

## **DATA SUMMARY POSTING**

Station: Midwest Generation Will County Generating Station

Regulated Unit(s):   Pond 1N (IEPA ID No. W1978100011-01)  
                          Pond 1S (IEPA ID No. W1978100011-02)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 4<sup>th</sup> quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements.

No background statistics or proposed Groundwater Protection Standards are included on these tables. The background statistics and proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit for Ponds 1N and 1S dated March 31, 2022. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.





Table 2. Groundwater Turbidity - Ponds 1N and 1S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-01	2/23/2021	0.64
	4/10/2021	5.81
	4/25/2021	7.69
	5/3/2021	1.74
	5/24/2021	1.83
	6/7/2021	2.32
	6/25/2021	3.50
	7/12/2021	4.18
	8/2/2021	2.87
	8/23/2021	1.17
	9/24/2021	3.25
	11/19/2021	16.82
	2/21/2022	3.04
	6/15/2022	10.56
8/24/2022	15.3	
11/15/2022	19.8	
MW-02	2/25/2021	8.84
	4/10/2021	9.17
	4/25/2021	12.03
	5/3/2021	2.42
	5/24/2021	2.7
	6/7/2021	1.82
	6/28/2021	3.15
	7/12/2021	4.23
	8/2/2021	3.11
	8/23/2021	1.37
	9/24/2021	4.63
	11/19/2021	2.1
	2/21/2022	0.45
	6/15/2022	2.69
8/24/2022	8.71	
11/15/2022	8.21	
MW-03	3/1/2021	0.0
	4/10/2021	1.45
	4/25/2021	3.41
	5/3/2021	1.61
	5/24/2021	2.06
	6/8/2021	2.34
	6/28/2021	2.69
	7/12/2021	4.07
	8/2/2021	1.98
	8/24/2021	5.1
	9/24/2021	4.18
	11/19/2021	0.47
	2/24/2022	-1.1
	6/16/2022	1.7
8/24/2022	6.4	
11/15/2022	9.71	
MW-04	2/22/2021	9.87
	4/10/2021	42.2
	4/25/2021	7.41
	5/3/2021	4.2
	5/24/2021	4.45
	6/8/2021	2.8
	6/28/2021	12.93
	7/12/2021	3.93
	8/2/2021	3.75
	8/24/2021	10.1
	9/24/2021	5.74
	11/19/2021	15.15
	2/24/2022	2.04
	6/16/2022	3.13
8/24/2022	4.7	
11/15/2022	14.2	
MW-07	3/1/2021	6.11
	4/10/2021	6.19
	4/25/2021	6.98
	5/4/2021	37.65
	5/24/2021	2.54
	6/7/2021	6.21
	6/25/2021	6.02
	7/12/2021	5.13
	8/2/2021	2.45
	8/25/2021	7.7
	9/24/2021	4.13
	11/19/2021	7.35
	2/22/2022	-0.02
	6/15/2022	5.58
8/25/2022	2.27	
11/15/2022	41.3	



Table 2. Groundwater Turbidity - Ponds 1N and 1S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-08	3/1/2021	2.3
	4/10/2021	270.98
	4/25/2021	26.73
	5/4/2021	6.6
	5/28/2021	6.51
	6/7/2021	4.58
	6/28/2021	5.67
	7/12/2021	6.71
	8/2/2021	14.15
	8/25/2021	8.9
	9/24/2021	7.21
	11/19/2021	2.34
	2/24/2022	40.05
	6/15/2022	5.01
8/25/2022	9.02	
11/17/2022	13.9	
MW-09	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0.0
	8/25/2021	19.9
	9/24/2021	3.67
	11/23/2021	19.07
	2/22/2022	0.59
	6/15/2022	113.77
	8/25/2022	1.93
11/16/2022	11.73	
MW-13	5/4/2021	20.6
	5/25/2021	9.8
	6/7/2021	6.49
	6/28/2021	8.25
	7/12/2021	5.89
	8/2/2021	2.91
	8/26/2021	12.9
	9/24/2021	9.13
	11/23/2021	17.83
	2/23/2022	34.33
	6/14/2022	81.91
	8/23/2022	47.3
11/16/2022	77.2	
MW-14	5/4/2021	6.88
	5/25/2021	3.5
	6/7/2021	2.55
	6/28/2021	7.44
	7/12/2021	4.89
	8/2/2021	9.8
	8/25/2021	11.7
	9/24/2021	6.87
	11/19/2021	5.19
	2/23/2022	45.11
	6/14/2022	3.98
	8/23/2022	2.71
11/17/2022	2.8	
MW-15	5/4/2021	28.65
	5/25/2021	8.89
	6/7/2021	8.82
	6/28/2021	6.48
	7/12/2021	8.52
	8/2/2021	22.71
	8/25/2021	12.4
	9/24/2021	11.44
	11/19/2021	10.83
	2/22/2022	17.05
	6/14/2022	11.83
	8/23/2022	33.2
11/17/2022	148.2	

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Mitchel Dolan  
KPRG and Associates, Inc.  
414 Plaza Drive Suite 106  
Westmont, Illinois 60559

Generated 12/19/2022 12:28:42 PM

**JOB DESCRIPTION**

Will County CCR

**JOB NUMBER**

500-225636-1

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

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

## Authorization



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# Case Narrative

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

Job ID: 500-225636-1

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**Job ID: 500-225636-1**

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**Laboratory: Eurofins Chicago**

## Narrative

**Job Narrative  
500-225636-1**

### Comments

No additional comments.

### Receipt

The samples were received on 11/17/2022 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.4° C, 0.6° C, 1.0° C, 1.4° C and 1.8° C.

### Metals

Method 6020A: The low level continuing calibration verification (CCVL) associated with batch 500-689114 recovered above the upper control limit for Beryllium. The samples associated with this CCV were non-detects for the affected analytes; 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

Method 300.0: The following sample was analyzed outside of analytical holding time due to analyst error: 1N/1S Duplicate (500-225636-11). This is a duplicate sample and the original sample was analyzed within holding time.

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



# Detection Summary

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

Job ID: 500-225636-1

## Client Sample ID: MW-01

## Lab Sample ID: 500-225636-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.097		0.0025		mg/L	1		6020A	Total Recoverable
Boron	2.9		0.25		mg/L	5		6020A	Total Recoverable
Cadmium	0.00052		0.00050		mg/L	1		6020A	Total Recoverable
Calcium	190		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0010		0.0010		mg/L	1		6020A	Total Recoverable
Lead	0.00057		0.00050		mg/L	1		6020A	Total Recoverable
Lithium	0.039		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.014		0.0050		mg/L	1		6020A	Total Recoverable
Selenium	0.0085		0.0025		mg/L	1		6020A	Total Recoverable
Fluoride	1.0		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA
Chloride	22		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	360		50		mg/L	10		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-02

## Lab Sample ID: 500-225636-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.017		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.069		0.0025		mg/L	1		6020A	Total Recoverable
Boron	6.5		1.0		mg/L	20		6020A	Total Recoverable
Calcium	99		0.20		mg/L	1		6020A	Total Recoverable
Lead	0.00052		0.00050		mg/L	1		6020A	Total Recoverable
Lithium	0.047		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.076		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.64		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1000		10		mg/L	1		SM 2540C	Total/NA
Chloride	27		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	530		100		mg/L	20		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-03

## Lab Sample ID: 500-225636-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0039		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.095		0.0025		mg/L	1		6020A	Total Recoverable
Boron	3.5		0.50		mg/L	10		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 500-225636-1

## Client Sample ID: MW-03 (Continued)

## Lab Sample ID: 500-225636-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	140		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0012		0.0010		mg/L	1		6020A	Total Recoverable
Lead	0.00063		0.00050		mg/L	1		6020A	Total Recoverable
Lithium	0.037		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.021		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.64	F1	0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	990		10		mg/L	1		SM 2540C	Total/NA
Chloride	43		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	360		50		mg/L	10		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-04

## Lab Sample ID: 500-225636-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.011		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.047		0.0025		mg/L	1		6020A	Total Recoverable
Boron	5.6		1.0		mg/L	20		6020A	Total Recoverable
Calcium	290		4.0		mg/L	20		6020A	Total Recoverable
Cobalt	0.0032		0.0010		mg/L	1		6020A	Total Recoverable
Lithium	0.020		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.021		0.0050		mg/L	1		6020A	Total Recoverable
Selenium	0.0061		0.0025		mg/L	1		6020A	Total Recoverable
Fluoride	0.64		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1700		10		mg/L	1		SM 2540C	Total/NA
Chloride	19		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	770		250		mg/L	50		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-07

## Lab Sample ID: 500-225636-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0032		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.044		0.0025		mg/L	1		6020A	Total Recoverable
Boron	3.0		0.50		mg/L	10		6020A	Total Recoverable
Calcium	59		0.20		mg/L	1		6020A	Total Recoverable
Lithium	0.017		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.087		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	1.0		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1000		10		mg/L	1		SM 2540C	Total/NA
Chloride	140		20		mg/L	10		SM 4500 Cl- E	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 500-225636-1

## Client Sample ID: MW-07 (Continued)

## Lab Sample ID: 500-225636-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	440		100		mg/L	20		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-08

## Lab Sample ID: 500-225636-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.014		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.061		0.0025		mg/L	1		6020A	Total Recoverable
Boron	3.5		0.50		mg/L	10		6020A	Total Recoverable
Calcium	110		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0016		0.0010		mg/L	1		6020A	Total Recoverable
Lithium	0.021		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.11		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.63		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA
Chloride	120		20		mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	500		100		mg/L	20		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-09

## Lab Sample ID: 500-225636-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0093		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.037		0.0025		mg/L	1		6020A	Total Recoverable
Boron	2.4		0.25		mg/L	5		6020A	Total Recoverable
Calcium	37		0.20		mg/L	1		6020A	Total Recoverable
Lead	0.00073		0.00050		mg/L	1		6020A	Total Recoverable
Molybdenum	0.068		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.76		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	750		10		mg/L	1		SM 2540C	Total/NA
Chloride	200		20		mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	180		50		mg/L	10		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-13

## Lab Sample ID: 500-225636-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0015		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.10		0.0025		mg/L	1		6020A	Total Recoverable
Boron	1.6		0.25		mg/L	5		6020A	Total Recoverable
Calcium	140		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0011		0.0010		mg/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 500-225636-1

## Client Sample ID: MW-13 (Continued)

## Lab Sample ID: 500-225636-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.0013		0.00050		mg/L	1		6020A	Total Recoverable
Molybdenum	0.017		0.0050		mg/L	1		6020A	Total Recoverable
Selenium	0.0054		0.0025		mg/L	1		6020A	Total Recoverable
Fluoride	0.46		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	920		10		mg/L	1		SM 2540C	Total/NA
Chloride	160		20		mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	400		50		mg/L	10		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-14

