

## **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) background development groundwater monitoring was initiated for Ponds 1 N and 1 S 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 is included under the State CCR Rule requirements.

No background statistics or proposed Groundwater Protection Standards (GWPSs) are included on these tables since a full round of eight background sampling rounds has not yet been completed. Once completed, the background values and GWPSs will be calculated and proposed as part of the Operating Permit submittal for Ponds 1 N and 1 S. Upon Illinois Environmental Protection Agency approval of the Operating Permit, the approved comparison values will be included for subsequent data comparisons/evaluations.



Table 2. Groundwater Turbidity - 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	
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	
MW-03	3/1/2021	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	
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	
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	
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	

Note: dataset currently may include high and low outliers. More than 8 rounds of measurements may be required for background calculations.

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
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
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
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

Note: dataset currently may include high and low outliers. More than 8 rounds of measurements may be required for background calculations.

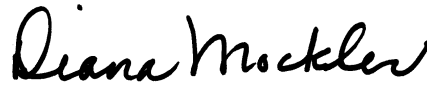
## ANALYTICAL REPORT

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

Laboratory Job ID: 500-203241-1  
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:  
8/24/2021 11:31:04 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

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

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



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# Case Narrative

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

Job ID: 500-203241-1

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## Job ID: 500-203241-1

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Laboratory: Eurofins TestAmerica, Chicago

### Narrative

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#### Job Narrative 500-203241-1

### Comments

No additional comments.

### Receipt

The samples were received on 8/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.4° C, 0.3° C and 0.4° C.

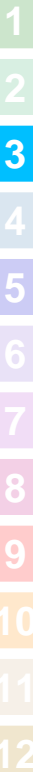
### Metals

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

### General Chemistry

Method SM 4500 SO4 E: Due to the high concentration of sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-615333 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Job ID: 500-203241-1

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

#### Protocol References:

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

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

#### Laboratory References:

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



# Sample Summary

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

Job ID: 500-203241-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-203241-1	MW-01	Water	08/02/21 13:15	08/04/21 10:10
500-203241-2	MW-02	Water	08/02/21 14:54	08/04/21 10:10
500-203241-3	MW-03	Water	08/02/21 16:54	08/04/21 10:10
500-203241-4	MW-04	Water	08/02/21 16:20	08/04/21 10:10
500-203241-5	MW-07	Water	08/02/21 14:09	08/04/21 10:10
500-203241-6	MW-08	Water	08/02/21 15:23	08/04/21 10:10
500-203241-7	MW-13	Water	08/02/21 15:48	08/04/21 10:10
500-203241-8	MW-14	Water	08/02/21 14:32	08/04/21 10:10
500-203241-9	MW-15	Water	08/02/21 13:41	08/04/21 10:10
500-203241-10	Duplicate	Water	08/02/21 00:00	08/04/21 10:10

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

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-01**

**Lab Sample ID: 500-203241-1**

Date Collected: 08/02/21 13:15

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.044		0.010		mg/L		08/05/21 07:49	08/05/21 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:41	1
Arsenic	0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:41	1
Barium	0.10		0.0025		mg/L		08/05/21 07:49	08/05/21 16:41	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:41	1
Boron	2.4		0.50		mg/L		08/05/21 07:49	08/06/21 19:48	10
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:41	1
Calcium	200		0.20		mg/L		08/05/21 07:49	08/05/21 16:41	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:41	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:41	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:41	1
Molybdenum	0.014		0.0050		mg/L		08/05/21 07:49	08/05/21 16:41	1
Selenium	0.0095		0.0025		mg/L		08/05/21 07:49	08/05/21 16:41	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			08/09/21 05:06	1
Chloride	18		2.0		mg/L			08/20/21 13:34	1
Fluoride	0.65		0.10		mg/L			08/20/21 09:59	1
Sulfate	410		50		mg/L			08/20/21 12:50	10

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-02**

**Lab Sample ID: 500-203241-2**

Date Collected: 08/02/21 14:54

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.048		0.010		mg/L		08/05/21 07:49	08/05/21 19:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:45	1
Arsenic	0.011		0.0010		mg/L		08/05/21 07:49	08/05/21 16:45	1
Barium	0.060		0.0025		mg/L		08/05/21 07:49	08/05/21 16:45	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:45	1
Boron	4.8		1.0		mg/L		08/05/21 07:49	08/06/21 19:52	20
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:45	1
Calcium	92		0.20		mg/L		08/05/21 07:49	08/05/21 16:45	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:45	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:45	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:45	1
Molybdenum	0.073		0.0050		mg/L		08/05/21 07:49	08/05/21 16:45	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:45	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			08/09/21 05:14	1
Chloride	24		2.0		mg/L			08/20/21 13:34	1
Fluoride	0.37		0.10		mg/L			08/20/21 10:07	1
Sulfate	520		100		mg/L			08/20/21 12:51	20

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-03**

**Lab Sample ID: 500-203241-3**

Date Collected: 08/02/21 16:54

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.043		0.010		mg/L		08/05/21 07:49	08/05/21 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:48	1
Arsenic	0.0053		0.0010		mg/L		08/05/21 07:49	08/05/21 16:48	1
Barium	0.096		0.0025		mg/L		08/05/21 07:49	08/05/21 16:48	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:48	1
Boron	6.2		1.0		mg/L		08/05/21 07:49	08/06/21 19:55	20
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:48	1
Calcium	120		0.20		mg/L		08/05/21 07:49	08/05/21 16:48	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:48	1
Cobalt	0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:48	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:48	1
Molybdenum	0.021		0.0050		mg/L		08/05/21 07:49	08/05/21 16:48	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:48	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	920		10		mg/L			08/09/21 05:19	1
Chloride	31		2.0		mg/L			08/20/21 13:34	1
Fluoride	0.30		0.10		mg/L			08/20/21 10:10	1
Sulfate	280		50		mg/L			08/20/21 12:52	10

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-04**

**Lab Sample ID: 500-203241-4**

Date Collected: 08/02/21 16:20

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.027		0.010		mg/L		08/05/21 07:49	08/05/21 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:52	1
Arsenic	0.0039		0.0010		mg/L		08/05/21 07:49	08/05/21 16:52	1
Barium	0.046		0.0025		mg/L		08/05/21 07:49	08/05/21 16:52	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:52	1
Boron	5.3		1.0		mg/L		08/05/21 07:49	08/06/21 19:59	20
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:52	1
Calcium	310		4.0		mg/L		08/05/21 07:49	08/06/21 19:59	20
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:52	1
Cobalt	0.0018		0.0010		mg/L		08/05/21 07:49	08/05/21 16:52	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:52	1
Molybdenum	0.032		0.0050		mg/L		08/05/21 07:49	08/05/21 16:52	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:52	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2200		10		mg/L			08/09/21 05:21	1
Chloride	21		2.0		mg/L			08/20/21 13:34	1
Fluoride	0.38		0.10		mg/L			08/20/21 10:13	1
Sulfate	1000		250		mg/L			08/20/21 12:58	50

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-07**

**Lab Sample ID: 500-203241-5**

Date Collected: 08/02/21 14:09

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.024		0.010		mg/L		08/05/21 07:49	08/05/21 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:55	1
Arsenic	0.0036		0.0010		mg/L		08/05/21 07:49	08/05/21 16:55	1
Barium	0.071		0.0025		mg/L		08/05/21 07:49	08/05/21 16:55	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:55	1
Boron	3.1		0.50		mg/L		08/05/21 07:49	08/06/21 20:09	10
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:55	1
Calcium	120		0.20		mg/L		08/05/21 07:49	08/05/21 16:55	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:55	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:55	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:55	1
Molybdenum	0.068		0.0050		mg/L		08/05/21 07:49	08/05/21 16:55	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:55	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	980		10		mg/L			08/09/21 05:24	1
Chloride	130		10		mg/L			08/20/21 13:35	5
Fluoride	0.69		0.10		mg/L			08/20/21 10:16	1
Sulfate	450		100		mg/L			08/20/21 12:52	20

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-08**

**Lab Sample ID: 500-203241-6**

Date Collected: 08/02/21 15:23

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021		0.010		mg/L		08/05/21 07:49	08/05/21 20:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 17:05	1
Arsenic	0.012		0.0010		mg/L		08/05/21 07:49	08/05/21 17:05	1
Barium	0.074		0.0025		mg/L		08/05/21 07:49	08/05/21 17:05	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:05	1
Boron	3.1		0.50		mg/L		08/05/21 07:49	08/06/21 20:12	10
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:05	1
Calcium	160		0.20		mg/L		08/05/21 07:49	08/05/21 17:05	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 17:05	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:05	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:05	1
Molybdenum	0.076		0.0050		mg/L		08/05/21 07:49	08/05/21 17:05	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 17:05	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 08:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10		mg/L			08/09/21 05:27	1
Chloride	180		20		mg/L			08/20/21 13:35	10
Fluoride	0.53		0.10		mg/L			08/20/21 10:19	1
Sulfate	530		100		mg/L			08/20/21 12:52	20

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-13**  
Date Collected: 08/02/21 15:48  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-7**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		08/05/21 07:49	08/05/21 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Arsenic</b>	<b>0.0019</b>		0.0010		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Barium</b>	<b>0.13</b>		0.0025		mg/L		08/05/21 07:49	08/05/21 17:09	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Boron</b>	<b>1.6</b>		0.25		mg/L		08/05/21 07:49	08/06/21 20:16	5
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Calcium</b>	<b>170</b>		0.20		mg/L		08/05/21 07:49	08/05/21 17:09	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 17:09	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Lead</b>	<b>0.00055</b>		0.00050		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Molybdenum</b>	<b>0.013</b>		0.0050		mg/L		08/05/21 07:49	08/05/21 17:09	1
<b>Selenium</b>	<b>0.0061</b>		0.0025		mg/L		08/05/21 07:49	08/05/21 17:09	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 08:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>1200</b>		10		mg/L			08/09/21 05:29	1
<b>Chloride</b>	<b>240</b>		10		mg/L			08/20/21 13:36	5
<b>Fluoride</b>	<b>0.32</b>		0.10		mg/L			08/20/21 10:32	1
<b>Sulfate</b>	<b>240</b>		50		mg/L			08/20/21 12:54	10



# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-14**  
Date Collected: 08/02/21 14:32  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-8**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.052		0.010		mg/L		08/05/21 07:49	08/05/21 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 17:12	1
Arsenic	0.0064		0.0010		mg/L		08/05/21 07:49	08/05/21 17:12	1
Barium	0.24		0.0025		mg/L		08/05/21 07:49	08/05/21 17:12	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:12	1
Boron	4.7		1.0		mg/L		08/05/21 07:49	08/06/21 20:19	20
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:12	1
Calcium	120		0.20		mg/L		08/05/21 07:49	08/05/21 17:12	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 17:12	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:12	1
Lead	0.0016		0.00050		mg/L		08/05/21 07:49	08/05/21 17:12	1
Molybdenum	0.051		0.0050		mg/L		08/05/21 07:49	08/05/21 17:12	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 17:12	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 09:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			08/09/21 05:32	1
Chloride	88		10		mg/L			08/20/21 13:36	5
Fluoride	0.47		0.10		mg/L			08/20/21 10:34	1
Sulfate	470		100		mg/L			08/20/21 12:54	20

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: MW-15**

**Lab Sample ID: 500-203241-9**

Date Collected: 08/02/21 13:41

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.018		0.010		mg/L		08/05/21 07:49	08/05/21 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 17:16	1
Arsenic	0.0039		0.0010		mg/L		08/05/21 07:49	08/05/21 17:16	1
Barium	0.097		0.0025		mg/L		08/05/21 07:49	08/05/21 17:16	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:16	1
Boron	3.1		0.50		mg/L		08/05/21 07:49	08/06/21 20:23	10
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:16	1
Calcium	160		0.20		mg/L		08/05/21 07:49	08/05/21 17:16	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 17:16	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:16	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:16	1
Molybdenum	0.036		0.0050		mg/L		08/05/21 07:49	08/05/21 17:16	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 17:16	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 09:02	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			08/09/21 05:34	1
Chloride	98		10		mg/L			08/20/21 13:36	5
Fluoride	0.56		0.10		mg/L			08/20/21 10:37	1
Sulfate	550		100		mg/L			08/20/21 12:54	20

# Client Sample Results

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

Job ID: 500-203241-1

**Client Sample ID: Duplicate**

**Lab Sample ID: 500-203241-10**

Date Collected: 08/02/21 00:00

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.048		0.010		mg/L		08/05/21 07:49	08/05/21 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 17:19	1
Arsenic	0.012		0.0010		mg/L		08/05/21 07:49	08/05/21 17:19	1
Barium	0.061		0.0025		mg/L		08/05/21 07:49	08/05/21 17:19	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:19	1
Boron	4.7		1.0		mg/L		08/05/21 07:49	08/06/21 20:26	20
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:19	1
Calcium	95		0.20		mg/L		08/05/21 07:49	08/05/21 17:19	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 17:19	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 17:19	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 17:19	1
Molybdenum	0.074		0.0050		mg/L		08/05/21 07:49	08/05/21 17:19	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 17:19	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 09:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			08/09/21 05:37	1
Chloride	24		2.0		mg/L			08/20/21 13:53	1
Fluoride	0.36		0.10		mg/L			08/20/21 10:40	1
Sulfate	530		100		mg/L			08/20/21 13:02	20

# Definitions/Glossary

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

Job ID: 500-203241-1

## Qualifiers

### General Chemistry

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

## Glossary

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

# QC Association Summary

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

Job ID: 500-203241-1

## Metals

### Prep Batch: 612797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total Recoverable	Water	3005A	
500-203241-2	MW-02	Total Recoverable	Water	3005A	
500-203241-3	MW-03	Total Recoverable	Water	3005A	
500-203241-4	MW-04	Total Recoverable	Water	3005A	
500-203241-5	MW-07	Total Recoverable	Water	3005A	
500-203241-6	MW-08	Total Recoverable	Water	3005A	
500-203241-7	MW-13	Total Recoverable	Water	3005A	
500-203241-8	MW-14	Total Recoverable	Water	3005A	
500-203241-9	MW-15	Total Recoverable	Water	3005A	
500-203241-10	Duplicate	Total Recoverable	Water	3005A	
MB 500-612797/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-612797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 612956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total Recoverable	Water	6010C	612797
500-203241-2	MW-02	Total Recoverable	Water	6010C	612797
500-203241-3	MW-03	Total Recoverable	Water	6010C	612797
500-203241-4	MW-04	Total Recoverable	Water	6010C	612797
500-203241-5	MW-07	Total Recoverable	Water	6010C	612797
500-203241-6	MW-08	Total Recoverable	Water	6010C	612797
500-203241-7	MW-13	Total Recoverable	Water	6010C	612797
500-203241-8	MW-14	Total Recoverable	Water	6010C	612797
500-203241-9	MW-15	Total Recoverable	Water	6010C	612797
500-203241-10	Duplicate	Total Recoverable	Water	6010C	612797
MB 500-612797/1-A	Method Blank	Total Recoverable	Water	6010C	612797
LCS 500-612797/2-A	Lab Control Sample	Total Recoverable	Water	6010C	612797

### Analysis Batch: 613065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total Recoverable	Water	6020A	612797
500-203241-2	MW-02	Total Recoverable	Water	6020A	612797
500-203241-3	MW-03	Total Recoverable	Water	6020A	612797
500-203241-4	MW-04	Total Recoverable	Water	6020A	612797
500-203241-5	MW-07	Total Recoverable	Water	6020A	612797
500-203241-6	MW-08	Total Recoverable	Water	6020A	612797
500-203241-7	MW-13	Total Recoverable	Water	6020A	612797
500-203241-8	MW-14	Total Recoverable	Water	6020A	612797
500-203241-9	MW-15	Total Recoverable	Water	6020A	612797
500-203241-10	Duplicate	Total Recoverable	Water	6020A	612797
MB 500-612797/1-A	Method Blank	Total Recoverable	Water	6020A	612797
LCS 500-612797/2-A	Lab Control Sample	Total Recoverable	Water	6020A	612797

### Analysis Batch: 613310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total Recoverable	Water	6020A	612797
500-203241-2	MW-02	Total Recoverable	Water	6020A	612797
500-203241-3	MW-03	Total Recoverable	Water	6020A	612797
500-203241-4	MW-04	Total Recoverable	Water	6020A	612797
500-203241-5	MW-07	Total Recoverable	Water	6020A	612797
500-203241-6	MW-08	Total Recoverable	Water	6020A	612797

Eurofins TestAmerica, Chicago

# QC Association Summary

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

Job ID: 500-203241-1

## Metals (Continued)

### Analysis Batch: 613310 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-7	MW-13	Total Recoverable	Water	6020A	612797
500-203241-8	MW-14	Total Recoverable	Water	6020A	612797
500-203241-9	MW-15	Total Recoverable	Water	6020A	612797
500-203241-10	Duplicate	Total Recoverable	Water	6020A	612797
MB 500-612797/1-A	Method Blank	Total Recoverable	Water	6020A	612797
LCS 500-612797/2-A	Lab Control Sample	Total Recoverable	Water	6020A	612797

### Prep Batch: 613752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	7470A	
500-203241-2	MW-02	Total/NA	Water	7470A	
500-203241-3	MW-03	Total/NA	Water	7470A	
500-203241-4	MW-04	Total/NA	Water	7470A	
500-203241-5	MW-07	Total/NA	Water	7470A	
500-203241-6	MW-08	Total/NA	Water	7470A	
500-203241-7	MW-13	Total/NA	Water	7470A	
500-203241-8	MW-14	Total/NA	Water	7470A	
500-203241-9	MW-15	Total/NA	Water	7470A	
500-203241-10	Duplicate	Total/NA	Water	7470A	
MB 500-613752/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-613752/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-203241-7 MS	MW-13	Total/NA	Water	7470A	
500-203241-7 MSD	MW-13	Total/NA	Water	7470A	
500-203241-7 DU	MW-13	Total/NA	Water	7470A	

### Analysis Batch: 613971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	7470A	613752
500-203241-2	MW-02	Total/NA	Water	7470A	613752
500-203241-3	MW-03	Total/NA	Water	7470A	613752
500-203241-4	MW-04	Total/NA	Water	7470A	613752
500-203241-5	MW-07	Total/NA	Water	7470A	613752
500-203241-6	MW-08	Total/NA	Water	7470A	613752
500-203241-7	MW-13	Total/NA	Water	7470A	613752
500-203241-8	MW-14	Total/NA	Water	7470A	613752
500-203241-9	MW-15	Total/NA	Water	7470A	613752
500-203241-10	Duplicate	Total/NA	Water	7470A	613752
MB 500-613752/12-A	Method Blank	Total/NA	Water	7470A	613752
LCS 500-613752/13-A	Lab Control Sample	Total/NA	Water	7470A	613752
500-203241-7 MS	MW-13	Total/NA	Water	7470A	613752
500-203241-7 MSD	MW-13	Total/NA	Water	7470A	613752
500-203241-7 DU	MW-13	Total/NA	Water	7470A	613752

## General Chemistry

### Analysis Batch: 613300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	SM 2540C	
500-203241-2	MW-02	Total/NA	Water	SM 2540C	
500-203241-3	MW-03	Total/NA	Water	SM 2540C	
500-203241-4	MW-04	Total/NA	Water	SM 2540C	

Eurolins TestAmerica, Chicago

# QC Association Summary

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

Job ID: 500-203241-1

## General Chemistry (Continued)

### Analysis Batch: 613300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-5	MW-07	Total/NA	Water	SM 2540C	
500-203241-6	MW-08	Total/NA	Water	SM 2540C	
500-203241-7	MW-13	Total/NA	Water	SM 2540C	
500-203241-8	MW-14	Total/NA	Water	SM 2540C	
500-203241-9	MW-15	Total/NA	Water	SM 2540C	
500-203241-10	Duplicate	Total/NA	Water	SM 2540C	
MB 500-613300/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-613300/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-203241-1 MS	MW-01	Total/NA	Water	SM 2540C	
500-203241-1 DU	MW-01	Total/NA	Water	SM 2540C	
500-203241-2 DU	MW-02	Total/NA	Water	SM 2540C	

### Analysis Batch: 615316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	SM 4500 F C	
500-203241-2	MW-02	Total/NA	Water	SM 4500 F C	
500-203241-3	MW-03	Total/NA	Water	SM 4500 F C	
500-203241-4	MW-04	Total/NA	Water	SM 4500 F C	
500-203241-5	MW-07	Total/NA	Water	SM 4500 F C	
500-203241-6	MW-08	Total/NA	Water	SM 4500 F C	
500-203241-7	MW-13	Total/NA	Water	SM 4500 F C	
500-203241-8	MW-14	Total/NA	Water	SM 4500 F C	
500-203241-9	MW-15	Total/NA	Water	SM 4500 F C	
500-203241-10	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-615316/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-615316/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-203241-1 MS	MW-01	Total/NA	Water	SM 4500 F C	
500-203241-1 MSD	MW-01	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 615332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-203241-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-203241-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-203241-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-203241-5	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-203241-6	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-203241-7	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-203241-8	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-203241-9	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-203241-10	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-615332/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-615332/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-203241-1 MS	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-203241-1 MSD	MW-01	Total/NA	Water	SM 4500 Cl- E	

### Analysis Batch: 615333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-203241-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-203241-3	MW-03	Total/NA	Water	SM 4500 SO4 E	

