84		mg/L		98	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.500	0.510		mg/L		102	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Molybdenum	1.00	0.964		mg/L		96	80 - 120
Selenium	0.100	0.0987		mg/L		99	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633191

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

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

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.497		mg/L		99	75 - 125
Arsenic	<0.0010		0.100	0.0984		mg/L		98	75 - 125
Barium	0.090		2.00	2.00		mg/L		95	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0478	^1+	mg/L		96	75 - 125
Cadmium	<0.00050		0.0500	0.0481		mg/L		96	75 - 125
Calcium	170		10.0	188	4	mg/L		160	75 - 125
Chromium	<0.0050		0.200	0.195		mg/L		98	75 - 125
Cobalt	<0.0010		0.500	0.481		mg/L		96	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Molybdenum	0.0098		1.00	1.00		mg/L		99	75 - 125
Selenium	0.017		0.100	0.118		mg/L		102	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	2.0		1.00	3.11		mg/L		109	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.486		mg/L		97	75 - 125	2	20
Arsenic	<0.0010		0.100	0.0976		mg/L		97	75 - 125	1	20
Barium	0.090		2.00	1.98		mg/L		95	75 - 125	1	20
Beryllium	<0.0010	^1+	0.0500	0.0480	^1+	mg/L		96	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0475		mg/L		94	75 - 125	1	20
Calcium	170		10.0	188	4	mg/L		154	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	1	20
Cobalt	<0.0010		0.500	0.477		mg/L		95	75 - 125	1	20
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125	1	20
Molybdenum	0.0098		1.00	0.982		mg/L		97	75 - 125	2	20
Selenium	0.017		0.100	0.116		mg/L		99	75 - 125	2	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	0	20

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Boron	2.0		1.00	3.15		mg/L		113	75 - 125	1	20

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.090		0.0911		mg/L		0.9	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	170		174		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
Molybdenum	0.0098		0.00949		mg/L		3	20
Selenium	0.017		0.0168		mg/L		2	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	2.0		2.11		mg/L		4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-632002/12-A
Matrix: Water
Analysis Batch: 632273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 632002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:37	1

Lab Sample ID: LCS 500-632002/13-A
Matrix: Water
Analysis Batch: 632273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632002
%Rec. Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Lab Sample ID: 500-208740-9 MS
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002
%Rec. Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020		0.00100	0.00100		mg/L		100	75 - 125

Lab Sample ID: 500-208740-9 MSD
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002
%Rec. RPD Limit

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.00103		mg/L		103	75 - 125	3	20

Lab Sample ID: 500-208740-9 DU
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002

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

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

Lab Sample ID: MB 500-630462/1
Matrix: Water
Analysis Batch: 630462

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			11/23/21 07:48	1

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: LCS 500-630462/2
Matrix: Water
Analysis Batch: 630462

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	244		mg/L		98	80 - 120

Lab Sample ID: MB 500-631038/1
Matrix: Water
Analysis Batch: 631038

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			11/27/21 18:04	1

Lab Sample ID: LCS 500-631038/2
Matrix: Water
Analysis Batch: 631038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-630527/91
Matrix: Water
Analysis Batch: 630527

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/22/21 16:16	1

Lab Sample ID: LCS 500-630527/92
Matrix: Water
Analysis Batch: 630527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.6		mg/L		103	85 - 115

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 630527

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	29		20.0	52.4		mg/L		115	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 630527

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	29		20.0	52.4		mg/L		115	75 - 125	0	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-631704/84
Matrix: Water
Analysis Batch: 631704

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			12/01/21 12:47	1

Lab Sample ID: LCS 500-631704/85
Matrix: Water
Analysis Batch: 631704

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	20.2		mg/L		101	85 - 115

Lab Sample ID: 500-208740-13 MS
Matrix: Water
Analysis Batch: 631704

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	150		20.0	160	4	mg/L		67	75 - 125

Lab Sample ID: 500-208740-13 MSD
Matrix: Water
Analysis Batch: 631704

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	150		20.0	160	4	mg/L		67	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-633232/3
Matrix: Water
Analysis Batch: 633232

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			12/10/21 13:29	1

Lab Sample ID: MB 500-633232/31
Matrix: Water
Analysis Batch: 633232

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			12/10/21 15:08	1

Lab Sample ID: LCS 500-633232/32
Matrix: Water
Analysis Batch: 633232

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	11.2		mg/L		112	90 - 119

QC Sample Results

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

Job ID: 500-208740-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-633232/4
Matrix: Water
Analysis Batch: 633232