## Lab Sample ID: 500-225636-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0024		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.11		0.0025		mg/L	1		6020A	Total Recoverable
Boron	3.1		0.50		mg/L	10		6020A	Total Recoverable
Calcium	83		0.20		mg/L	1		6020A	Total Recoverable
Lithium	0.021		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.073		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.85		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	970		10		mg/L	1		SM 2540C	Total/NA
Chloride	120		20		mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	570		100		mg/L	20		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-15

## Lab Sample ID: 500-225636-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0038		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.098		0.0025		mg/L	1		6020A	Total Recoverable
Boron	4.1		0.50		mg/L	10		6020A	Total Recoverable
Calcium	170		0.20		mg/L	1		6020A	Total Recoverable
Lithium	0.020		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.030		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.57		0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA
Chloride	120		20		mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	480		250		mg/L	50		SM 4500 SO4 E	Total/NA

## Client Sample ID: 1N/1S Duplicate

## Lab Sample ID: 500-225636-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.016		0.0010		mg/L	1		6020A	Total Recoverable

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 500-225636-1

**Client Sample ID: 1N/1S Duplicate (Continued)**

**Lab Sample ID: 500-225636-11**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.064		0.0025		mg/L	1		6020A	Total Recoverable
Boron	5.7		1.0		mg/L	20		6020A	Total Recoverable
Calcium	98		0.20		mg/L	1		6020A	Total Recoverable
Lithium	0.044		0.010		mg/L	1		6020A	Total Recoverable
Molybdenum	0.074		0.0050		mg/L	1		6020A	Total Recoverable
Fluoride	0.86	H	0.20		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1000		10		mg/L	1		SM 2540C	Total/NA
Chloride	27		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	310		100		mg/L	20		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

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# Method Summary

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

Job ID: 500-225636-1

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

#### Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.  
SM = "Standard Methods For The Examination Of Water And Wastewater"  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

# Sample Summary

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

Job ID: 500-225636-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225636-1	MW-01	Water	11/15/22 11:27	11/17/22 15:20
500-225636-2	MW-02	Water	11/15/22 12:18	11/17/22 15:20
500-225636-3	MW-03	Water	11/15/22 13:20	11/17/22 15:20
500-225636-4	MW-04	Water	11/15/22 14:00	11/17/22 15:20
500-225636-5	MW-07	Water	11/15/22 15:48	11/17/22 15:20
500-225636-6	MW-08	Water	11/17/22 09:57	11/17/22 15:20
500-225636-7	MW-09	Water	11/16/22 14:39	11/17/22 15:20
500-225636-8	MW-13	Water	11/16/22 15:55	11/17/22 15:20
500-225636-9	MW-14	Water	11/17/22 10:50	11/17/22 15:20
500-225636-10	MW-15	Water	11/17/22 12:33	11/17/22 15:20
500-225636-11	1N/1S Duplicate	Water	11/15/22 00:00	11/17/22 15:20

- 1
- 2
- 3
- 4
- 5
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- 11
- 12
- 13
- 14

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-01**  
Date Collected: 11/15/22 11:27  
Date Received: 11/17/22 15:20

**Lab Sample ID: 500-225636-1**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Arsenic</b>	<b>0.0011</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Barium</b>	<b>0.097</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:08	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Boron</b>	<b>2.9</b>		0.25		mg/L		12/06/22 08:47	12/10/22 17:51	5
<b>Cadmium</b>	<b>0.00052</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Calcium</b>	<b>190</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:08	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Cobalt</b>	<b>0.0010</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Lead</b>	<b>0.00057</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Lithium</b>	<b>0.039</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:40	1
<b>Molybdenum</b>	<b>0.014</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:08	1
<b>Selenium</b>	<b>0.0085</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:08	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:08	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>1.0</b>		0.20		mg/L			12/09/22 15:52	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1100</b>		10		mg/L			11/18/22 05:59	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>22</b>		2.0		mg/L			12/06/22 09:29	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>360</b>		50		mg/L			11/29/22 11:42	10

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-02**  
**Date Collected: 11/15/22 12:18**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Arsenic</b>	<b>0.017</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Barium</b>	<b>0.069</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:12	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Boron</b>	<b>6.5</b>		1.0		mg/L		12/06/22 08:47	12/10/22 17:55	20
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Calcium</b>	<b>99</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:12	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:12	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Lead</b>	<b>0.00052</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:12	1
<b>Lithium</b>	<b>0.047</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:43	1
<b>Molybdenum</b>	<b>0.076</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:12	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:12	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:12	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.64</b>		0.20		mg/L			12/09/22 16:31	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1000</b>		10		mg/L			11/18/22 06:01	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>27</b>		2.0		mg/L			12/06/22 09:29	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>530</b>		100		mg/L			11/29/22 11:43	20

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-03**

**Lab Sample ID: 500-225636-3**

Date Collected: 11/15/22 13:20

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Arsenic</b>	<b>0.0039</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Barium</b>	<b>0.095</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:22	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Boron</b>	<b>3.5</b>		0.50		mg/L		12/06/22 08:47	12/10/22 17:58	10
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:22	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Cobalt</b>	<b>0.0012</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Lead</b>	<b>0.00063</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:22	1
<b>Lithium</b>	<b>0.037</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:46	1
<b>Molybdenum</b>	<b>0.021</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:22	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:22	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:22	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:52	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.64</b>	<b>F1</b>	0.20		mg/L			12/09/22 17:09	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>990</b>		10		mg/L			11/18/22 06:04	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>43</b>		2.0		mg/L			12/06/22 09:29	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>360</b>		50		mg/L			11/29/22 11:43	10

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-04**

**Lab Sample ID: 500-225636-4**

**Date Collected: 11/15/22 14:00**

**Matrix: Water**

**Date Received: 11/17/22 15:20**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Arsenic</b>	<b>0.011</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Barium</b>	<b>0.047</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:26	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Boron</b>	<b>5.6</b>		1.0		mg/L		12/06/22 08:47	12/10/22 18:02	20
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Calcium</b>	<b>290</b>		4.0		mg/L		12/06/22 08:47	12/10/22 18:02	20
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Cobalt</b>	<b>0.0032</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:26	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Lithium</b>	<b>0.020</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:50	1
<b>Molybdenum</b>	<b>0.021</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:26	1
<b>Selenium</b>	<b>0.0061</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:26	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:26	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.64</b>		0.20		mg/L			12/09/22 18:12	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1700</b>		10		mg/L			11/18/22 06:06	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>19</b>		2.0		mg/L			12/06/22 09:30	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>770</b>		250		mg/L			11/29/22 11:19	50



# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-07**

**Lab Sample ID: 500-225636-5**

Date Collected: 11/15/22 15:48

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:29	1
<b>Arsenic</b>	<b>0.0032</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:29	1
<b>Barium</b>	<b>0.044</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:29	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:29	1
<b>Boron</b>	<b>3.0</b>		0.50		mg/L		12/06/22 08:47	12/10/22 18:05	10
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:29	1
<b>Calcium</b>	<b>59</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:29	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:29	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:29	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:29	1
<b>Lithium</b>	<b>0.017</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:53	1
<b>Molybdenum</b>	<b>0.087</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:29	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:29	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:29	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>1.0</b>		0.20		mg/L			12/09/22 18:25	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1000</b>		10		mg/L			11/18/22 06:09	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>140</b>		20		mg/L			12/06/22 09:30	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>440</b>		100		mg/L			11/29/22 11:20	20

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-08**

**Lab Sample ID: 500-225636-6**

Date Collected: 11/17/22 09:57

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Arsenic</b>	<b>0.014</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Barium</b>	<b>0.061</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:33	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Boron</b>	<b>3.5</b>		0.50		mg/L		12/06/22 08:47	12/10/22 18:09	10
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Calcium</b>	<b>110</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:33	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Cobalt</b>	<b>0.0016</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:33	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:33	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		12/06/22 08:47	12/09/22 20:57	1
<b>Molybdenum</b>	<b>0.11</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:33	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:33	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:33	1

## Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:58	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.63</b>		0.20		mg/L			12/09/22 19:03	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1100</b>		10		mg/L			11/22/22 05:07	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		20		mg/L			12/06/22 09:31	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>500</b>		100		mg/L			11/29/22 11:20	20

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-09**

**Lab Sample ID: 500-225636-7**

Date Collected: 11/16/22 14:39

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:36	1
<b>Arsenic</b>	<b>0.0093</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:36	1
<b>Barium</b>	<b>0.037</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:36	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:36	1
<b>Boron</b>	<b>2.4</b>		0.25		mg/L		12/06/22 08:47	12/10/22 18:12	5
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:36	1
<b>Calcium</b>	<b>37</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:36	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:36	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:36	1
<b>Lead</b>	<b>0.00073</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:36	1
Lithium	<0.010		0.010		mg/L		12/06/22 08:47	12/09/22 21:00	1
<b>Molybdenum</b>	<b>0.068</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:36	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:36	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:36	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 08:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.76</b>		0.20		mg/L			12/09/22 19:15	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>750</b>		10		mg/L			11/21/22 05:02	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>200</b>		20		mg/L			12/06/22 09:31	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>180</b>		50		mg/L			11/29/22 11:20	10

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-13**

**Lab Sample ID: 500-225636-8**

Date Collected: 11/16/22 15:55

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Arsenic</b>	<b>0.0015</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Barium</b>	<b>0.10</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:40	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Boron</b>	<b>1.6</b>		0.25		mg/L		12/06/22 08:47	12/10/22 18:16	5
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:40	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Cobalt</b>	<b>0.0011</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Lead</b>	<b>0.0013</b>		0.00050		mg/L		12/06/22 08:47	12/06/22 20:40	1
Lithium	<0.010		0.010		mg/L		12/06/22 08:47	12/09/22 21:04	1
<b>Molybdenum</b>	<b>0.017</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:40	1
<b>Selenium</b>	<b>0.0054</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:40	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:40	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 08:09	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.46</b>		0.20		mg/L			12/09/22 19:28	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>920</b>		10		mg/L			11/21/22 05:05	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>160</b>		20		mg/L			12/06/22 09:31	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>400</b>		50		mg/L			11/29/22 11:20	10