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# QC Association Summary

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

Job ID: 500-203241-1

## General Chemistry (Continued)

### Analysis Batch: 615333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-203241-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-203241-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-203241-7	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-203241-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-203241-9	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-203241-10	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-615333/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-615333/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-203241-1 MS	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-203241-1 MSD	MW-01	Total/NA	Water	SM 4500 SO4 E	



# QC Sample Results

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

Job ID: 500-203241-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 500-612797/1-A**  
**Matrix: Water**  
**Analysis Batch: 612956**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 612797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		08/05/21 07:49	08/05/21 18:45	1

**Lab Sample ID: LCS 500-612797/2-A**  
**Matrix: Water**  
**Analysis Batch: 612956**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 612797**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.533		mg/L		107	80 - 120

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

**Lab Sample ID: MB 500-612797/1-A**  
**Matrix: Water**  
**Analysis Batch: 613065**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 612797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/05/21 07:49	08/05/21 16:34	1
Arsenic	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:34	1
Barium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:34	1
Beryllium	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:34	1
Cadmium	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:34	1
Calcium	<0.20		0.20		mg/L		08/05/21 07:49	08/05/21 16:34	1
Chromium	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:34	1
Cobalt	<0.0010		0.0010		mg/L		08/05/21 07:49	08/05/21 16:34	1
Lead	<0.00050		0.00050		mg/L		08/05/21 07:49	08/05/21 16:34	1
Molybdenum	<0.0050		0.0050		mg/L		08/05/21 07:49	08/05/21 16:34	1
Selenium	<0.0025		0.0025		mg/L		08/05/21 07:49	08/05/21 16:34	1
Thallium	<0.0020		0.0020		mg/L		08/05/21 07:49	08/05/21 16:34	1

**Lab Sample ID: MB 500-612797/1-A**  
**Matrix: Water**  
**Analysis Batch: 613310**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 612797**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		08/05/21 07:49	08/06/21 19:41	1

**Lab Sample ID: LCS 500-612797/2-A**  
**Matrix: Water**  
**Analysis Batch: 613065**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 612797**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.496		mg/L		99	80 - 120
Arsenic	0.100	0.0972		mg/L		97	80 - 120
Barium	2.00	1.98		mg/L		99	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120
Cadmium	0.0500	0.0495		mg/L		99	80 - 120
Calcium	10.0	10.1		mg/L		101	80 - 120
Chromium	0.200	0.203		mg/L		101	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.100	0.109		mg/L		109	80 - 120

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# QC Sample Results

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

Job ID: 500-203241-1

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

Lab Sample ID: LCS 500-612797/2-A  
Matrix: Water  
Analysis Batch: 613065

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 612797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	1.00	0.964		mg/L		96	80 - 120
Selenium	0.100	0.0982		mg/L		98	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-612797/2-A  
Matrix: Water  
Analysis Batch: 613310

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 612797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	0.904		mg/L		90	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-613752/12-A  
Matrix: Water  
Analysis Batch: 613971

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 613752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/11/21 09:40	08/12/21 07:28	1

Lab Sample ID: LCS 500-613752/13-A  
Matrix: Water  
Analysis Batch: 613971

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 613752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00214		mg/L		107	80 - 120

Lab Sample ID: 500-203241-7 MS  
Matrix: Water  
Analysis Batch: 613971

Client Sample ID: MW-13  
Prep Type: Total/NA  
Prep Batch: 613752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000900		mg/L		90	75 - 125

Lab Sample ID: 500-203241-7 MSD  
Matrix: Water  
Analysis Batch: 613971

Client Sample ID: MW-13  
Prep Type: Total/NA  
Prep Batch: 613752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000894		mg/L		89	75 - 125	1	20

Lab Sample ID: 500-203241-7 DU  
Matrix: Water  
Analysis Batch: 613971

Client Sample ID: MW-13  
Prep Type: Total/NA  
Prep Batch: 613752

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: 500-203241-1

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

**Lab Sample ID: MB 500-613300/1**  
**Matrix: Water**  
**Analysis Batch: 613300**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			08/09/21 04:56	1

**Lab Sample ID: LCS 500-613300/2**  
**Matrix: Water**  
**Analysis Batch: 613300**

**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	234		mg/L		94	80 - 120

**Lab Sample ID: 500-203241-1 MS**  
**Matrix: Water**  
**Analysis Batch: 613300**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1300		250	1580	4	mg/L		125	75 - 125

**Lab Sample ID: 500-203241-1 DU**  
**Matrix: Water**  
**Analysis Batch: 613300**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300			1310		mg/L		4	5

**Lab Sample ID: 500-203241-2 DU**  
**Matrix: Water**  
**Analysis Batch: 613300**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200			1170		mg/L		0.9	5

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

**Lab Sample ID: MB 500-615332/16**  
**Matrix: Water**  
**Analysis Batch: 615332**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/20/21 13:33	1

**Lab Sample ID: LCS 500-615332/17**  
**Matrix: Water**  
**Analysis Batch: 615332**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	19.8		mg/L		99	85 - 115

# QC Sample Results

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

Job ID: 500-203241-1

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

Lab Sample ID: 500-203241-1 MS  
Matrix: Water  
Analysis Batch: 615332

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	18		20.0	35.3		mg/L		85	75 - 125

Lab Sample ID: 500-203241-1 MSD  
Matrix: Water  
Analysis Batch: 615332

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18		20.0	35.3		mg/L		85	75 - 125	0	20

## Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-615316/3  
Matrix: Water  
Analysis Batch: 615316

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			08/20/21 09:53	1

Lab Sample ID: LCS 500-615316/4  
Matrix: Water  
Analysis Batch: 615316

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.3		mg/L		103	90 - 119

Lab Sample ID: 500-203241-1 MS  
Matrix: Water  
Analysis Batch: 615316

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.65		5.00	5.86		mg/L		104	75 - 125

Lab Sample ID: 500-203241-1 MSD  
Matrix: Water  
Analysis Batch: 615316

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.65		5.00	5.86		mg/L		104	75 - 125	0	20

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

Lab Sample ID: MB 500-615333/15  
Matrix: Water  
Analysis Batch: 615333

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			08/20/21 12:49	1

# QC Sample Results

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

Job ID: 500-203241-1

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

**Lab Sample ID: LCS 500-615333/16**  
**Matrix: Water**  
**Analysis Batch: 615333**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.9		mg/L		104	88 - 123

**Lab Sample ID: 500-203241-1 MS**  
**Matrix: Water**  
**Analysis Batch: 615333**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	410		20.0	425	4	mg/L		64	75 - 125

**Lab Sample ID: 500-203241-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 615333**

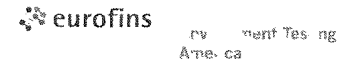
**Client Sample ID: MW-01**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	410		20.0	417	4	mg/L		27	75 - 125	2	20

**Eurofins TestAmerica, 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		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-93458-41579 1							
Client Contact Richard Gnat		Phone		E Mail Diana.Mockler@Eurofinset.com		State of Origin		Page Page 1 of 1							
Company KPRG and Associates Inc		PWSID		<b>Analysis Requested</b>						Job # <b>500-203241</b>					
Address 14665 West Lisbon Road Suite 1A		Due Date Requested		Perform MS/MSD (Yes or No) 903.0 904.0 6010C 6020A 7470A 2540C 4500_F_C SM4500_C1_E, SM4500_SO4_E						Preservation Codes					
City Brookfield		TAT Requested (days)								A HCL M Hexane					
State Zip WI 53005		Compliance Project: \ Yes \ No								B NaOH N None					
Phone 500-203241 COC		PO # 4502041043								C Zn Acetate O AsNaO2					
Email richardg@kprginc.com		WO #								D Nitric Acid P Na2O4S					
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project # 50011609		E NaHSO4 Q Na2SO3											
Site Illinois		SSOW#		F MeOH R Na2S2O3											
				G Amchlor S H2SO4											
				H Ascorbic Acid T TSP Dodecahydrate											
				I Ice U Acetone											
				J DI Water V MCAA											
				K EDTA W pH 4-5											
				L EDA Z other (specify)											
				Other											
				Total Number of Containers											
				Special Instructions/Note											
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note	
						Preservation Code				D D N					
1 MW-01		8-2		1315				Water		X X X					
2 MW-02		8-2		1454				Water							
3 MW-03		8-2		1054				Water							
4 MW-04		8-2		1620				Water							
5 MW-07		8-2		1409				Water							
6 MW-08		8-2		1523				Water							
7 MW 13		8-2		1548				Water							
8 MW-14		8-2		1432				Water							
9 MW 15		8-2		1341				Water							
10 Duplicate		8-2		-				Water							
<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		Date/Time		Company		Received by		Date/Time		Company					
8/2		8pm		KPRG		8-3-21		14:00		TA					
8/3/21		1700		TA		8/4/21		1010		ETA/HT					
Custody Seals Intact.		Custody Seal No		Cooler Temperature(s) °C and Other Remarks											
△ Yes △ No				-0.4, 0.4, 0.3											

ORDER IN ENVIRONMENTAL TESTING

ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 69.25 LB  
CAD: 525155/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECEIPT**  
**TESTAMERICA LABS**  
**2417 BOND STREET**



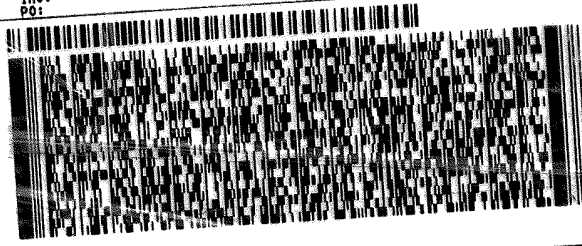
3/05/02

**UNIVERSITY PARK IL 60484**

500-203241 Wayb

(708) 634-6200  
INU:  
PO:

REF:  
DEPT:



**WED - 04 AUG 10:30A**  
**PRIORITY OVERNIGHT**

1 of 3  
TRK# 7125 4945 0367  
0201  
## MASTER ##

**79 JOTA**

08 04  
0367  
A  
10:30  
5



ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 66.30 LB  
CAD: 525155/CAFE3406

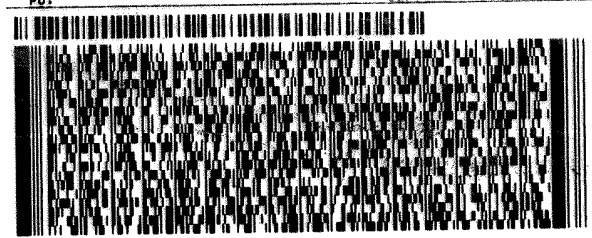
BILL RECIPIENT

TO **SAMPLE RECEIPT**  
**TESTAMERICA LABS**  
**2417 BOND STREET**

**UNIVERSITY PARK IL 60484**

(708) 634-6200  
INU:  
PO:

REF:  
DEPT:



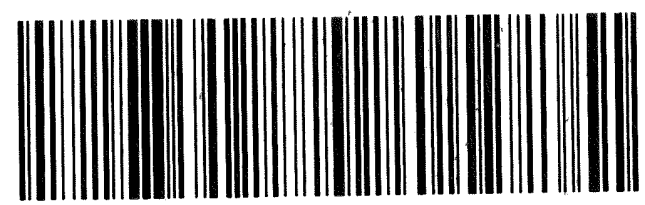
**WED - 04 AUG 10:30A**  
**PRIORITY OVERNIGHT**

2 of 3  
MPS# 7125 4945 0378  
0269  
Mstr# 7125 4945 0367

0201

**79 JOTA**

60484  
IL - US  
ORD



ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 62.45 LB  
CAD: 525155/CAFE3406

BILL RECIPIENT

TO **SAMPLE RECEIPT**  
**TESTAMERICA LABS**  
**2417 BOND STREET**

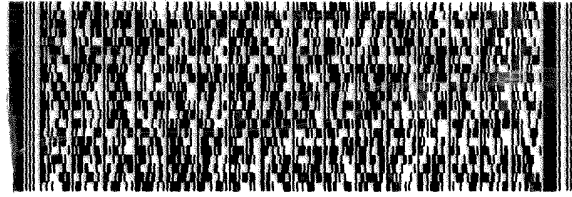
**UNIVERSITY PARK IL 60484**

(708) 584-5200

REF:

INV:

DEPT:



**FedEx**  
Express



420101911069740

3 of 3

MPS# 7125 4945 0389  
0263

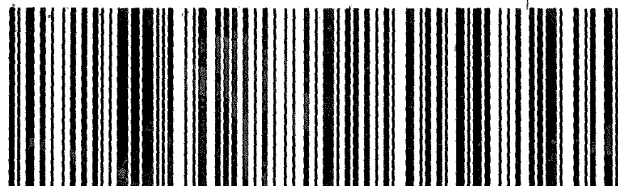
Mstr# 7125 4945 0367

0201

**WED - 04 AUG 10:30A**  
**PRIORITY OVERNIGHT**

**79 JOTA**

**60484**  
IL-US **ORD**



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# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-151144.1
Client Contact: Shipping/Receiving		Phone: Diana Mockler@Eurofinset.com	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana Mockler@Eurofinset.com	Job #: 500-203241-2
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois	Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, Other:
City: Earth City		Due Date Requested: 8/24/2021	M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State/Zip: MO, 63045		TAT Requested (days):	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:	
Email:		WO #:	
Project Name: Will County CCR		Project #:	
Site: NRG Midwest Generation Will County		SSOW#:	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Snow, Ice, Other)	Field Filtered Sample (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Total Number of Containers	Special Instructions/Note:
MW-01 (500-203241-1)	8/2/21	13:15 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-02 (500-203241-2)	8/2/21	14:54 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-03 (500-203241-3)	8/2/21	16:54 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-04 (500-203241-4)	8/2/21	16:20 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-07 (500-203241-5)	8/2/21	14:09 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-08 (500-203241-6)	8/2/21	15:23 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-13 (500-203241-7)	8/2/21	15:48 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-14 (500-203241-8)	8/2/21	14:32 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-15 (500-203241-9)	8/2/21	13:41 Central	Water	Water	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 TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

**Possible Hazard Identification**  
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements:

Relinquished by: <i>Alvin Abbotts</i>	Date: 8/4/21	Company: <i>ETA-CR</i>	Received by: <i>Mona Kewinings</i>	Date/Time: AUG 05 2021 08:44	Company: <i>ETA SD</i>
Relinquished by: <b>FEDEX</b>	Date: 1500	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact:  Yes  No  Custody Seal No.:

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



# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b> Client Contact: _____ Shipping/Receiving: _____ Company: TestAmerica Laboratories, Inc.		Lab PM: Mockler, Diana J E-Mail: Diana.Mockler@Eurofinset.com		Carrier Tracking No(s): _____ State of Origin: Illinois		COC No: 500-151144.2 Page: Page 2 of 2 Job #: 500-203241-2	
Address: 13715 Rider Trail North, City: Earth City State/Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email: _____		Due Date Requested: 8/24/2021 TAT Requested (days): _____ PO #: _____ WO #: _____ Project #: 50011609 SSOW#: _____		Accreditations Required (See note): NELAP - Illinois		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
<b>Sample Identification - Client ID (Lab ID)</b> Duplicate (500-203241-10)				Sample Date: 8/2/21 Sample Time: Central Sample Type (C=comp, G=grab): _____ Matrix (Water, Swill, On-waste, Oil, BT-TBSS, AWA): Water		Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> X Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> X 903.0/PreSep_21 Standard Target List: <input checked="" type="checkbox"/> X 904.0/PreSep_0 Standard Target List: <input checked="" type="checkbox"/> X	
Total Number of Containers: 3				Special Instructions/Note: Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.			
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.							
<b>Possible Hazard Identification</b> Unconfirmed _____ Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>Shirley Brooks</i> Date: 8/14/21 Relinquished by: _____ Date: _____ Relinquished by: _____ Date: _____ Custody Seals Intact: _____ A Yes Δ No							
<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 Special Instructions/QC Requirements: _____							
Received by: <i>ATHENA KOUKINGA</i> Date: AUG 05 2021 08:44 Company: BPA Company				Received by: _____ Date: _____ Company: _____			
Cooler Temperature(s) °C and Other Remarks: _____							

**Eurofins TestAmerica, Chicago**

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

**Chain of Custody Record**



Environment Testing  
America

<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):			
Client Contact: Shipping/Receiving		Phone:		COC No: 500-151144.1			
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@Eurofinsnet.com		Page: Page 1 of 2			
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-203241-1			
City: Earth City		Due Date Requested: 8/24/2021		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
State, Zip: MO, 63045		TAT Requested (days):		Analysis Requested			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #:		Total Number of Containers			
Email:		WO #:		Special Instructions/Note:			
Project Name: Will County CCR		Project #: 50011609		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;			
Site: NRG Midwest Generation Will County		SSOW#:		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=on-site, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	Preservation Code:
MW-01 (500-203241-1)	8/2/21	13:15 Central		Water	X	X	
MW-02 (500-203241-2)	8/2/21	14:54 Central		Water	X	X	
MW-03 (500-203241-3)	8/2/21	16:54 Central		Water	X	X	
MW-04 (500-203241-4)	8/2/21	16:20 Central		Water	X	X	
MW-07 (500-203241-5)	8/2/21	14:09 Central		Water	X	X	
MW-08 (500-203241-6)	8/2/21	15:23 Central		Water	X	X	
MW-13 (500-203241-7)	8/2/21	15:48 Central		Water	X	X	
MW-14 (500-203241-8)	8/2/21	14:32 Central		Water	X	X	
MW-15 (500-203241-9)	8/2/21	13:41 Central		Water	X	X	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance.

**Possible Hazard Identification**  
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *Shirley Scott* Date/Time: 8/4/21 15:00 Company: FEDEX  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: FEDEX  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_  
 Δ Yes Δ No

Received by: *MICHA KOWALSKI* Date/Time: AUG 05 2021 08:44 Company: ETM SD  
 Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks:



# Chain of Custody Record

<b>Client Information (Sub Contract Lab)</b>		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact:		Phone:		Mockler, Diana J				500-151144.2	
Shipping/Receiving				E-Mail:		State of Origin:		Page:	
Company:				Diana.Mockler@Eurofins.com		Illinois		Page 2 of 2	
Address:		Due Date Requested:		Accreditations Required (See note):		Job #:		Preservation Codes:	
13715 Rider Trail North,		8/24/2021		NELAP - Illinois		500-203241-1		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 R - Na2SO3 F - MeOH S - H2SO4 G - Archlor T - TSP Dodecahydrate H - Ascorbic Acid I - Ice J - DI Water U - Acetone K - EDTA V - MCAA W - pH 4-5 L - EDA Z - other (specify) Other:	
City:		TAT Requested (days):		Analysis Requested		Total Number of Containers		Special Instructions/Note:	
Earth City						3		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
State, Zip		PO #:		Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)			
MO, 63045				X		X			
Phone:		WO #:		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Solid, O=Water/Oil, BT=Blood, A=Air)			
314-298-8566(Tel) 314-298-8757(Fax)				Central		Water			
Email:		Project #:		Sample Date		Preservation Code:			
		50011609		8/2/21					
Site:		SSOW#:		Sample Identification - Client ID (Lab ID)					
NRG Midwest Generation Will County				Duplicate (500-203241-10)					

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

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *Shin Scott* Date/Time: *8/24/21 1500* Received by: *MICHA KORNIAK* Date/Time: *AUG 05 2021 08:41* Company: *EMA*

Relinquished by: **FED EX** Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_

Δ Yes Δ No

# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-203241-1

**Login Number: 203241**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

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	-0.4,0.4,0.3 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Lab Chronicle

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

Job ID: 500-203241-1

**Client Sample ID: MW-01**  
**Date Collected: 08/02/21 13:15**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 19:47	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 16:41	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	613310	08/06/21 19:48	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 07:36	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:06	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	615332	08/20/21 13:34	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 09:59	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	615333	08/20/21 12:50	MS	TAL CHI

**Client Sample ID: MW-02**  
**Date Collected: 08/02/21 14:54**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 19:50	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 16:45	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	613310	08/06/21 19:52	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 07:38	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	615332	08/20/21 13:34	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:07	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 12:51	MS	TAL CHI

**Client Sample ID: MW-03**  
**Date Collected: 08/02/21 16:54**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 19:53	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 16:48	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	613310	08/06/21 19:55	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 07:41	MJG	TAL CHI

Eurofins TestAmerica, Chicago

# Lab Chronicle

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

Job ID: 500-203241-1

**Client Sample ID: MW-03**  
**Date Collected: 08/02/21 16:54**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	615332	08/20/21 13:34	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:10	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	615333	08/20/21 12:52	MS	TAL CHI

**Client Sample ID: MW-04**  
**Date Collected: 08/02/21 16:20**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 19:57	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 16:52	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	613310	08/06/21 19:59	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 07:43	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:21	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	615332	08/20/21 13:34	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:13	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	615333	08/20/21 12:58	MS	TAL CHI

**Client Sample ID: MW-07**  
**Date Collected: 08/02/21 14:09**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:00	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 16:55	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	613310	08/06/21 20:09	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 07:45	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	615332	08/20/21 13:35	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:16	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 12:52	MS	TAL CHI

# Lab Chronicle

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

Job ID: 500-203241-1

**Client Sample ID: MW-08**  
**Date Collected: 08/02/21 15:23**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:04	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 17:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	613310	08/06/21 20:12	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 08:45	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:27	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	615332	08/20/21 13:35	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:19	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 12:52	MS	TAL CHI

**Client Sample ID: MW-13**  
**Date Collected: 08/02/21 15:48**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:07	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 17:09	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	613310	08/06/21 20:16	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 08:47	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:29	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	615332	08/20/21 13:36	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:32	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	615333	08/20/21 12:54	MS	TAL CHI

**Client Sample ID: MW-14**  
**Date Collected: 08/02/21 14:32**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:10	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 17:12	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	613310	08/06/21 20:19	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 09:00	MJG	TAL CHI

Eurofins TestAmerica, Chicago



# Lab Chronicle

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

Job ID: 500-203241-1

**Client Sample ID: MW-14**

**Lab Sample ID: 500-203241-8**

**Date Collected: 08/02/21 14:32**

**Matrix: Water**

**Date Received: 08/04/21 10:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:32	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	615332	08/20/21 13:36	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:34	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 12:54	MS	TAL CHI

**Client Sample ID: MW-15**

**Lab Sample ID: 500-203241-9**

**Date Collected: 08/02/21 13:41**

**Matrix: Water**

**Date Received: 08/04/21 10:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:14	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 17:16	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	613310	08/06/21 20:23	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 09:02	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:34	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	615332	08/20/21 13:36	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:37	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 12:54	MS	TAL CHI

**Client Sample ID: Duplicate**

**Lab Sample ID: 500-203241-10**

**Date Collected: 08/02/21 00:00**

**Matrix: Water**

**Date Received: 08/04/21 10:10**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	612956	08/05/21 20:17	EEN	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 17:19	FXG	TAL CHI
Total Recoverable	Prep	3005A			612797	08/05/21 07:49	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	613310	08/06/21 20:26	FXG	TAL CHI
Total/NA	Prep	7470A			613752	08/11/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	613971	08/12/21 09:04	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	613300	08/09/21 05:37	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	615332	08/20/21 13:53	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	615316	08/20/21 10:40	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	615333	08/20/21 13:02	MS	TAL CHI

**Laboratory References:**

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

Eurofins TestAmerica, Chicago

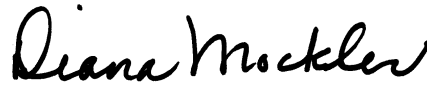
## ANALYTICAL REPORT

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

Laboratory Job ID: 500-203241-2  
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:  
9/7/2021 8:19:50 AM

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

### LINKS

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

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

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# Case Narrative

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

Job ID: 500-203241-2

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## Job ID: 500-203241-2

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### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

#### Job Narrative 500-203241-2

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/4/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.4° C, 0.3° C and 0.4° C.