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	10.8		mg/L		108	90 - 119

Lab Sample ID: 500-208740-9 MS
Matrix: Water
Analysis Batch: 633232

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.44		5.00	5.84		mg/L		108	75 - 125

Lab Sample ID: 500-208740-9 MSD
Matrix: Water
Analysis Batch: 633232

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.44		5.00	5.84		mg/L		108	75 - 125	0	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-630528/44
Matrix: Water
Analysis Batch: 630528

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			11/22/21 17:43	1

Lab Sample ID: LCS 500-630528/45
Matrix: Water
Analysis Batch: 630528

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	21.1		mg/L		105	88 - 123

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 630528

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
Sulfate	260		20.0	269	4	mg/L		51	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 630528

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
Sulfate	260		20.0	270	4	mg/L		54	75 - 125	0	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-631705/38
Matrix: Water
Analysis Batch: 631705

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			12/01/21 14:16	1

Lab Sample ID: LCS 500-631705/42
Matrix: Water
Analysis Batch: 631705

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	21.7		mg/L		109	88 - 123

Lab Sample ID: 500-208740-13 MS
Matrix: Water
Analysis Batch: 631705

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	94		20.0	111	4	mg/L		89	75 - 125

Lab Sample ID: 500-208740-13 MSD
Matrix: Water
Analysis Batch: 631705

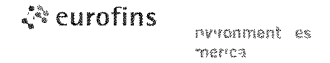
Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	94		20.0	111	4	mg/L		87	75 - 125	0	20

Eurofins TestAmerica, Chicago

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

Chain of Custody Record



Client Information		Sampler: <i>M. Riss</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500 96644-42645 1					
Client Contact: Richard Gnat		Phone: <i>630.602.7240</i>		E Mail: Diana Mockler@Eurofinset.com		State of Origin		Page: Page 1 of 1					
Company: KPRG and Associates Inc		PWSID:		Analysis Requested						Job #: <i>500-208740</i>			
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		Field Filtered Sample (Yes or No) / Perform MS/MSD (Yes or No) 903.0 904.0 6010C 6020A 7470A 2540C 4500_F_C SM4500_C1_E SM4500_S04_E						Preservation Codes			
City: Brookfield		TAT Requested (days)								Preservation Codes			
State, Zip: WI 53005		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								Preservation Codes			
Phone: 779-279-2321(Tel) 500-208740 COC		PO #: 4502041043								Preservation Codes			
Email: richardg@kprginc.com		WO #:								Preservation Codes			
Project Name: Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609		Total Number of containers		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 Z other (specify) Other:							
Site: Illinois		SSOW#:		Special Instructions/Note									
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)						Total Number of containers	Special Instructions/Note
						X	X	X					
<i>MW-05</i>		<i>11/23</i>	<i>11:40</i>		<i>Water</i>								
<i>MW-06</i>			<i>13:21</i>		<i>Water</i>								
<i>MW-09</i>			<i>12:30</i>		<i>Water</i>								
<i>MW-10</i>			<i>13:26</i>		<i>Water</i>								
<i>MW-11</i>			<i>12:14</i>		<i>Water</i>								
<i>MW-12</i>			<i>14:20</i>		<i>Water</i>								
<i>MW-13</i>			<i>11:35</i>		<i>Water</i>								
<i>Duplicate</i>			<i>-</i>										
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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>M. Riss</i>		Date/Time: <i>11/23/24 12:00</i>		Company: <i>KPRG</i>		Received by: <i>[Signature]</i>		Date/Time: <i>11/24/24 12:40</i>		Company: <i>TA</i>			
Relinquished by: <i>[Signature]</i>		Date/Time: <i>11/24/24 13:10</i>		Company: <i>A</i>		Received by: <i>[Signature]</i>		Date/Time: <i>11/24/24 13:40</i>		Company: <i>ETA</i>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) C and Other Remarks		<i>5.4, 3.4, 1.5, 1.8, 1.9</i>							

9
10
11
12
13
14
15
16



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-208740-1

Login Number: 208740

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

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	3.6,4.8,5.4,3.4,1.5,1.8,1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Note: sample 8 only has 2L for Rad work
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	