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-14**  
**Date Collected: 11/17/22 10:50**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-9**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:43	1
<b>Arsenic</b>	<b>0.0024</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:43	1
<b>Barium</b>	<b>0.11</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:43	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:43	1
<b>Boron</b>	<b>3.1</b>		0.50		mg/L		12/06/22 08:47	12/10/22 18:26	10
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:43	1
<b>Calcium</b>	<b>83</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:43	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:43	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:43	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:43	1
<b>Lithium</b>	<b>0.021</b>		0.010		mg/L		12/06/22 08:47	12/09/22 21:15	1
<b>Molybdenum</b>	<b>0.073</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:43	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:43	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:43	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 08:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.85</b>		0.20		mg/L			12/09/22 19:41	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>970</b>		10		mg/L			11/22/22 05:09	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		20		mg/L			12/06/22 09:48	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>570</b>		100		mg/L			11/29/22 11:21	20

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: MW-15**

**Lab Sample ID: 500-225636-10**

Date Collected: 11/17/22 12:33

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:47	1
<b>Arsenic</b>	<b>0.0038</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:47	1
<b>Barium</b>	<b>0.098</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:47	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:47	1
<b>Boron</b>	<b>4.1</b>		0.50		mg/L		12/06/22 08:47	12/10/22 18:30	10
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:47	1
<b>Calcium</b>	<b>170</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:47	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:47	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:47	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:47	1
<b>Lithium</b>	<b>0.020</b>		0.010		mg/L		12/06/22 08:47	12/09/22 21:18	1
<b>Molybdenum</b>	<b>0.030</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:47	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:47	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:47	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 08:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.57</b>		0.20		mg/L			12/09/22 19:53	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1200</b>		10		mg/L			11/22/22 05:12	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		20		mg/L			12/06/22 09:49	10
<b>Sulfate (SM 4500 SO4 E)</b>	<b>480</b>		250		mg/L			11/29/22 11:21	50

# Client Sample Results

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

Job ID: 500-225636-1

**Client Sample ID: 1N/1S Duplicate**

**Lab Sample ID: 500-225636-11**

Date Collected: 11/15/22 00:00

Matrix: Water

Date Received: 11/17/22 15:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 20:50	1
<b>Arsenic</b>	<b>0.016</b>		0.0010		mg/L		12/06/22 08:47	12/06/22 20:50	1
<b>Barium</b>	<b>0.064</b>		0.0025		mg/L		12/06/22 08:47	12/06/22 20:50	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 20:50	1
<b>Boron</b>	<b>5.7</b>		1.0		mg/L		12/06/22 08:47	12/10/22 18:33	20
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:50	1
<b>Calcium</b>	<b>98</b>		0.20		mg/L		12/06/22 08:47	12/06/22 20:50	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 20:50	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 20:50	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 20:50	1
<b>Lithium</b>	<b>0.044</b>		0.010		mg/L		12/06/22 08:47	12/09/22 21:22	1
<b>Molybdenum</b>	<b>0.074</b>		0.0050		mg/L		12/06/22 08:47	12/06/22 20:50	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 20:50	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 20:50	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 08:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Fluoride (MCAWW 300.0)</b>	<b>0.86</b>	<b>H</b>	0.20		mg/L			12/14/22 18:38	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1000</b>		10		mg/L			11/18/22 06:12	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>27</b>		2.0		mg/L			12/06/22 09:50	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>310</b>		100		mg/L			11/29/22 11:44	20

# Definitions/Glossary

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

Job ID: 500-225636-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

### General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time

## 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

Job ID: 500-225636-1

## Metals

### Prep Batch: 687081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	7470A	
500-225636-2	MW-02	Total/NA	Water	7470A	
500-225636-3	MW-03	Total/NA	Water	7470A	
500-225636-4	MW-04	Total/NA	Water	7470A	
500-225636-5	MW-07	Total/NA	Water	7470A	
500-225636-6	MW-08	Total/NA	Water	7470A	
500-225636-7	MW-09	Total/NA	Water	7470A	
500-225636-8	MW-13	Total/NA	Water	7470A	
500-225636-9	MW-14	Total/NA	Water	7470A	
500-225636-10	MW-15	Total/NA	Water	7470A	
500-225636-11	1N/1S Duplicate	Total/NA	Water	7470A	
MB 500-687081/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-687081/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-225636-7 MS	MW-09	Total/NA	Water	7470A	
500-225636-7 MSD	MW-09	Total/NA	Water	7470A	
500-225636-7 DU	MW-09	Total/NA	Water	7470A	

### Analysis Batch: 687321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	7470A	687081
500-225636-2	MW-02	Total/NA	Water	7470A	687081
500-225636-3	MW-03	Total/NA	Water	7470A	687081
500-225636-4	MW-04	Total/NA	Water	7470A	687081
500-225636-5	MW-07	Total/NA	Water	7470A	687081
500-225636-6	MW-08	Total/NA	Water	7470A	687081
500-225636-7	MW-09	Total/NA	Water	7470A	687081
500-225636-8	MW-13	Total/NA	Water	7470A	687081
500-225636-9	MW-14	Total/NA	Water	7470A	687081
500-225636-10	MW-15	Total/NA	Water	7470A	687081
500-225636-11	1N/1S Duplicate	Total/NA	Water	7470A	687081
MB 500-687081/12-A	Method Blank	Total/NA	Water	7470A	687081
LCS 500-687081/13-A	Lab Control Sample	Total/NA	Water	7470A	687081
500-225636-7 MS	MW-09	Total/NA	Water	7470A	687081
500-225636-7 MSD	MW-09	Total/NA	Water	7470A	687081
500-225636-7 DU	MW-09	Total/NA	Water	7470A	687081

### Prep Batch: 688396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total Recoverable	Water	3005A	
500-225636-2	MW-02	Total Recoverable	Water	3005A	
500-225636-3	MW-03	Total Recoverable	Water	3005A	
500-225636-4	MW-04	Total Recoverable	Water	3005A	
500-225636-5	MW-07	Total Recoverable	Water	3005A	
500-225636-6	MW-08	Total Recoverable	Water	3005A	
500-225636-7	MW-09	Total Recoverable	Water	3005A	
500-225636-8	MW-13	Total Recoverable	Water	3005A	
500-225636-9	MW-14	Total Recoverable	Water	3005A	
500-225636-10	MW-15	Total Recoverable	Water	3005A	
500-225636-11	1N/1S Duplicate	Total Recoverable	Water	3005A	
MB 500-688396/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-688396/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

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# QC Association Summary

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

Job ID: 500-225636-1

## Metals

### Analysis Batch: 689114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total Recoverable	Water	6020A	688396
500-225636-2	MW-02	Total Recoverable	Water	6020A	688396
500-225636-3	MW-03	Total Recoverable	Water	6020A	688396
500-225636-4	MW-04	Total Recoverable	Water	6020A	688396
500-225636-5	MW-07	Total Recoverable	Water	6020A	688396
500-225636-6	MW-08	Total Recoverable	Water	6020A	688396
500-225636-7	MW-09	Total Recoverable	Water	6020A	688396
500-225636-8	MW-13	Total Recoverable	Water	6020A	688396
500-225636-9	MW-14	Total Recoverable	Water	6020A	688396
500-225636-10	MW-15	Total Recoverable	Water	6020A	688396
500-225636-11	1N/1S Duplicate	Total Recoverable	Water	6020A	688396
MB 500-688396/1-A	Method Blank	Total Recoverable	Water	6020A	688396
LCS 500-688396/2-A	Lab Control Sample	Total Recoverable	Water	6020A	688396

### Analysis Batch: 689195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total Recoverable	Water	6020A	688396
500-225636-2	MW-02	Total Recoverable	Water	6020A	688396
500-225636-3	MW-03	Total Recoverable	Water	6020A	688396
500-225636-4	MW-04	Total Recoverable	Water	6020A	688396
500-225636-5	MW-07	Total Recoverable	Water	6020A	688396
500-225636-6	MW-08	Total Recoverable	Water	6020A	688396
500-225636-7	MW-09	Total Recoverable	Water	6020A	688396
500-225636-8	MW-13	Total Recoverable	Water	6020A	688396
500-225636-9	MW-14	Total Recoverable	Water	6020A	688396
500-225636-10	MW-15	Total Recoverable	Water	6020A	688396
500-225636-11	1N/1S Duplicate	Total Recoverable	Water	6020A	688396
MB 500-688396/1-A	Method Blank	Total Recoverable	Water	6020A	688396
LCS 500-688396/2-A	Lab Control Sample	Total Recoverable	Water	6020A	688396

### Analysis Batch: 689345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total Recoverable	Water	6020A	688396
500-225636-2	MW-02	Total Recoverable	Water	6020A	688396
500-225636-3	MW-03	Total Recoverable	Water	6020A	688396
500-225636-4	MW-04	Total Recoverable	Water	6020A	688396
500-225636-5	MW-07	Total Recoverable	Water	6020A	688396
500-225636-6	MW-08	Total Recoverable	Water	6020A	688396
500-225636-7	MW-09	Total Recoverable	Water	6020A	688396
500-225636-8	MW-13	Total Recoverable	Water	6020A	688396
500-225636-9	MW-14	Total Recoverable	Water	6020A	688396
500-225636-10	MW-15	Total Recoverable	Water	6020A	688396
500-225636-11	1N/1S Duplicate	Total Recoverable	Water	6020A	688396
MB 500-688396/1-A	Method Blank	Total Recoverable	Water	6020A	688396
LCS 500-688396/2-A	Lab Control Sample	Total Recoverable	Water	6020A	688396

## General Chemistry

### Analysis Batch: 685755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	SM 2540C	

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# QC Association Summary

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

Job ID: 500-225636-1

## General Chemistry (Continued)

### Analysis Batch: 685755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-2	MW-02	Total/NA	Water	SM 2540C	
500-225636-3	MW-03	Total/NA	Water	SM 2540C	
500-225636-4	MW-04	Total/NA	Water	SM 2540C	
500-225636-5	MW-07	Total/NA	Water	SM 2540C	
500-225636-11	1N/1S Duplicate	Total/NA	Water	SM 2540C	
MB 500-685755/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-685755/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 686167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-7	MW-09	Total/NA	Water	SM 2540C	
500-225636-8	MW-13	Total/NA	Water	SM 2540C	
MB 500-686167/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-686167/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 686399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-6	MW-08	Total/NA	Water	SM 2540C	
500-225636-9	MW-14	Total/NA	Water	SM 2540C	
500-225636-10	MW-15	Total/NA	Water	SM 2540C	
MB 500-686399/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-686399/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 687313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-225636-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-225636-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-225636-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-225636-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-225636-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-225636-7	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-225636-8	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-225636-9	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-225636-10	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-225636-11	1N/1S Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-687313/181	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-687313/182	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 688458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-225636-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-225636-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-225636-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-225636-5	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-225636-6	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-225636-7	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-225636-8	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-225636-9	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-225636-10	MW-15	Total/NA	Water	SM 4500 Cl- E	