#### RAD

Methods 903.0, 9315: Radium 226 prep batch 160-521708

The matrix spike duplicate (MSD) recovery was outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. (310-212109-C-3-B MSD)

Methods 903.0, 9315: Radium 226 prep batch 160-521708

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 (500-203241-1), MW-02 (500-203241-2), MW-03 (500-203241-3), MW-04 (500-203241-4), MW-07 (500-203241-5), MW-08 (500-203241-6), MW-13 (500-203241-7), MW-14 (500-203241-8), MW-15 (500-203241-9), Duplicate (500-203241-10), (LCS 160-521708/1-A), (MB 160-521708/25-A), (500-203241-D-1-B DU), (310-212109-D-3-A), (310-212109-C-3-A MS) and (310-212109-C-3-B MSD)

Methods 904.0, 9320: Radium-228 Batch 521715

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 (500-203241-1), MW-02 (500-203241-2), MW-03 (500-203241-3), MW-04 (500-203241-4), MW-07 (500-203241-5), MW-08 (500-203241-6), MW-13 (500-203241-7), MW-14 (500-203241-8), MW-15 (500-203241-9), Duplicate (500-203241-10), (LCS 160-521715/1-A), (MB 160-521715/25-A), (500-203241-D-1-C DU), (310-212109-D-3-B), (310-212109-C-3-C MS) and (310-212109-C-3-D MSD)

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

Job ID: 500-203241-2

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

#### Protocol References:

EPA = US Environmental Protection Agency

None = None

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

#### Laboratory References:

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

# Sample Summary

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

Job ID: 500-203241-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-203241-1	MW-01	Water	08/02/21 13:15	08/04/21 10:10
500-203241-2	MW-02	Water	08/02/21 14:54	08/04/21 10:10
500-203241-3	MW-03	Water	08/02/21 16:54	08/04/21 10:10
500-203241-4	MW-04	Water	08/02/21 16:20	08/04/21 10:10
500-203241-5	MW-07	Water	08/02/21 14:09	08/04/21 10:10
500-203241-6	MW-08	Water	08/02/21 15:23	08/04/21 10:10
500-203241-7	MW-13	Water	08/02/21 15:48	08/04/21 10:10
500-203241-8	MW-14	Water	08/02/21 14:32	08/04/21 10:10
500-203241-9	MW-15	Water	08/02/21 13:41	08/04/21 10:10
500-203241-10	Duplicate	Water	08/02/21 00:00	08/04/21 10:10

- 1
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# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-01**  
Date Collected: 08/02/21 13:15  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-1**  
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0542	U	0.186	0.186	1.00	0.350	pCi/L	08/06/21 13:32	09/02/21 20:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.9		40 - 110					08/06/21 13:32	09/02/21 20:49	1

**Method: 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>0.424</b>		0.234	0.237	1.00	0.347	pCi/L	08/06/21 14:52	09/02/21 14:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.9		40 - 110					08/06/21 14:52	09/02/21 14:29	1
Y Carrier	86.7		40 - 110					08/06/21 14:52	09/02/21 14:29	1

**Method: 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>0.478</b>		0.299	0.301	5.00	0.350	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-02**  
Date Collected: 08/02/21 14:54  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-2**  
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.223	0.223	1.00	0.396	pCi/L	08/06/21 13:32	09/02/21 20:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.9		40 - 110					08/06/21 13:32	09/02/21 20:49	1

**Method: 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>0.688</b>		0.275	0.282	1.00	0.392	pCi/L	08/06/21 14:52	09/02/21 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.9		40 - 110					08/06/21 14:52	09/02/21 14:32	1
Y Carrier	89.3		40 - 110					08/06/21 14:52	09/02/21 14:32	1

**Method: 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>0.798</b>		0.354	0.360	5.00	0.396	pCi/L		09/03/21 17:29	1



# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-03**

**Lab Sample ID: 500-203241-3**

Date Collected: 08/02/21 16:54

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.354	U	0.255	0.257	1.00	0.365	pCi/L	08/06/21 13:32	09/02/21 20:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		40 - 110					08/06/21 13:32	09/02/21 20:49	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.809		0.301	0.310	1.00	0.416	pCi/L	08/06/21 14:52	09/02/21 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		40 - 110					08/06/21 14:52	09/02/21 14:32	1
Y Carrier	84.1		40 - 110					08/06/21 14:52	09/02/21 14:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.16		0.394	0.403	5.00	0.416	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-04**  
Date Collected: 08/02/21 16:20  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-4**  
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.238	U	0.228	0.229	1.00	0.355	pCi/L	08/06/21 13:32	09/02/21 20:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		40 - 110					08/06/21 13:32	09/02/21 20:49	1

**Method: 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>0.946</b>		0.294	0.306	1.00	0.388	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	89.0		40 - 110					08/06/21 14:52	09/02/21 14:33	1

**Method: 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>1.18</b>		0.372	0.382	5.00	0.388	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-07**

**Lab Sample ID: 500-203241-5**

Date Collected: 08/02/21 14:09

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.737		0.453	0.458	1.00	0.642	pCi/L	08/06/21 13:32	09/02/21 20:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.3		40 - 110					08/06/21 13:32	09/02/21 20:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.335	U	0.319	0.321	1.00	0.515	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.3		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	91.6		40 - 110					08/06/21 14:52	09/02/21 14:33	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.07		0.554	0.559	5.00	0.642	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-08**

**Lab Sample ID: 500-203241-6**

Date Collected: 08/02/21 15:23

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0856	U	0.253	0.253	1.00	0.460	pCi/L	08/06/21 13:32	09/02/21 20:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		40 - 110					08/06/21 13:32	09/02/21 20:50	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448		0.242	0.246	1.00	0.362	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	90.1		40 - 110					08/06/21 14:52	09/02/21 14:33	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.533		0.350	0.353	5.00	0.460	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-13**  
Date Collected: 08/02/21 15:48  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-7**  
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.317	U	0.281	0.283	1.00	0.435	pCi/L	08/06/21 13:32	09/02/21 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		40 - 110					08/06/21 13:32	09/02/21 20:41	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.207	U	0.269	0.270	1.00	0.447	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	91.2		40 - 110					08/06/21 14:52	09/02/21 14:33	1

**Method: 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>0.523</b>		0.389	0.391	5.00	0.447	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-14**  
Date Collected: 08/02/21 14:32  
Date Received: 08/04/21 10:10

**Lab Sample ID: 500-203241-8**  
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.457	U	0.324	0.326	1.00	0.463	pCi/L	08/06/21 13:32	09/02/21 20:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.9		40 - 110					08/06/21 13:32	09/02/21 20:41	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.791		0.401	0.407	1.00	0.594	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.9		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	82.6		40 - 110					08/06/21 14:52	09/02/21 14:33	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.25		0.516	0.521	5.00	0.594	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: MW-15**

**Lab Sample ID: 500-203241-9**

Date Collected: 08/02/21 13:41

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.626		0.362	0.367	1.00	0.494	pCi/L	08/06/21 13:32	09/02/21 20:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.5		40 - 110					08/06/21 13:32	09/02/21 20:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.674		0.327	0.333	1.00	0.475	pCi/L	08/06/21 14:52	09/02/21 14:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.5		40 - 110					08/06/21 14:52	09/02/21 14:33	1
Y Carrier	88.2		40 - 110					08/06/21 14:52	09/02/21 14:33	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.30		0.488	0.496	5.00	0.494	pCi/L		09/03/21 17:29	1

# Client Sample Results

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

Job ID: 500-203241-2

**Client Sample ID: Duplicate**

**Lab Sample ID: 500-203241-10**

Date Collected: 08/02/21 00:00

Matrix: Water

Date Received: 08/04/21 10:10

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.328	U	0.273	0.275	1.00	0.417	pCi/L	08/06/21 13:32	09/02/21 20:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		40 - 110					08/06/21 13:32	09/02/21 20:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.756		0.280	0.289	1.00	0.387	pCi/L	08/06/21 14:52	09/02/21 14:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		40 - 110					08/06/21 14:52	09/02/21 14:34	1
Y Carrier	89.3		40 - 110					08/06/21 14:52	09/02/21 14:34	1

### Method: Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.08		0.391	0.399	5.00	0.417	pCi/L		09/03/21 17:29	1



# Definitions/Glossary

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

Job ID: 500-203241-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

## Glossary

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

# QC Association Summary

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

Job ID: 500-203241-2

## Rad

### Prep Batch: 521708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	PrecSep-21	
500-203241-2	MW-02	Total/NA	Water	PrecSep-21	
500-203241-3	MW-03	Total/NA	Water	PrecSep-21	
500-203241-4	MW-04	Total/NA	Water	PrecSep-21	
500-203241-5	MW-07	Total/NA	Water	PrecSep-21	
500-203241-6	MW-08	Total/NA	Water	PrecSep-21	
500-203241-7	MW-13	Total/NA	Water	PrecSep-21	
500-203241-8	MW-14	Total/NA	Water	PrecSep-21	
500-203241-9	MW-15	Total/NA	Water	PrecSep-21	
500-203241-10	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-521708/25-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-521708/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-203241-1 DU	MW-01	Total/NA	Water	PrecSep-21	

### Prep Batch: 521715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203241-1	MW-01	Total/NA	Water	PrecSep_0	
500-203241-2	MW-02	Total/NA	Water	PrecSep_0	
500-203241-3	MW-03	Total/NA	Water	PrecSep_0	
500-203241-4	MW-04	Total/NA	Water	PrecSep_0	
500-203241-5	MW-07	Total/NA	Water	PrecSep_0	
500-203241-6	MW-08	Total/NA	Water	PrecSep_0	
500-203241-7	MW-13	Total/NA	Water	PrecSep_0	
500-203241-8	MW-14	Total/NA	Water	PrecSep_0	
500-203241-9	MW-15	Total/NA	Water	PrecSep_0	
500-203241-10	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-521715/25-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-521715/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-203241-1 DU	MW-01	Total/NA	Water	PrecSep_0	

# QC Sample Results

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

Job ID: 500-203241-2

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

**Lab Sample ID: MB 160-521708/25-A**  
**Matrix: Water**  
**Analysis Batch: 525246**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 521708**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04208	U	0.181	0.181	1.00	0.344	pCi/L	08/06/21 13:32	09/02/21 20:43	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	104		40 - 110		08/06/21 13:32	09/02/21 20:43	1			

**Lab Sample ID: LCS 160-521708/1-A**  
**Matrix: Water**  
**Analysis Batch: 525247**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 521708**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.003		1.21	1.00	0.338	pCi/L	79	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	101		40 - 110						

**Lab Sample ID: 500-203241-1 DU**  
**Matrix: Water**  
**Analysis Batch: 525247**

**Client Sample ID: MW-01**  
**Prep Type: Total/NA**  
**Prep Batch: 521708**

Analyte	Sample Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0542	U	0.1460	U	0.247	1.00	0.429	pCi/L	0.21	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	96.9		40 - 110							

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

**Lab Sample ID: MB 160-521715/25-A**  
**Matrix: Water**  
**Analysis Batch: 525399**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 521715**

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.03301	U	0.199	0.199	1.00	0.362	pCi/L	08/06/21 14:52	09/02/21 14:36	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	104		40 - 110		08/06/21 14:52	09/02/21 14:36	1			
Y Carrier	90.8		40 - 110		08/06/21 14:52	09/02/21 14:36	1			

# QC Sample Results

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

Job ID: 500-203241-2

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

**Lab Sample ID: LCS 160-521715/1-A**  
**Matrix: Water**  
**Analysis Batch: 525247**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 521715**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits																									
									75	125																								
Radium-228	9.37	9.102		1.05	1.00	0.353	pCi/L	97	75	125																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>LCS</th> <th>LCS</th> <th colspan="2"></th> </tr> <tr> <th>Carrier</th> <th>%Yield</th> <th>Qualifier</th> <th>Limits</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>101</td> <td></td> <td>40 - 110</td> <td colspan="2"></td> </tr> <tr> <td>Y Carrier</td> <td>88.2</td> <td></td> <td>40 - 110</td> <td colspan="2"></td> </tr> </tbody> </table>													LCS	LCS			Carrier	%Yield	Qualifier	Limits			Ba Carrier	101		40 - 110			Y Carrier	88.2		40 - 110		
		LCS	LCS																															
Carrier	%Yield	Qualifier	Limits																															
Ba Carrier	101		40 - 110																															
Y Carrier	88.2		40 - 110																															

**Lab Sample ID: 500-203241-1 DU**  
**Matrix: Water**  
**Analysis Batch: 525247**

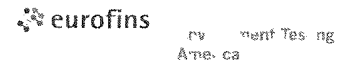
**Client Sample ID: MW-01**  
**Prep Type: Total/NA**  
**Prep Batch: 521715**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit																								
										1																								
Radium-228	0.424		0.5917		0.305	1.00	0.453	pCi/L	0.31	1																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>DU</th> <th>DU</th> <th colspan="2"></th> </tr> <tr> <th>Carrier</th> <th>%Yield</th> <th>Qualifier</th> <th>Limits</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>Ba Carrier</td> <td>96.9</td> <td></td> <td>40 - 110</td> <td colspan="2"></td> </tr> <tr> <td>Y Carrier</td> <td>87.9</td> <td></td> <td>40 - 110</td> <td colspan="2"></td> </tr> </tbody> </table>													DU	DU			Carrier	%Yield	Qualifier	Limits			Ba Carrier	96.9		40 - 110			Y Carrier	87.9		40 - 110		
		DU	DU																															
Carrier	%Yield	Qualifier	Limits																															
Ba Carrier	96.9		40 - 110																															
Y Carrier	87.9		40 - 110																															

**Eurofins TestAmerica, 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		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No 500-93458-41579 1							
Client Contact Richard Gnat		Phone		E Mail Diana.Mockler@Eurofinset.com		State of Origin		Page Page 1 of 1							
Company KPRG and Associates Inc		PWSID		<b>Analysis Requested</b>						Job # <b>500-203241</b>					
Address 14665 West Lisbon Road Suite 1A		Due Date Requested		Perform MS/MSD (Yes or No) 903.0 904.0 6010C 6020A 7470A 2540C 4500_F_C SM4500_C1_E, SM4500_SO4_E						Preservation Codes					
City Brookfield		TAT Requested (days)								A HCL M Hexane					
State Zip WI 53005		Compliance Project: \ Yes \ No								B NaOH N None					
Phone 500-203241 COC		PO # 4502041043								C Zn Acetate O AsNaO2					
Email richardg@kprginc.com		WO #								D Nitric Acid P Na2O4S					
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project # 50011609		E NaHSO4 Q Na2SO3											
Site Illinois		SSOW#		F MeOH R Na2S2O3											
				G Amchlor S H2SO4											
				H Ascorbic Acid T TSP Dodecahydrate											
				I Ice U Acetone											
				J DI Water V MCAA											
				K EDTA W pH 4-5											
				L EDA Z other (specify)											
				Other											
				Total Number of Containers											
				Special Instructions/Note											
<b>Sample Identification</b>		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note	
						Preservation Code									
1 MW-01		8-2		1315				Water							
2 MW-02		8-2		1454				Water							
3 MW-03		8-2		1054				Water							
4 MW-04		8-2		1620				Water							
5 MW-07		8-2		1409				Water							
6 MW-08		8-2		1523				Water							
7 MW 13		8-2		1548				Water							
8 MW-14		8-2		1432				Water							
9 MW 15		8-2		1341				Water							
10 Duplicate		8-2		-				Water							
<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		Date/Time		Company		Received by		Date/Time		Company					
8/2		8pm		KPRG		8-3-21		14:00		TA					
8/3/21		1700		TA		8/4/21		1010		ETA/HT					
Custody Seals Intact.		Custody Seal No		Cooler Temperature(s) °C and Other Remarks											
△ Yes △ No															

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ORDER IN ENVIRONMENTAL TESTING

ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 69.25 LB  
CAD: 525155/CAFE3406

BILL RECIPIENT

3/05/02

TO **SAMPLE RECEIPT**  
**TESTAMERICA LABS**  
**2417 BOND STREET**

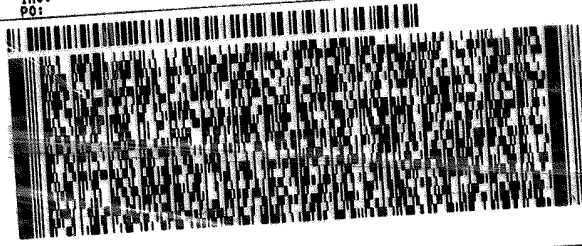


500-203241 Wayb

**UNIVERSITY PARK IL 60484**

(708) 634-6200  
INU:  
PO:

REF:  
DEPT:



**WED - 04 AUG 10:30A**  
**PRIORITY OVERNIGHT**

1 of 3  
TRK# 7125 4945 0367  
0201  
## MASTER ##

**79 JOTA**

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ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 66.30 LB  
CAD: 525155/CAFE3406

BILL RECIPIENT

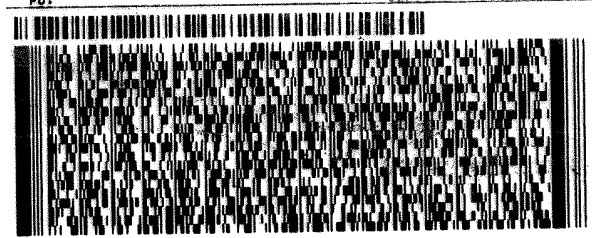
3/05/02

TO **SAMPLE RECEIPT**  
**TESTAMERICA LABS**  
**2417 BOND STREET**

**UNIVERSITY PARK IL 60484**

(708) 634-6200  
INU:  
PO:

REF:  
DEPT:



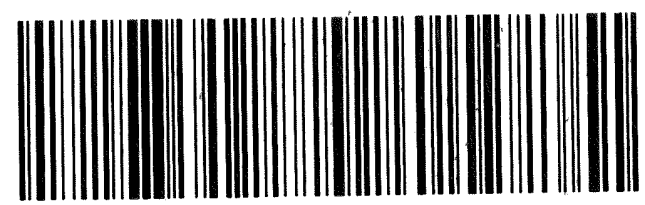
**WED - 04 AUG 10:30A**  
**PRIORITY OVERNIGHT**

