

DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

Regulated Unit(s): Pond 2 S (IEPA ID No. W1978100011-03)
 Pond 3 S (IEPA ID No. W1978100011-04)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 3rd quarter 2021 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 including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables as they will be calculated and proposed as part of the Operating Permit submittals due by October 31, 2021. 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-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
MW-06	2/23/2021	0.31
	4/10/2021	11.17
	4/25/2021	15.04
	5/24/2021	5.18
	6/11/2021	2.96
	6/29/2021	4.06
	7/12/2021	6.43
	8/4/2021	3.5
	8/24/2021	7
MW-09	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0
	8/25/2021	19.9
MW-10	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	23.45
	8/4/2021	47.68
	8/26/2021	27.5
MW-11	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
MW-12	4/10/2021	31.67
	4/25/2021	15.04
	5/25/2021	28.65
	6/11/2021	6.1
	6/29/2021	13.04
	7/12/2021	12.99
	8/4/2021	11.97
	8/26/2021	10.9
9/24/2021	11.97	

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: 500-204228-1
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

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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

Job ID: 500-204228-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

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:

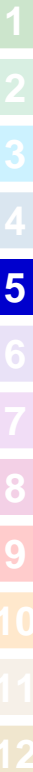
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Lab Sample ID: 500-204228-1

Date Collected: 08/23/21 14:30

Matrix: Water

Date Received: 08/24/21 09:52

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
Arsenic	0.0054		0.0010		mg/L		09/02/21 08:56	09/02/21 17:51	1
Barium	0.028		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
Boron	4.6		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
Calcium	33		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
Molybdenum	0.091		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
Total Dissolved Solids	580		10		mg/L			08/26/21 01:14	1
Chloride	45		4.0		mg/L			09/14/21 15:12	2
Fluoride	0.74		0.10		mg/L			09/14/21 12:40	1
Sulfate	410		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

Lab Sample ID: 500-204228-9

Date Collected: 08/25/21 16:07

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 14:41	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
Arsenic	0.0065		0.0010		mg/L		09/02/21 08:56	09/02/21 18:19	1
Barium	0.049		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
Boron	1.9		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
Calcium	60		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
Molybdenum	0.067		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
Total Dissolved Solids	800		10		mg/L			08/31/21 00:15	1
Chloride	360		40		mg/L			09/14/21 15:23	20
Fluoride	0.43		0.10		mg/L			09/14/21 12:58	1
Sulfate	210		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
Date Collected: 08/26/21 14:32
Date Received: 08/27/21 10:22

Lab Sample ID: 500-204228-15
Matrix: Water

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
Date Collected: 08/26/21 13:01
Date Received: 08/27/21 10:22

Lab Sample ID: 500-204228-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		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

Client Information		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:	Analysis 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 #:	Job # 500-204228 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) Other:						
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609							
Site: Illinois		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
				Preservation Code:					
1	MW-01	8-23	1430		Water				
2	MW-02	↓	1520		Water				
3	MW-03 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				
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I II, III IV Other (specify)					Special Instructions/QC Requirements.				
Empty Kit Relinquished by		Date	Time:	Method of Shipment:					
Relinquished by <i>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

Client Information		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		Analysis Requested					
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		 500-204228 COC		Job #: <i>500-20A-228</i>			
City: Brookfield		TAT Requested (days):						Total Number of Containers		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)	
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								Other:	
Phone:		PO #: 4502041043								Special Instructions/Note	
Email: richardg@kprginc.com		WO #:									
Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Project #: 50011609									
Site: Illinois		SSOW#:									
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)			
						Preservation Code:					
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			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested I II III IV, Other (specify)					Special Instructions/QC Requirements						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <i>Mark Wilson</i>		Date/Time: 8-24-21/1930		Company: <i>KPRG</i>		Received by: <i>I. Neal</i>		Date/Time: 8/25/21 0905		Company: <i>ETA</i>	
Relinquished by: <i>I. Neal</i>		Date/Time: 8/25/21 1005		Company: <i>ETA</i>		Received by: <i>Stephanie Hernandez</i>		Date/Time: 8/25/21 1005		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