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-01
Date Collected: 11/19/21 11:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 16:52	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:03	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 11:49	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:42	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:16	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	630527	11/22/21 16:40	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:29	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	630528	11/22/21 18:07	RES	TAL CHI

Client Sample ID: MW-02
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:08	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:20	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:07	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:44	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:32	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:12	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:23	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:10	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:46	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:21	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:35	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-04
Date Collected: 11/19/21 13:58
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:15	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:27	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:14	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:48	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:38	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-07
Date Collected: 11/19/21 12:45
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:25	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:33	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:24	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:50	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:26	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-08
Date Collected: 11/19/21 11:40
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:28	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:36	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:27	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:52	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:29	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:55	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Client Sample ID: MW-14
Date Collected: 11/19/21 13:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:31	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:39	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:31	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:03	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:31	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:58	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:35	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:34	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:14	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:34	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	630527	11/22/21 16:43	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:01	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:11	RES	TAL CHI

Client Sample ID: MW-05
Date Collected: 11/23/21 11:40
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:38	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:46	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:38	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:16	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:40	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	631704	12/01/21 13:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:16	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:17	RES	TAL CHI

Client Sample ID: MW-06
Date Collected: 11/23/21 13:21
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:41	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:50	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:41	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:42	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		3	631704	12/01/21 12:47	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:18	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-09
Date Collected: 11/23/21 12:30
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:44	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:53	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 12:45	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:45	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:48	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:39	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:18	RES	TAL CHI

Client Sample ID: MW-10
Date Collected: 11/23/21 13:26
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:48	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:57	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:48	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:41	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:47	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:48	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:43	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:19	RES	TAL CHI

Client Sample ID: MW-11
Date Collected: 11/23/21 12:14
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:51	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:00	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 12:52	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:43	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-11

Lab Sample ID: 500-208740-13

Date Collected: 11/23/21 12:14

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:50	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:49	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:46	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:19	RES	TAL CHI

Client Sample ID: MW-12

Lab Sample ID: 500-208740-14

Date Collected: 11/23/21 14:20

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:54	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:03	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:55	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:45	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:53	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:50	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:49	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:21	RES	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-208740-15

Date Collected: 11/23/21 11:35

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 18:04	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:14	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 13:05	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:47	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:55	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:50	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:21	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 18:07	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:17	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 13:09	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:49	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:58	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:51	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:55	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:21	RES	TAL CHI

Laboratory References:

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



ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-210253-1
Client Project/Site: Will County CCR MW-11

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

Attn: Richard Gnat



Authorized for release by:
12/29/2021 10:14:23 AM

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	7
QC Association	8
QC Sample Results	9
Chain of Custody	10
Receipt Checklists	11
Chronicle	12

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

Job ID: 500-210253-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-210253-1**

Comments

No additional comments.

Receipt

The sample was received on 12/23/2021 11:53 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6° C.

General Chemistry

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

Method	Method Description	Protocol	Laboratory
SM 4500 Cl- E	Chloride, Total	SM	TAL CHI

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-210253-1	MW-11	Water	12/22/21 14:30	12/23/21 11:53

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

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

Client Sample ID: MW-11

Lab Sample ID: 500-210253-1

Date Collected: 12/22/21 14:30

Matrix: Water

Date Received: 12/23/21 11:53

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		10		mg/L			12/28/21 15:24	5

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Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

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: Will County CCR MW-11

Job ID: 500-210253-1

General Chemistry

Analysis Batch: 635832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210253-1	MW-11	Total/NA	Water	SM 4500 Cl- E	
MB 500-635832/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-635832/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

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QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Will County CCR MW-11

Job ID: 500-210253-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-635832/44
Matrix: Water
Analysis Batch: 635832

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			12/28/21 15:16	1

Lab Sample ID: LCS 500-635832/45
Matrix: Water
Analysis Batch: 635832

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	20.2		mg/L		101	85 - 115



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-210253-1

Login Number: 210253

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
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 <math><6\text{mm}</math> (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: Will County CCR MW-11

Job ID: 500-210253-1

Client Sample ID: MW-11

Lab Sample ID: 500-210253-1

Date Collected: 12/22/21 14:30

Matrix: Water

Date Received: 12/23/21 11:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- E		5	635832	12/28/21 15:24	RES	TAL CHI

Laboratory References:

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