2 of 3  
MPS# 7125 4945 0378  
0269  
Mstr# 7125 4945 0367

0201

**79 JOTA**

60484  
IL - US  
ORD



ORIGIN ID:RRLA (262) 202-5955  
SHIPPING  
TESTAMERICA  
4125 N 124TH ST  
BROOKFIELD, WI 53005  
UNITED STATES US

SHIP DATE: 03AUG21  
ACTWGT: 62.45 LB  
CAD: 525155/CAFE3406

BILL RECIPIENT

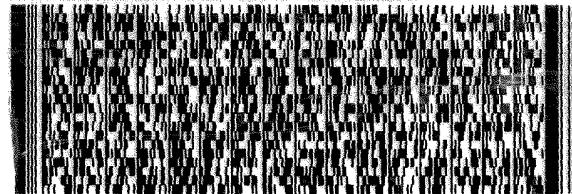
TO **SAMPLE RECEIPT  
TESTAMERICA LABS  
2417 BOND STREET**

**UNIVERSITY PARK IL 60484**

(708) 534-5200  
TNU:  
PO:

REF:

DEPT:



**FedEx  
Express**



420101911069740

3 of 3

MPS# 7125 4945 0389  
0263

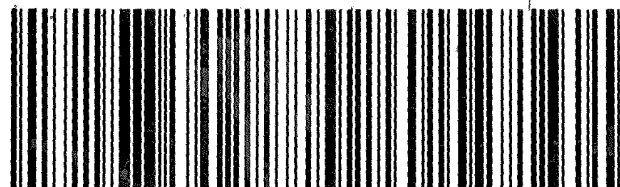
Mstr# 7125 4945 0367

0201

**WED - 04 AUG 10:30A  
PRIORITY OVERNIGHT**

**79 JOTA**

**60484  
IL-US ORD**



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# Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM:	Carrier Tracking No(s):	COC No:					
Client Contact: Shipping/Receiving		Mockler, Diana J		500-151144.1					
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@Eurofinset.com	State of Origin: Illinois	Page: Page 1 of 2					
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois	Job #:	500-203241-2					
City: Earth City		Analysis Requested	Preservation Codes:						
State, Zip: MO, 63045			A - HCL	M - Hexane					
Phone: 314-298-8566(Tel) 314-298-8757(Fax)			B - NaOH	N - None					
Email:			C - Zn Acetate	O - AsNaO2					
Project Name: Will County CCR		D - Nitric Acid	P - Na2O4S						
Site: NRG Midwest Generation Will County		E - NaHSO4	Q - Na2SO3						
		F - MeOH	R - Na2S2O3						
		G - Amchlor	S - H2SO4						
		H - Ascorbic Acid	T - TSP Dodecahydrate						
		I - Ice	U - Acetone						
		J - DI Water	V - MCAA						
		K - EDTA	W - pH 4-5						
		L - EDA	Z - other (specify)						
		Other:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sealed, On-site, B1=Trace, A=Ab)	Field Filtered Sample (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Total Number of Containers	Special Instructions/Note:
MW-01 (500-203241-1)	8/2/21	13:15 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-02 (500-203241-2)	8/2/21	14:54 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-03 (500-203241-3)	8/2/21	16:54 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-04 (500-203241-4)	8/2/21	16:20 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-07 (500-203241-5)	8/2/21	14:09 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-08 (500-203241-6)	8/2/21	15:23 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-13 (500-203241-7)	8/2/21	15:48 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-14 (500-203241-8)	8/2/21	14:32 Central	Water	Water	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-15 (500-203241-9)	8/2/21	13:41 Central	Water	Water	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 TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

**Possible Hazard Identification**  
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *Alvin Abbotts* Date: 8/4/21 Time: 1500 Company: *ETA-CHE*

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_  
 Δ Yes Δ No

Received by: *Mona Kewinings* Date/Time: AUG 05 2021 08:44 Company: *ETA SD*

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks:



**Chain of Custody Record**



**Client Information (Sub Contract Lab)**  
 Client Contact: [Blank]  
 Shipping/Receiving: [Blank]  
 Company: TestAmerica Laboratories, Inc.  
 Address: 13715 Ridler Trail North, [Blank]  
 City: Earth City  
 State/Zip: MO, 63045  
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)  
 Email: [Blank]  
 Project Name: Will County CCR  
 Site: NRG Midwest Generation Will County

**Sampler:** Lab PM: Mockler, Diana J  
 Phone: [Blank]  
 E-Mail: Diana.Mockler@Eurofins.com  
 Carrier Tracking No(s): 500-151144.2  
 State of Origin: Illinois  
 Page: Page 2 of 2  
 Job #: 500-203241-2  
 Preservations Codes:  
 A - HCL  
 B - NaOH  
 C - Zn Acetate  
 D - Nitric Acid  
 E - NaHSO4  
 F - MeOH  
 G - Amchlor  
 H - Ascorbic Acid  
 I - Ice  
 J - DI Water  
 K - EDTA  
 L - EDA  
 Other: [Blank]  
 M - Hexane  
 N - None  
 O - AsNaO2  
 P - Na2O4S  
 Q - Na2SO3  
 R - Na2S2O3  
 S - H2SO4  
 T - TSP Dodecahydrate  
 U - Acetone  
 V - MCAA  
 W - pH 4-5  
 Z - other (specify)

**Analysis Requested**  
 Due Date Requested: 8/24/2021  
 TAT Requested (days): [Blank]  
 PO #: [Blank]  
 WO #: [Blank]  
 Project #: 50011609  
 SSOW#: [Blank]

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time (C=comp, G=grab)	Sample Type	Matrix (Water, Swable, On-site, etc)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Total Number of Containers	Special Instructions/Note
Duplicate (500-203241-10)	8/2/21	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 TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

**Possible Hazard Identification**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2  
 Empty Kit Relinquished by: [Signature]  
 Relinquished by: [Signature] Date: 8/14/21  
 Relinquished by: [Signature] Date: [Blank]  
 Relinquished by: [Signature] Date: [Blank]  
 Custody Seal No.: [Blank]  
 Custody Seals Intact:  Yes  No  
 Cooler Temperature(s) °C and Other Remarks: [Blank]

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements: [Blank]

**Received by:** [Signature] Date: AUG 05 2021 08:44  
 Received by: [Signature] Date: [Blank]  
 Received by: [Signature] Date: [Blank]  
 Company: BPA  
 Company: BPA  
 Company: BPA

# Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc.		Phone:		Mockler, Diana J		State of Origin: Illinois		500-151144.1	
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		Due Date Requested: 8/24/2021 TAT Requested (days):		E-Mail: Diana.Mockler@Eurofins.com		Page: Page 1 of 2		Job #: 500-203241-1	
Project Name: Will County CCR Site: NRG Midwest Generation Will County		PO #: WO #: Project #: 50011609 SSOW#:		Accreditations Required (See note): NELAP - Illinois		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		Special Instructions/Note:	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=on-site, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform M/MSD (Yes or No)	Total Number of Containers		
MW-01 (500-203241-1)	8/2/21	13:15 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-02 (500-203241-2)	8/2/21	14:54 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-03 (500-203241-3)	8/2/21	16:54 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-04 (500-203241-4)	8/2/21	16:20 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-07 (500-203241-5)	8/2/21	14:09 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-08 (500-203241-6)	8/2/21	15:23 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-13 (500-203241-7)	8/2/21	15:48 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-14 (500-203241-8)	8/2/21	14:32 Central	Water	Water	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;	
MW-15 (500-203241-9)	8/2/21	13:41 Central	Water	Water	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 TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance.

**Possible Hazard Identification**  
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements: \_\_\_\_\_

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_  
 Relinquished by: *Shirley Scott* Date/Time: 8/4/21 15:00 Company: FEDEX  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: FEDEX  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_  
 Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



# Chain of Custody Record

<b>Client Information (Sub Contract Lab)</b>		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact:		Phone:		Mockler, Diana J				500-151144.2	
Shipping/Receiving				E-Mail:		State of Origin:		Page:	
Company:				Diana.Mockler@Eurofins.net.com		Illinois		Page 2 of 2	
Address:		Due Date Requested:		Accreditations Required (See note):		Job #:		500-203241-1	
13715 Rider Trail North,		8/24/2021		NELAP - Illinois		Preservation Codes:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 L - EDA Other:	
City:		TAT Requested (days):		Analysis Requested		Total Number of Containers		Special Instructions/Note:	
Earth City						3		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
State, Zip		PO #:		Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)			
MO., 63045				X		X			
Phone:		WO #:		Sample Type (C=Comp, G=grab)		Preservation Code:			
314-298-8566(Tel) 314-298-8757(Fax)				Central		Water			
Email:		Project #:		Sample Date		Sample Time			
		50011609		8/2/21		8/2/21			
Site:		SSOW#:		Sample Identification - Client ID (Lab ID)		Matrix (W=Water, S=Solid, O=Water/Oil, BT=Blood, AA=Ab)			
NRG Midwest Generation Will County				Duplicate (500-203241-10)					

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

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Method of Shipment: \_\_\_\_\_

Relinquished by: *Shin Scott* Date/Time: *8/2/21 1500* Received by: **FED EX** Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: *MICHA KERVINGA* Date/Time: *AUG 05 2021 08:41 AM* Company: *EMA*

Custody Seals Intact: \_\_\_\_\_ Custody Seal No.: \_\_\_\_\_

Δ Yes Δ No

# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-203241-2

**Login Number: 203241**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

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	-0.4,0.4,0.3 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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: 500-203241-2

**Login Number: 203241**

**List Number: 2**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 08/05/21 03:08 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	

# Lab Chronicle

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

Job ID: 500-203241-2

## Client Sample ID: MW-01

Lab Sample ID: 500-203241-1

Date Collected: 08/02/21 13:15

Matrix: Water

Date Received: 08/04/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:49	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525247	09/02/21 14:29	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

## Client Sample ID: MW-02

Lab Sample ID: 500-203241-2

Date Collected: 08/02/21 14:54

Matrix: Water

Date Received: 08/04/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:49	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:32	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

## Client Sample ID: MW-03

Lab Sample ID: 500-203241-3

Date Collected: 08/02/21 16:54

Matrix: Water

Date Received: 08/04/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:49	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:32	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

## Client Sample ID: MW-04

Lab Sample ID: 500-203241-4

Date Collected: 08/02/21 16:20

Matrix: Water

Date Received: 08/04/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:49	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

# Lab Chronicle

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

Job ID: 500-203241-2

**Client Sample ID: MW-07**  
**Date Collected: 08/02/21 14:09**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:50	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

**Client Sample ID: MW-08**  
**Date Collected: 08/02/21 15:23**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525247	09/02/21 20:50	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

**Client Sample ID: MW-13**  
**Date Collected: 08/02/21 15:48**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525246	09/02/21 20:41	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

**Client Sample ID: MW-14**  
**Date Collected: 08/02/21 14:32**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525246	09/02/21 20:41	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

# Lab Chronicle

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

Job ID: 500-203241-2

**Client Sample ID: MW-15**  
**Date Collected: 08/02/21 13:41**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525246	09/02/21 20:42	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:33	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

**Client Sample ID: Duplicate**  
**Date Collected: 08/02/21 00:00**  
**Date Received: 08/04/21 10:10**

**Lab Sample ID: 500-203241-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			521708	08/06/21 13:32	MJ	TAL SL
Total/NA	Analysis	903.0		1	525246	09/02/21 20:42	ANW	TAL SL
Total/NA	Prep	PrecSep_0			521715	08/06/21 14:52	MJ	TAL SL
Total/NA	Analysis	904.0		1	525246	09/02/21 14:34	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	525577	09/03/21 17:29	FLC	TAL SL

**Laboratory References:**

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





# Tracer/Carrier Summary

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

Job ID: 500-203241-2

## 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)	
500-203241-1	MW-01	96.9	
500-203241-1 DU	MW-01	96.9	
500-203241-2	MW-02	98.9	
500-203241-3	MW-03	92.5	
500-203241-4	MW-04	95.2	
500-203241-5	MW-07	62.3	
500-203241-6	MW-08	97.8	
500-203241-7	MW-13	82.7	
500-203241-8	MW-14	66.9	
500-203241-9	MW-15	71.5	
500-203241-10	Duplicate	94.5	
LCS 160-521708/1-A	Lab Control Sample	101	
MB 160-521708/25-A	Method Blank	104	

**Tracer/Carrier Legend**  
Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-203241-1	MW-01	96.9	86.7
500-203241-1 DU	MW-01	96.9	87.9
500-203241-2	MW-02	98.9	89.3
500-203241-3	MW-03	92.5	84.1
500-203241-4	MW-04	95.2	89.0
500-203241-5	MW-07	62.3	91.6
500-203241-6	MW-08	97.8	90.1
500-203241-7	MW-13	82.7	91.2
500-203241-8	MW-14	66.9	82.6
500-203241-9	MW-15	71.5	88.2
500-203241-10	Duplicate	94.5	89.3
LCS 160-521715/1-A	Lab Control Sample	101	88.2
MB 160-521715/25-A	Method Blank	104	90.8

**Tracer/Carrier Legend**  
Ba = Ba Carrier  
Y = Y Carrier

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-204228-1  
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:  
9/17/2021 8:26:31 AM

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

### LINKS

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

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



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# Case Narrative

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

Job ID: 500-204228-1

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## Job ID: 500-204228-1

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### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

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#### Job Narrative 500-204228-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/24/2021 9:52 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.7° C, 1.2° C, 1.4° C, 1.9° C, 2.1° C, 2.1° C, 4.8° C, 5.0° C, 5.1° C and 5.3° C.

#### Metals

Method 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-617270. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

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

#### General Chemistry

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-618591 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Methods 9038, SM 4500 SO4 E: Due to the high concentration of sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-618592 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Job ID: 500-204228-1

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

#### Protocol References:

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

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

#### Laboratory References:

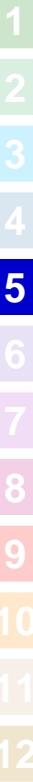
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

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

Job ID: 500-204228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-204228-1	MW-01	Water	08/23/21 14:30	08/24/21 09:52
500-204228-2	MW-02	Water	08/23/21 15:20	08/24/21 09:52
500-204228-3	Duplicate	Water	08/23/21 00:00	08/24/21 09:52
500-204228-4	MW-03	Water	08/24/21 13:12	08/25/21 10:05
500-204228-5	MW-04	Water	08/24/21 14:34	08/25/21 10:05
500-204228-6	MW-05	Water	08/24/21 16:05	08/25/21 10:05
500-204228-7	MW-06	Water	08/24/21 17:18	08/25/21 10:05
500-204228-8	MW-14	Water	08/25/21 17:19	08/26/21 09:50
500-204228-9	MW-15	Water	08/25/21 16:07	08/26/21 09:50
500-204228-10	MW-07	Water	08/25/21 14:30	08/26/21 09:50
500-204228-11	MW-08	Water	08/25/21 12:47	08/26/21 09:50
500-204228-12	MW-09	Water	08/25/21 11:02	08/26/21 09:50
500-204228-13	MW-12	Water	08/26/21 11:41	08/27/21 10:22
500-204228-14	MW-13	Water	08/26/21 15:16	08/27/21 10:22
500-204228-15	MW-11	Water	08/26/21 14:32	08/27/21 10:22
500-204228-16	MW-10	Water	08/26/21 13:01	08/27/21 10:22



# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-01**  
Date Collected: 08/23/21 14:30  
Date Received: 08/24/21 09:52

**Lab Sample ID: 500-204228-1**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.044		0.010		mg/L		09/02/21 08:56	09/03/21 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:26	1
Arsenic	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:26	1
Barium	0.10		0.0025		mg/L		09/02/21 08:56	09/02/21 17:26	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:26	1
Boron	2.4		0.50		mg/L		09/02/21 08:56	09/03/21 13:03	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:26	1
Calcium	200		0.20		mg/L		09/02/21 08:56	09/02/21 17:26	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:26	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:26	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:26	1
Molybdenum	0.014		0.0050		mg/L		09/02/21 08:56	09/02/21 17:26	1
Selenium	0.0058		0.0025		mg/L		09/02/21 08:56	09/02/21 17:26	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:44	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			08/26/21 01:01	1
Chloride	18		2.0		mg/L			09/14/21 15:09	1
Fluoride	0.61		0.10		mg/L			09/14/21 11:59	1
Sulfate	400		50		mg/L			09/16/21 13:57	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-02**  
Date Collected: 08/23/21 15:20  
Date Received: 08/24/21 09:52

**Lab Sample ID: 500-204228-2**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.048		0.010		mg/L		09/02/21 08:56	09/03/21 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:37	1
Arsenic	0.011		0.0010		mg/L		09/02/21 08:56	09/02/21 17:37	1
Barium	0.060		0.0025		mg/L		09/02/21 08:56	09/02/21 17:37	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:37	1
Boron	5.0		1.0		mg/L		09/02/21 08:56	09/03/21 13:07	20
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:37	1
Calcium	92		0.20		mg/L		09/02/21 08:56	09/02/21 17:37	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:37	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:37	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:37	1
Molybdenum	0.075		0.0050		mg/L		09/02/21 08:56	09/02/21 17:37	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:37	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	830		10		mg/L			08/26/21 01:03	1
Chloride	26		2.0		mg/L			09/14/21 15:10	1
Fluoride	0.38		0.10		mg/L			09/14/21 12:02	1
Sulfate	530		100		mg/L			09/16/21 13:58	20



# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: Duplicate**  
Date Collected: 08/23/21 00:00  
Date Received: 08/24/21 09:52

**Lab Sample ID: 500-204228-3**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.047		0.010		mg/L		09/02/21 08:56	09/03/21 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:40	1
Arsenic	0.011		0.0010		mg/L		09/02/21 08:56	09/02/21 17:40	1
Barium	0.059		0.0025		mg/L		09/02/21 08:56	09/02/21 17:40	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:40	1
Boron	4.9		1.0		mg/L		09/02/21 08:56	09/03/21 13:10	20
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:40	1
Calcium	92		0.20		mg/L		09/02/21 08:56	09/02/21 17:40	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:40	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:40	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:40	1
Molybdenum	0.075		0.0050		mg/L		09/02/21 08:56	09/02/21 17:40	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:40	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			08/26/21 01:06	1
Chloride	27		10		mg/L			09/14/21 15:10	5
Fluoride	0.38		0.10		mg/L			09/14/21 12:05	1
Sulfate	550		100		mg/L			09/16/21 15:14	20

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-03**  
Date Collected: 08/24/21 13:12  
Date Received: 08/25/21 10:05

**Lab Sample ID: 500-204228-4**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.042		0.010		mg/L		09/02/21 08:56	09/03/21 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:44	1
Arsenic	0.0021		0.0010		mg/L		09/02/21 08:56	09/02/21 17:44	1
Barium	0.091		0.0025		mg/L		09/02/21 08:56	09/02/21 17:44	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:44	1
Boron	3.3		0.50		mg/L		09/02/21 08:56	09/03/21 13:14	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:44	1
Calcium	120		0.20		mg/L		09/02/21 08:56	09/02/21 17:44	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:44	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:44	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:44	1
Molybdenum	0.022		0.0050		mg/L		09/02/21 08:56	09/02/21 17:44	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:44	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	890		10		mg/L			08/26/21 01:09	1
Chloride	50	F1 F2	2.0		mg/L			09/14/21 15:10	1
Fluoride	0.35		0.10		mg/L			09/14/21 12:18	1
Sulfate	300		50		mg/L			09/16/21 13:58	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-04**

**Lab Sample ID: 500-204228-5**

Date Collected: 08/24/21 14:34

Matrix: Water

Date Received: 08/25/21 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.028		0.010		mg/L		09/02/21 08:56	09/03/21 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:47	1
Arsenic	0.0075		0.0010		mg/L		09/02/21 08:56	09/02/21 17:47	1
Barium	0.046		0.0025		mg/L		09/02/21 08:56	09/02/21 17:47	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:47	1
Boron	6.2		1.0		mg/L		09/02/21 08:56	09/03/21 13:17	20
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:47	1
Calcium	320		4.0		mg/L		09/02/21 08:56	09/03/21 13:17	20
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:47	1
Cobalt	0.0020		0.0010		mg/L		09/02/21 08:56	09/02/21 17:47	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:47	1
Molybdenum	0.035		0.0050		mg/L		09/02/21 08:56	09/02/21 17:47	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:47	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:53	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1700		10		mg/L			08/26/21 01:11	1
Chloride	90		10		mg/L			09/14/21 15:20	5
Fluoride	0.40		0.10		mg/L			09/14/21 12:27	1
Sulfate	1100		250		mg/L			09/16/21 14:05	50

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-05**  
Date Collected: 08/24/21 16:05  
Date Received: 08/25/21 10:05

**Lab Sample ID: 500-204228-6**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/02/21 08:56	09/03/21 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:51	1
<b>Arsenic</b>	<b>0.0054</b>		0.0010		mg/L		09/02/21 08:56	09/02/21 17:51	1
<b>Barium</b>	<b>0.028</b>		0.0025		mg/L		09/02/21 08:56	09/02/21 17:51	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:51	1
<b>Boron</b>	<b>4.6</b>		1.0		mg/L		09/02/21 08:56	09/03/21 13:21	20
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:51	1
<b>Calcium</b>	<b>33</b>		0.20		mg/L		09/02/21 08:56	09/02/21 17:51	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:51	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:51	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:51	1
<b>Molybdenum</b>	<b>0.091</b>		0.0050		mg/L		09/02/21 08:56	09/02/21 17:51	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:51	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>580</b>		10		mg/L			08/26/21 01:14	1
<b>Chloride</b>	<b>45</b>		4.0		mg/L			09/14/21 15:12	2
<b>Fluoride</b>	<b>0.74</b>		0.10		mg/L			09/14/21 12:40	1
<b>Sulfate</b>	<b>410</b>		100		mg/L			09/16/21 13:59	20