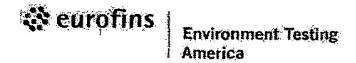
ofins Environment Testing America

Client Information		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:	Analysis Requested										
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:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	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										
Possible Hazard Identification		<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			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
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

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

Chain of Custody Record



Client Information		Sample: <u>Mark Wilson</u>	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-94077-41748.2				
Client Contact: Richard Snat		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:	Analysis Requested		Job #: <u>500-204228</u>				
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:	<p>500-204228 COC</p>		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)				
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#:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	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 MW-14 MW-11	8-26-21	1432	G	Water	Y	X	X	X	
16 MW-15 MW-10	8-26-21	1301	G	Water	Y	X	X	X	
Duplicate				Water					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements.			
Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:				
Relinquished by: <u>Mark Wilson</u>		Date/Time: <u>8-26-21/1800</u>	Company: <u>KPRG</u>		Received by: <u>P. Neal</u>		Date/Time: <u>8/27/21 0924</u>		Company: <u>ETA</u>
Relinquished by: <u>P. 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:		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: <u>14.07</u>					
<input type="checkbox"/> Yes <input type="checkbox"/> No									

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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1,5.3,4.8,2.1,1.9,1.2, 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	

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

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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

- 1
- 2
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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
Combined Radium 226 + 228	0.697		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
Combined Radium 226 + 228	0.680		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
Radium-226	0.289		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
Radium-228	0.474		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
Combined Radium 226 + 228	0.763		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
Radium-226	0.427		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
Radium-228	0.808		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
Combined Radium 226 + 228	1.23		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
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
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
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
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
Radium-226	0.761		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
Radium-228	0.667		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
Combined Radium 226 + 228	1.43		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
Radium-226	0.576		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
Radium-228	0.882		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
Combined Radium 226 + 228	1.46		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
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
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
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
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		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB 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		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB 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		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		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		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB 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		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB 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 MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
	Result	Qualifier										
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 Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	
	Result	Qual							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

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University Park, IL 60484
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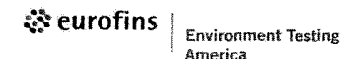
Chain of Custody Record


Client Information		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:	Analysis 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 #:	Job # 500-204228 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) Other:							
Project Name Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609								
Site: Illinois		SSOW#:								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:	
				Preservation Code:						
1	MW-01	8-23	1430		Water		X			
2	MW-02	↓	1520		Water		X			
3	MW-03 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					
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested I II, III IV Other (specify)				Special Instructions/QC Requirements.						
Empty Kit Relinquished by		Date		Time:		Method of Shipment:				
Relinquished by <i>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>						

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Chain of Custody Record



Client Information		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		Analysis Requested					
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_C1_E, SM4500_SO4_E		500-204228 COC 		Job #: <i>500-20A-228</i>			
City: Brookfield		TAT Requested (days):						Total Number of Containers		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)	
State Zip: WI 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								Other:	
Phone:		PO #: 4502041043								WO #:	
Email: richardg@kprginc.com		Project #: 50011609		SSOW#:		Project Name: Will County CCR Event Desc: Quarterly GW Monitoring		Site: Illinois			
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)			
						Preservation Code:					
MW-12						Water		D D N			
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			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested I II III IV, Other (specify)					Special Instructions/QC Requirements						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <i>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 type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: <i>2.1, 1.9, 1.2</i>							

Eurofins TestAmerica, Chicago

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Chain of Custody Record




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Client Information		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:	Analysis Requested										
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:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	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										
Possible Hazard Identification		<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			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
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>								

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University Park, IL 60484
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Chain of Custody Record