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# QC Association Summary

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

Job ID: 500-225636-1

## General Chemistry (Continued)

### Analysis Batch: 688458 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-11	1N/1S Duplicate	Total/NA	Water	SM 4500 CI- E	
MB 500-688458/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
MB 500-688458/48	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-688458/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
LCS 500-688458/49	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-225636-9 MS	MW-14	Total/NA	Water	SM 4500 CI- E	
500-225636-9 MSD	MW-14	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 689188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	300.0	
500-225636-2	MW-02	Total/NA	Water	300.0	
500-225636-3	MW-03	Total/NA	Water	300.0	
500-225636-4	MW-04	Total/NA	Water	300.0	
500-225636-5	MW-07	Total/NA	Water	300.0	
500-225636-6	MW-08	Total/NA	Water	300.0	
500-225636-7	MW-09	Total/NA	Water	300.0	
500-225636-8	MW-13	Total/NA	Water	300.0	
500-225636-9	MW-14	Total/NA	Water	300.0	
500-225636-10	MW-15	Total/NA	Water	300.0	
MB 500-689188/11	Method Blank	Total/NA	Water	300.0	
MB 500-689188/33	Method Blank	Total/NA	Water	300.0	
LCS 500-689188/12	Lab Control Sample	Total/NA	Water	300.0	
LCS 500-689188/34	Lab Control Sample	Total/NA	Water	300.0	
500-225636-2 MS	MW-02	Total/NA	Water	300.0	
500-225636-2 MSD	MW-02	Total/NA	Water	300.0	
500-225636-3 MS	MW-03	Total/NA	Water	300.0	
500-225636-3 MSD	MW-03	Total/NA	Water	300.0	

### Analysis Batch: 689941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-11	1N/1S Duplicate	Total/NA	Water	300.0	
MB 500-689941/11	Method Blank	Total/NA	Water	300.0	
LCS 500-689941/12	Lab Control Sample	Total/NA	Water	300.0	

# QC Sample Results

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

Job ID: 500-225636-1

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

**Lab Sample ID: MB 500-688396/1-A**  
**Matrix: Water**  
**Analysis Batch: 689114**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		12/06/22 08:47	12/06/22 19:40	1
Arsenic	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 19:40	1
Barium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 19:40	1
Beryllium	<0.0010	^+	0.0010		mg/L		12/06/22 08:47	12/06/22 19:40	1
Cadmium	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 19:40	1
Calcium	<0.20		0.20		mg/L		12/06/22 08:47	12/06/22 19:40	1
Chromium	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 19:40	1
Cobalt	<0.0010		0.0010		mg/L		12/06/22 08:47	12/06/22 19:40	1
Lead	<0.00050		0.00050		mg/L		12/06/22 08:47	12/06/22 19:40	1
Molybdenum	<0.0050		0.0050		mg/L		12/06/22 08:47	12/06/22 19:40	1
Selenium	<0.0025		0.0025		mg/L		12/06/22 08:47	12/06/22 19:40	1
Thallium	<0.0020		0.0020		mg/L		12/06/22 08:47	12/06/22 19:40	1

**Lab Sample ID: MB 500-688396/1-A**  
**Matrix: Water**  
**Analysis Batch: 689195**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lithium	<0.010		0.010		mg/L		12/06/22 08:47	12/09/22 20:33	1

**Lab Sample ID: MB 500-688396/1-A**  
**Matrix: Water**  
**Analysis Batch: 689345**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		12/06/22 08:47	12/10/22 17:45	1

**Lab Sample ID: LCS 500-688396/2-A**  
**Matrix: Water**  
**Analysis Batch: 689114**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Antimony	0.500	0.508		mg/L		102	80 - 120
Arsenic	0.100	0.0953		mg/L		95	80 - 120
Barium	2.00	2.06		mg/L		103	80 - 120
Beryllium	0.0500	0.0502	^+	mg/L		100	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Calcium	10.0	10.0		mg/L		100	80 - 120
Chromium	0.200	0.207		mg/L		103	80 - 120
Cobalt	0.500	0.532		mg/L		106	80 - 120
Lead	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	0.959		mg/L		96	80 - 120
Selenium	0.100	0.0920		mg/L		92	80 - 120
Thallium	0.100	0.111		mg/L		111	80 - 120

# QC Sample Results

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

Job ID: 500-225636-1

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

**Lab Sample ID: LCS 500-688396/2-A**  
**Matrix: Water**  
**Analysis Batch: 689195**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.492		mg/L		98	80 - 120

**Lab Sample ID: LCS 500-688396/2-A**  
**Matrix: Water**  
**Analysis Batch: 689345**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 688396**

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

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 500-687081/12-A**  
**Matrix: Water**  
**Analysis Batch: 687321**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 687081**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/28/22 12:00	11/29/22 07:32	1

**Lab Sample ID: LCS 500-687081/13-A**  
**Matrix: Water**  
**Analysis Batch: 687321**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 687081**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00198	0.00193		mg/L		97	80 - 120

**Lab Sample ID: 500-225636-7 MS**  
**Matrix: Water**  
**Analysis Batch: 687321**

**Client Sample ID: MW-09**  
**Prep Type: Total/NA**  
**Prep Batch: 687081**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000987		mg/L		99	75 - 125

**Lab Sample ID: 500-225636-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 687321**

**Client Sample ID: MW-09**  
**Prep Type: Total/NA**  
**Prep Batch: 687081**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000962		mg/L		96	75 - 125	3	20

**Lab Sample ID: 500-225636-7 DU**  
**Matrix: Water**  
**Analysis Batch: 687321**

**Client Sample ID: MW-09**  
**Prep Type: Total/NA**  
**Prep Batch: 687081**

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

# QC Sample Results

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

Job ID: 500-225636-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 500-689188/11**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.20		0.20		mg/L			12/09/22 11:22	1

**Lab Sample ID: MB 500-689188/33**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.20		0.20		mg/L			12/09/22 17:47	1

**Lab Sample ID: LCS 500-689188/12**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.07		mg/L		107	90 - 110

**Lab Sample ID: LCS 500-689188/34**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.10		mg/L		110	90 - 110

**Lab Sample ID: 500-225636-2 MS**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.64		0.600	1.30		mg/L		110	80 - 120

**Lab Sample ID: 500-225636-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.64		0.600	1.30		mg/L		110	80 - 120	0	20

**Lab Sample ID: 500-225636-3 MS**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.64	F1	0.600	1.15		mg/L		84	80 - 120

**Lab Sample ID: 500-225636-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 689188**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.64	F1	0.600	1.37	F1	mg/L		122	80 - 120	18	20

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# QC Sample Results

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

Job ID: 500-225636-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 500-689941/11**  
**Matrix: Water**  
**Analysis Batch: 689941**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.20		0.20		mg/L			12/14/22 15:53	1

**Lab Sample ID: LCS 500-689941/12**  
**Matrix: Water**  
**Analysis Batch: 689941**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.05		mg/L		105	90 - 110

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

**Lab Sample ID: MB 500-685755/1**  
**Matrix: Water**  
**Analysis Batch: 685755**

**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			11/18/22 05:23	1

**Lab Sample ID: LCS 500-685755/2**  
**Matrix: Water**  
**Analysis Batch: 685755**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	272		mg/L		109	80 - 120

**Lab Sample ID: MB 500-686167/1**  
**Matrix: Water**  
**Analysis Batch: 686167**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/21/22 04:19	1

**Lab Sample ID: LCS 500-686167/2**  
**Matrix: Water**  
**Analysis Batch: 686167**

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

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

**Lab Sample ID: MB 500-686399/1**  
**Matrix: Water**  
**Analysis Batch: 686399**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/22/22 04:18	1



# QC Sample Results

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

Job ID: 500-225636-1

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

Lab Sample ID: LCS 500-686399/2  
Matrix: Water  
Analysis Batch: 686399

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	256		mg/L		102	80 - 120

## Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-688458/16  
Matrix: Water  
Analysis Batch: 688458

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			12/06/22 09:25	1

Lab Sample ID: MB 500-688458/48  
Matrix: Water  
Analysis Batch: 688458

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			12/06/22 09:48	1

Lab Sample ID: LCS 500-688458/17  
Matrix: Water  
Analysis Batch: 688458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.5		mg/L		102	85 - 115

Lab Sample ID: LCS 500-688458/49  
Matrix: Water  
Analysis Batch: 688458

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

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

Lab Sample ID: 500-225636-9 MS  
Matrix: Water  
Analysis Batch: 688458

Client Sample ID: MW-14  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		20.0	142	4	mg/L		84	75 - 125

Lab Sample ID: 500-225636-9 MSD  
Matrix: Water  
Analysis Batch: 688458

Client Sample ID: MW-14  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120		20.0	141	4	mg/L		79	75 - 125	1	20

# QC Sample Results

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

Job ID: 500-225636-1

## Method: SM 4500 SO4 E - Sulfate, Total

**Lab Sample ID: MB 500-687313/181**  
**Matrix: Water**  
**Analysis Batch: 687313**

**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			11/29/22 11:16	1

**Lab Sample ID: LCS 500-687313/182**  
**Matrix: Water**  
**Analysis Batch: 687313**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	22.7		mg/L		114	88 - 123

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

# Lab Chronicle

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

Job ID: 500-225636-1

**Client Sample ID: MW-01**  
**Date Collected: 11/15/22 11:27**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:08
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:40
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		5	689345	FXG	EET CHI	12/10/22 17:51
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:37
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 15:52
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 05:59
Total/NA	Analysis	SM 4500 CI- E		1	688458	LP	EET CHI	12/06/22 09:29
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 11:42

**Client Sample ID: MW-02**  
**Date Collected: 11/15/22 12:18**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:12
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:43
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		20	689345	FXG	EET CHI	12/10/22 17:55
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:50
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 16:31
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 06:01
Total/NA	Analysis	SM 4500 CI- E		1	688458	LP	EET CHI	12/06/22 09:29
Total/NA	Analysis	SM 4500 SO4 E		20	687313	LP	EET CHI	11/29/22 11:43

**Client Sample ID: MW-03**  
**Date Collected: 11/15/22 13:20**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:22
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:46
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	689345	FXG	EET CHI	12/10/22 17:58
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:52

Eurofins Chicago

# Lab Chronicle

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

Job ID: 500-225636-1

**Client Sample ID: MW-03**  
**Date Collected: 11/15/22 13:20**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 17:09
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 06:04
Total/NA	Analysis	SM 4500 CI- E		1	688458	LP	EET CHI	12/06/22 09:29
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 11:43

**Client Sample ID: MW-04**  
**Date Collected: 11/15/22 14:00**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:26
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:50
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		20	689345	FXG	EET CHI	12/10/22 18:02
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:54
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 18:12
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 06:06
Total/NA	Analysis	SM 4500 CI- E		1	688458	LP	EET CHI	12/06/22 09:30
Total/NA	Analysis	SM 4500 SO4 E		50	687313	LP	EET CHI	11/29/22 11:19