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-06**

**Lab Sample ID: 500-204228-7**

Date Collected: 08/24/21 17:18

Matrix: Water

Date Received: 08/25/21 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021		0.010		mg/L		09/02/21 08:56	09/03/21 14:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:55	1
Arsenic	0.0029		0.0010		mg/L		09/02/21 08:56	09/02/21 17:55	1
Barium	0.093		0.0025		mg/L		09/02/21 08:56	09/02/21 17:55	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:55	1
Boron	2.9		0.50		mg/L		09/02/21 08:56	09/03/21 13:24	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:55	1
Calcium	100		0.20		mg/L		09/02/21 08:56	09/02/21 17:55	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:55	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:55	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:55	1
Molybdenum	0.018		0.0050		mg/L		09/02/21 08:56	09/02/21 17:55	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:55	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:57	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10		mg/L			08/26/21 01:16	1
Chloride	100		4.0		mg/L			09/14/21 15:12	2
Fluoride	0.35		0.10		mg/L			09/14/21 12:43	1
Sulfate	170		50		mg/L			09/16/21 14:00	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-14**

**Lab Sample ID: 500-204228-8**

Date Collected: 08/25/21 17:19

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.037		0.010		mg/L		09/02/21 08:56	09/03/21 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:58	1
Arsenic	0.0047		0.0010		mg/L		09/02/21 08:56	09/02/21 17:58	1
Barium	0.14		0.0025		mg/L		09/02/21 08:56	09/02/21 17:58	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:58	1
Boron	4.1		1.0		mg/L		09/02/21 08:56	09/03/21 13:28	20
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:58	1
Calcium	96		0.20		mg/L		09/02/21 08:56	09/02/21 17:58	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:58	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:58	1
Lead	0.00054		0.00050		mg/L		09/02/21 08:56	09/02/21 17:58	1
Molybdenum	0.064		0.0050		mg/L		09/02/21 08:56	09/02/21 17:58	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:58	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:59	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	930		10		mg/L			08/30/21 23:57	1
Chloride	92		10		mg/L			09/14/21 15:12	5
Fluoride	0.58		0.10		mg/L			09/14/21 12:46	1
Sulfate	440		100		mg/L			09/16/21 14:01	20

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-15**  
Date Collected: 08/25/21 16:07  
Date Received: 08/26/21 09:50

**Lab Sample ID: 500-204228-9**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.019		0.010		mg/L		09/02/21 08:56	09/03/21 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:02	1
Arsenic	0.0028		0.0010		mg/L		09/02/21 08:56	09/02/21 18:02	1
Barium	0.097		0.0025		mg/L		09/02/21 08:56	09/02/21 18:02	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:02	1
Boron	3.2		0.50		mg/L		09/02/21 08:56	09/03/21 13:39	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:02	1
Calcium	140		0.20		mg/L		09/02/21 08:56	09/02/21 18:02	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:02	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:02	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:02	1
Molybdenum	0.036		0.0050		mg/L		09/02/21 08:56	09/02/21 18:02	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:02	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	820		10		mg/L			08/31/21 00:05	1
Chloride	130		10		mg/L			09/14/21 15:13	5
Fluoride	0.60		0.10		mg/L			09/14/21 12:49	1
Sulfate	510		100		mg/L			09/16/21 14:01	20

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-07**

**Lab Sample ID: 500-204228-10**

Date Collected: 08/25/21 14:30

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.019		0.010		mg/L		09/02/21 08:56	09/03/21 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:05	1
Arsenic	0.0027		0.0010		mg/L		09/02/21 08:56	09/02/21 18:05	1
Barium	0.059		0.0025		mg/L		09/02/21 08:56	09/02/21 18:05	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:05	1
Boron	2.8		0.50		mg/L		09/02/21 08:56	09/03/21 13:42	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:05	1
Calcium	80		0.20		mg/L		09/02/21 08:56	09/02/21 18:05	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:05	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:05	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:05	1
Molybdenum	0.076		0.0050		mg/L		09/02/21 08:56	09/02/21 18:05	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:05	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	800		10		mg/L			08/31/21 00:10	1
Chloride	130		10		mg/L			09/14/21 15:13	5
Fluoride	0.73		0.10		mg/L			09/14/21 12:52	1
Sulfate	420		100		mg/L			09/16/21 14:01	20



# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-08**

**Lab Sample ID: 500-204228-11**

Date Collected: 08/25/21 12:47

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021		0.010		mg/L		09/02/21 08:56	09/03/21 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:09	1
Arsenic	0.011		0.0010		mg/L		09/02/21 08:56	09/02/21 18:09	1
Barium	0.068		0.0025		mg/L		09/02/21 08:56	09/02/21 18:09	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:09	1
Boron	3.0		0.50		mg/L		09/02/21 08:56	09/03/21 13:46	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:09	1
Calcium	130		0.20		mg/L		09/02/21 08:56	09/02/21 18:09	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:09	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:09	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:09	1
Molybdenum	0.084		0.0050		mg/L		09/02/21 08:56	09/02/21 18:09	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:09	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			08/31/21 00:13	1
Chloride	150		10		mg/L			09/14/21 15:13	5
Fluoride	0.61		0.10		mg/L			09/14/21 12:55	1
Sulfate	500		100		mg/L			09/16/21 14:01	20

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-09**

**Lab Sample ID: 500-204228-12**

Date Collected: 08/25/21 11:02

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/02/21 08:56	09/03/21 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:19	1
<b>Arsenic</b>	<b>0.0065</b>		0.0010		mg/L		09/02/21 08:56	09/02/21 18:19	1
<b>Barium</b>	<b>0.049</b>		0.0025		mg/L		09/02/21 08:56	09/02/21 18:19	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:19	1
<b>Boron</b>	<b>1.9</b>		0.25		mg/L		09/02/21 08:56	09/03/21 13:49	5
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:19	1
<b>Calcium</b>	<b>60</b>		0.20		mg/L		09/02/21 08:56	09/02/21 18:19	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:19	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:19	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:19	1
<b>Molybdenum</b>	<b>0.067</b>		0.0050		mg/L		09/02/21 08:56	09/02/21 18:19	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:19	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>800</b>		10		mg/L			08/31/21 00:15	1
<b>Chloride</b>	<b>360</b>		40		mg/L			09/14/21 15:23	20
<b>Fluoride</b>	<b>0.43</b>		0.10		mg/L			09/14/21 12:58	1
<b>Sulfate</b>	<b>210</b>		50		mg/L			09/16/21 14:02	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-12**

**Lab Sample ID: 500-204228-13**

Date Collected: 08/26/21 11:41

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		09/02/21 08:56	09/03/21 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:23	1
Arsenic	0.0020		0.0010		mg/L		09/02/21 08:56	09/02/21 18:23	1
Barium	0.14		0.0025		mg/L		09/02/21 08:56	09/02/21 18:23	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:23	1
Boron	2.1		0.50		mg/L		09/02/21 08:56	09/03/21 13:53	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:23	1
Calcium	170		0.20		mg/L		09/02/21 08:56	09/02/21 18:23	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:23	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:23	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:23	1
Molybdenum	0.027		0.0050		mg/L		09/02/21 08:56	09/02/21 18:23	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:23	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			08/31/21 00:18	1
Chloride	200		10		mg/L			09/14/21 15:16	5
Fluoride	0.47		0.10		mg/L			09/14/21 13:01	1
Sulfate	170		50		mg/L			09/16/21 14:02	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-13**  
Date Collected: 08/26/21 15:16  
Date Received: 08/27/21 10:22

**Lab Sample ID: 500-204228-14**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		09/02/21 08:56	09/03/21 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:27	1
Arsenic	0.0051		0.0010		mg/L		09/02/21 08:56	09/02/21 18:27	1
Barium	0.16		0.0025		mg/L		09/02/21 08:56	09/02/21 18:27	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:27	1
Boron	2.0		0.25		mg/L		09/02/21 08:56	09/03/21 13:56	5
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:27	1
Calcium	180		0.20		mg/L		09/02/21 08:56	09/02/21 18:27	1
Chromium	0.0072		0.0050		mg/L		09/02/21 08:56	09/02/21 18:27	1
Cobalt	0.0035		0.0010		mg/L		09/02/21 08:56	09/02/21 18:27	1
Lead	0.0047		0.00050		mg/L		09/02/21 08:56	09/02/21 18:27	1
Molybdenum	0.015		0.0050		mg/L		09/02/21 08:56	09/02/21 18:27	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:27	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	980		10		mg/L			08/31/21 00:21	1
Chloride	260		40		mg/L			09/14/21 15:25	20
Fluoride	0.34		0.10		mg/L			09/14/21 13:04	1
Sulfate	250		50		mg/L			09/16/21 14:02	10

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-11**

**Lab Sample ID: 500-204228-15**

Date Collected: 08/26/21 14:32

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.011		0.010		mg/L		09/02/21 08:56	09/03/21 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:30	1
Arsenic	0.0076		0.0010		mg/L		09/02/21 08:56	09/02/21 18:30	1
Barium	0.10		0.0025		mg/L		09/02/21 08:56	09/02/21 18:30	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:30	1
Boron	1.9		0.25		mg/L		09/02/21 08:56	09/03/21 14:00	5
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:30	1
Calcium	110		0.20		mg/L		09/02/21 08:56	09/02/21 18:30	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:30	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:30	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:30	1
Molybdenum	0.034		0.0050		mg/L		09/02/21 08:56	09/02/21 18:30	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:30	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	710		10		mg/L			08/31/21 00:23	1
Chloride	150		10		mg/L			09/14/21 15:16	5
Fluoride	0.39		0.10		mg/L			09/14/21 13:07	1
Sulfate	100		25		mg/L			09/16/21 14:41	5

# Client Sample Results

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

Job ID: 500-204228-1

**Client Sample ID: MW-10**

**Lab Sample ID: 500-204228-16**

Date Collected: 08/26/21 13:01

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		09/02/21 08:56	09/03/21 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 18:34	1
Arsenic	0.0090		0.0010		mg/L		09/02/21 08:56	09/02/21 18:34	1
Barium	0.085		0.0025		mg/L		09/02/21 08:56	09/02/21 18:34	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:34	1
Boron	2.5		0.50		mg/L		09/02/21 08:56	09/03/21 14:03	10
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 18:34	1
Calcium	110		0.20		mg/L		09/02/21 08:56	09/02/21 18:34	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 18:34	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 18:34	1
Lead	0.00073		0.00050		mg/L		09/02/21 08:56	09/02/21 18:34	1
Molybdenum	0.12		0.0050		mg/L		09/02/21 08:56	09/02/21 18:34	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 18:34	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 10:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	740		10		mg/L			08/31/21 00:26	1
Chloride	140		10		mg/L			09/14/21 15:17	5
Fluoride	0.82		0.10		mg/L			09/14/21 13:20	1
Sulfate	250		100		mg/L			09/16/21 14:47	20

# Definitions/Glossary

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

Job ID: 500-204228-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

## Glossary

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

# QC Association Summary

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

Job ID: 500-204228-1

## Metals

### Prep Batch: 616460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	7470A	
500-204228-2	MW-02	Total/NA	Water	7470A	
500-204228-3	Duplicate	Total/NA	Water	7470A	
500-204228-4	MW-03	Total/NA	Water	7470A	
500-204228-5	MW-04	Total/NA	Water	7470A	
500-204228-6	MW-05	Total/NA	Water	7470A	
500-204228-7	MW-06	Total/NA	Water	7470A	
500-204228-8	MW-14	Total/NA	Water	7470A	
500-204228-9	MW-15	Total/NA	Water	7470A	
500-204228-10	MW-07	Total/NA	Water	7470A	
500-204228-11	MW-08	Total/NA	Water	7470A	
500-204228-12	MW-09	Total/NA	Water	7470A	
500-204228-13	MW-12	Total/NA	Water	7470A	
500-204228-14	MW-13	Total/NA	Water	7470A	
500-204228-15	MW-11	Total/NA	Water	7470A	
500-204228-16	MW-10	Total/NA	Water	7470A	
MB 500-616460/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-616460/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-204228-9 MS	MW-15	Total/NA	Water	7470A	
500-204228-9 MSD	MW-15	Total/NA	Water	7470A	
500-204228-9 DU	MW-15	Total/NA	Water	7470A	

### Analysis Batch: 616719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	7470A	616460
500-204228-2	MW-02	Total/NA	Water	7470A	616460
500-204228-3	Duplicate	Total/NA	Water	7470A	616460
500-204228-4	MW-03	Total/NA	Water	7470A	616460
500-204228-5	MW-04	Total/NA	Water	7470A	616460
500-204228-6	MW-05	Total/NA	Water	7470A	616460
500-204228-7	MW-06	Total/NA	Water	7470A	616460
500-204228-8	MW-14	Total/NA	Water	7470A	616460
500-204228-9	MW-15	Total/NA	Water	7470A	616460
500-204228-10	MW-07	Total/NA	Water	7470A	616460
500-204228-11	MW-08	Total/NA	Water	7470A	616460
500-204228-12	MW-09	Total/NA	Water	7470A	616460
500-204228-13	MW-12	Total/NA	Water	7470A	616460
500-204228-14	MW-13	Total/NA	Water	7470A	616460
500-204228-15	MW-11	Total/NA	Water	7470A	616460
500-204228-16	MW-10	Total/NA	Water	7470A	616460
MB 500-616460/12-A	Method Blank	Total/NA	Water	7470A	616460
LCS 500-616460/13-A	Lab Control Sample	Total/NA	Water	7470A	616460
500-204228-9 MS	MW-15	Total/NA	Water	7470A	616460
500-204228-9 MSD	MW-15	Total/NA	Water	7470A	616460
500-204228-9 DU	MW-15	Total/NA	Water	7470A	616460

### Prep Batch: 617061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total Recoverable	Water	3005A	
500-204228-2	MW-02	Total Recoverable	Water	3005A	
500-204228-3	Duplicate	Total Recoverable	Water	3005A	

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# QC Association Summary

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

Job ID: 500-204228-1

## Metals (Continued)

### Prep Batch: 617061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-4	MW-03	Total Recoverable	Water	3005A	
500-204228-5	MW-04	Total Recoverable	Water	3005A	
500-204228-6	MW-05	Total Recoverable	Water	3005A	
500-204228-7	MW-06	Total Recoverable	Water	3005A	
500-204228-8	MW-14	Total Recoverable	Water	3005A	
500-204228-9	MW-15	Total Recoverable	Water	3005A	
500-204228-10	MW-07	Total Recoverable	Water	3005A	
500-204228-11	MW-08	Total Recoverable	Water	3005A	
500-204228-12	MW-09	Total Recoverable	Water	3005A	
500-204228-13	MW-12	Total Recoverable	Water	3005A	
500-204228-14	MW-13	Total Recoverable	Water	3005A	
500-204228-15	MW-11	Total Recoverable	Water	3005A	
500-204228-16	MW-10	Total Recoverable	Water	3005A	
MB 500-617061/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-617061/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 617270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total Recoverable	Water	6020A	617061
500-204228-2	MW-02	Total Recoverable	Water	6020A	617061
500-204228-3	Duplicate	Total Recoverable	Water	6020A	617061
500-204228-4	MW-03	Total Recoverable	Water	6020A	617061
500-204228-5	MW-04	Total Recoverable	Water	6020A	617061
500-204228-6	MW-05	Total Recoverable	Water	6020A	617061
500-204228-7	MW-06	Total Recoverable	Water	6020A	617061
500-204228-8	MW-14	Total Recoverable	Water	6020A	617061
500-204228-9	MW-15	Total Recoverable	Water	6020A	617061
500-204228-10	MW-07	Total Recoverable	Water	6020A	617061
500-204228-11	MW-08	Total Recoverable	Water	6020A	617061
500-204228-12	MW-09	Total Recoverable	Water	6020A	617061
500-204228-13	MW-12	Total Recoverable	Water	6020A	617061
500-204228-14	MW-13	Total Recoverable	Water	6020A	617061
500-204228-15	MW-11	Total Recoverable	Water	6020A	617061
500-204228-16	MW-10	Total Recoverable	Water	6020A	617061
MB 500-617061/1-A	Method Blank	Total Recoverable	Water	6020A	617061
LCS 500-617061/2-A	Lab Control Sample	Total Recoverable	Water	6020A	617061

### Analysis Batch: 617324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total Recoverable	Water	6010C	617061
500-204228-2	MW-02	Total Recoverable	Water	6010C	617061
500-204228-3	Duplicate	Total Recoverable	Water	6010C	617061
500-204228-4	MW-03	Total Recoverable	Water	6010C	617061
500-204228-5	MW-04	Total Recoverable	Water	6010C	617061
500-204228-6	MW-05	Total Recoverable	Water	6010C	617061
500-204228-7	MW-06	Total Recoverable	Water	6010C	617061
500-204228-8	MW-14	Total Recoverable	Water	6010C	617061
500-204228-9	MW-15	Total Recoverable	Water	6010C	617061
500-204228-10	MW-07	Total Recoverable	Water	6010C	617061
500-204228-11	MW-08	Total Recoverable	Water	6010C	617061
500-204228-12	MW-09	Total Recoverable	Water	6010C	617061

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# QC Association Summary

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

Job ID: 500-204228-1

## Metals (Continued)

### Analysis Batch: 617324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-13	MW-12	Total Recoverable	Water	6010C	617061
500-204228-14	MW-13	Total Recoverable	Water	6010C	617061
500-204228-15	MW-11	Total Recoverable	Water	6010C	617061
500-204228-16	MW-10	Total Recoverable	Water	6010C	617061
MB 500-617061/1-A	Method Blank	Total Recoverable	Water	6010C	617061
LCS 500-617061/2-A	Lab Control Sample	Total Recoverable	Water	6010C	617061

### Analysis Batch: 617331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total Recoverable	Water	6020A	617061
500-204228-2	MW-02	Total Recoverable	Water	6020A	617061
500-204228-3	Duplicate	Total Recoverable	Water	6020A	617061
500-204228-4	MW-03	Total Recoverable	Water	6020A	617061
500-204228-5	MW-04	Total Recoverable	Water	6020A	617061
500-204228-6	MW-05	Total Recoverable	Water	6020A	617061
500-204228-7	MW-06	Total Recoverable	Water	6020A	617061
500-204228-8	MW-14	Total Recoverable	Water	6020A	617061
500-204228-9	MW-15	Total Recoverable	Water	6020A	617061
500-204228-10	MW-07	Total Recoverable	Water	6020A	617061
500-204228-11	MW-08	Total Recoverable	Water	6020A	617061
500-204228-12	MW-09	Total Recoverable	Water	6020A	617061
500-204228-13	MW-12	Total Recoverable	Water	6020A	617061
500-204228-14	MW-13	Total Recoverable	Water	6020A	617061
500-204228-15	MW-11	Total Recoverable	Water	6020A	617061
500-204228-16	MW-10	Total Recoverable	Water	6020A	617061
MB 500-617061/1-A	Method Blank	Total Recoverable	Water	6020A	617061
LCS 500-617061/2-A	Lab Control Sample	Total Recoverable	Water	6020A	617061

## General Chemistry

### Analysis Batch: 615894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	SM 2540C	
500-204228-2	MW-02	Total/NA	Water	SM 2540C	
500-204228-3	Duplicate	Total/NA	Water	SM 2540C	
500-204228-4	MW-03	Total/NA	Water	SM 2540C	
500-204228-5	MW-04	Total/NA	Water	SM 2540C	
500-204228-6	MW-05	Total/NA	Water	SM 2540C	
500-204228-7	MW-06	Total/NA	Water	SM 2540C	
MB 500-615894/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-615894/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 616591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-8	MW-14	Total/NA	Water	SM 2540C	
500-204228-9	MW-15	Total/NA	Water	SM 2540C	
500-204228-10	MW-07	Total/NA	Water	SM 2540C	
500-204228-11	MW-08	Total/NA	Water	SM 2540C	
500-204228-12	MW-09	Total/NA	Water	SM 2540C	
500-204228-13	MW-12	Total/NA	Water	SM 2540C	
500-204228-14	MW-13	Total/NA	Water	SM 2540C	

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# QC Association Summary

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

Job ID: 500-204228-1

## General Chemistry (Continued)

### Analysis Batch: 616591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-15	MW-11	Total/NA	Water	SM 2540C	
500-204228-16	MW-10	Total/NA	Water	SM 2540C	
MB 500-616591/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-616591/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-204228-8 MS	MW-14	Total/NA	Water	SM 2540C	
500-204228-8 DU	MW-14	Total/NA	Water	SM 2540C	
500-204228-9 DU	MW-15	Total/NA	Water	SM 2540C	

### Analysis Batch: 618591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-204228-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-204228-3	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-204228-4	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-204228-5	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-204228-6	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-204228-7	MW-06	Total/NA	Water	SM 4500 Cl- E	
500-204228-8	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-204228-9	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-204228-10	MW-07	Total/NA	Water	SM 4500 Cl- E	
500-204228-11	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-204228-12	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-204228-13	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-204228-14	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-204228-15	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-204228-16	MW-10	Total/NA	Water	SM 4500 Cl- E	
MB 500-618591/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-618591/45	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-618591/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-618591/46	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-204228-4 MS	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-204228-4 MSD	MW-03	Total/NA	Water	SM 4500 Cl- E	