Client Information		Sample: <u>Mark Wilson</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-94077-41748.2	
Client Contact: Richard Snat		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:		Analysis Requested				Job #: <u>500-204228</u>	
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:		 <p>500-204228 COC</p>				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)	
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		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note:	
Site: Illinois		SSOW#:		903.0, 904.0		6010C, 6020A, 7470A			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
								Preservation Code	
13 MW-12		8-26-21		1141		G		Water	
14 MW-13		8-26-21		1516		G		Water	
15 MW-14 MW-11		8-26-21		1432		G		Water	
16 MW-15 MW-10		8-26-21		1301		G		Water	
Duplicate								Water	
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)					Special Instructions/QC Requirements.				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <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>	
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>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
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>					

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-151856.1	
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofins.com		State of Origin: Illinois		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #:		500-204228-2	
Address: 13715 Rider Trail North, Earth City, MO, 63045		Due Date Requested: 9/22/2021		Analysis Requested:		Preservation Codes:	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days):		Field Filtered Sample (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
PO #:		WO #:		Perform MS/MSD (Yes or No)		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)	
Project #: 50011609		SSOW#:		903.0/PreSep_21 Standard Target List		Total Number of Containers	
Site: NRG Midwest Generation Will County		Sample Date		904.0/PreSep_0 Standard Target List		3	
Sample Identification - Client ID (Lab ID)		Sample Time		Ra226Ra228_GFPc		Special Instructions/Note:	
MW-01 (500-204228-1)		14:30 Central		X X		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;	
MW-02 (500-204228-2)		15:20 Central		X X		Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume;	
Duplicate (500-204228-3)		Central		X X		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.		Sample Date		Sample Time		Sample Matrix	
Possible Hazard Identification		8/23/21		14:30 Central		Water	
Unconfirmed		8/23/21		15:20 Central		Water	
Deliverable Requested: I, II, III, IV, Other (specify)		8/23/21		Central		Water	
Primary Deliverable Rank: 2		Date/Time:		Date/Time:		Date/Time:	
Empty Kit Relinquished by:		Date/Time: 8/23/21 12:30		Date/Time: 8/23/21 08:33		Date/Time: 08-33	
Relinquished by: <i>Michelle Smith</i>		Company: BPA/CHI		Received by: MICHA KENNINGS		Company: EPA SW	
Relinquished by: FED EX		Company:		Received by:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Date/Time:		Date/Time:		Date/Time:	
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	

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



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-151899.1									
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofins.com	State of Origin: Illinois	Page: Page 1 of 1									
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	Job #: 500-204228-2										
Address: 13715 Rider Trail North, Earth City State, Zip: MO, 63045		Due Date Requested: 9/14/2021	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)										
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days):	Analysis Requested										
Email:		PO #:	Perform MS/MSD (Yes or No)										
WO #:		Project #: 50011609	90.0/PreSep, 21 Standard Target List										
SSOW#:		SSOW#:	90.0/PreSep, 0 Standard Target List										
Siler: NRG Midwest Generation Will County		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Stormwater, Other)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.0/PreSep, 21 Standard Target List	90.0/PreSep, 0 Standard Target List	Raz26Rz28_GFPc	Total Number of Containers	Special Instructions/Note:
Sample Identification - Client ID (Lab ID)		8/24/21	13:12 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-03 (500-204228-4)		8/24/21	14:34 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-04 (500-204228-5)		8/24/21	16:05 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-05 (500-204228-6)		8/24/21	17:18 Central	Water	Water		X	X	X	X		3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-06 (500-204228-7)													
<p>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 to Eurofins TestAmerica.</p>													
<p>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) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:</p>													
<p>Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____ Relinquished by: <i>Alvin</i> Date: <i>8/24/21</i> Time: <i>16:20</i> Company: <i>ETA</i> Relinquished by: <i>FE</i> Date: <i>8/24/21</i> Time: <i>09:00</i> Company: <i>ETA</i> Relinquished by: _____ Date: _____ Time: _____ Company: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks:</p>													



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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1,5.3,4.8,2.1,1.9,1.2, 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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 </= 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: 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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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: 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

Date Collected: 08/24/21 14:34

Date Received: 08/25/21 10:05

Lab Sample ID: 500-204228-5

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 13:49	ANW	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	530463	10/07/21 08:24	CAH	TAL SL

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/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

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/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

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	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