**Client Sample ID: MW-07**  
**Date Collected: 11/15/22 15:48**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:29
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:53
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	689345	FXG	EET CHI	12/10/22 18:05
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:56
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 18:25
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 06:09
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:30
Total/NA	Analysis	SM 4500 SO4 E		20	687313	LP	EET CHI	11/29/22 11:20

# Lab Chronicle

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

Job ID: 500-225636-1

**Client Sample ID: MW-08**  
**Date Collected: 11/17/22 09:57**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:33
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 20:57
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	689345	FXG	EET CHI	12/10/22 18:09
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 07:58
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 19:03
Total/NA	Analysis	SM 2540C		1	686399	CLB	EET CHI	11/22/22 05:07
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:31
Total/NA	Analysis	SM 4500 SO4 E		20	687313	LP	EET CHI	11/29/22 11:20

**Client Sample ID: MW-09**  
**Date Collected: 11/16/22 14:39**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:36
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 21:00
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		5	689345	FXG	EET CHI	12/10/22 18:12
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 08:00
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 19:15
Total/NA	Analysis	SM 2540C		1	686167	CLB	EET CHI	11/21/22 05:02
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:31
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 11:20

**Client Sample ID: MW-13**  
**Date Collected: 11/16/22 15:55**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:40
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 21:04
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		5	689345	FXG	EET CHI	12/10/22 18:16
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 08:09

Eurofins Chicago

# Lab Chronicle

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

Job ID: 500-225636-1

**Client Sample ID: MW-13**  
**Date Collected: 11/16/22 15:55**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 19:28
Total/NA	Analysis	SM 2540C		1	686167	CLB	EET CHI	11/21/22 05:05
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:31
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 11:20

**Client Sample ID: MW-14**  
**Date Collected: 11/17/22 10:50**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:43
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 21:15
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	689345	FXG	EET CHI	12/10/22 18:26
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 08:15
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 19:41
Total/NA	Analysis	SM 2540C		1	686399	CLB	EET CHI	11/22/22 05:09
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:48
Total/NA	Analysis	SM 4500 SO4 E		20	687313	LP	EET CHI	11/29/22 11:21

**Client Sample ID: MW-15**  
**Date Collected: 11/17/22 12:33**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:47
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 21:18
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		10	689345	FXG	EET CHI	12/10/22 18:30
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 08:17
Total/NA	Analysis	300.0		1	689188	RES	EET CHI	12/09/22 19:53
Total/NA	Analysis	SM 2540C		1	686399	CLB	EET CHI	11/22/22 05:12
Total/NA	Analysis	SM 4500 CI- E		10	688458	LP	EET CHI	12/06/22 09:49
Total/NA	Analysis	SM 4500 SO4 E		50	687313	LP	EET CHI	11/29/22 11:21

# Lab Chronicle

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

Job ID: 500-225636-1

**Client Sample ID: 1N/1S Duplicate**

**Lab Sample ID: 500-225636-11**

**Date Collected: 11/15/22 00:00**

**Matrix: Water**

**Date Received: 11/17/22 15:20**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689114	FXG	EET CHI	12/06/22 20:50
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		1	689195	FXG	EET CHI	12/09/22 21:22
Total Recoverable	Prep	3005A			688396	BDE	EET CHI	12/06/22 08:47 - 12/06/22 09:17 <sup>1</sup>
Total Recoverable	Analysis	6020A		20	689345	FXG	EET CHI	12/10/22 18:33
Total/NA	Prep	7470A			687081	MJG	EET CHI	11/28/22 12:00 - 11/28/22 14:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	687321	MJG	EET CHI	11/29/22 08:19
Total/NA	Analysis	300.0		1	689941	RES	EET CHI	12/14/22 18:38
Total/NA	Analysis	SM 2540C		1	685755	CLB	EET CHI	11/18/22 06:12
Total/NA	Analysis	SM 4500 Cl- E		1	688458	LP	EET CHI	12/06/22 09:50
Total/NA	Analysis	SM 4500 SO4 E		20	687313	LP	EET CHI	11/29/22 11:44

<sup>1</sup> Completion dates and times are reported or not reported per method requirements or individual lab discretion.

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 500-225636-1

## Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-23

- 1
- 2
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



**Eurofins Chicago**

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

**Chain of Custody Record**



<b>Client Information</b>		Sampler: <b>IAN JOHN HOWIESON</b>	Lab PM: Mockler Diana J	Carrier Tracking No(s)	COC No: 500 106661-45301 1							
Client Contact: Mitchel Dolan		Phone: <b>630-325-1300</b>	E Mail: Diana.Mockler@et.eurofins.com	State of Origin	Page: Page 1 of 1							
Company: KPRG and Associates Inc		PWSID		Job #: <b>500-225636</b>								
Address: 414 Plaza Drive Suite 106		Due Date Requested		<b>Analysis Requested</b>								
City: Westmont		TAT Requested (days)										
State/Zip: IL 60559		Compliance Project. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Phone: 500-225636 COC		PO #: 4502081393										
Email: mitcheld@kprginc.com		WO #		Preservation Codes								
Project Name: Will County 1N/1S Event Desc Quarterly GW Monitoring		Project #: 50011609		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 L EDA Y T zma Z other (specify)								
Site: Illinois		SSOW#		Other								
<b>Sample Identification</b>		Sample Date	ALL CT Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A-Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SMA4500_CI_E SMA4500_SO4_E	Total Number of containers	Special Instructions/Note
MW-01		11-15-22	11:27	G	Water	N	N	X	X	X	5	
MW-02		11-15-22	12:18	G	Water	N	N	X	X	X	5	
MW-03		11-15-22	13:20	G	Water	N	N	X	X	X	5	
MW-04		11-15-22	14:00	G	Water	N	N	X	X	X	5	
MW-07		11-15-22	15:48	G	Water	N	N	X	X	X	5	
MW-08		11-17-22	09:57	G	Water	N	N	X	X	X	5	
MW-09		11-16-22	14:39	G	Water	N	N	X	X	X	5	
MW 13		11-16-22	15:55	G	Water	N	N	X	X	X	5	
MW 14		11-17-22	10:50	G	Water	N	N	X	X	X	5	
MW 15		11-17-22	12:33	G	Water	N	N	X	X	X	5	
1N/1S Duplicate		11-15-22	—	G	Water	N	N	X	X	X	5	
<b>Possible Hazard Identification</b>						<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>						
<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>[Signature]</i>		Date/Time: 11-17-22 15:20		Company: KPRG		Received by: <i>[Signature]</i>		Date/Time: 11-17-22 1520		Company:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
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 (°C) and Other Remarks: <b>09-20-19-214 28718 1170615710</b>								

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# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225636-1

**Login Number: 225636**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4,1.4,1.8,0.6,1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mitchel Dolan  
KPRG and Associates, Inc.  
414 Plaza Drive Suite 106  
Westmont, Illinois 60559

Generated 12/22/2022 7:46:16 AM

## JOB DESCRIPTION

Will County CCR (RAD)

## JOB NUMBER

500-225636-2

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

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

## Authorization



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Authorized for release by  
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# Case Narrative

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

Job ID: 500-225636-2

**Job ID: 500-225636-2**

**Laboratory: Eurofins Chicago**

## Narrative

**Job Narrative  
500-225636-2**

### Comments

No additional comments.

### Receipt

The samples were received on 11/17/2022 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.4° C, 0.6° C, 1.0° C, 1.4° C and 1.8° C.

### RAD

Method 903.0: Radium-226 batch 591418

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

MW-01 (500-225636-1), MW-02 (500-225636-2), MW-03 (500-225636-3), MW-04 (500-225636-4), MW-07 (500-225636-5), MW-08 (500-225636-6), MW-09 (500-225636-7), MW-13 (500-225636-8), MW-14 (500-225636-9), MW-15 (500-225636-10), 1N/1S Duplicate (500-225636-11), (LCS 160-591418/2-A), (MB 160-591418/1-A) and (500-225636-D-1-B DU)

Method 904.0: Radium-228 batch 591434

The detection goal was not met for the following sample(s). Sample was prepped at a reduced volume due to the presence of matrix interferences: MW-13 (500-225636-8). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 591434

The LCS recovered at (129%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (62-148%) per method requirements. The LCS passes, no further action is required

(LCS 160-591434/2-A)

Method 904.0: Radium-228 batch 591434

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date

MW-01 (500-225636-1), MW-02 (500-225636-2), MW-03 (500-225636-3), MW-04 (500-225636-4), MW-07 (500-225636-5), MW-08 (500-225636-6), MW-09 (500-225636-7), MW-13 (500-225636-8), MW-14 (500-225636-9), MW-15 (500-225636-10), 1N/1S Duplicate (500-225636-11), (LCS 160-591434/2-A), (MB 160-591434/1-A) and (500-225636-D-1-C DU)

Method PrecSep\_0:

Method PrecSep-21:

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

# Method Summary

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

Job ID: 500-225636-2

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

#### Protocol References:

EPA = US Environmental Protection Agency

None = None

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

#### Laboratory References:

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

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# Sample Summary

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

Job ID: 500-225636-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225636-1	MW-01	Water	11/15/22 11:27	11/17/22 15:20
500-225636-2	MW-02	Water	11/15/22 12:18	11/17/22 15:20
500-225636-3	MW-03	Water	11/15/22 13:20	11/17/22 15:20
500-225636-4	MW-04	Water	11/15/22 14:00	11/17/22 15:20
500-225636-5	MW-07	Water	11/15/22 15:48	11/17/22 15:20
500-225636-6	MW-08	Water	11/17/22 09:57	11/17/22 15:20
500-225636-7	MW-09	Water	11/16/22 14:39	11/17/22 15:20
500-225636-8	MW-13	Water	11/16/22 15:55	11/17/22 15:20
500-225636-9	MW-14	Water	11/17/22 10:50	11/17/22 15:20
500-225636-10	MW-15	Water	11/17/22 12:33	11/17/22 15:20
500-225636-11	1N/1S Duplicate	Water	11/15/22 00:00	11/17/22 15:20

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# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-01**

**Lab Sample ID: 500-225636-1**

Date Collected: 11/15/22 11:27

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.131	U	0.115	0.116	1.00	0.179	pCi/L	11/29/22 09:51	12/21/22 08:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		40 - 110					11/29/22 09:51	12/21/22 08:13	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.294	U	0.378	0.379	1.00	0.630	pCi/L	11/29/22 10:44	12/15/22 14:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		40 - 110					11/29/22 10:44	12/15/22 14:44	1
Y Carrier	83.0		40 - 110					11/29/22 10:44	12/15/22 14:44	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.425	U	0.395	0.396	5.00	0.630	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-02**