### Analysis Batch: 618593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	SM 4500 F C	
500-204228-2	MW-02	Total/NA	Water	SM 4500 F C	
500-204228-3	Duplicate	Total/NA	Water	SM 4500 F C	
500-204228-4	MW-03	Total/NA	Water	SM 4500 F C	
500-204228-5	MW-04	Total/NA	Water	SM 4500 F C	
500-204228-6	MW-05	Total/NA	Water	SM 4500 F C	
500-204228-7	MW-06	Total/NA	Water	SM 4500 F C	
500-204228-8	MW-14	Total/NA	Water	SM 4500 F C	
500-204228-9	MW-15	Total/NA	Water	SM 4500 F C	
500-204228-10	MW-07	Total/NA	Water	SM 4500 F C	
500-204228-11	MW-08	Total/NA	Water	SM 4500 F C	
500-204228-12	MW-09	Total/NA	Water	SM 4500 F C	
500-204228-13	MW-12	Total/NA	Water	SM 4500 F C	
500-204228-14	MW-13	Total/NA	Water	SM 4500 F C	
500-204228-15	MW-11	Total/NA	Water	SM 4500 F C	
500-204228-16	MW-10	Total/NA	Water	SM 4500 F C	

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# QC Association Summary

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

Job ID: 500-204228-1

## General Chemistry (Continued)

### Analysis Batch: 618593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-618593/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-618593/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-618593/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-618593/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-204228-4 MS	MW-03	Total/NA	Water	SM 4500 F C	
500-204228-4 MSD	MW-03	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 618960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-204228-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-204228-3	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-204228-4	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-204228-5	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-204228-6	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-204228-7	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-204228-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-204228-9	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-204228-10	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-204228-11	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-204228-12	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-204228-13	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-204228-14	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-204228-15	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-204228-16	MW-10	Total/NA	Water	SM 4500 SO4 E	
MB 500-618960/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-618960/46	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-618960/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-618960/49	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-204228-1 MS	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-204228-1 MSD	MW-01	Total/NA	Water	SM 4500 SO4 E	

# QC Sample Results

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

Job ID: 500-204228-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 500-617061/1-A**  
**Matrix: Water**  
**Analysis Batch: 617324**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 617061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/02/21 08:56	09/03/21 13:52	1

**Lab Sample ID: LCS 500-617061/2-A**  
**Matrix: Water**  
**Analysis Batch: 617324**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 617061**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.522		mg/L		104	80 - 120

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

**Lab Sample ID: MB 500-617061/1-A**  
**Matrix: Water**  
**Analysis Batch: 617270**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 617061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/21 08:56	09/02/21 17:01	1
Arsenic	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:01	1
Barium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:01	1
Beryllium	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:01	1
Cadmium	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:01	1
Calcium	<0.20		0.20		mg/L		09/02/21 08:56	09/02/21 17:01	1
Chromium	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:01	1
Cobalt	<0.0010		0.0010		mg/L		09/02/21 08:56	09/02/21 17:01	1
Lead	<0.00050		0.00050		mg/L		09/02/21 08:56	09/02/21 17:01	1
Molybdenum	<0.0050		0.0050		mg/L		09/02/21 08:56	09/02/21 17:01	1
Selenium	<0.0025		0.0025		mg/L		09/02/21 08:56	09/02/21 17:01	1
Thallium	<0.0020		0.0020		mg/L		09/02/21 08:56	09/02/21 17:01	1

**Lab Sample ID: MB 500-617061/1-A**  
**Matrix: Water**  
**Analysis Batch: 617331**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 617061**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/02/21 08:56	09/03/21 12:56	1

**Lab Sample ID: LCS 500-617061/2-A**  
**Matrix: Water**  
**Analysis Batch: 617270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 617061**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.508		mg/L		102	80 - 120
Arsenic	0.100	0.0992		mg/L		99	80 - 120
Barium	2.00	1.97		mg/L		99	80 - 120
Beryllium	0.0500	0.0504		mg/L		101	80 - 120
Cadmium	0.0500	0.0491		mg/L		98	80 - 120
Calcium	10.0	9.73		mg/L		97	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.500	0.502		mg/L		100	80 - 120
Lead	0.100	0.107		mg/L		107	80 - 120

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# QC Sample Results

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

Job ID: 500-204228-1

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

Lab Sample ID: LCS 500-617061/2-A  
Matrix: Water  
Analysis Batch: 617270

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 617061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	1.00	0.964		mg/L		96	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: LCS 500-617061/2-A  
Matrix: Water  
Analysis Batch: 617331

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 617061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	0.918		mg/L		92	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-616460/12-A  
Matrix: Water  
Analysis Batch: 616719

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 616460

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/30/21 09:30	08/31/21 09:40	1

Lab Sample ID: LCS 500-616460/13-A  
Matrix: Water  
Analysis Batch: 616719

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 616460

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

Lab Sample ID: 500-204228-9 MS  
Matrix: Water  
Analysis Batch: 616719

Client Sample ID: MW-15  
Prep Type: Total/NA  
Prep Batch: 616460

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000988		mg/L		99	75 - 125

Lab Sample ID: 500-204228-9 MSD  
Matrix: Water  
Analysis Batch: 616719

Client Sample ID: MW-15  
Prep Type: Total/NA  
Prep Batch: 616460

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.000988		mg/L		97	75 - 125	2	20

Lab Sample ID: 500-204228-9 DU  
Matrix: Water  
Analysis Batch: 616719

Client Sample ID: MW-15  
Prep Type: Total/NA  
Prep Batch: 616460

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	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: 500-204228-1

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

**Lab Sample ID: MB 500-615894/1**  
**Matrix: Water**  
**Analysis Batch: 615894**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			08/26/21 00:38	1

**Lab Sample ID: LCS 500-615894/2**  
**Matrix: Water**  
**Analysis Batch: 615894**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	252		mg/L		101	80 - 120

**Lab Sample ID: MB 500-616591/1**  
**Matrix: Water**  
**Analysis Batch: 616591**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			08/30/21 23:50	1

**Lab Sample ID: LCS 500-616591/2**  
**Matrix: Water**  
**Analysis Batch: 616591**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	266		mg/L		106	80 - 120

**Lab Sample ID: 500-204228-8 MS**  
**Matrix: Water**  
**Analysis Batch: 616591**

**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
Total Dissolved Solids	930		250	1160		mg/L		94	75 - 125

**Lab Sample ID: 500-204228-8 DU**  
**Matrix: Water**  
**Analysis Batch: 616591**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	930		882		mg/L		5	5

**Lab Sample ID: 500-204228-9 DU**  
**Matrix: Water**  
**Analysis Batch: 616591**

**Client Sample ID: MW-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	820		792		mg/L		3	5

# QC Sample Results

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

Job ID: 500-204228-1

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

Lab Sample ID: MB 500-618591/16  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/14/21 15:03	1

Lab Sample ID: MB 500-618591/45  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			09/14/21 15:10	1

Lab Sample ID: LCS 500-618591/17  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.0		mg/L		100	85 - 115

Lab Sample ID: LCS 500-618591/46  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.3		mg/L		101	85 - 115

Lab Sample ID: 500-204228-4 MS  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50	F1 F2	20.0	49.7	F1	mg/L		-0.9	75 - 125

Lab Sample ID: 500-204228-4 MSD  
Matrix: Water  
Analysis Batch: 618591

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	50	F1 F2	20.0	21.9	F1 F2	mg/L		-140	75 - 125	78	20

## Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-618593/3  
Matrix: Water  
Analysis Batch: 618593

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			09/14/21 10:33	1



# QC Sample Results

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

Job ID: 500-204228-1

## Method: SM 4500 F C - Fluoride (Continued)

**Lab Sample ID: MB 500-618593/31**  
**Matrix: Water**  
**Analysis Batch: 618593**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			09/14/21 12:12	1

**Lab Sample ID: LCS 500-618593/32**  
**Matrix: Water**  
**Analysis Batch: 618593**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.6		mg/L		106	90 - 119

**Lab Sample ID: LCS 500-618593/4**  
**Matrix: Water**  
**Analysis Batch: 618593**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.3		mg/L		103	90 - 119

**Lab Sample ID: 500-204228-4 MS**  
**Matrix: Water**  
**Analysis Batch: 618593**

**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	0.35		5.00	5.69		mg/L		107	75 - 125

**Lab Sample ID: 500-204228-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 618593**

**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	0.35		5.00	5.66		mg/L		106	75 - 125	1	20

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

**Lab Sample ID: MB 500-618960/15**  
**Matrix: Water**  
**Analysis Batch: 618960**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/16/21 13:56	1

**Lab Sample ID: MB 500-618960/46**  
**Matrix: Water**  
**Analysis Batch: 618960**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			09/16/21 14:36	1

# QC Sample Results

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

Job ID: 500-204228-1

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

**Lab Sample ID: LCS 500-618960/16**  
**Matrix: Water**  
**Analysis Batch: 618960**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.4		mg/L		102	88 - 123

**Lab Sample ID: LCS 500-618960/49**  
**Matrix: Water**  
**Analysis Batch: 618960**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.5		mg/L		103	88 - 123

**Lab Sample ID: 500-204228-1 MS**  
**Matrix: Water**  
**Analysis Batch: 618960**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	400		20.0	413	4	mg/L		48	75 - 125

**Lab Sample ID: 500-204228-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 618960**


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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	400		20.0	414	4	mg/L		54	75 - 125	0	20


**Eurofins TestAmerica, Chicago**

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

**Chain of Custody Record**

<b>Client Information</b>		Sampler	Lab PM	Carrier Tracking No(s).	COC No:					
Client Contact: Richard Gnat		Phone:	Mockler Diana J	State of Origin.	500-94077-41748 1					
Company KPRG and Associates, Inc.		PWSID:	E-Mail Diana Mockler@Eurofinset.com	Page Page 1 of 2						
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested:	<b>Analysis Requested</b>  500-204228 COC							
City: Brookfield		TAT Requested (days):								
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone:		PO #: 4502041043								
Email: richardg@kprginc.com		WO #:	Job #: <span style="font-size: 1.5em;">500-204228</span>							
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609								
Site: Illinois		SSOW#:								
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type</b> (C=Comp, G=grab)	<b>Matrix</b> (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>Analysis Requested</b>	<b>Total Number of Containers</b>	<b>Preservation Codes:</b>
										A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
										<b>Other:</b>
										<b>Special Instructions/Note:</b>
1	MW-01	8-23	1430		Water		X			
2	MW-02		1520		Water		X			
3	<del>MW-03</del> Duplicate		-		Water		X			
	MW-04				Water					
	MW-05				Water					
	MW-06				Water					
	MW-07				Water					
	MW-08				Water					
	MW-09				Water					
	MW-10				Water					
	MW-11				Water					
<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>GRB</i>			Date/Time: 8/23 1630	Company	Received by <i>MVed</i>			Date/Time: 8/24/21 0900	Company <i>ETA</i>	
Relinquished by <i>MVed</i>			Date/Time: 8/24/21 0952	Company <i>ETA</i>	Received by <i>Stephanie Hernandez</i>			Date/Time: 8/24/21 0952	Company <i>ETA-CH</i>	
Relinquished by			Date/Time:	Company	Received by			Date/Time:	Company	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.			Cooler Temperature(s) °C and Other Remarks: <i>5.1, 5.3, 4.8</i>					

**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>Mark Wilson</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500-94077-41748 2		
Client Contact: Richard Gnat		Phone: <i>630-325-7300</i>		E-Mail: Diana Mockler@Eurofinset.com		State of Origin:		Page: Page 2 of 2		
Company: KPRG and Associates, Inc				PWSID		<b>Analysis Requested</b>				
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		 500-204228 COC		Job #: <i>500-204228</i>		<b>Preservation Codes</b> A - HCL                      M Hexane B NaOH                      N None C Zn Acetate                O AsNaO2 D - Nitric Acid              P Na2O4S E NaHSO4                    Q Na2SO3 F MeOH                        R Na2S2O3 G Amchlor                    S H2SO4 H Ascorbic Acid            T - TSP Dodecahydrate I Ice                            U Acetone J DI Water                    V MCAA K EDTA                        W pH 4-5 L EDA                          Z other (specify)		
City: Brookfield		TAT Requested (days):								
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone:		PO #: 4502041043								
Email: richardg@kprginc.com		WO #:		Total Number of Containers:		Other:		Special Instructions/Note		
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609								
Site: Illinois		SSOW#:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		Preservation Code:		
<b>Sample Identification</b>		<b>Sample Date</b>								<b>Sample Time</b>
MW-12						Water				
MW-13						Water				
MW-14						Water				
MW-15						Water				
Duplicate						Water				
<i>4 MW-3</i>		<i>8-24-21</i>		<i>1312</i>		<i>G water</i>		<i>X X X</i>		
<i>5 MW-4</i>		<i>8-24-21</i>		<i>1434</i>		<i>G water</i>		<i>X X X</i>		
<i>6 MW-5</i>		<i>8-24-21</i>		<i>1605</i>		<i>G water</i>		<i>X X X</i>		
<i>7 MW-6</i>		<i>8-24-21</i>		<i>1718</i>		<i>G water</i>		<i>X X X</i>		
<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>Mark Wilson</i>		Date/Time: <i>8-24-21/1930</i>		Company: <i>KPRG</i>		Received by: <i>I. Neal</i>		Date/Time: <i>8/25/21 0905</i>		Company: <i>ETA</i>
Relinquished by: <i>I. Neal</i>		Date/Time: <i>8/25/21 1005</i>		Company: <i>ETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>8/25/21 1005</i>		Company: <i>ETA-CH</i>
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: <i>2.1, 1.9, 1.2</i>						

**Eurofins TestAmerica, Chicago**

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


**Chain of Custody Record**



ofins Environment Testing America

<b>Client Information</b>		Sample: <i>Mark Wilson</i>	Lab PM: Mockler, Diana J	Carrier Tracking No: 500-204228 COC 077-41748.2									
Client Contact: Richard Gnat		Phone: <i>630-677-1952</i>	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:									
Company: KPRG and Associates, Inc.		PWSID:	Page 2 of 2										
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:	<b>Analysis Requested</b>										
City: Brookfield		TAT Requested (days):	Job: <i>500-204228</i>										
State, Zip: WI, 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	Preservation Codes:										
Phone:		PO #: 4502041043	A - HCL M - Hexane										
Email: richardg@kprginc.com		WO #:	B - NaOH N - None										
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609	C - Zn Acetate O - AsNaO2										
Site: Illinois		SSOW#:	D - Nitric Acid P - Na2O4S										
			E - NaHSO4 Q - Na2SO3										
			F - MeOH R - Na2S2O3										
			G - Amchlor S - H2SO4										
			H - Ascorbic Acid T - TSP Dodecahydrate										
			I - Ice U - Acetone										
			J - DI Water V - MCAA										
			K - EDTA W - pH 4-5										
			L - EDA Z - other (specify)										
			Other:										
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Parform MS/MSD (Yes or No)	903.0, 804.0	6010C, 6020A, 7470A	2540C, 4500_F_G, SM4500_CLE, SM4500_SO_E	Total Number of Containers	Special Instructions/Note:	
				Preservation Code:									
MW-12					Water								
MW-13					Water								
8 MW-14		8-25-21	1719	G	Water	Y	X	X	X				
9 MW-15		8-25-21	1607	G	Water	Y	X	X	X				
Duplicate					Water								
10 MW-07		8/25/21	1430	G	W		X	X	X			added by JAT 8/26/21	
11 MW-08			1247										
12 MW-09			1102										
<b>Possible Hazard Identification</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			<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>								
Deliverable Requested: I, II, III, IV, Other (specify)					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months								
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:							
Relinquished by: <i>Mark Wilson</i>		Date/Time: 8-25-21 / 1930		Company: KPRG		Received by: <i>[Signature]</i>		Date/Time: 8/26/21 0900		Company: EA			
Relinquished by: <i>[Signature]</i>		Date/Time: 8/26/21 0930		Company: EA		Received by: <i>[Signature]</i>		Date/Time: 8/26/21 0950		Company: EA			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>5.0, 2.1</i>									

## Chain of Custody Record

<b>Client Information</b>			Sample: <u>Mark Wilson</u>	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-94077-41748.2					
Client Contact: Richard <u>Snat</u>			Phone: <u>630-325-1300</u>	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:	Page: Page 2 of 2					
Company: KPRG and Associates, Inc.			PWSID:	<b>Analysis Requested</b>		Job #: <u>500-204228</u>					
Address: 14665 West Lisbon Road, Suite 1A			Due Date Requested:	 500-204228 COC		<b>Preservation Codes:</b> A - HCL                      M - Hexane B - NaOH                    N - None C - Zn Acetate              O - AsNaO2 D - Nitric Acid              P - Na2O4S E - NaHSO4                 Q - Na2SO3 F - MeOH                    R - Na2S2O3 G - Amchlor                S - H2SO4 H - Ascorbic Acid         T - TSP Dodecahydrate I - Ice                         U - Acetone J - DI Water                V - MCAA K - EDTA                    W - pH 4-5 L - EDA                      Z - other (specify)					
City: Brookfield			TAT Requested (days):								
State, Zip: WI, 53005			Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone:			PO #: 4502041043								
Email: richardg@kprginc.com			WO #:								
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring			Project #: 50011609	Total Number of Containers							
Site: Illinois			SSOW#:								
<b>Sample Identification</b>			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2640C, 4600_F_C, SM4500_CL_E, SM4500_SO_E	Special Instructions/Note:
13 MW-12			8-26-21	1141	G	Water	Y	X	X	X	
14 MW-13			8-26-21	1516	G	Water	Y	X	X	X	
15 <del>MW-14</del> MW-11			8-26-21	1432	G	Water	Y	X	X	X	
16 <del>MW-15</del> MW-10			8-26-21	1301	G	Water	Y	X	X	X	
Duplicate						Water					
<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: <u>Mark Wilson</u>			Date/Time: <u>8-26-21/1800</u>	Company: <u>KPRG</u>	Received by: <u>S. Neal</u>			Date/Time: <u>8/27/21 0924</u>	Company: <u>ETA</u>		
Relinquished by: <u>S. Neal</u>			Date/Time: <u>8/27/21 1022</u>	Company: <u>ETA</u>	Received by: <u>Stephanie Hernandez</u>			Date/Time: <u>8/27/21 1022</u>	Company: <u>ETA-GHI</u>		
Relinquished by:			Date/Time:	Company:	Received by:			Date/Time:	Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: <u>14.07</u>							

## Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-204228-1

**Login Number: 204228**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Hernandez, Stephanie**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1,5.3,4.8,2.1,1.9,1.2, 5.0,2.1,1.4,0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Lab Chronicle

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

Job ID: 500-204228-1

**Client Sample ID: MW-01**  
**Date Collected: 08/23/21 14:30**  
**Date Received: 08/24/21 09:52**

**Lab Sample ID: 500-204228-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:00	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:26	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:03	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:44	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	618591	09/14/21 15:09	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 11:59	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 13:57	RES	TAL CHI

**Client Sample ID: MW-02**  
**Date Collected: 08/23/21 15:20**  
**Date Received: 08/24/21 09:52**

**Lab Sample ID: 500-204228-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:04	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:37	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	617331	09/03/21 13:07	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:46	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:03	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	618591	09/14/21 15:10	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:02	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 13:58	RES	TAL CHI

**Client Sample ID: Duplicate**  
**Date Collected: 08/23/21 00:00**  
**Date Received: 08/24/21 09:52**

**Lab Sample ID: 500-204228-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:08	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:40	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	617331	09/03/21 13:10	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:49	MJG	TAL CHI

Eurofins TestAmerica, Chicago



# Lab Chronicle

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

Job ID: 500-204228-1

## Client Sample ID: Duplicate

Lab Sample ID: 500-204228-3

Date Collected: 08/23/21 00:00

Matrix: Water

Date Received: 08/24/21 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:06	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:10	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:05	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 15:14	RES	TAL CHI

## Client Sample ID: MW-03

Lab Sample ID: 500-204228-4

Date Collected: 08/24/21 13:12

Matrix: Water

Date Received: 08/25/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:12	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:44	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:14	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:51	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	618591	09/14/21 15:10	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:18	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 13:58	RES	TAL CHI

## Client Sample ID: MW-04

Lab Sample ID: 500-204228-5

Date Collected: 08/24/21 14:34

Matrix: Water

Date Received: 08/25/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:16	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:47	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	617331	09/03/21 13:17	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:53	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:11	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:20	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:27	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	618960	09/16/21 14:05	RES	TAL CHI

# Lab Chronicle

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

Job ID: 500-204228-1

**Client Sample ID: MW-05**  
**Date Collected: 08/24/21 16:05**  
**Date Received: 08/25/21 10:05**

**Lab Sample ID: 500-204228-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:20	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:51	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	617331	09/03/21 13:21	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:55	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		2	618591	09/14/21 15:12	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:40	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 13:59	RES	TAL CHI

**Client Sample ID: MW-06**  
**Date Collected: 08/24/21 17:18**  
**Date Received: 08/25/21 10:05**

**Lab Sample ID: 500-204228-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:33	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:55	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:24	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:57	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	615894	08/26/21 01:16	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		2	618591	09/14/21 15:12	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:43	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 14:00	RES	TAL CHI