**Lab Sample ID: 500-225636-2**

Date Collected: 11/15/22 12:18

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.329</b>		0.131	0.135	1.00	0.152	pCi/L	11/29/22 09:51	12/21/22 08:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					11/29/22 09:51	12/21/22 08:16	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.80</b>		0.546	0.570	1.00	0.668	pCi/L	11/29/22 10:44	12/15/22 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		40 - 110					11/29/22 10:44	12/15/22 11:17	1
Y Carrier	80.7		40 - 110					11/29/22 10:44	12/15/22 11:17	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>2.13</b>		0.561	0.586	5.00	0.668	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-03**  
**Date Collected: 11/15/22 13:20**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-3**  
**Matrix: Water**

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.366</b>		0.137	0.141	1.00	0.151	pCi/L	11/29/22 09:51	12/21/22 08:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		40 - 110					11/29/22 09:51	12/21/22 08:16	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>1.41</b>		0.444	0.462	1.00	0.515	pCi/L	11/29/22 10:44	12/15/22 11:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.4		40 - 110					11/29/22 10:44	12/15/22 11:18	1
Y Carrier	85.6		40 - 110					11/29/22 10:44	12/15/22 11:18	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>1.78</b>		0.465	0.483	5.00	0.515	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-04**  
**Date Collected: 11/15/22 14:00**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-4**  
**Matrix: Water**

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.137	U	0.119	0.119	1.00	0.181	pCi/L	11/29/22 09:51	12/21/22 08:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.8		40 - 110					11/29/22 09:51	12/21/22 08:16	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>4.02</b>		0.853	0.930	1.00	0.904	pCi/L	11/29/22 10:44	12/15/22 11:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.8		40 - 110					11/29/22 10:44	12/15/22 11:18	1
Y Carrier	81.9		40 - 110					11/29/22 10:44	12/15/22 11:18	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>4.15</b>		0.861	0.938	5.00	0.904	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-07**

**Lab Sample ID: 500-225636-5**

Date Collected: 11/15/22 15:48

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.550		0.158	0.165	1.00	0.138	pCi/L	11/29/22 09:51	12/21/22 08:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					11/29/22 09:51	12/21/22 08:17	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.741		0.428	0.433	1.00	0.626	pCi/L	11/29/22 10:44	12/15/22 11:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					11/29/22 10:44	12/15/22 11:20	1
Y Carrier	82.6		40 - 110					11/29/22 10:44	12/15/22 11:20	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.29		0.456	0.463	5.00	0.626	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-08**  
Date Collected: 11/17/22 09:57  
Date Received: 11/17/22 15:20

**Lab Sample ID: 500-225636-6**  
Matrix: Water

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.323</b>		0.125	0.129	1.00	0.139	pCi/L	11/29/22 09:51	12/21/22 08:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					11/29/22 09:51	12/21/22 08:17	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.879</b>		0.400	0.408	1.00	0.549	pCi/L	11/29/22 10:44	12/15/22 11:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		40 - 110					11/29/22 10:44	12/15/22 11:20	1
Y Carrier	83.7		40 - 110					11/29/22 10:44	12/15/22 11:20	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>1.20</b>		0.419	0.428	5.00	0.549	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-09**

**Lab Sample ID: 500-225636-7**

Date Collected: 11/16/22 14:39

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.138	U	0.0997	0.100	1.00	0.141	pCi/L	11/29/22 09:51	12/21/22 08:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		40 - 110					11/29/22 09:51	12/21/22 08:17	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.510</b>		0.329	0.332	1.00	0.470	pCi/L	11/29/22 10:44	12/15/22 11:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		40 - 110					11/29/22 10:44	12/15/22 11:20	1
Y Carrier	80.4		40 - 110					11/29/22 10:44	12/15/22 11:20	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>0.648</b>		0.344	0.347	5.00	0.470	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-13**  
**Date Collected: 11/16/22 15:55**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-8**  
**Matrix: Water**

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.431		0.276	0.279	1.00	0.385	pCi/L	11/29/22 09:51	12/21/22 08:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.8		40 - 110					11/29/22 09:51	12/21/22 08:18	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.03	U G	1.05	1.05	1.00	1.70	pCi/L	11/29/22 10:44	12/15/22 11:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.8		40 - 110					11/29/22 10:44	12/15/22 11:20	1
Y Carrier	80.7		40 - 110					11/29/22 10:44	12/15/22 11:20	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.46	U	1.09	1.09	5.00	1.70	pCi/L		12/21/22 18:30	1



# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-14**  
**Date Collected: 11/17/22 10:50**  
**Date Received: 11/17/22 15:20**

**Lab Sample ID: 500-225636-9**  
**Matrix: Water**

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.498</b>		0.148	0.155	1.00	0.146	pCi/L	11/29/22 09:51	12/21/22 08:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		40 - 110					11/29/22 09:51	12/21/22 08:18	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.319	U	0.270	0.272	1.00	0.417	pCi/L	11/29/22 10:44	12/15/22 11:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		40 - 110					11/29/22 10:44	12/15/22 11:21	1
Y Carrier	87.9		40 - 110					11/29/22 10:44	12/15/22 11:21	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>0.817</b>		0.308	0.313	5.00	0.417	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: MW-15**

**Lab Sample ID: 500-225636-10**

Date Collected: 11/17/22 12:33

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.183</b>		0.104	0.105	1.00	0.133	pCi/L	11/29/22 09:51	12/21/22 08:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		40 - 110					11/29/22 09:51	12/21/22 08:18	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.674</b>		0.356	0.361	1.00	0.494	pCi/L	11/29/22 10:44	12/15/22 11:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		40 - 110					11/29/22 10:44	12/15/22 11:21	1
Y Carrier	91.2		40 - 110					11/29/22 10:44	12/15/22 11:21	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Combined Radium 226 + 228</b>	<b>0.857</b>		0.371	0.376	5.00	0.494	pCi/L		12/21/22 18:30	1

# Client Sample Results

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

Job ID: 500-225636-2

**Client Sample ID: 1N/1S Duplicate**

**Lab Sample ID: 500-225636-11**

Date Collected: 11/15/22 00:00

Matrix: Water

Date Received: 11/17/22 15:20

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.324		0.131	0.134	1.00	0.152	pCi/L	11/29/22 09:51	12/21/22 08:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					11/29/22 09:51	12/21/22 08:18	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.883		0.364	0.373	1.00	0.466	pCi/L	11/29/22 10:44	12/15/22 11:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					11/29/22 10:44	12/15/22 11:23	1
Y Carrier	85.6		40 - 110					11/29/22 10:44	12/15/22 11:23	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.387	0.396	5.00	0.466	pCi/L		12/21/22 18:30	1

# Definitions/Glossary

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

Job ID: 500-225636-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

## Glossary

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

# QC Association Summary

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

Job ID: 500-225636-2

## Rad

### Prep Batch: 591418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	PrecSep-21	
500-225636-2	MW-02	Total/NA	Water	PrecSep-21	
500-225636-3	MW-03	Total/NA	Water	PrecSep-21	
500-225636-4	MW-04	Total/NA	Water	PrecSep-21	
500-225636-5	MW-07	Total/NA	Water	PrecSep-21	
500-225636-6	MW-08	Total/NA	Water	PrecSep-21	
500-225636-7	MW-09	Total/NA	Water	PrecSep-21	
500-225636-8	MW-13	Total/NA	Water	PrecSep-21	
500-225636-9	MW-14	Total/NA	Water	PrecSep-21	
500-225636-10	MW-15	Total/NA	Water	PrecSep-21	
500-225636-11	1N/1S Duplicate	Total/NA	Water	PrecSep-21	
MB 160-591418/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-591418/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-225636-1 DU	MW-01	Total/NA	Water	PrecSep-21	

### Prep Batch: 591434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225636-1	MW-01	Total/NA	Water	PrecSep_0	
500-225636-2	MW-02	Total/NA	Water	PrecSep_0	
500-225636-3	MW-03	Total/NA	Water	PrecSep_0	
500-225636-4	MW-04	Total/NA	Water	PrecSep_0	
500-225636-5	MW-07	Total/NA	Water	PrecSep_0	
500-225636-6	MW-08	Total/NA	Water	PrecSep_0	
500-225636-7	MW-09	Total/NA	Water	PrecSep_0	
500-225636-8	MW-13	Total/NA	Water	PrecSep_0	
500-225636-9	MW-14	Total/NA	Water	PrecSep_0	
500-225636-10	MW-15	Total/NA	Water	PrecSep_0	
500-225636-11	1N/1S Duplicate	Total/NA	Water	PrecSep_0	
MB 160-591434/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-591434/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-225636-1 DU	MW-01	Total/NA	Water	PrecSep_0	

# QC Sample Results

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

Job ID: 500-225636-2

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

**Lab Sample ID: MB 160-591418/1-A**  
**Matrix: Water**  
**Analysis Batch: 594467**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 591418**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.03658	U	0.0755	0.0755	1.00	0.135	pCi/L	11/29/22 09:51	12/21/22 08:10	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	96.1		40 - 110			11/29/22 09:51	12/21/22 08:10	1		

**Lab Sample ID: LCS 160-591418/2-A**  
**Matrix: Water**  
**Analysis Batch: 594468**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 591418**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.51		1.21	1.00	0.123	pCi/L	102	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
	%Yield	Qualifier							
Ba Carrier	94.7		40 - 110						

**Lab Sample ID: 500-225636-1 DU**  
**Matrix: Water**  
**Analysis Batch: 594432**

**Client Sample ID: MW-01**  
**Prep Type: Total/NA**  
**Prep Batch: 591418**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.131	U	0.1257	U	0.0954	1.00	0.138	pCi/L	0.02	1
Carrier	DU	DU	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	89.6		40 - 110							

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

**Lab Sample ID: MB 160-591434/1-A**  
**Matrix: Water**  
**Analysis Batch: 593776**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 591434**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.8899		0.336	0.346	1.00	0.394	pCi/L	11/29/22 10:44	12/15/22 11:13	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	96.1		40 - 110			11/29/22 10:44	12/15/22 11:13	1		
Y Carrier	83.0		40 - 110			11/29/22 10:44	12/15/22 11:13	1		

# QC Sample Results

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

Job ID: 500-225636-2

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

**Lab Sample ID: LCS 160-591434/2-A**  
**Matrix: Water**  
**Analysis Batch: 593776**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 591434**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.36	10.83		1.38	1.00	0.454	pCi/L	129	75 - 125	
<b>LCS LCS</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	94.7		40 - 110							
Y Carrier	83.7		40 - 110							

**Lab Sample ID: 500-225636-1 DU**  
**Matrix: Water**  
**Analysis Batch: 593776**

**Client Sample ID: MW-01**  
**Prep Type: Total/NA**  
**Prep Batch: 591434**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
										1
Radium-228	0.294	U	0.5486	U	0.468	1.00	0.726	pCi/L	0.30	1
<b>DU DU</b>										
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>							
Ba Carrier	89.6		40 - 110							
Y Carrier	82.6		40 - 110							

# Lab Chronicle

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

Job ID: 500-225636-2

## Client Sample ID: MW-01

Date Collected: 11/15/22 11:27

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594468	FLC	EET SL	12/21/22 08:13
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593776	FLC	EET SL	12/15/22 14:44
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-02

Date Collected: 11/15/22 12:18

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:16
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593774	FLC	EET SL	12/15/22 11:17
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-03

Date Collected: 11/15/22 13:20

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:16
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593774	FLC	EET SL	12/15/22 11:18
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-04

Date Collected: 11/15/22 14:00

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:16
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593774	FLC	EET SL	12/15/22 11:18
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30



# Lab Chronicle

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

Job ID: 500-225636-2

## Client Sample ID: MW-07

Date Collected: 11/15/22 15:48

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:17
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:20
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-08

Date Collected: 11/17/22 09:57

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:17
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:20
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-09

Date Collected: 11/16/22 14:39

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:17
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:20
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-13

Date Collected: 11/16/22 15:55

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:18
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:20
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

# Lab Chronicle

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

Job ID: 500-225636-2

## Client Sample ID: MW-14

Date Collected: 11/17/22 10:50

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:18
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:21
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: MW-15

Date Collected: 11/17/22 12:33

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:18
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593775	FLC	EET SL	12/15/22 11:21
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

## Client Sample ID: 1N/1S Duplicate

Date Collected: 11/15/22 00:00

Date Received: 11/17/22 15:20

## Lab Sample ID: 500-225636-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			591418	BMP	EET SL	11/29/22 09:51
Total/NA	Analysis	903.0		1	594432	FLC	EET SL	12/21/22 08:18
Total/NA	Prep	PrecSep_0			591434	BMP	EET SL	11/29/22 10:44
Total/NA	Analysis	904.0		1	593777	FLC	EET SL	12/15/22 11:23
Total/NA	Analysis	Ra226_Ra228		1	594570	CLP	EET SL	12/21/22 18:30

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 500-225636-2

## Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-23

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

**Eurofins Chicago**

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

**Chain of Custody Record**



<b>Client Information</b>		Sampler: <b>IAN JOHN HOWIESON</b>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500 106661-45301 1																											
Client Contact: Mitchel Dolan		Phone: <b>630-325-1300</b>		E Mail: Diana.Mockler@et.eurofins.com		State of Origin		Page: Page 1 of 1																											
Company: KPRG and Associates Inc				PWSID		<b>Analysis Requested</b>																													
Address: 414 Plaza Drive Suite 106				Due Date Requested		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>903.0 904.0</td> <td>6010C 6020A 7470A</td> <td>2540C 4500_F_C SMA4500_CI_E SMA4500_SO4_E</td> <td rowspan="5">Total Number of containers</td> </tr> <tr> <td>TAT Requested (days)</td> <td>Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>PO #</td> <td>WO #</td> <td>Project #</td> </tr> <tr> <td>City: Westmont</td> <td>SSOW#</td> <td>Project Name</td> <td>Site</td> <td>SSOW#</td> </tr> <tr> <td>State/Zip: IL 60559</td> <td>Project #</td> <td>Site</td> <td>SSOW#</td> <td>SSOW#</td> </tr> <tr> <td>Phone: 500-225636 COC</td> <td>Project #</td> <td>Site</td> <td>SSOW#</td> <td>SSOW#</td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SMA4500_CI_E SMA4500_SO4_E	Total Number of containers	TAT Requested (days)	Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No	PO #	WO #	Project #	City: Westmont	SSOW#	Project Name	Site	SSOW#	State/Zip: IL 60559	Project #	Site	SSOW#	SSOW#	Phone: 500-225636 COC	Project #	Site	SSOW#	SSOW#
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SMA4500_CI_E SMA4500_SO4_E	Total Number of containers																														
TAT Requested (days)	Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No	PO #	WO #	Project #																															
City: Westmont	SSOW#	Project Name	Site	SSOW#																															
State/Zip: IL 60559	Project #	Site	SSOW#	SSOW#																															
Phone: 500-225636 COC	Project #	Site	SSOW#	SSOW#																															
City: Westmont				TAT Requested (days)																															
State/Zip: IL 60559				Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No																															
Phone: 500-225636 COC				PO #																															
Email: mitcheld@kprginc.com				WO #																															
Project Name: Will County 1N/1S Event Desc Quarterly GW Monitoring				Project #																															
Site: Illinois				SSOW#																															
<b>Sample Identification</b>		Sample Date	ALL CT Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A-Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SMA4500_CI_E SMA4500_SO4_E	Total Number of containers	Special Instructions/Note																							
				Preservation Code																															
MW-01		11-15-22	11:27	G	Water	N	N	X	X	X	5																								
MW-02		11-15-22	12:18	G	Water	N	N	X	X	X	5																								
MW-03		11-15-22	13:20	G	Water	N	N	X	X	X	5																								
MW-04		11-15-22	14:00	G	Water	N	N	X	X	X	5																								
MW-07		11-15-22	15:48	G	Water	N	N	X	X	X	5																								
MW-08		11-17-22	09:57	G	Water	N	N	X	X	X	5																								
MW-09		11-16-22	14:39	G	Water	N	N	X	X	X	5																								
MW 13		11-16-22	15:55	G	Water	N	N	X	X	X	5																								
MW 14		11-17-22	10:50	G	Water	N	N	X	X	X	5																								
MW 15		11-17-22	12:33	G	Water	N	N	X	X	X	5																								
1N/1S Duplicate		11-15-22	—	G	Water	N	N	X	X	X	5																								

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<b>Possible Hazard Identification</b>				<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>			
<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>[Signature]</i>		Date/Time: 11-17-22 15:20		Company: KPRG		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature (°C) and Other Remarks: 09-20-19-214 28718 1170615710			

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler: Lab-PM Muckler, Diana J	Camera Tracking No(s):
Client Contact Shipping/Receiving	Phone Diana Muckler@eurofins.com	State of Origin Illinois	
Company: TestAmerica Laboratories, Inc.	Requested (See Note) NELAP - Illinois		
Address: 13715 Rider Trail North, Earth City State, Zip: MO, 63045		Due Date Requested: 12/12/2022	Job No: 500-167756-1
Phone: 314-298-8566 (Tel) 314-298-8757 (Fax)	PO #:	TAT Requested (days): 1	Page: Page 1 of 2
Email:	WO #:		Job F: 500-225636-2
Project Name: Will County CCR (RAD)	Project #: 50011609		
Site: NRG Midwest Generation Will County	SSON#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	903 (P/Recsp, 21 Standard Target List)	904 (P/Recsp, 0 Standard Target List)	R225R4228_GPPC	Total Number of Containers	Special Instructions/Note:
MW-01 (500-225636-1)	11/15/22	11:27 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-02 (500-225636-2)	11/15/22	12:16 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-03 (500-225636-3)	11/15/22	13:20 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-04 (500-225636-4)	11/15/22	14:00 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-05 (500-225636-5)	11/15/22	15:48 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-06 (500-225636-6)	11/17/22	09:57 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-07 (500-225636-7)	11/16/22	08:39 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-08 (500-225636-8)	11/16/22	15:53 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;
MW-09 (500-225636-9)	11/17/22	10:50 Central	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc). - no NCMs concerning limited volume;

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

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2  
 Disposal By Lab  Archive For \_\_\_\_\_ Months

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: Helen C. Cawley Date/Time: 11/18/22 1600 Company: FEDEX  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: [Signature] Date/Time: NOV 21 2022 0937 Company: EBAT  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



<b>Client Information (Sub Contract Lab)</b>	Sampler: <b>Lab Pk: Mocker, Diana J</b>	Carrier Tracking No(s): <b>COC No: 500-167756.2</b>	State of Origin: <b>Illinois</b>
Shipping/Receiving Company: <b>TestAmerica Laboratories, Inc.</b>	Address: <b>13715 Rider Trail North, Earth City, MO, 63045</b>	Page: <b>Page 2 of 2</b>	Job #: <b>500-225636-2</b>
Phone: <b>314-298-8666(Tel) 314-298-8757(Fax)</b>	Due Date Requested: <b>12/12/2022</b>	<b>Analysis Requested</b>	
PO #: <b>50011609</b>	TAT Requested (days): <b>7</b>	<b>Preservation Codes:</b> A - HCL, M - Hexane B - NaOH, N - None C - Zn Acetate, P - NaNO <sub>2</sub> D - Nitric Acid, Q - Na <sub>2</sub> SO <sub>3</sub> E - NaOH, R - Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> F - NaOH, S - H <sub>2</sub> SO <sub>4</sub> G - Amchlor, T - BSP Dodecylsulfate H - Ascorbic Acid, U - MCA I - Ice, V - Water, W - pH 4-5 K - EDTA, X - EDTA L - EDA, Y - Triaza Z - other (Specify) <b>Other:</b>	
Project #: <b>50011609</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Total Number of Containers</b>	
SSOW#: <b>NRG Midwest Generation Will County</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	
	<b>Sample ID (Lab ID)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>Special Instructions/Notes:</b>
	MW-15 (500-225636-10)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3 Batch OC must be performed (dup. spikes, etc) - no NCLs concerning limited volume.
	INIS Duplicate (500-225636-11)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3 Batch OC must be performed (dup. spikes, etc) - no NCLs concerning limited volume.

<b>Possible Hazard Identification</b>	<input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Unconfirmed
<b>Deliverable Requested: I, II, III, IV, Other (specify)</b>	Primary Deliverable Rank: <b>2</b>
<b>Empty Kit Reinquished by:</b>	<b>Date:</b>
Reinquished by: <i>Diana Mocker</i>	Date/Time: <b>11/18/22 1600</b>
Reinquished by: <i>FEDEX</i>	Company: <b>FEDEX</b>
Reinquished by: <i>FEDEX</i>	Company: <b>FEDEX</b>
<b>Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</b>	<b>Custody Seal No.:</b>

<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
<b>Special Instructions/OC Requirements:</b>	
<b>Received By:</b> <i>[Signature]</i>	<b>Date/Time:</b> <b>NOV 21 2022</b>
<b>Company:</b> <b>FEDEX</b>	<b>Company:</b> <b>FEDEX</b>
<b>Received By:</b> <i>[Signature]</i>	<b>Date/Time:</b> <b>NOV 21 2022</b>
<b>Company:</b> <b>FEDEX</b>	<b>Company:</b> <b>FEDEX</b>
<b>Cooler Temperature(s) °C and Other Remarks:</b>	

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

# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225636-2

**Login Number: 225636**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4,1.4,1.8,0.6,1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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	



## Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225636-2

**Login Number: 225636**

**List Number: 2**

**Creator: Bohlmann, Jessica M**

**List Source: Eurofins St. Louis**

**List Creation: 11/21/22 01:47 PM**

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



# Tracer/Carrier Summary

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

Job ID: 500-225636-2

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	
500-225636-1	MW-01	90.0	
500-225636-1 DU	MW-01	89.6	
500-225636-2	MW-02	87.4	
500-225636-3	MW-03	85.4	
500-225636-4	MW-04	63.8	
500-225636-5	MW-07	81.8	
500-225636-6	MW-08	91.0	
500-225636-7	MW-09	79.4	
500-225636-8	MW-13	64.8	
500-225636-9	MW-14	85.7	
500-225636-10	MW-15	83.5	
500-225636-11	1N/1S Duplicate	90.8	
LCS 160-591418/2-A	Lab Control Sample	94.7	
MB 160-591418/1-A	Method Blank	96.1	
<b>Tracer/Carrier Legend</b>			
Ba = Ba Carrier			

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-225636-1	MW-01	90.0	83.0
500-225636-1 DU	MW-01	89.6	82.6
500-225636-2	MW-02	87.4	80.7
500-225636-3	MW-03	85.4	85.6
500-225636-4	MW-04	63.8	81.9
500-225636-5	MW-07	81.8	82.6
500-225636-6	MW-08	91.0	83.7
500-225636-7	MW-09	79.4	80.4
500-225636-8	MW-13	64.8	80.7
500-225636-9	MW-14	85.7	87.9
500-225636-10	MW-15	83.5	91.2
500-225636-11	1N/1S Duplicate	90.8	85.6
LCS 160-591434/2-A	Lab Control Sample	94.7	83.7
MB 160-591434/1-A	Method Blank	96.1	83.0
<b>Tracer/Carrier Legend</b>			
Ba = Ba Carrier			
Y = Y Carrier			

PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-15-22
Sample Name	MW-01	Start Time	11:12 CT	
Condition of Well	GOOD			
Water Level	10.98	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TRACE TURB	
Volume Removed	3 QTS	W L at Sample Time	10.97 CT	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	11:27. CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
11:15	10.97	6.53	14.2	1.308	1.32	139.6	35.3
11:18	10.99	6.57	14.2	1.304	1.08	133.2	29.2
11:21	11.0	6.59	14.1	1.300	0.97	128.0	26.0
11:24	10.98	6.59	14.0	1.300	0.94	125.0	20.9
11:27	10.97	6.59	14.2	1.303	0.93	122.2	19.8

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

JANIS HOWLSON




PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-15-22
Sample Name	MW-02	Start Time	12:06 CT	
Condition of Well	GOOD			
Water Level	12.17	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TRACE TURB SLIGHT ODOR	
Volume Removed	2.5 QTS	W L at Sample Time	12:17	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR + CCR DUPS	Sample Time	12:18 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
12:09	12.20	7.65	15.6	1.325	4.28	-97.7	9.58
12:12	12.18	7.63	16.1	1.361	1.62	-135.5	12.92
12:15	12.18	7.64	15.9	1.359	1.03	-146.7	9.08
12:18	12.17	7.64	15.3	1.342	0.98	-146.7	8.21

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

Law JOHN HOLLISON 



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-15-22
Sample Name	MW-03	Start Time	13:02 CT	
Condition of Well	GOOD			
Water Level	11.78	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	APPEARS CLEAR TRACE TURB	
Volume Removed	4 QTS	W L at Sample Time	12.10 CT	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR.	
Sample Analysis	CCR	Sample Time	13:20 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
13:05	11.89	6.86	12.8	1.169	6.72	4.2	11.9
13:08	11.97	6.83	13.6	1.193	1.58	-11.7	14.0
13:11	12.01	6.81	13.5	1.189	1.03	-11.9	11.8
13:14	12.05	6.80	13.5	1.188	0.91	-5.6	9.62
13:17	12.08	6.80	13.6	1.188	0.87	-2.5	9.90
13:20	12.10	6.79	13.5	1.185	0.84	-1.9	9.71

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

*JAN JOHN HOWESON*




PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-15-22
Sample Name	MW-04	Start Time	13:46 CT	
Condition of Well	Good			
Water Level	11.85	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	APPEARS CLEAR	
Volume Removed	3.5 GTS	W L at Sample Time	11.92	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	14:00 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
13:49	11.98	6.75	13.5	1.761	4.60	-25.4	36.2
13:52	11.94	6.66	13.6	1.750	1.61	-37.9	19.9
13:55	11.93	6.64	13.6	1.741	1.14	-40.0	12.9
13:57	11.96	6.64	13.6	1.745	0.97	-41.3	12.8
14:00	11.92	6.64	13.6	1.742	0.93	-41.8	14.2

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

IAN SWAN HOWLSON 



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-15-22
Sample Name	MW-07	Start Time	15:33 CT	
Condition of Well	GOOD			
Water Level	11.86	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TRACE TURB - APPEARS CLEAR	
Volume Removed	3.5 QTS	W L at Sample Time	12.16	
Method of Sample	Low-Flow	Sample Characteristics	APPEAR CLEAR.	
Sample Analysis	CCR	Sample Time	15:48 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
15:36	12.14	7.60	12.9	1.306	1.49	-88.6	40.3
15:39	12.16	7.89	13.0	1.278	1.13	-121.6	45.1
15:42	12.14	8.03	13.0	1.266	0.94	-143.2	42.4
15:45	12.17	8.06	13.1	1.266	0.87	-153.5	44.7
15:48	12.19	8.01	13.0	1.263	0.84	-152.3	41.3

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

JAN JOHN HOWESON




PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-17-22
Sample Name	MW-08	Start Time	09:45 CT	
Condition of Well	Good			
Water Level	12.06	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TRACE TURB APPEARS CLEAR	
Volume Removed	2.5 QTS	W L at Sample Time	12.29	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	09:57 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
09:48	12.64	6.94	13.9	1.354	2.24	-87.2	36.1
09:51	12.53	7.14	13.1	1.304	1.34	-104.2	20.6
09:54	12.42	7.19	11.8	1.251	1.17	-104.3	17.6
09:57	12.29	7.19	11.5	1.241	1.06	-103.9	13.9

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

IAN JOHN HOWISON 




PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-16-22
Sample Name	MW-09	Start Time	14:15 CT	
Condition of Well	GOOD			
Water Level	12.21	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	APPEARS CLEAR SLIGHT ODOR	
Volume Removed	4.5 QTS	W L at Sample Time	12.33	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR WIS + 2S3S	Sample Time	14:39 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
14:18	12.28	7.87	12.3	1.016	5.29	-144.0	5.76
14:21	12.29	7.75	11.3	0.991	5.72	-147.7	7.45
14:24	12.26	8.34	10.1	0.959	5.30	-161.3	10.23
14:27	12.29	8.84	9.0	0.907	2.15	-167.6	12.89
14:30	12.32	8.84	11.6	0.974	1.63	-164.1	12.27
14:33	12.34	8.83	11.9	0.986	1.62	-159.7	12.76
14:36	12.37	8.82	12.7	1.005	1.52	-155.2	11.75
14:39	12.41	8.82	12.6	1.003	1.50	-151.8	11.73

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

IAN JOHN HOUISON 




PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-16-22
Sample Name	MW-13	Start Time	15:31 CT	
Condition of Well	GOOD			
Water Level	11.02	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	CLOUDY MODERATE TURBIDITY	
Volume Removed	4.5 QTS	W L at Sample Time		
Method of Sample	Low-Flow	Sample Characteristics	CLOUDY SLIGHT TURBIDITY	
Sample Analysis	CCR	Sample Time	15:55 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
15:34	11.08	7.12	10.7	1.194	7.32	12.4	157.2
15:37	11.15	7.10	11.5	1.205	5.82	16.9	115.3
15:40	11.17	7.10	11.8	1.206	5.40	19.9	103.9
15:43	11.19	7.10	12.0	1.210	5.23	22.4	99.2
15:46	11.26	7.10	12.1	1.207	4.74	24.2	102.6
15:49	11.28	7.10	12.3	1.205	4.40	25.8	102.2
15:52	11.31	7.10	12.3	1.203	4.34	27.2	87.4
15:55	11.33	7.10	12.4	1.205	4.23	28.7	77.2

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

TAN SETH HANLSON 


PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-17-22
Sample Name	MW-14	Start Time	10:32 CT	
Condition of Well	GOOD			
Water Level	11.28	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	APPEARS CLEAR	
Volume Removed	3 QRS	W L at Sample Time	11.35	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	10:50 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
10:35	11.33	7.54	11.8	1.180	2.74	-73.8	5.3
10:38	11.37	7.78	12.1	1.148	1.67	-121.7	5.0
10:41	11.35	7.85	12.1	1.128	1.40	-137.2	4.9
10:44	11.35	7.90	11.8	1.112	1.23	-146.4	3.8
10:47	11.35	7.93	11.8	1.111	1.12	-153.5	3.5
10:50	11.35	7.94	11.7	1.110	1.09	-154.9	2.8

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

JAW JOHN HOWLSON 



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-17-22
Sample Name	MW-15	Start Time	11:27 CT	
Condition of Well	GOOD		12:21 *	
Water Level	10.87	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT MOD TURB	
Volume Removed	4 QTS	W L at Sample Time	11.31	
Method of Sample	Low-Flow	Sample Characteristics	TAN TINT MOD TURB	
Sample Analysis	CCR	Sample Time	12:33 CT	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
11:30	10.98	6.83	10.0	1.319	6.08	-8.9	4.9
11:33							
11:36							
* 12:21		7.16	12.5	1.384	1.87	-96.3	166.4
12:24	11.21	7.16	11.5	1.353	1.26	-92.3	169.3
12:27	11.19	7.17	10.2	1.318	1.23	-90.9	161.4
12:30	11.22	7.16	11.0	1.325	1.15	-90.6	148.8
12:33	11.31	7.16	11.5	1.347	1.05	-91.8	148.2

SAMPLING NOTES: STOPPED PURGE / ISSUE WITH PUMP. MP-50 SWITCH TO BACKUP. WELL WIZARD / FLUSH FLOW CELL

Sampler Name and Company:

KPRG and Associates

IAN JOHN HOWISON 