**Client Sample ID: MW-14**  
**Date Collected: 08/25/21 17:19**  
**Date Received: 08/26/21 09:50**

**Lab Sample ID: 500-204228-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:37	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 17:58	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		20	617331	09/03/21 13:28	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 09:59	MJG	TAL CHI

Eurofins TestAmerica, Chicago

# Lab Chronicle

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

Job ID: 500-204228-1

## Client Sample ID: MW-14

Date Collected: 08/25/21 17:19

Date Received: 08/26/21 09:50

## Lab Sample ID: 500-204228-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	616591	08/30/21 23:57	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:12	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:46	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 14:01	RES	TAL CHI

## Client Sample ID: MW-15

Date Collected: 08/25/21 16:07

Date Received: 08/26/21 09:50

## Lab Sample ID: 500-204228-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:41	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:02	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:39	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:06	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:05	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:13	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:49	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 14:01	RES	TAL CHI

## Client Sample ID: MW-07

Date Collected: 08/25/21 14:30

Date Received: 08/26/21 09:50

## Lab Sample ID: 500-204228-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:45	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:42	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:14	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:10	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:13	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:52	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 14:01	RES	TAL CHI

# Lab Chronicle

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

Job ID: 500-204228-1

**Client Sample ID: MW-08**  
**Date Collected: 08/25/21 12:47**  
**Date Received: 08/26/21 09:50**

**Lab Sample ID: 500-204228-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:50	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:09	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:46	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:16	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:13	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:13	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:55	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 14:01	RES	TAL CHI

**Client Sample ID: MW-09**  
**Date Collected: 08/25/21 11:02**  
**Date Received: 08/26/21 09:50**

**Lab Sample ID: 500-204228-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:54	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:19	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	617331	09/03/21 13:49	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:18	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:15	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		20	618591	09/14/21 15:23	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 12:58	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 14:02	RES	TAL CHI

**Client Sample ID: MW-12**  
**Date Collected: 08/26/21 11:41**  
**Date Received: 08/27/21 10:22**

**Lab Sample ID: 500-204228-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 14:58	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:23	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 13:53	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:21	MJG	TAL CHI

# Lab Chronicle

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

Job ID: 500-204228-1

## Client Sample ID: MW-12

Date Collected: 08/26/21 11:41

Date Received: 08/27/21 10:22

## Lab Sample ID: 500-204228-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:18	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	618591	09/14/21 15:16	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 13:01	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 14:02	RES	TAL CHI

## Client Sample ID: MW-13

Date Collected: 08/26/21 15:16

Date Received: 08/27/21 10:22

## Lab Sample ID: 500-204228-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 15:02	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:27	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	617331	09/03/21 13:56	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:23	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:21	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		20	618591	09/14/21 15:25	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 13:04	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	618960	09/16/21 14:02	RES	TAL CHI

## Client Sample ID: MW-11

Date Collected: 08/26/21 14:32

Date Received: 08/27/21 10:22

## Lab Sample ID: 500-204228-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 15:06	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:30	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	617331	09/03/21 14:00	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:25	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:23	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	618591	09/14/21 15:16	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 13:07	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	618960	09/16/21 14:41	RES	TAL CHI

# Lab Chronicle

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

Job ID: 500-204228-1

**Client Sample ID: MW-10**

**Lab Sample ID: 500-204228-16**

**Date Collected: 08/26/21 13:01**

**Matrix: Water**

**Date Received: 08/27/21 10:22**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6010C		1	617324	09/03/21 15:10	JJB	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	617270	09/02/21 18:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			617061	09/02/21 08:56	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	617331	09/03/21 14:03	FXG	TAL CHI
Total/NA	Prep	7470A			616460	08/30/21 09:30	MJG	TAL CHI
Total/NA	Analysis	7470A		1	616719	08/31/21 10:31	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	616591	08/31/21 00:26	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	618591	09/14/21 15:17	MS	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	618593	09/14/21 13:20	MS	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	618960	09/16/21 14:47	RES	TAL CHI

**Laboratory References:**

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



## ANALYTICAL REPORT

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

Laboratory Job ID: 500-204228-2  
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:  
10/7/2021 9:05:19 AM

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

### LINKS

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

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

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# Case Narrative

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

Job ID: 500-204228-2

## Job ID: 500-204228-2

### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

#### Job Narrative 500-204228-2

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/24/2021 9:52 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.7° C, 1.2° C, 1.4° C, 1.9° C, 2.1° C, 2.1° C, 4.8° C, 5.0° C, 5.1° C and 5.3° C.

#### RAD

Method 903.0: Radium-226 prep batch 160-525450:

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 (500-204228-1), MW-02 (500-204228-2), Duplicate (500-204228-3), MW-03 (500-204228-4), MW-04 (500-204228-5), MW-05 (500-204228-6), MW-06 (500-204228-7), MW-14 (500-204228-8), (LCS 160-525450/1-A), (MB 160-525450/23-A) and (500-204228-C-2-B DU)

Methods 903.0, 9315: Radium 226 prep batch 160-525451

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-15 (500-204228-9), MW-07 (500-204228-10), MW-08 (500-204228-11), MW-09 (500-204228-12), MW-12 (500-204228-13), MW-13 (500-204228-14), MW-11 (500-204228-15), MW-10 (500-204228-16), (LCS 160-525451/1-A), (MB 160-525451/23-A) and (500-204228-D-9-B DU)

Methods 904.0, 9320: Radium 228 prep batch 160-525698

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-15 (500-204228-9), MW-07 (500-204228-10), MW-08 (500-204228-11), MW-09 (500-204228-12), MW-12 (500-204228-13), MW-13 (500-204228-14), MW-11 (500-204228-15), MW-10 (500-204228-16), (LCS 160-525698/1-A), (MB 160-525698/23-A) and (500-204228-D-9-C DU)

Method 904.0: Radium-228 prep batch 160-525574:

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 (500-204228-1), MW-02 (500-204228-2), Duplicate (500-204228-3), MW-03 (500-204228-4), MW-04 (500-204228-5), MW-05 (500-204228-6), MW-06 (500-204228-7), MW-14 (500-204228-8), (LCS 160-525574/1-A), (MB 160-525574/23-A) and (500-204228-C-2-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

Job ID: 500-204228-2

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

#### Protocol References:

EPA = US Environmental Protection Agency

None = None

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

#### Laboratory References:

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

# Sample Summary

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

Job ID: 500-204228-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-204228-1	MW-01	Water	08/23/21 14:30	08/24/21 09:52
500-204228-2	MW-02	Water	08/23/21 15:20	08/24/21 09:52
500-204228-3	Duplicate	Water	08/23/21 00:00	08/24/21 09:52
500-204228-4	MW-03	Water	08/24/21 13:12	08/25/21 10:05
500-204228-5	MW-04	Water	08/24/21 14:34	08/25/21 10:05
500-204228-6	MW-05	Water	08/24/21 16:05	08/25/21 10:05
500-204228-7	MW-06	Water	08/24/21 17:18	08/25/21 10:05
500-204228-8	MW-14	Water	08/25/21 17:19	08/26/21 09:50
500-204228-9	MW-15	Water	08/25/21 16:07	08/26/21 09:50
500-204228-10	MW-07	Water	08/25/21 14:30	08/26/21 09:50
500-204228-11	MW-08	Water	08/25/21 12:47	08/26/21 09:50
500-204228-12	MW-09	Water	08/25/21 11:02	08/26/21 09:50
500-204228-13	MW-12	Water	08/26/21 11:41	08/27/21 10:22
500-204228-14	MW-13	Water	08/26/21 15:16	08/27/21 10:22
500-204228-15	MW-11	Water	08/26/21 14:32	08/27/21 10:22
500-204228-16	MW-10	Water	08/26/21 13:01	08/27/21 10:22

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# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-01**

**Lab Sample ID: 500-204228-1**

Date Collected: 08/23/21 14:30

Matrix: Water

Date Received: 08/24/21 09:52

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.222	U	0.178	0.179	1.00	0.263	pCi/L	09/03/21 12:35	09/30/21 14:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		40 - 110					09/03/21 12:35	09/30/21 14:08	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.475	U	0.328	0.331	1.00	0.513	pCi/L	09/03/21 14:44	09/29/21 13:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		40 - 110					09/03/21 14:44	09/29/21 13:47	1
Y Carrier	82.6		40 - 110					09/03/21 14:44	09/29/21 13:47	1

**Method: 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>0.697</b>		0.373	0.376	5.00	0.513	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-02**

**Lab Sample ID: 500-204228-2**

Date Collected: 08/23/21 15:20

Matrix: Water

Date Received: 08/24/21 09:52

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.320		0.220	0.222	1.00	0.318	pCi/L	09/03/21 12:35	09/30/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					09/03/21 12:35	09/30/21 14:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.666		0.340	0.346	1.00	0.507	pCi/L	09/03/21 14:44	09/29/21 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					09/03/21 14:44	09/29/21 13:48	1
Y Carrier	83.0		40 - 110					09/03/21 14:44	09/29/21 13:48	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.986		0.405	0.411	5.00	0.507	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: Duplicate**

**Lab Sample ID: 500-204228-3**

Date Collected: 08/23/21 00:00

Matrix: Water

Date Received: 08/24/21 09:52

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258	U	0.214	0.215	1.00	0.325	pCi/L	09/03/21 12:35	09/30/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					09/03/21 12:35	09/30/21 14:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.422	U	0.311	0.313	1.00	0.488	pCi/L	09/03/21 14:44	09/29/21 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					09/03/21 14:44	09/29/21 13:48	1
Y Carrier	86.4		40 - 110					09/03/21 14:44	09/29/21 13:48	1

**Method: 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>0.680</b>		0.378	0.380	5.00	0.488	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-03**  
Date Collected: 08/24/21 13:12  
Date Received: 08/25/21 10:05

**Lab Sample ID: 500-204228-4**  
Matrix: Water

**Method: 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>0.289</b>		0.197	0.198	1.00	0.278	pCi/L	09/03/21 12:35	09/30/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		40 - 110					09/03/21 12:35	09/30/21 14:09	1

**Method: 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>0.474</b>		0.289	0.292	1.00	0.437	pCi/L	09/03/21 14:44	09/29/21 13:48	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		40 - 110					09/03/21 14:44	09/29/21 13:48	1
Y Carrier	84.5		40 - 110					09/03/21 14:44	09/29/21 13:48	1

**Method: 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>0.763</b>		0.350	0.353	5.00	0.437	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-04**  
**Date Collected: 08/24/21 14:34**  
**Date Received: 08/25/21 10:05**

**Lab Sample ID: 500-204228-5**  
**Matrix: Water**

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0245	U	0.212	0.212	1.00	0.412	pCi/L	09/03/21 12:35	09/30/21 14:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		40 - 110					09/03/21 12:35	09/30/21 14:09	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.307	U	0.387	0.388	1.00	0.642	pCi/L	09/03/21 14:44	09/29/21 13:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.1		40 - 110					09/03/21 14:44	09/29/21 13:49	1
Y Carrier	81.1		40 - 110					09/03/21 14:44	09/29/21 13:49	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.332	U	0.441	0.442	5.00	0.642	pCi/L		10/07/21 08:24	1



# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-05**

**Lab Sample ID: 500-204228-6**

Date Collected: 08/24/21 16:05

Matrix: Water

Date Received: 08/25/21 10:05

**Method: 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>0.427</b>		0.264	0.267	1.00	0.370	pCi/L	09/03/21 12:35	09/30/21 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		40 - 110					09/03/21 12:35	09/30/21 14:10	1

**Method: 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>0.808</b>		0.406	0.413	1.00	0.605	pCi/L	09/03/21 14:44	09/29/21 13:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		40 - 110					09/03/21 14:44	09/29/21 13:49	1
Y Carrier	89.7		40 - 110					09/03/21 14:44	09/29/21 13:49	1

**Method: 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>1.23</b>		0.484	0.492	5.00	0.605	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-06**

**Lab Sample ID: 500-204228-7**

Date Collected: 08/24/21 17:18

Matrix: Water

Date Received: 08/25/21 10:05

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.233	U	0.193	0.194	1.00	0.292	pCi/L	09/03/21 12:35	09/30/21 14:10	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	92.1		40 - 110					09/03/21 12:35	09/30/21 14:10	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.110	U	0.270	0.270	1.00	0.468	pCi/L	09/03/21 14:44	09/29/21 13:49	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	92.1		40 - 110					09/03/21 14:44	09/29/21 13:49	1
Y Carrier	74.0		40 - 110					09/03/21 14:44	09/29/21 13:49	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.343	U	0.332	0.332	5.00	0.468	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-14**  
Date Collected: 08/25/21 17:19  
Date Received: 08/26/21 09:50

**Lab Sample ID: 500-204228-8**  
Matrix: Water

**Method: 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>0.761</b>		0.337	0.343	1.00	0.412	pCi/L	09/03/21 12:35	09/30/21 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		40 - 110					09/03/21 12:35	09/30/21 14:10	1

**Method: 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>0.667</b>		0.360	0.365	1.00	0.526	pCi/L	09/03/21 14:44	09/29/21 13:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		40 - 110					09/03/21 14:44	09/29/21 13:49	1
Y Carrier	85.2		40 - 110					09/03/21 14:44	09/29/21 13:49	1

**Method: 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>1.43</b>		0.493	0.501	5.00	0.526	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-15**

**Lab Sample ID: 500-204228-9**

Date Collected: 08/25/21 16:07

Matrix: Water

Date Received: 08/26/21 09:50

**Method: 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>0.576</b>		0.302	0.306	1.00	0.385	pCi/L	09/03/21 12:38	09/30/21 18:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		40 - 110					09/03/21 12:38	09/30/21 18:54	1

**Method: 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>0.882</b>		0.413	0.421	1.00	0.602	pCi/L	09/07/21 10:34	09/30/21 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		40 - 110					09/07/21 10:34	09/30/21 12:29	1
Y Carrier	69.2		40 - 110					09/07/21 10:34	09/30/21 12:29	1

**Method: 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>1.46</b>		0.512	0.520	5.00	0.602	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-07**

**Lab Sample ID: 500-204228-10**

Date Collected: 08/25/21 14:30

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.649		0.279	0.285	1.00	0.313	pCi/L	09/03/21 12:38	09/30/21 18:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					09/03/21 12:38	09/30/21 18:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.558		0.323	0.327	1.00	0.492	pCi/L	09/07/21 10:34	09/30/21 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					09/07/21 10:34	09/30/21 12:33	1
Y Carrier	79.3		40 - 110					09/07/21 10:34	09/30/21 12:33	1

**Method: Ra226\_Ra228 - Combined Radium-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		0.427	0.434	5.00	0.492	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-08**

**Lab Sample ID: 500-204228-11**

Date Collected: 08/25/21 12:47

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.301		0.214	0.216	1.00	0.292	pCi/L	09/03/21 12:38	09/30/21 18:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					09/03/21 12:38	09/30/21 18:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.587		0.316	0.321	1.00	0.474	pCi/L	09/07/21 10:34	09/30/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.7		40 - 110					09/07/21 10:34	09/30/21 12:30	1
Y Carrier	81.1		40 - 110					09/07/21 10:34	09/30/21 12:30	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.888		0.382	0.387	5.00	0.474	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-09**

**Lab Sample ID: 500-204228-12**

Date Collected: 08/25/21 11:02

Matrix: Water

Date Received: 08/26/21 09:50

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.193	0.193	1.00	0.335	pCi/L	09/03/21 12:38	09/30/21 18:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		40 - 110					09/03/21 12:38	09/30/21 18:56	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.206	U	0.267	0.268	1.00	0.444	pCi/L	09/07/21 10:34	09/30/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		40 - 110					09/07/21 10:34	09/30/21 12:30	1
Y Carrier	80.7		40 - 110					09/07/21 10:34	09/30/21 12:30	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.326	U	0.329	0.330	5.00	0.444	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-12**

**Lab Sample ID: 500-204228-13**

Date Collected: 08/26/21 11:41

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.356	U	0.298	0.300	1.00	0.456	pCi/L	09/03/21 12:38	09/30/21 18:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					09/03/21 12:38	09/30/21 18:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.675		0.313	0.319	1.00	0.447	pCi/L	09/07/21 10:34	09/30/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		40 - 110					09/07/21 10:34	09/30/21 12:30	1
Y Carrier	80.7		40 - 110					09/07/21 10:34	09/30/21 12:30	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.03		0.432	0.438	5.00	0.456	pCi/L		10/07/21 08:24	1



# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-13**

**Lab Sample ID: 500-204228-14**

Date Collected: 08/26/21 15:16

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.422	U	0.353	0.355	1.00	0.526	pCi/L	09/03/21 12:38	09/30/21 18:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		40 - 110					09/03/21 12:38	09/30/21 18:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0937	U	0.403	0.403	1.00	0.744	pCi/L	09/07/21 10:35	09/30/21 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		40 - 110					09/07/21 10:35	09/30/21 12:30	1
Y Carrier	77.0		40 - 110					09/07/21 10:35	09/30/21 12:30	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.328	U	0.536	0.537	5.00	0.744	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-11**

**Lab Sample ID: 500-204228-15**

Date Collected: 08/26/21 14:32

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.505	U	0.393	0.396	1.00	0.593	pCi/L	09/03/21 12:38	09/30/21 18:52	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	67.5		40 - 110					09/03/21 12:38	09/30/21 18:52	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.780		0.422	0.428	1.00	0.634	pCi/L	09/07/21 10:35	09/30/21 12:32	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	67.5		40 - 110					09/07/21 10:35	09/30/21 12:32	1
Y Carrier	81.5		40 - 110					09/07/21 10:35	09/30/21 12:32	1

**Method: Ra226\_Ra228 - Combined Radium-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		0.577	0.583	5.00	0.634	pCi/L		10/07/21 08:24	1

# Client Sample Results

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

Job ID: 500-204228-2

**Client Sample ID: MW-10**

**Lab Sample ID: 500-204228-16**

Date Collected: 08/26/21 13:01

Matrix: Water

Date Received: 08/27/21 10:22

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.361	U	0.318	0.320	1.00	0.495	pCi/L	09/03/21 12:38	09/30/21 18:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		40 - 110					09/03/21 12:38	09/30/21 18:51	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.12		0.381	0.395	1.00	0.510	pCi/L	09/07/21 10:35	09/30/21 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		40 - 110					09/07/21 10:35	09/30/21 12:32	1
Y Carrier	84.5		40 - 110					09/07/21 10:35	09/30/21 12:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.48		0.496	0.508	5.00	0.510	pCi/L		10/07/21 08:24	1

# Definitions/Glossary

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

Job ID: 500-204228-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

## Glossary

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

# QC Association Summary

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

Job ID: 500-204228-2

## Rad

### Prep Batch: 525450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	PrecSep-21	
500-204228-2	MW-02	Total/NA	Water	PrecSep-21	
500-204228-3	Duplicate	Total/NA	Water	PrecSep-21	
500-204228-4	MW-03	Total/NA	Water	PrecSep-21	
500-204228-5	MW-04	Total/NA	Water	PrecSep-21	
500-204228-6	MW-05	Total/NA	Water	PrecSep-21	
500-204228-7	MW-06	Total/NA	Water	PrecSep-21	
500-204228-8	MW-14	Total/NA	Water	PrecSep-21	
MB 160-525450/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-525450/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-204228-2 DU	MW-02	Total/NA	Water	PrecSep-21	

### Prep Batch: 525451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-9	MW-15	Total/NA	Water	PrecSep-21	
500-204228-10	MW-07	Total/NA	Water	PrecSep-21	
500-204228-11	MW-08	Total/NA	Water	PrecSep-21	
500-204228-12	MW-09	Total/NA	Water	PrecSep-21	
500-204228-13	MW-12	Total/NA	Water	PrecSep-21	
500-204228-14	MW-13	Total/NA	Water	PrecSep-21	
500-204228-15	MW-11	Total/NA	Water	PrecSep-21	
500-204228-16	MW-10	Total/NA	Water	PrecSep-21	
MB 160-525451/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-525451/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-204228-9 DU	MW-15	Total/NA	Water	PrecSep-21	

### Prep Batch: 525574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-1	MW-01	Total/NA	Water	PrecSep_0	
500-204228-2	MW-02	Total/NA	Water	PrecSep_0	
500-204228-3	Duplicate	Total/NA	Water	PrecSep_0	
500-204228-4	MW-03	Total/NA	Water	PrecSep_0	
500-204228-5	MW-04	Total/NA	Water	PrecSep_0	
500-204228-6	MW-05	Total/NA	Water	PrecSep_0	
500-204228-7	MW-06	Total/NA	Water	PrecSep_0	
500-204228-8	MW-14	Total/NA	Water	PrecSep_0	
MB 160-525574/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-525574/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-204228-2 DU	MW-02	Total/NA	Water	PrecSep_0	

### Prep Batch: 525698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-204228-9	MW-15	Total/NA	Water	PrecSep_0	
500-204228-10	MW-07	Total/NA	Water	PrecSep_0	
500-204228-11	MW-08	Total/NA	Water	PrecSep_0	
500-204228-12	MW-09	Total/NA	Water	PrecSep_0	
500-204228-13	MW-12	Total/NA	Water	PrecSep_0	
500-204228-14	MW-13	Total/NA	Water	PrecSep_0	
500-204228-15	MW-11	Total/NA	Water	PrecSep_0	
500-204228-16	MW-10	Total/NA	Water	PrecSep_0	
MB 160-525698/23-A	Method Blank	Total/NA	Water	PrecSep_0	

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# QC Association Summary

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

Job ID: 500-204228-2

## Rad (Continued)

### Prep Batch: 525698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-525698/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-204228-9 DU	MW-15	Total/NA	Water	PrecSep_0	

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

# QC Sample Results

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

Job ID: 500-204228-2

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

**Lab Sample ID: MB 160-525450/23-A**  
**Matrix: Water**  
**Analysis Batch: 529546**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 525450**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.03545	U	0.170	0.170	1.00	0.320	pCi/L	09/03/21 12:35	09/30/21 14:10	1
Carrier	MB	MB	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	40 - 110				09/03/21 12:35		09/30/21 14:10	1
	88.5									

**Lab Sample ID: LCS 160-525450/1-A**  
**Matrix: Water**  
**Analysis Batch: 529546**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 525450**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.39		1.37	1.00	0.281	pCi/L	100	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	%Yield	Qualifier	40 - 110						
	85.4								

**Lab Sample ID: 500-204228-2 DU**  
**Matrix: Water**  
**Analysis Batch: 529546**

**Client Sample ID: MW-02**  
**Prep Type: Total/NA**  
**Prep Batch: 525450**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.320		0.2343	U	0.198	1.00	0.298	pCi/L	0.20	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	88.5									

**Lab Sample ID: MB 160-525451/23-A**  
**Matrix: Water**  
**Analysis Batch: 529524**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 525451**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1879	U	0.225	0.226	1.00	0.371	pCi/L	09/03/21 12:38	09/30/21 21:59	1
Carrier	MB	MB	Limits				Prepared		Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	40 - 110				09/03/21 12:38		09/30/21 21:59	1
	87.0									

**Lab Sample ID: LCS 160-525451/1-A**  
**Matrix: Water**  
**Analysis Batch: 529520**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 525451**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.44		1.34	1.00	0.352	pCi/L	92	75 - 125

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# QC Sample Results

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

Job ID: 500-204228-2

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

Lab Sample ID: LCS 160-525451/1-A  
Matrix: Water  
Analysis Batch: 529520

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 525451

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.6		40 - 110

Lab Sample ID: 500-204228-9 DU  
Matrix: Water  
Analysis Batch: 529520

Client Sample ID: MW-15  
Prep Type: Total/NA  
Prep Batch: 525451

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-226	0.576		0.5963		0.297	1.00	0.351	pCi/L	0.03	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	82.6		40 - 110

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

Lab Sample ID: MB 160-525574/23-A  
Matrix: Water  
Analysis Batch: 529319

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 525574

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		40 - 110	09/03/21 14:44	09/29/21 13:49	1
Y Carrier	84.9		40 - 110	09/03/21 14:44	09/29/21 13:49	1

Lab Sample ID: LCS 160-525574/1-A  
Matrix: Water  
Analysis Batch: 529318

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 525574

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec.
									Limits
Radium-228	9.29	10.71		1.30	1.00	0.494	pCi/L	115	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	85.4		40 - 110
Y Carrier	75.5		40 - 110

Lab Sample ID: 500-204228-2 DU  
Matrix: Water  
Analysis Batch: 529319

Client Sample ID: MW-02  
Prep Type: Total/NA  
Prep Batch: 525574

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-228	0.666		0.3882	U	0.297	1.00	0.464	pCi/L	0.43	1

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# QC Sample Results

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

Job ID: 500-204228-2

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

**Lab Sample ID: 500-204228-2 DU**  
**Matrix: Water**  
**Analysis Batch: 529319**

**Client Sample ID: MW-02**  
**Prep Type: Total/NA**  
**Prep Batch: 525574**

Carrier	%Yield	Qualifier	Limits
Ba Carrier	88.5		40 - 110
Y Carrier	85.6		40 - 110

**Lab Sample ID: MB 160-525698/23-A**  
**Matrix: Water**  
**Analysis Batch: 529524**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 525698**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1695	U	0.258	0.259	1.00	0.434	pCi/L	09/07/21 10:35	09/30/21 12:38	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		40 - 110	09/07/21 10:35	09/30/21 12:38	1
Y Carrier	85.6		40 - 110	09/07/21 10:35	09/30/21 12:38	1

**Lab Sample ID: LCS 160-525698/1-A**  
**Matrix: Water**  
**Analysis Batch: 529523**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 525698**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	9.29	9.537		1.13	1.00	0.436	pCi/L	103	75 - 125

Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.6		40 - 110
Y Carrier	81.5		40 - 110

**Lab Sample ID: 500-204228-9 DU**  
**Matrix: Water**  
**Analysis Batch: 529523**

**Client Sample ID: MW-15**  
**Prep Type: Total/NA**  
**Prep Batch: 525698**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.882		1.033		0.349	1.00	0.435	pCi/L	0.20	1


Carrier	%Yield	Qualifier	Limits
Ba Carrier	82.6		40 - 110
Y Carrier	82.2		40 - 110

**Eurofins TestAmerica, 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	Lab PM	Carrier Tracking No(s)	COC No:			
Client Contact: Richard Gnat		Phone:	Mockler Diana J	State of Origin.	500-94077-41748 1			
Company KPRG and Associates, Inc.		PWSID:	E-Mail Diana Mockler@Eurofinset.com	Page Page 1 of 2				
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested:	<b>Analysis Requested</b>  500-204228 COC					
City: Brookfield		TAT Requested (days):						
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	Job #: 500-204228 <b>Preservation Codes:</b> A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other:					
Phone:		PO # 4502041043						
Email: richardg@kprginc.com		WO #:						
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project # 50011609						
Site: Illinois		SSOW#:	Total Number of Containers					
<b>Sample Identification</b>		Sample Date				Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)
							Preservation Code:	
1	MW-01	8-23				1430		Water
2	MW-02	↓				1520		Water
3	<del>MW-03</del> Duplicate	↓				-		Water
	MW-04							Water
	MW-05							Water
	MW-06							Water
	MW-07							Water
	MW-08							Water
	MW-09				Water			
	MW-10				Water			
	MW-11				Water			
<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>GRB</i>		Date/Time: 8/23 1630	Company:	Received by: <i>MVed</i> 8/24/21 0900 Company: <i>ETA</i>				
Relinquished by: <i>MVed</i>		Date/Time: 8/24/21 0952	Company: <i>ETA</i>	Received by: <i>Stephanie Hernandez</i> 8/24/21 0952 Company: <i>ETA-CH</i>				
Relinquished by:		Date/Time:	Company:	Received by:				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 5.1, 5.3, 4.8				

**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>Mark Wilson</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500-94077-41748 2					
Client Contact: Richard Gnat		Phone: <i>630-325-7300</i>		E-Mail: Diana Mockler@Eurofinset.com		State of Origin:		Page: Page 2 of 2					
Company: KPRG and Associates, Inc				PWSID		<b>Analysis Requested</b>							
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500, F, C, SM4500, C, E, SM4500, SO4, E		 500-204228 COC		Job #: <i>500-204228</i>					
City: Brookfield		TAT Requested (days):						Total Number of Containers		<b>Preservation Codes</b> A - HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D - Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T - TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)			
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								Other:		<b>Special Instructions/Note</b>	
Phone:		PO #: 4502041043											
Email: richardg@kprginc.com		WO #:											
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609											
Site: Illinois		SSOW#:											
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)						
				Preservation Code:									
MW-12					Water								
MW-13					Water								
MW-14					Water								
MW-15					Water								
Duplicate					Water								
4 MW-3		8-24-21	1312	G	water	X	X	X					
5 MW-4		8-24-21	1434	G	water	X	X	X					
6 MW-5		8-24-21	1605	G	water	X	X	X					
7 MW-6		8-24-21	1718	G	water	X	X	X					
<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>Mark Wilson</i>		Date/Time: <i>8-24-21/1930</i>		Company: <i>KPRG</i>		Received by: <i>I. Neal</i>		Date/Time: <i>8/25/21 0905</i>					
Relinquished by: <i>I. Neal</i>		Date/Time: <i>8/25/21 1005</i>		Company: <i>ETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>8/25/21 1005</i>					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:					
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: <i>2.1, 1.9, 1.2</i>									

**Eurofins TestAmerica, Chicago**

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

**Chain of Custody Record**




ofins Environment Testing America

<b>Client Information</b>		Sample: <i>Mark Wilson</i>	Lab PM: Mockler, Diana J	Carrier Tracking No: 500-204228 COC 077-41748.2								
Client Contact: Richard Gnat		Phone: <i>630-677-1952</i>	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:								
Company: KPRG and Associates, Inc.		PWSID:	Page 2 of 2									
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:	<b>Analysis Requested</b>									
City: Brookfield		TAT Requested (days):	Job: <i>500-204228</i>									
State, Zip: WI, 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	Preservation Codes:									
Phone:		PO #: 4502041043	A - HCL M - Hexane									
Email: richardg@kprginc.com		WO #:	B - NaOH N - None									
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609	C - Zn Acetate O - AsNaO2									
Site: Illinois		SSOW#:	D - Nitric Acid P - Na2O4S									
			E - NaHSO4 Q - Na2SO3									
			F - MeOH R - Na2S2O3									
			G - Amchlor S - H2SO4									
			H - Ascorbic Acid T - TSP Dodecahydrate									
			I - Ice U - Acetone									
			J - DI Water V - MCAA									
			K - EDTA W - pH 4-5									
			L - EDA Z - other (specify)									
			Other:									
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Parform MS/MSD (Yes or No)	903.0, 804.0	6010C, 6020A, 7470A	2540C, 4500_F_G, SM4500_CLE, SM4500_SO_E	Total Number of Containers	Special Instructions/Note:
				Preservation Code:								
MW-12					Water							
MW-13					Water							
8 MW-14		8-25-21	1719	G	Water	Y	X	X	X			
9 MW-15		8-25-21	1607	G	Water	Y	X	X	X			
Duplicate					Water							
10 MW-07		8/25/21	1430	G	W		X	X	X			added by JAT 8/26/21
11 MW-08			1247	I	I		I	I	I			
12 MW-09			1102	I	I		I	I	I			
<b>Possible Hazard Identification</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			<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>							
Deliverable Requested: I, II, III, IV, Other (specify)					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months							
Empty Kit Relinquished by:		Date:	Time:	Special Instructions/QC Requirements:								
Relinquished by: <i>Mark Wilson</i>		Date/Time: 8-25-21 / 1930	Company: KPRG	Received by: <i>[Signature]</i>		Date/Time: 8/26/21 0900	Company: EA					
Relinquished by: <i>[Signature]</i>		Date/Time: 8/26/21 0930	Company: EA	Received by: <i>[Signature]</i>		Date/Time: 8/26/21 0950	Company: EA					
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>5.0, 2.1</i>								

**Eurofins TestAmerica, Chicago**

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 University Park, IL 60484  
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**Chain of Custody Record**

<b>Client Information</b>		Sample: <i>Mark Wilson</i>	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-94077-41748.2						
Client Contact: Richard Snat		Phone: 630-325-1300	E-Mail: Diana.Mockler@Eurofinset.com	State of Origin:	Page: Page 2 of 2						
Company: KPRG and Associates, Inc.		PWSID:	<b>Analysis Requested</b>								
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:	 500-204228 COC								
City: Brookfield		TAT Requested (days):									
State, Zip: WI, 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone:		PO #: 4502041043									
Email: richardg@kprginc.com		WO #:									
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609	Job #: 500-204228								
Site: Illinois		SSOW#:	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)								
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2640C, 4600_F_G, SM4500_CL_E, SM4500_SO_E	Total Number of Containers	Special Instructions/Note:
				Preservation Code			D	D	N		
13	MW-12	8-26-21	1141	G	Water	Y	X	X	X		
14	MW-13	8-26-21	1516	G	Water	Y	X	X	X		
15	<del>MW-14</del> MW-11	8-26-21	1432	G	Water	Y	X	X	X		
16	<del>MW-15</del> MW-10	8-26-21	1301	G	Water	Y	X	X	X		
	Duplicate				Water						
<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>Mark Wilson</i>		Date/Time: 8/26-21/1800	Company: KPRG	Received by: <i>S. Neal</i>		Date/Time: 8/27/21 0924	Company: <i>ETA</i>				
Relinquished by: <i>S. Neal</i>		Date/Time: 8/27/21 1022	Company: <i>ETA</i>	Received by: <i>Stephanie Hernandez</i>		Date/Time: 8/27/21 1022	Company: <i>ETA-GHI</i>				
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: 14.07							



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# Chain of Custody Record



Environment Testing  
 America



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-151899-1
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofins.com	State of Origin: Illinois
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	
Address: 13715 Rider Trail North, Earth City State, Zip: MO, 63045		COC No: 500-204228-2	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Page: Page 1 of 1	
Email:		Job #: 500-204228-2	
Project Name: Will County CCR		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Site: NRG Midwest Generation Will County		Other:	
Due Date Requested: 9/14/2021		Analysis Requested	
TAT Requested (days):		Total Number of Containers	
PO #:		903.0/PreSep_21 Standard Target List	
WO #:		904.0/PreSep_0 Standard Target List	
Project #: 50011609		Perform MS/MSD (Yes or No)	
SSOW#:		Field Filtered Sample (Yes or No)	
Sample Date		Preservation Code:	
Sample Time		Matrix	
Sample Type (C=Comp, G=grab)		Special Instructions/Note:	
Sample Identification - Client ID (Lab ID)		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	
MW-03 (500-204228-4)	8/24/21 13:12 Central	X	X
MW-04 (500-204228-5)	8/24/21 14:34 Central	X	X
MW-05 (500-204228-6)	8/24/21 16:05 Central	X	X
MW-06 (500-204228-7)	8/24/21 17:18 Central	X	X
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte &amp; accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to Eurofins TestAmerica.</p>			
<b>Possible Hazard Identification</b>			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Primary Deliverable Rank: 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Empty Kit Relinquished by:		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Relinquished by: <i>Alvin</i>		Method of Shipment:	
Date/Time: 8/24/21 16:20		Received by: <i>Michael Bourking</i>	
Date/Time: 8/24/21 09:00		Date/Time: 8/24/21 09:00	
Date/Time: 8/24/21		Date/Time: 8/24/21	
Date/Time: 8/24/21		Date/Time: 8/24/21	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:			



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-204228-2

**Login Number: 204228**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Hernandez, Stephanie**

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	5.1,5.3,4.8,2.1,1.9,1.2, 5.0,2.1,1.4,0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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: 500-204228-2

**Login Number: 204228**

**List Number: 2**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 08/25/21 10:36 PM**

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.	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 <math><6\text{mm}</math> (1/4").	True	
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: 500-204228-2

**Login Number: 204228**

**List Number: 3**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 08/26/21 07:03 PM**

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.	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 <math><6\text{mm}</math> (1/4").	True	
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: 500-204228-2

**Login Number: 204228**

**List Number: 4**

**Creator: Korrinhizer, Micha L**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 08/27/21 08:54 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	



# Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-204228-2

**Login Number: 204228**

**List Number: 5**

**Creator: Mazariegos, Leonel A**

**List Source: Eurofins TestAmerica, St. Louis**

**List Creation: 08/28/21 01:34 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	

# Lab Chronicle

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

Job ID: 500-204228-2

## Client Sample ID: MW-01

Date Collected: 08/23/21 14:30

Date Received: 08/24/21 09:52

## Lab Sample ID: 500-204228-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:08	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:47	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-02

Date Collected: 08/23/21 15:20

Date Received: 08/24/21 09:52

## Lab Sample ID: 500-204228-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:09	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:48	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: Duplicate

Date Collected: 08/23/21 00:00

Date Received: 08/24/21 09:52

## Lab Sample ID: 500-204228-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:09	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:48	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-03

Date Collected: 08/24/21 13:12

Date Received: 08/25/21 10:05

## Lab Sample ID: 500-204228-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:09	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:48	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

# Lab Chronicle

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

Job ID: 500-204228-2

## Client Sample ID: MW-04

Lab Sample ID: 500-204228-5

Date Collected: 08/24/21 14:34

Matrix: Water

Date Received: 08/25/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:09	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:49	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-05

Lab Sample ID: 500-204228-6

Date Collected: 08/24/21 16:05

Matrix: Water

Date Received: 08/25/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:10	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:49	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-06

Lab Sample ID: 500-204228-7

Date Collected: 08/24/21 17:18

Matrix: Water

Date Received: 08/25/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:10	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:49	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-14

Lab Sample ID: 500-204228-8

Date Collected: 08/25/21 17:19

Matrix: Water

Date Received: 08/26/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525450	09/03/21 12:35	MJ	TAL SL
Total/NA	Analysis	903.0		1	529546	09/30/21 14:10	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525574	09/03/21 14:44	MJ	TAL SL
Total/NA	Analysis	904.0		1	529319	09/29/21 13:49	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

# Lab Chronicle

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

Job ID: 500-204228-2

## Client Sample ID: MW-15

Lab Sample ID: 500-204228-9

Date Collected: 08/25/21 16:07

Matrix: Water

Date Received: 08/26/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529520	09/30/21 18:54	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:34	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:29	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-07

Lab Sample ID: 500-204228-10

Date Collected: 08/25/21 14:30

Matrix: Water

Date Received: 08/26/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529520	09/30/21 18:56	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:34	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:33	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-08

Lab Sample ID: 500-204228-11

Date Collected: 08/25/21 12:47

Matrix: Water

Date Received: 08/26/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529520	09/30/21 18:56	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:34	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:30	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-09

Lab Sample ID: 500-204228-12

Date Collected: 08/25/21 11:02

Matrix: Water

Date Received: 08/26/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529520	09/30/21 18:56	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:34	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:30	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

# Lab Chronicle

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

Job ID: 500-204228-2

## Client Sample ID: MW-12

Lab Sample ID: 500-204228-13

Date Collected: 08/26/21 11:41

Matrix: Water

Date Received: 08/27/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529523	09/30/21 18:52	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:34	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:30	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-13

Lab Sample ID: 500-204228-14

Date Collected: 08/26/21 15:16

Matrix: Water

Date Received: 08/27/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529523	09/30/21 18:52	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:35	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:30	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-11

Lab Sample ID: 500-204228-15

Date Collected: 08/26/21 14:32

Matrix: Water

Date Received: 08/27/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529523	09/30/21 18:52	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:35	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:32	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

## Client Sample ID: MW-10

Lab Sample ID: 500-204228-16

Date Collected: 08/26/21 13:01

Matrix: Water

Date Received: 08/27/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			525451	09/03/21 12:38	MJ	TAL SL
Total/NA	Analysis	903.0		1	529524	09/30/21 18:51	EMH	TAL SL
Total/NA	Prep	PrecSep_0			525698	09/07/21 10:35	MJ	TAL SL
Total/NA	Analysis	904.0		1	529523	09/30/21 12:32	EMH	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

### Laboratory References:

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



# Tracer/Carrier Summary

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

Job ID: 500-204228-2

## 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)
500-204228-1	MW-01	89.8
500-204228-2	MW-02	90.5
500-204228-2 DU	MW-02	88.5
500-204228-3	Duplicate	88.0
500-204228-4	MW-03	92.1
500-204228-5	MW-04	71.1
500-204228-6	MW-05	73.4
500-204228-7	MW-06	92.1
500-204228-8	MW-14	88.7
500-204228-9	MW-15	79.3
500-204228-9 DU	MW-15	82.6
500-204228-10	MW-07	92.6
500-204228-11	MW-08	87.7
500-204228-12	MW-09	89.0
500-204228-13	MW-12	81.3
500-204228-14	MW-13	72.9
500-204228-15	MW-11	67.5
500-204228-16	MW-10	74.2
LCS 160-525450/1-A	Lab Control Sample	85.4
LCS 160-525451/1-A	Lab Control Sample	93.6
MB 160-525450/23-A	Method Blank	88.5
MB 160-525451/23-A	Method Blank	87.0

### Tracer/Carrier Legend

Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

### Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-204228-1	MW-01	89.8	82.6
500-204228-2	MW-02	90.5	83.0
500-204228-2 DU	MW-02	88.5	85.6
500-204228-3	Duplicate	88.0	86.4
500-204228-4	MW-03	92.1	84.5
500-204228-5	MW-04	71.1	81.1
500-204228-6	MW-05	73.4	89.7
500-204228-7	MW-06	92.1	74.0
500-204228-8	MW-14	88.7	85.2
500-204228-9	MW-15	79.3	69.2
500-204228-9 DU	MW-15	82.6	82.2
500-204228-10	MW-07	92.6	79.3
500-204228-11	MW-08	87.7	81.1
500-204228-12	MW-09	89.0	80.7
500-204228-13	MW-12	81.3	80.7
500-204228-14	MW-13	72.9	77.0
500-204228-15	MW-11	67.5	81.5
500-204228-16	MW-10	74.2	84.5

Eurofins TestAmerica, Chicago

# Tracer/Carrier Summary

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

Job ID: 500-204228-2

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Yield (Acceptance Limits)

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Ba</u> <u>(40-110)</u>	<u>Y</u> <u>(40-110)</u>
LCS 160-525574/1-A	Lab Control Sample	85.4	75.5
LCS 160-525698/1-A	Lab Control Sample	93.6	81.5
MB 160-525574/23-A	Method Blank	88.5	84.9
MB 160-525698/23-A	Method Blank	87.0	85.6

### Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier