

DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

Regulated Unit(s): Ash By-pass Basin (IEPA ID No. W1798010008-04)
 Ash Surge Basin (IEPA ID No. W1798010008-01)

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 2nd quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date 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. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Powerton Station, Pekin, IL, Ash Bypass Basin Ash Surge Basin.

Well	Date	Turbidity (NTU)
MW-01	2/23/2021	78.20
	4/9/2021	6.96
	5/11/2021	3.24
	6/2/2021	3.80
	6/28/2021	4.30
	7/19/2021	4.88
	8/24/2021	3.34
	9/30/2021	3.04
	11/30/2021	5.43
	2/9/2022	11.5
6/7/2022	3.63	
MW-09	2/24/2021	16.90
	4/9/2021	5.73
	5/13/2021	0.49
	6/2/2021	2.37
	6/29/2021	4.53
	7/19/2021	6.12
	8/25/2021	16.65
	9/30/2021	3.2
	12/1/2021	0.0
	2/10/2022	0.0
6/8/2022	6.93	
MW-19	2/22/2021	0.56
	4/9/2021	4.25
	5/10/2021	1.80
	6/2/2021	5.77
	6/29/2021	8.79
	7/19/2021	7.30
	8/26/2021	30.91
	9/30/2021	2.92
	12/1/2021	0.0
	2/7/2022	3.54
6/6/2022	2.35	
MW-08	2/23/2021	47.30
	4/9/2021	23.05
	5/11/2021	8.93
	6/3/2021	11.11
	6/29/2021	5.48
	7/19/2021	6.86
	8/25/2021	6.80
	9/30/2021	5.01
	12/1/2021	5.01
	2/10/2022	14.98
6/8/2022	8.65	
MW-11	2/25/2021	35.10
	4/9/2021	41.53
	5/13/2021	14.70
	6/3/2021	14.92
	6/29/2021	40.48
	7/19/2021	25.73
	8/25/2021	55.39
	9/30/2021	4.06
	12/1/2021	2.48
	2/10/2022	9.29
6/8/2022	77.21	
MW-12	2/25/2021	26.50
	4/9/2021	66.11
	5/13/2021	5.17
	6/3/2021	106.47
	6/29/2021	21.40
	7/19/2021	22.70
	8/25/2021	12.62
	9/30/2021	18.66
	12/1/2021	29.27
	2/10/2022	7.08
6/8/2022	57.5	
MW-15	2/24/2021	64.90
	4/9/2021	16.80
	5/12/2021	16.45
	6/3/2021	7.85
	6/29/2021	6.58
	7/20/2021	5.82
	8/23/2021	4.28
	10/1/2021	13.13
	11/29/2021	12.35
	2/9/2022	9.38
6/8/2022	10.32	
MW-17	2/24/2021	42.00
	4/8/2021	17.10
	5/12/2021	10.90
	6/3/2021	38.15
	6/28/2021	29.15
	7/20/2021	16.38
	8/23/2021	26.51
	10/1/2021	21.26
	11/29/2021	8.86
	2/7/2022	11.19
6/8/2022	41.49	
MW-18	2/22/2021	3.40
	4/9/2021	4.62
	5/10/2021	2.28
	6/3/2021	2.38
	6/29/2021	3.96
	7/19/2021	5.19
	8/26/2021	7.96
	9/30/2021	37.94
	12/1/2021	5.88
	2/8/2022	39.3
6/6/2022	2.73	

ANALYTICAL REPORT

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

Laboratory Job ID: 500-217778-1
Client Project/Site: Powerton CCR Q2

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

Attn: Richard Gnat



Authorized for release by:
6/22/2022 10:32:30 AM

Diana Mockler, Project Manager I
(219)252-7570

Diana.Mockler@et.eurofinsus.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: Powerton CCR Q2

Job ID: 500-217778-1

Job ID: 500-217778-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-217778-1

Comments

No additional comments.

Receipt

The samples were received on 6/8/2022 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.7° C, 0.8° C, 0.9° C and 0.9° C.

Metals

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

General Chemistry

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

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Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Method	Method Description	Protocol	Laboratory
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 Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217778-1	MW-01	Water	06/07/22 14:32	06/08/22 16:45
500-217778-2	MW-18	Water	06/06/22 15:32	06/08/22 16:45
500-217778-3	MW-19	Water	06/06/22 16:37	06/08/22 16:45
500-217778-4	Duplicate	Water	06/06/22 00:00	06/08/22 16:45
500-217778-5	MW-17	Water	06/08/22 13:45	06/09/22 16:20
500-217778-6	MW-08	Water	06/08/22 11:48	06/09/22 16:20
500-217778-7	MW-09	Water	06/08/22 08:10	06/09/22 16:20
500-217778-8	MW-11	Water	06/08/22 09:10	06/09/22 16:20
500-217778-9	MW-12	Water	06/08/22 10:42	06/09/22 16:20
500-217778-10	MW-15	Water	06/08/22 14:50	06/09/22 16:20

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- 12
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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-01
Date Collected: 06/07/22 14:32
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-1
Matrix: Water

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		06/10/22 08:52	06/13/22 18:58	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 18:58	1
Barium	0.041		0.0025		mg/L		06/10/22 08:52	06/13/22 18:58	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 18:58	1
Boron	0.23		0.050		mg/L		06/10/22 08:52	06/14/22 18:51	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 18:58	1
Calcium	82		0.20		mg/L		06/10/22 08:52	06/13/22 18:58	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 18:58	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 18:58	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 18:58	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:52	06/13/22 18:58	1
Molybdenum	0.0057		0.0050		mg/L		06/10/22 08:52	06/13/22 18:58	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 18:58	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 18:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	440		10		mg/L			06/09/22 04:14	1
Chloride	51		4.0		mg/L			06/10/22 10:22	2
Fluoride	0.15		0.10		mg/L			06/20/22 12:50	1
Sulfate	27		10		mg/L			06/13/22 10:18	2

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-18
Date Collected: 06/06/22 15:32
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-2
Matrix: Water

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		06/10/22 08:52	06/13/22 19:01	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:01	1
Barium	0.11		0.0025		mg/L		06/10/22 08:52	06/13/22 19:01	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:01	1
Boron	0.65		0.050		mg/L		06/10/22 08:52	06/14/22 18:54	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:01	1
Calcium	120		0.20		mg/L		06/10/22 08:52	06/13/22 19:01	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:01	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:01	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:01	1
Lithium	0.012		0.010		mg/L		06/10/22 08:52	06/13/22 19:01	1
Molybdenum	0.0067		0.0050		mg/L		06/10/22 08:52	06/13/22 19:01	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:01	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			06/09/22 04:17	1
Chloride	150		10		mg/L			06/10/22 10:22	5
Fluoride	0.55		0.10		mg/L			06/20/22 12:53	1
Sulfate	230		50		mg/L			06/13/22 10:18	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-19

Lab Sample ID: 500-217778-3

Date Collected: 06/06/22 16:37

Matrix: Water

Date Received: 06/08/22 16:45

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		06/10/22 08:52	06/13/22 19:05	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:05	1
Barium	0.082		0.0025		mg/L		06/10/22 08:52	06/13/22 19:05	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:05	1
Boron	2.7		0.50		mg/L		06/10/22 08:52	06/14/22 18:58	10
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:05	1
Calcium	92		0.20		mg/L		06/10/22 08:52	06/13/22 19:05	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:05	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:05	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:05	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:52	06/13/22 19:05	1
Molybdenum	0.030		0.0050		mg/L		06/10/22 08:52	06/13/22 19:05	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:05	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	560		10		mg/L			06/09/22 04:19	1
Chloride	33		4.0		mg/L			06/10/22 10:23	2
Fluoride	0.12		0.10		mg/L			06/20/22 12:56	1
Sulfate	130		25		mg/L			06/13/22 10:20	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: Duplicate
Date Collected: 06/06/22 00:00
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-4
Matrix: Water

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		06/10/22 08:52	06/13/22 19:08	1
Arsenic	0.0022		0.0010		mg/L		06/10/22 08:52	06/13/22 19:08	1
Barium	0.12		0.0025		mg/L		06/10/22 08:52	06/13/22 19:08	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:08	1
Boron	0.65		0.050		mg/L		06/10/22 08:52	06/14/22 19:01	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:08	1
Calcium	120		0.20		mg/L		06/10/22 08:52	06/13/22 19:08	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:08	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:08	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:08	1
Lithium	0.012		0.010		mg/L		06/10/22 08:52	06/13/22 19:08	1
Molybdenum	0.032		0.0050		mg/L		06/10/22 08:52	06/13/22 19:08	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:08	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			06/09/22 04:22	1
Chloride	150		10		mg/L			06/10/22 10:24	5
Fluoride	0.56		0.10		mg/L			06/20/22 12:59	1
Sulfate	220		50		mg/L			06/13/22 10:20	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-17

Lab Sample ID: 500-217778-5

Date Collected: 06/08/22 13:45

Matrix: Water

Date Received: 06/09/22 16:20

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		06/10/22 08:52	06/13/22 19:11	1
Arsenic	0.0051		0.0010		mg/L		06/10/22 08:52	06/13/22 19:11	1
Barium	0.037		0.0025		mg/L		06/10/22 08:52	06/13/22 19:11	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:11	1
Boron	1.3		0.25		mg/L		06/10/22 08:52	06/14/22 19:05	5
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:11	1
Calcium	200		0.20		mg/L		06/10/22 08:52	06/13/22 19:11	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:11	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:11	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:11	1
Lithium	0.018		0.010		mg/L		06/10/22 08:52	06/13/22 19:11	1
Molybdenum	0.052		0.0050		mg/L		06/10/22 08:52	06/13/22 19:11	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:11	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			06/10/22 05:01	1
Chloride	190		10		mg/L			06/10/22 10:52	5
Fluoride	0.69		0.10		mg/L			06/20/22 13:02	1
Sulfate	810		100		mg/L			06/13/22 10:20	20

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-08

Lab Sample ID: 500-217778-6

Date Collected: 06/08/22 11:48

Matrix: Water

Date Received: 06/09/22 16:20

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		06/10/22 08:52	06/13/22 19:15	1
Arsenic	0.0024		0.0010		mg/L		06/10/22 08:52	06/13/22 19:15	1
Barium	0.14		0.0025		mg/L		06/10/22 08:52	06/13/22 19:15	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:15	1
Boron	0.73		0.050		mg/L		06/10/22 08:52	06/14/22 19:08	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:15	1
Calcium	130		0.20		mg/L		06/10/22 08:52	06/13/22 19:15	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:15	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:15	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:15	1
Lithium	0.022		0.010		mg/L		06/10/22 08:52	06/13/22 19:15	1
Molybdenum	0.0086		0.0050		mg/L		06/10/22 08:52	06/13/22 19:15	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:15	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	790		10		mg/L			06/10/22 05:03	1
Chloride	180		10		mg/L			06/10/22 10:53	5
Fluoride	0.30		0.10		mg/L			06/20/22 13:05	1
Sulfate	53		10		mg/L			06/13/22 10:21	2

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-09
Date Collected: 06/08/22 08:10
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-7
Matrix: Water

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		06/10/22 08:52	06/13/22 19:18	1
Arsenic	0.0020		0.0010		mg/L		06/10/22 08:52	06/13/22 19:18	1
Barium	0.042		0.0025		mg/L		06/10/22 08:52	06/13/22 19:18	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:18	1
Boron	3.2		0.50		mg/L		06/10/22 08:52	06/14/22 19:12	10
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:18	1
Calcium	70		0.20		mg/L		06/10/22 08:52	06/13/22 19:18	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:18	1
Cobalt	0.0011		0.0010		mg/L		06/10/22 08:52	06/13/22 19:18	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:18	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:52	06/13/22 19:18	1
Molybdenum	0.028		0.0050		mg/L		06/10/22 08:52	06/13/22 19:18	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:18	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	510		10		mg/L			06/10/22 05:06	1
Chloride	31		2.0		mg/L			06/10/22 10:52	1
Fluoride	0.21		0.10		mg/L			06/20/22 13:19	1
Sulfate	150		25		mg/L			06/13/22 10:21	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-11
Date Collected: 06/08/22 09:10
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-8
Matrix: Water

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		06/10/22 08:52	06/13/22 19:22	1
Arsenic	0.028		0.0010		mg/L		06/10/22 08:52	06/13/22 19:22	1
Barium	0.20		0.0025		mg/L		06/10/22 08:52	06/13/22 19:22	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:22	1
Boron	1.7		0.25		mg/L		06/10/22 08:52	06/14/22 19:22	5
Cadmium	0.00058		0.00050		mg/L		06/10/22 08:52	06/13/22 19:22	1
Calcium	110		0.20		mg/L		06/10/22 08:52	06/13/22 19:22	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:22	1
Cobalt	0.0018		0.0010		mg/L		06/10/22 08:52	06/13/22 19:22	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:22	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:52	06/13/22 19:22	1
Molybdenum	0.021		0.0050		mg/L		06/10/22 08:52	06/13/22 19:22	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:22	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	710		10		mg/L			06/10/22 05:08	1
Chloride	75		10		mg/L			06/10/22 10:53	5
Fluoride	0.64		0.10		mg/L			06/20/22 13:22	1
Sulfate	150		50		mg/L			06/13/22 10:35	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-12
Date Collected: 06/08/22 10:42
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-9
Matrix: Water

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		06/10/22 08:52	06/13/22 19:25	1
Arsenic	0.0079		0.0010		mg/L		06/10/22 08:52	06/13/22 19:25	1
Barium	0.064		0.0025		mg/L		06/10/22 08:52	06/13/22 19:25	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:25	1
Boron	0.49		0.050		mg/L		06/10/22 08:52	06/14/22 19:25	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:25	1
Calcium	98		0.20		mg/L		06/10/22 08:52	06/13/22 19:25	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:25	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:25	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:25	1
Lithium	0.012		0.010		mg/L		06/10/22 08:52	06/13/22 19:25	1
Molybdenum	0.020		0.0050		mg/L		06/10/22 08:52	06/13/22 19:25	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 19:25	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	950		10		mg/L			06/10/22 05:11	1
Chloride	140		10		mg/L			06/10/22 10:53	5
Fluoride	0.41		0.10		mg/L			06/20/22 13:25	1
Sulfate	320		50		mg/L			06/13/22 10:36	10

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-15
Date Collected: 06/08/22 14:50
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-10
Matrix: Water

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		06/10/22 08:52	06/13/22 19:29	1
Arsenic	0.0032		0.0010		mg/L		06/10/22 08:52	06/13/22 19:29	1
Barium	0.088		0.0025		mg/L		06/10/22 08:52	06/13/22 19:29	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:29	1
Boron	2.0		0.25		mg/L		06/10/22 08:52	06/14/22 19:29	5
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:29	1
Calcium	330		1.0		mg/L		06/10/22 08:52	06/14/22 19:29	5
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 19:29	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 19:29	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 19:29	1
Lithium	0.027		0.010		mg/L		06/10/22 08:52	06/13/22 19:29	1
Molybdenum	0.019		0.0050		mg/L		06/10/22 08:52	06/13/22 19:29	1
Selenium	0.10		0.0025		mg/L		06/10/22 08:52	06/13/22 19:29	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 19:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2700		10		mg/L			06/10/22 05:14	1
Chloride	240		10		mg/L			06/10/22 10:54	5
Fluoride	0.43		0.10		mg/L			06/20/22 13:28	1
Sulfate	980		100		mg/L			06/13/22 10:51	20

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Qualifiers

General Chemistry

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

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Metals

Prep Batch: 660685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total Recoverable	Water	3005A	
500-217778-2	MW-18	Total Recoverable	Water	3005A	
500-217778-3	MW-19	Total Recoverable	Water	3005A	
500-217778-4	Duplicate	Total Recoverable	Water	3005A	
500-217778-5	MW-17	Total Recoverable	Water	3005A	
500-217778-6	MW-08	Total Recoverable	Water	3005A	
500-217778-7	MW-09	Total Recoverable	Water	3005A	
500-217778-8	MW-11	Total Recoverable	Water	3005A	
500-217778-9	MW-12	Total Recoverable	Water	3005A	
500-217778-10	MW-15	Total Recoverable	Water	3005A	
MB 500-660685/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-660685/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 661121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total Recoverable	Water	6020A	660685
500-217778-2	MW-18	Total Recoverable	Water	6020A	660685
500-217778-3	MW-19	Total Recoverable	Water	6020A	660685
500-217778-4	Duplicate	Total Recoverable	Water	6020A	660685
500-217778-5	MW-17	Total Recoverable	Water	6020A	660685
500-217778-6	MW-08	Total Recoverable	Water	6020A	660685
500-217778-7	MW-09	Total Recoverable	Water	6020A	660685
500-217778-8	MW-11	Total Recoverable	Water	6020A	660685
500-217778-9	MW-12	Total Recoverable	Water	6020A	660685
500-217778-10	MW-15	Total Recoverable	Water	6020A	660685
MB 500-660685/1-A	Method Blank	Total Recoverable	Water	6020A	660685
LCS 500-660685/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660685

Analysis Batch: 661307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total Recoverable	Water	6020A	660685
500-217778-2	MW-18	Total Recoverable	Water	6020A	660685
500-217778-3	MW-19	Total Recoverable	Water	6020A	660685
500-217778-4	Duplicate	Total Recoverable	Water	6020A	660685
500-217778-5	MW-17	Total Recoverable	Water	6020A	660685
500-217778-6	MW-08	Total Recoverable	Water	6020A	660685
500-217778-7	MW-09	Total Recoverable	Water	6020A	660685
500-217778-8	MW-11	Total Recoverable	Water	6020A	660685
500-217778-9	MW-12	Total Recoverable	Water	6020A	660685
500-217778-10	MW-15	Total Recoverable	Water	6020A	660685
MB 500-660685/1-A	Method Blank	Total Recoverable	Water	6020A	660685
LCS 500-660685/2-A	Lab Control Sample	Total Recoverable	Water	6020A	660685

Prep Batch: 661477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	7470A	
500-217778-2	MW-18	Total/NA	Water	7470A	
500-217778-3	MW-19	Total/NA	Water	7470A	
500-217778-4	Duplicate	Total/NA	Water	7470A	
500-217778-5	MW-17	Total/NA	Water	7470A	
500-217778-6	MW-08	Total/NA	Water	7470A	

Eurofins Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Metals (Continued)

Prep Batch: 661477 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-7	MW-09	Total/NA	Water	7470A	
500-217778-8	MW-11	Total/NA	Water	7470A	
500-217778-9	MW-12	Total/NA	Water	7470A	
500-217778-10	MW-15	Total/NA	Water	7470A	
MB 500-661477/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-661477/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-217778-6 MS	MW-08	Total/NA	Water	7470A	
500-217778-6 MSD	MW-08	Total/NA	Water	7470A	
500-217778-6 DU	MW-08	Total/NA	Water	7470A	

Analysis Batch: 661701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	7470A	661477
500-217778-2	MW-18	Total/NA	Water	7470A	661477
500-217778-3	MW-19	Total/NA	Water	7470A	661477
500-217778-4	Duplicate	Total/NA	Water	7470A	661477
500-217778-5	MW-17	Total/NA	Water	7470A	661477
500-217778-6	MW-08	Total/NA	Water	7470A	661477
500-217778-7	MW-09	Total/NA	Water	7470A	661477
500-217778-8	MW-11	Total/NA	Water	7470A	661477
500-217778-9	MW-12	Total/NA	Water	7470A	661477
500-217778-10	MW-15	Total/NA	Water	7470A	661477
MB 500-661477/12-A	Method Blank	Total/NA	Water	7470A	661477
LCS 500-661477/13-A	Lab Control Sample	Total/NA	Water	7470A	661477
500-217778-6 MS	MW-08	Total/NA	Water	7470A	661477
500-217778-6 MSD	MW-08	Total/NA	Water	7470A	661477
500-217778-6 DU	MW-08	Total/NA	Water	7470A	661477

General Chemistry

Analysis Batch: 660435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	SM 2540C	
500-217778-2	MW-18	Total/NA	Water	SM 2540C	
500-217778-3	MW-19	Total/NA	Water	SM 2540C	
500-217778-4	Duplicate	Total/NA	Water	SM 2540C	
MB 500-660435/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660435/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 660651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-5	MW-17	Total/NA	Water	SM 2540C	
500-217778-6	MW-08	Total/NA	Water	SM 2540C	
500-217778-7	MW-09	Total/NA	Water	SM 2540C	
500-217778-8	MW-11	Total/NA	Water	SM 2540C	
500-217778-9	MW-12	Total/NA	Water	SM 2540C	
500-217778-10	MW-15	Total/NA	Water	SM 2540C	
MB 500-660651/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-660651/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

General Chemistry

Analysis Batch: 660740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-217778-2	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-217778-3	MW-19	Total/NA	Water	SM 4500 Cl- E	
500-217778-4	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-217778-5	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-217778-6	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-217778-7	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-217778-8	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-217778-9	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-217778-10	MW-15	Total/NA	Water	SM 4500 Cl- E	
MB 500-660740/105	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-660740/64	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-660740/106	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-660740/65	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-217778-7 MS	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-217778-7 MSD	MW-09	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 660955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-217778-2	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-217778-3	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-217778-4	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-217778-5	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-217778-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-217778-7	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-217778-8	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-217778-9	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-217778-10	MW-15	Total/NA	Water	SM 4500 SO4 E	
MB 500-660955/55	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-660955/94	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-660955/56	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-660955/95	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-217778-8 MS	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-217778-8 MSD	MW-11	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 662032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	SM 4500 F C	
500-217778-2	MW-18	Total/NA	Water	SM 4500 F C	
500-217778-3	MW-19	Total/NA	Water	SM 4500 F C	
500-217778-4	Duplicate	Total/NA	Water	SM 4500 F C	
500-217778-5	MW-17	Total/NA	Water	SM 4500 F C	
500-217778-6	MW-08	Total/NA	Water	SM 4500 F C	
500-217778-7	MW-09	Total/NA	Water	SM 4500 F C	
500-217778-8	MW-11	Total/NA	Water	SM 4500 F C	
500-217778-9	MW-12	Total/NA	Water	SM 4500 F C	
500-217778-10	MW-15	Total/NA	Water	SM 4500 F C	
MB 500-662032/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-662032/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-660685/1-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660685

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		06/10/22 08:52	06/13/22 17:56	1
Arsenic	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 17:56	1
Barium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 17:56	1
Beryllium	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 17:56	1
Cadmium	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 17:56	1
Calcium	<0.20		0.20		mg/L		06/10/22 08:52	06/13/22 17:56	1
Chromium	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 17:56	1
Cobalt	<0.0010		0.0010		mg/L		06/10/22 08:52	06/13/22 17:56	1
Lead	<0.00050		0.00050		mg/L		06/10/22 08:52	06/13/22 17:56	1
Lithium	<0.010		0.010		mg/L		06/10/22 08:52	06/13/22 17:56	1
Molybdenum	<0.0050		0.0050		mg/L		06/10/22 08:52	06/13/22 17:56	1
Selenium	<0.0025		0.0025		mg/L		06/10/22 08:52	06/13/22 17:56	1
Thallium	<0.0020		0.0020		mg/L		06/10/22 08:52	06/13/22 17:56	1

Lab Sample ID: MB 500-660685/1-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660685

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		06/10/22 08:52	06/14/22 18:44	1

Lab Sample ID: LCS 500-660685/2-A
Matrix: Water
Analysis Batch: 661121

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0939		mg/L		94	80 - 120
Barium	2.00	1.98		mg/L		99	80 - 120
Beryllium	0.0500	0.0547		mg/L		109	80 - 120
Cadmium	0.0500	0.0477		mg/L		95	80 - 120
Calcium	10.0	10.3		mg/L		103	80 - 120
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.516		mg/L		103	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.500	0.547		mg/L		109	80 - 120
Molybdenum	1.00	0.932		mg/L		93	80 - 120
Selenium	0.100	0.0948		mg/L		95	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: LCS 500-660685/2-A
Matrix: Water
Analysis Batch: 661307

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-661477/12-A
Matrix: Water
Analysis Batch: 661701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/22 10:05	06/17/22 08:16	1

Lab Sample ID: LCS 500-661477/13-A
Matrix: Water
Analysis Batch: 661701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661477

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00221		mg/L		111	80 - 120

Lab Sample ID: 500-217778-6 MS
Matrix: Water
Analysis Batch: 661701

Client Sample ID: MW-08
Prep Type: Total/NA
Prep Batch: 661477

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000924		mg/L		92	75 - 125

Lab Sample ID: 500-217778-6 MSD
Matrix: Water
Analysis Batch: 661701

Client Sample ID: MW-08
Prep Type: Total/NA
Prep Batch: 661477

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000897		mg/L		90	75 - 125	3	20

Lab Sample ID: 500-217778-6 DU
Matrix: Water
Analysis Batch: 661701

Client Sample ID: MW-08
Prep Type: Total/NA
Prep Batch: 661477

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020			<0.00020		mg/L				NC	20

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

Lab Sample ID: MB 500-660435/1
Matrix: Water
Analysis Batch: 660435

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/09/22 03:23	1

Lab Sample ID: LCS 500-660435/2
Matrix: Water
Analysis Batch: 660435

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

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

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

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

Lab Sample ID: MB 500-660651/1
Matrix: Water
Analysis Batch: 660651

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/10/22 04:25	1

Lab Sample ID: LCS 500-660651/2
Matrix: Water
Analysis Batch: 660651

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	268		mg/L		107	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-660740/105
Matrix: Water
Analysis Batch: 660740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/10/22 10:52	1

Lab Sample ID: MB 500-660740/64
Matrix: Water
Analysis Batch: 660740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/10/22 10:16	1

Lab Sample ID: LCS 500-660740/106
Matrix: Water
Analysis Batch: 660740

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

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

Lab Sample ID: LCS 500-660740/65
Matrix: Water
Analysis Batch: 660740

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

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

Lab Sample ID: 500-217778-7 MS
Matrix: Water
Analysis Batch: 660740

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	31		20.0	54.3		mg/L		114	75 - 125

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

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

Lab Sample ID: 500-217778-7 MSD
Matrix: Water
Analysis Batch: 660740

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31		20.0	54.3		mg/L		114	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-662032/3
Matrix: Water
Analysis Batch: 662032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			06/20/22 11:55	1

Lab Sample ID: LCS 500-662032/4
Matrix: Water
Analysis Batch: 662032

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	10.7		mg/L		107	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-660955/55
Matrix: Water
Analysis Batch: 660955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/13/22 09:56	1

Lab Sample ID: MB 500-660955/94
Matrix: Water
Analysis Batch: 660955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/13/22 10:34	1

Lab Sample ID: LCS 500-660955/56
Matrix: Water
Analysis Batch: 660955

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	22.0		mg/L		110	88 - 123

Lab Sample ID: LCS 500-660955/95
Matrix: Water
Analysis Batch: 660955

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.9		mg/L		110	88 - 123

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

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

Lab Sample ID: 500-217778-8 MS
Matrix: Water
Analysis Batch: 660955

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	150		20.0	169	4	mg/L		86	75 - 125

Lab Sample ID: 500-217778-8 MSD
Matrix: Water
Analysis Batch: 660955

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	150		20.0	171	4	mg/L		94	75 - 125	1	20


Eurofins Chicago

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

Chain of Custody Record

MKE 232 Eurofins

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Client Information				Sampler <i>Mitchel Dolan</i>	Lab PM Mockler Diana J	Carrier Tracking No(s)	COC No: 500-101315-43259 1					
Client Contact: Mitchel Dolan				Phone <i>262-622-1143</i>	E-Mail Diana.Mockler@et.eurofinsus.com	State of Origin <i>IL</i>	Page Page 1 of 1					
Company: KPRG and Associates Inc				PWSID:	Analysis Requested			Job #: <i>500-217778</i>				
Address: 14665 West Lisbon Road Suite 1A				Due Date Requested				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 Amchlor T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y T.zma Z other (specify) Other:				
City: Brookfield				TAT Requested (days)								
State Zip: WI 53005				Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone: 262-781-0475(Tel)				PC #: 4502081030								
Email: mitcheld@kprginc.com				WO #:								
Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling				Project #: 50011612				 500-217778 COC				
S e: Illinois				SSOV#:								
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)				Total Number of Containers								
Preservation Code:				D	D	N	N					
<i>1</i>	MW-01	<i>6/7/22</i>	<i>1432</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>2</i>	MW-18 <i>MW-18</i>	<i>6/6/22</i>	<i>1532</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>3</i>	MW-19 <i>MW-19</i>	<i>6/6/22</i>	<i>1637</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>4</i>	MW-19 <i>Duplicate</i>	<i>6/6/22</i>	<i>-</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>		<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
	MW-2				Water							
	MW-5				Water							
	MW-7				Water							
	MW-8				Water							
	MW-9				Water							
					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>MPD</i>				Date/Time <i>6/17/22 / 1800</i>	Company <i>KPRG</i>	Received by <i>FEDEX</i>						
Relinquished by				Date/Time	Company	Received by <i>Stephanie Hammond</i>						
Relinquished by				Date/Time	Company	Received by <i>EEIA</i>						
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No				Cooler Temperature(s) °C and Other Remarks <i>23+09, 22+08</i>				

Eurofins Chicago

241st Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

MKE 232 eurofins

Eurofins logo

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ORIGIN ID:PIAA (262) 622-1143
MITCHEL DOLAN
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 07JUN22
ACTWGT: 46.40 LB
CAD: 6994780/SSFE2321
DIMS: 24x17x12 IN
BILL THIRD PARTY

Part # 156297-436-89082/80811/22

TO
TEST AMERICA
2417 BOND ST
UNIVERSITY PARK IL 60484

REF: DEPT:
(800) 000-0000
INVT: PG:




1 of 9
TRK# 2740 5878 9062
0201
MASTER ##
UF JOTA
WED - 08 JUN 4:30P
STANDARD OVERNIGHT
AHS
60484
IL-US ORD



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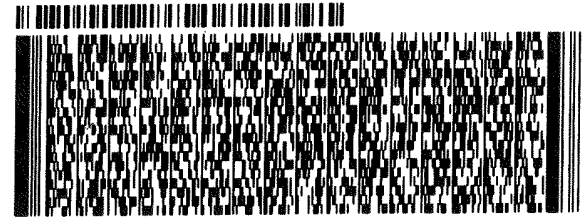
UNIVERSITY PARK IL 60484

(800) 000-0000
INVT: PG:

REF:

DEPT:

500-217778 Wayb

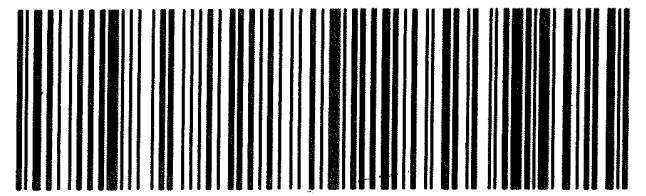


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Mstr# 2740 5878 9062

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WED - 08 JUN 4:30P
STANDARD OVERNIGHT
AHS
60484
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ID:PIAA (262) 622-1143
 DOLAN
 500-217778 Waybi ASSOCIATES
 1A DR STE 106

SHIP DATE: 08 JUN 22
 ACTWGT: 54.50 LB
 CAD: 6994780/SSFE23
 DIMS: 24x13x14 IN

BILL THIRD PARTY

WESTMONT, IL 60559
 UNITED STATES US

TO

TESTAMERICA LABORATORIES, INC.
 2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 634-5200

REF: DEPT:



FedEx
 Express



REL#
 3785346

2 of 7

MPS# 2741 1016 5870
 0263

Mstr# 2741 1016 5869

UF JOTA

0201

THU - 09 JUN 4:30P
 STANDARD OVERNIGHT

60484
 IL-US ORD



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

SHIP DATE: 08 JUN 22
 ACTWGT: 58.05 LB
 CAD: 6994780/SSFE2321
 DIMS: 24x13x14 IN

BILL THIRD PARTY

WESTMONT, IL 60559
 UNITED STATES US

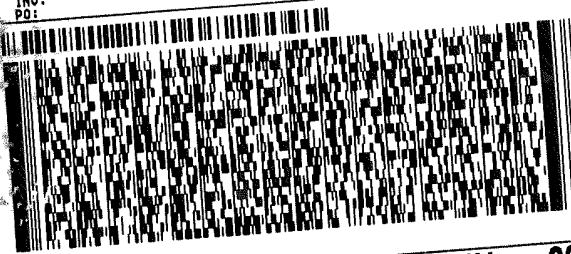
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UNIVERSITY PARK IL 60484

(708) 634-5200

REF: DEPT:



FedEx
 Express



REL#
 3785346

4 of 7

MPS# 2741 1016 5891
 0263

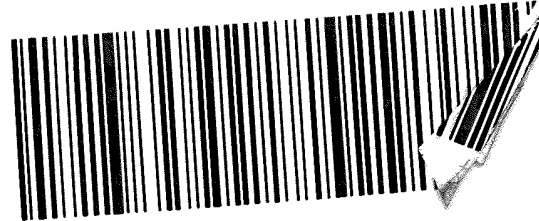
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UF JOTA

0201

THU - 09 JUN 4:30P
 STANDARD OVERNIGHT

IL-US



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-217778-1

Login Number: 217778

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9,0.8,0.9,0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-01
Date Collected: 06/07/22 14:32
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 18:58	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 18:51	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:25	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660435	06/09/22 04:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		2	660740	06/10/22 10:22	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:50	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	660955	06/13/22 10:18	LP	TAL CHI

Client Sample ID: MW-18
Date Collected: 06/06/22 15:32
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:01	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 18:54	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:27	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660435	06/09/22 04:17	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:22	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:53	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 10:18	LP	TAL CHI

Client Sample ID: MW-19
Date Collected: 06/06/22 16:37
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	661307	06/14/22 18:58	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:29	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660435	06/09/22 04:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		2	660740	06/10/22 10:23	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:56	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	660955	06/13/22 10:20	LP	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: Duplicate

Lab Sample ID: 500-217778-4

Date Collected: 06/06/22 00:00

Matrix: Water

Date Received: 06/08/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:08	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 19:01	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:31	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660435	06/09/22 04:22	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:24	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 12:59	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 10:20	LP	TAL CHI

Client Sample ID: MW-17

Lab Sample ID: 500-217778-5

Date Collected: 06/08/22 13:45

Matrix: Water

Date Received: 06/09/22 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:11	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	661307	06/14/22 19:05	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:33	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:52	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:02	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 10:20	LP	TAL CHI

Client Sample ID: MW-08

Lab Sample ID: 500-217778-6

Date Collected: 06/08/22 11:48

Matrix: Water

Date Received: 06/09/22 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:15	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 19:08	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:03	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:53	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:05	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	660955	06/13/22 10:21	LP	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-09
Date Collected: 06/08/22 08:10
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:18	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	661307	06/14/22 19:12	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:48	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:06	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	660740	06/10/22 10:52	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:19	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	660955	06/13/22 10:21	LP	TAL CHI

Client Sample ID: MW-11
Date Collected: 06/08/22 09:10
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:22	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	661307	06/14/22 19:22	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:50	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:08	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:53	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:22	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 10:35	LP	TAL CHI

Client Sample ID: MW-12
Date Collected: 06/08/22 10:42
Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:25	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661307	06/14/22 19:25	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:52	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:11	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	660740	06/10/22 10:53	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:25	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	660955	06/13/22 10:36	LP	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Client Sample ID: MW-15

Lab Sample ID: 500-217778-10

Date Collected: 06/08/22 14:50

Matrix: Water

Date Received: 06/09/22 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	661121	06/13/22 19:29	FXG	TAL CHI
Total Recoverable	Prep	3005A			660685	06/10/22 08:52	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	661307	06/14/22 19:29	FXG	TAL CHI
Total/NA	Prep	7470A			661477	06/16/22 10:05	MJG	TAL CHI
Total/NA	Analysis	7470A		1	661701	06/17/22 08:54	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	660651	06/10/22 05:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	660740	06/10/22 10:54	LP	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	662032	06/20/22 13:28	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	660955	06/13/22 10:51	LP	TAL CHI

Laboratory References:

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



Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2

Job ID: 500-217778-1

Laboratory: Eurofins Chicago

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

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

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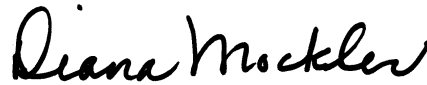
ANALYTICAL REPORT

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

Laboratory Job ID: 500-217778-2
Client Project/Site: Powerton CCR Q2 (RAD)

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

Attn: Richard Gnat



Authorized for release by:
7/14/2022 11:40:24 AM

Diana Mockler, Project Manager I
(219)252-7570
Diana.Mockler@et.eurofinsus.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: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Job ID: 500-217778-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-217778-2

Comments

No additional comments.

Receipt

The samples were received on 6/8/2022 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.7° C, 0.8° C, 0.9° C and 0.9° C.

RAD

Methods 903.0, 9315: Radium-226 batch 570472

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 (500-217778-1), MW-18 (500-217778-2), MW-19 (500-217778-3), Duplicate (500-217778-4), MW-17 (500-217778-5), MW-08 (500-217778-6), MW-09 (500-217778-7), MW-11 (500-217778-8), MW-12 (500-217778-9), MW-15 (500-217778-10), (LCS 160-570472/2-A), (MB 160-570472/1-A) and (500-217778-G-1-D DU)

Methods 904.0, 9320: Radium-228 batch 570478

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 (500-217778-1), MW-18 (500-217778-2), MW-19 (500-217778-3), Duplicate (500-217778-4), MW-17 (500-217778-5), MW-08 (500-217778-6), MW-09 (500-217778-7), MW-11 (500-217778-8), MW-12 (500-217778-9), MW-15 (500-217778-10), (LCS 160-570478/2-A), (MB 160-570478/1-A) and (500-217778-G-1-C DU)

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: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

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

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217778-1	MW-01	Water	06/07/22 14:32	06/08/22 16:45
500-217778-2	MW-18	Water	06/06/22 15:32	06/08/22 16:45
500-217778-3	MW-19	Water	06/06/22 16:37	06/08/22 16:45
500-217778-4	Duplicate	Water	06/06/22 00:00	06/08/22 16:45
500-217778-5	MW-17	Water	06/08/22 13:45	06/09/22 16:20
500-217778-6	MW-08	Water	06/08/22 11:48	06/09/22 16:20
500-217778-7	MW-09	Water	06/08/22 08:10	06/09/22 16:20
500-217778-8	MW-11	Water	06/08/22 09:10	06/09/22 16:20
500-217778-9	MW-12	Water	06/08/22 10:42	06/09/22 16:20
500-217778-10	MW-15	Water	06/08/22 14:50	06/09/22 16:20

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Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-01

Lab Sample ID: 500-217778-1

Date Collected: 06/07/22 14:32

Matrix: Water

Date Received: 06/08/22 16:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0332	U	0.0456	0.0457	1.00	0.0770	pCi/L	06/17/22 13:50	07/11/22 13:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	110		40 - 110					06/17/22 13:50	07/11/22 13:42	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.353	U	0.252	0.254	1.00	0.377	pCi/L	06/17/22 14:18	06/24/22 13:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	110		40 - 110					06/17/22 14:18	06/24/22 13:04	1
Y Carrier	89.3		40 - 110					06/17/22 14:18	06/24/22 13:04	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	0.386		0.256	0.258	5.00	0.377	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-18

Lab Sample ID: 500-217778-2

Date Collected: 06/06/22 15:32

Matrix: Water

Date Received: 06/08/22 16:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133	U	0.100	0.101	1.00	0.148	pCi/L	06/17/22 13:50	07/11/22 13:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		40 - 110					06/17/22 13:50	07/11/22 13:42	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.699		0.459	0.463	1.00	0.686	pCi/L	06/17/22 14:18	06/24/22 13:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.5		40 - 110					06/17/22 14:18	06/24/22 13:04	1
Y Carrier	86.4		40 - 110					06/17/22 14:18	06/24/22 13:04	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	0.832		0.470	0.474	5.00	0.686	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-19
Date Collected: 06/06/22 16:37
Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-3
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	0.0700	U	0.0590	0.0593	1.00	0.0874	pCi/L	06/17/22 13:50	07/11/22 13:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		40 - 110					06/17/22 13:50	07/11/22 13:42	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.263	U	0.262	0.263	1.00	0.419	pCi/L	06/17/22 14:18	06/24/22 13:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		40 - 110					06/17/22 14:18	06/24/22 13:04	1
Y Carrier	88.6		40 - 110					06/17/22 14:18	06/24/22 13:04	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	0.333	U	0.269	0.270	5.00	0.419	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: Duplicate

Lab Sample ID: 500-217778-4

Date Collected: 06/06/22 00:00

Matrix: Water

Date Received: 06/08/22 16:45

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.148		0.0910	0.0920	1.00	0.125	pCi/L	06/17/22 13:50	07/11/22 13:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					06/17/22 13:50	07/11/22 13:42	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.136	U	0.285	0.285	1.00	0.499	pCi/L	06/17/22 14:18	06/24/22 13:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		40 - 110					06/17/22 14:18	06/24/22 13:04	1
Y Carrier	87.9		40 - 110					06/17/22 14:18	06/24/22 13:04	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	0.284	U	0.299	0.299	5.00	0.499	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-17

Lab Sample ID: 500-217778-5

Date Collected: 06/08/22 13:45

Matrix: Water

Date Received: 06/09/22 16:20

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0141	U	0.0669	0.0669	1.00	0.129	pCi/L	06/17/22 13:50	07/11/22 13:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.5		40 - 110					06/17/22 13:50	07/11/22 13:42	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.389	0.392	1.00	0.601	pCi/L	06/17/22 14:18	06/24/22 13:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.5		40 - 110					06/17/22 14:18	06/24/22 13:05	1
Y Carrier	89.7		40 - 110					06/17/22 14:18	06/24/22 13:05	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	0.505	U	0.395	0.398	5.00	0.601	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-08

Lab Sample ID: 500-217778-6

Date Collected: 06/08/22 11:48

Matrix: Water

Date Received: 06/09/22 16:20

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.140		0.0734	0.0745	1.00	0.0886	pCi/L	06/17/22 13:50	07/11/22 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		40 - 110					06/17/22 13:50	07/11/22 13:43	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	0.223	U	0.310	0.310	1.00	0.520	pCi/L	06/17/22 14:18	06/24/22 13:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		40 - 110					06/17/22 14:18	06/24/22 13:05	1
Y Carrier	87.1		40 - 110					06/17/22 14:18	06/24/22 13:05	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	0.363	U	0.319	0.319	5.00	0.520	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-09

Lab Sample ID: 500-217778-7

Date Collected: 06/08/22 08:10

Matrix: Water

Date Received: 06/09/22 16:20

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0582	U	0.0666	0.0668	1.00	0.109	pCi/L	06/17/22 13:50	07/11/22 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					06/17/22 13:50	07/11/22 13:43	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	0.143	U	0.315	0.315	1.00	0.548	pCi/L	06/17/22 14:18	06/24/22 13:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					06/17/22 14:18	06/24/22 13:06	1
Y Carrier	87.1		40 - 110					06/17/22 14:18	06/24/22 13:06	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	0.202	U	0.322	0.322	5.00	0.548	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-11

Lab Sample ID: 500-217778-8

Date Collected: 06/08/22 09:10

Matrix: Water

Date Received: 06/09/22 16:20

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		0.103	0.108	1.00	0.0910	pCi/L	06/17/22 13:50	07/11/22 17:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					06/17/22 13:50	07/11/22 17:53	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	0.430	U	0.313	0.315	1.00	0.477	pCi/L	06/17/22 14:18	06/24/22 13:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					06/17/22 14:18	06/24/22 13:06	1
Y Carrier	89.0		40 - 110					06/17/22 14:18	06/24/22 13:06	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	0.786		0.330	0.333	5.00	0.477	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-12

Lab Sample ID: 500-217778-9

Date Collected: 06/08/22 10:42

Matrix: Water

Date Received: 06/09/22 16:20

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136		0.0727	0.0737	1.00	0.0917	pCi/L	06/17/22 13:50	07/11/22 17:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		40 - 110					06/17/22 13:50	07/11/22 17:54	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	0.359	U	0.295	0.297	1.00	0.459	pCi/L	06/17/22 14:18	06/24/22 13:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		40 - 110					06/17/22 14:18	06/24/22 13:06	1
Y Carrier	88.2		40 - 110					06/17/22 14:18	06/24/22 13:06	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	0.495		0.304	0.306	5.00	0.459	pCi/L		07/14/22 11:02	1

Client Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-15

Lab Sample ID: 500-217778-10

Date Collected: 06/08/22 14:50

Matrix: Water

Date Received: 06/09/22 16:20

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0868		0.0585	0.0590	1.00	0.0782	pCi/L	06/17/22 13:50	07/11/22 17:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					06/17/22 13:50	07/11/22 17:54	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	0.398	U	0.308	0.310	1.00	0.477	pCi/L	06/17/22 14:18	06/24/22 13:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					06/17/22 14:18	06/24/22 13:06	1
Y Carrier	87.1		40 - 110					06/17/22 14:18	06/24/22 13:06	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	0.485		0.314	0.316	5.00	0.477	pCi/L		07/14/22 11:02	1

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Qualifiers

Rad

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

Glossary

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Rad

Prep Batch: 570472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	PrecSep-21	
500-217778-2	MW-18	Total/NA	Water	PrecSep-21	
500-217778-3	MW-19	Total/NA	Water	PrecSep-21	
500-217778-4	Duplicate	Total/NA	Water	PrecSep-21	
500-217778-5	MW-17	Total/NA	Water	PrecSep-21	
500-217778-6	MW-08	Total/NA	Water	PrecSep-21	
500-217778-7	MW-09	Total/NA	Water	PrecSep-21	
500-217778-8	MW-11	Total/NA	Water	PrecSep-21	
500-217778-9	MW-12	Total/NA	Water	PrecSep-21	
500-217778-10	MW-15	Total/NA	Water	PrecSep-21	
MB 160-570472/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-570472/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-217778-1 DU	MW-01	Total/NA	Water	PrecSep-21	

Prep Batch: 570478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217778-1	MW-01	Total/NA	Water	PrecSep_0	
500-217778-2	MW-18	Total/NA	Water	PrecSep_0	
500-217778-3	MW-19	Total/NA	Water	PrecSep_0	
500-217778-4	Duplicate	Total/NA	Water	PrecSep_0	
500-217778-5	MW-17	Total/NA	Water	PrecSep_0	
500-217778-6	MW-08	Total/NA	Water	PrecSep_0	
500-217778-7	MW-09	Total/NA	Water	PrecSep_0	
500-217778-8	MW-11	Total/NA	Water	PrecSep_0	
500-217778-9	MW-12	Total/NA	Water	PrecSep_0	
500-217778-10	MW-15	Total/NA	Water	PrecSep_0	
MB 160-570478/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-570478/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-217778-1 DU	MW-01	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-570472/1-A
Matrix: Water
Analysis Batch: 573477

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570472

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.002972	U	0.0354	0.0354	1.00	0.0776	pCi/L	06/17/22 13:50	07/11/22 13:36	1
Carrier	MB MB		Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	107		40 - 110			06/17/22 13:50	07/11/22 13:36	1		

Lab Sample ID: LCS 160-570472/2-A
Matrix: Water
Analysis Batch: 573477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570472

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.895		1.02	1.00	0.0995	pCi/L	87	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Ba Carrier	103		40 - 110						

Lab Sample ID: 500-217778-1 DU
Matrix: Water
Analysis Batch: 573478

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 570472

Analyte	Sample Sample		DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.0332	U	0.04418	U	0.0502	1.00	0.0808	pCi/L	0.11	1
Carrier	DU %Yield	DU Qualifier	Limits			Prepared	Analyzed	Dil Fac		
Ba Carrier	110		40 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-570478/1-A
Matrix: Water
Analysis Batch: 571617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570478

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.08412	U	0.256	0.256	1.00	0.456	pCi/L	06/17/22 14:18	06/24/22 13:00	1
Carrier	MB MB		Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	107		40 - 110			06/17/22 14:18	06/24/22 13:00	1		
Y Carrier	84.5		40 - 110			06/17/22 14:18	06/24/22 13:00	1		

QC Sample Results

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

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

Lab Sample ID: LCS 160-570478/2-A
Matrix: Water
Analysis Batch: 571617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570478

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	8.51	8.482		1.14	1.00	0.435	pCi/L	100	75	125
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	103		40 - 110							
Y Carrier	85.2		40 - 110							

Lab Sample ID: 500-217778-1 DU
Matrix: Water
Analysis Batch: 571472

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 570478

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.353	U	0.1887	U	0.280	1.00	0.472	pCi/L	0.31	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	110		40 - 110							
Y Carrier	85.2		40 - 110							

Eurofins Chicago

241st Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record

MKE 232 eurofins

Eurofins logo

Client Information		Sampler <i>Mitchel Dolan</i>		Lab PM Mockler Diana J		Carrier Tracking No(s)		COC No. 500-101315-43259 1					
Client Contact Mitchel Dolan		Phone <i>262-622-1143</i>		E-Mail Diana.Mockler@et.eurofinsus.com		State of Origin <i>IL</i>		Page Page 1 of 1					
Company KPRG and Associates Inc.		PWS/D		Analysis Requested						Job # <i>500-217778</i>			
Address 14665 West Lisbon Road Suite 1A		Due Date Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 903.0, 904.0 6020A 7470A 2540C 4500_F_C, SM4500_CL_E, SM4500_SO4_E SM4500_SO4_E Sulfate		Total Number of Containers		Preservation Codes					
City Brookfield		TAT Requested (days)						A HCL M Hexane B NaOH N None C Zn Acetate O AsnaO2 D Nitric Acid P Na2O4S E NaHSC4 R Na2SO3 F MeOH S H2SO4 G Amchlor T TSP Dodecahydrate H Ascorbic Acid U Acetone I ce V MCAA J Di Water W pH 4-5 K EDTA Y Trizma L EDA Z other (specify)					
State Zip WI 53005		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No						Other:					
Phone 262 781-0475(Tel)		PO # 4502081030											
Email mitcheld@kprginc.com		WR #		Project # 50011612		SSOW#							
Project Name Powerton CCR Event Desc Quarterly Powerton CCR Sampl ng		Project #		SSOW#									
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:		Special Instructions/Note.	
<i>56789</i> MW-17		<i>6/8/22</i>		<i>1345</i>		<i>G</i>		<i>Water</i>		<i>N N A A A A</i>			
MW-08		<i>6/8/22</i>		0810		<i>G</i>		<i>Water</i>		<i>N N Y X X A</i>		<i>Sample Time = 1148</i>	
MW-09		<i>6/8/22</i>		<i>0810</i>		<i>G</i>		<i>Water</i>		<i>N N Y X X A</i>			
MW-11		<i>6/8/22</i>		<i>0916</i>		<i>G</i>		<i>Water</i>		<i>N N Y X X X</i>			
MW 12		<i>6/8/22</i>		<i>1042</i>		<i>G</i>		<i>Water</i>		<i>N N Y X X X</i>			
MW 15		<i>6/8/22</i>		<i>1450</i>		<i>G</i>		<i>Water</i>		<i>N N Y X X A</i>			
MW-16								<i>Water</i>					
MW-17								<i>Water</i>					
MW-18								<i>Water</i>					
MW-19								<i>Water</i>					
MW-20								<i>Water</i>					
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)									
Del verable 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							
Reinquished by <i>MPD</i>		Date/Time <i>6/8/22 1700</i>		Company <i>KPRG</i>		Received by <i>FEDEX</i>		Date/Time <i>6/8/22 1700</i>		Company <i>FEDEX</i>			
Reinquished by		Date/Time		Company		Received by <i>Shirley Smith</i>		Date/Time <i>6/9/22 1620</i>		Company <i>BBTA</i>			
Reinquished by		Date/Time		Company		Received by		Date/Time		Company			
Custody Seals Intac		Custody Sea. No		Cooler Temperature(s) °C and Other Remarks <i>1.4 -> 0.9, 2.1 -> 0.7</i>									
<input type="checkbox"/> Yes <input type="checkbox"/> No													

ORIGIN ID:PIAA (262) 622-1143
MITCHEL DOLAN
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 07JUN22
ACTWGT: 46.40 LB
CAD: 6994780/SSFE2321
DIMS: 24x17x12 IN
BILL THIRD PARTY

TO

TEST AMERICA
2417 BOND ST



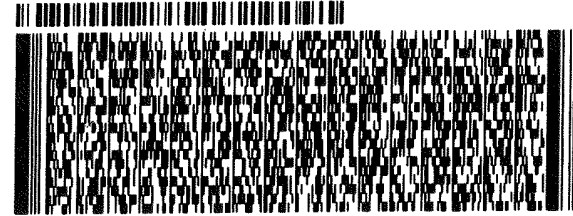
UNIVERSITY PARK IL 60484

(000) 000-0000
TNU:
PO:

REF:

DEPT:

500-217778 Wayb



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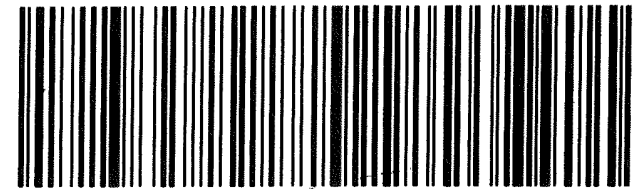
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ORIGIN ID:PIAA (262) 622-1143
MITCHEL DOLAN
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 07JUN22
ACTWGT: 46.40 LB
CAD: 6994780/SSFE2321
DIMS: 24x17x12 IN
BILL THIRD PARTY

Part # 156297-436-89088/80881/122

TO

TEST AMERICA
2417 BOND ST

UNIVERSITY PARK IL 60484

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ID:PIAA (262) 622-1143
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 500-217778 Waybi ASSOCIATES
 1A DR STE 106

SHIP DATE: 08 JUN 22
 ACTWGT: 54.50 LB
 CAD: 6994780/SSFE23
 DIMS: 24x13x14 IN

BILL THIRD PARTY

WESTMONT, IL 60559
 UNITED STATES US

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TESTAMERICA LABORATORIES, INC.
 2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 634-5200

REF: DEPT:



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

SHIP DATE: 08 JUN 22
 ACTWGT: 58.05 LB
 CAD: 6994780/SSFE2321
 DIMS: 24x13x14 IN

BILL THIRD PARTY

WESTMONT, IL 60559
 UNITED STATES US

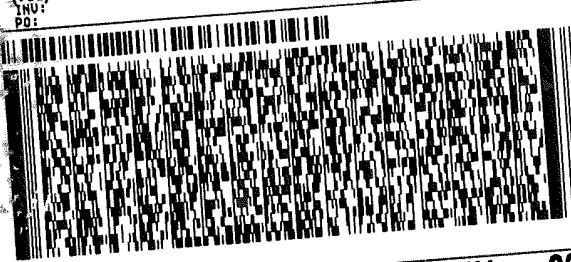
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TESTAMERICA LABORATORIES, INC.
 2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 634-5200

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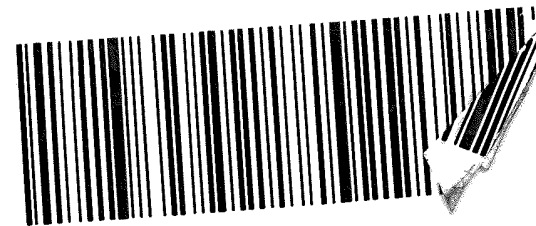
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Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: Lab PM: Mockler, Diana J		COC No: 500-161851.1	
Shipping/Receiving		Phone: E-Mail: Diana.Mockler@et.eurofins.com		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Ridler Trail North, Earth City, MO, 63045		Job #: 500-217778-2	
Due Date Requested: 7/11/2022		TAT Requested (days):		Preservation Codes: 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 Y - Trizma Z - other (specify) Other:	
PO #:		WO #:		Analysis Requested	
Project #: 50011612		SSOW#:		Total Number of Containers	
Site: MWG - Powerton		Sample Date		Field Filtered Sample (Yes or No)	
Sample Identification - Client ID (Lab ID)		Sample Time		Perform MS/MSD (Yes or No)	
MW-01 (500-217778-1)		6/7/22		903.0/PreSep_21 Standard Target List	
MW-18 (500-217778-2)		6/6/22		904.0/PreSep_0 Standard Target List	
MW-19 (500-217778-3)		6/6/22			
Duplicate (500-217778-4)		6/6/22			
Sample Type (C=Comp, G=grab)		Sample Time		Special Instructions/Note:	
Matrix (Water, Seawater, Soil, BT-Tissue, Air)		14:32 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Water		15:32 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Water		16:37 Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Water		Central		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	

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

Possible Hazard Identification
 Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: **FED EX**

Relinquished by: *Shirley Smith* Date/Time: 6/9/22 1500 Company: *BBAA*

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Received by: *Suna Weddington* Date/Time: JUN 10 2022 0900 Company: *GMBA*

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks:



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Lab No: 500-161917-1
Shipping/Receiving		State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@et.eurofins.com	Job #: 500-217778-2
Address: 13715 Rider Trail North,		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 Y - Trizma Z - other (specify)	
City: Earth City		Analysis Requested	
State, Zip: MO, 63045		Total Number of Containers	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		903.0/PreSep_21 Standard Target List	
Email:		904.0/PreSep_0 Standard Target List	
Project Name: Powerton CCR Q2 (RAD)		Perform MS/MSD (Yes or No)	
Site: MWG - Powerton		Field Filtered Sample (Yes or No)	
Due Date Requested: 7/13/2022		Raz26Ra228_GFPc	
TAT Requested (days):		Special Instructions/Note:	
PO #:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
WO #:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Project #: 50011612		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
SSOW#:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Sample Date		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Sample Time		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Sample Type (C=Comp, G=grab)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Matrix (W=water, S=solid, O=wastefoil, B1=Tissue, A=Air)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Preservation Code:		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-17 (500-217778-5)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-08 (500-217778-6)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-09 (500-217778-7)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-11 (500-217778-8)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-12 (500-217778-9)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
MW-15 (500-217778-10)		Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no	
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:	

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

Possible Hazard Identification

Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____
 Relinquished by: *Shirley Smith* Date/Time: 6/10/22 1600 Company: *FEDEX*
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

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

Received by: *Suma Worthington* Date/Time: JUN 13 2022 0900 Company: *FEDEX*
 Received by: _____ Date/Time: _____ Company: _____
 Received by: _____ Date/Time: _____ Company: _____



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-217778-2

Login Number: 217778

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9,0.8,0.9,0.7
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: 500-217778-2

Login Number: 217778

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/10/22 12:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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: 500-217778-2

Login Number: 217778

List Number: 3

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/13/22 01:10 PM

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



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-01

Date Collected: 06/07/22 14:32

Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:42	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-18

Date Collected: 06/06/22 15:32

Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:42	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-19

Date Collected: 06/06/22 16:37

Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:42	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: Duplicate

Date Collected: 06/06/22 00:00

Date Received: 06/08/22 16:45

Lab Sample ID: 500-217778-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:42	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-17

Date Collected: 06/08/22 13:45

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:42	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:05	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-08

Date Collected: 06/08/22 11:48

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:43	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:05	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-09

Date Collected: 06/08/22 08:10

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573478	07/11/22 13:43	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:06	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-11

Date Collected: 06/08/22 09:10

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 17:53	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:06	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Client Sample ID: MW-12

Date Collected: 06/08/22 10:42

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 17:54	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:06	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Client Sample ID: MW-15

Date Collected: 06/08/22 14:50

Date Received: 06/09/22 16:20

Lab Sample ID: 500-217778-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			570472	06/17/22 13:50	MS	TAL SL
Total/NA	Analysis	903.0		1	573477	07/11/22 17:54	FLC	TAL SL
Total/NA	Prep	PrecSep_0			570478	06/17/22 14:18	MS	TAL SL
Total/NA	Analysis	904.0		1	571472	06/24/22 13:06	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	573857	07/14/22 11:02	EMH	TAL SL

Laboratory References:

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

Accreditation/Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-22

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

Tracer/Carrier Summary

Client: KPRG and Associates, Inc.
 Project/Site: Powerton CCR Q2 (RAD)

Job ID: 500-217778-2

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)	
500-217778-1	MW-01	110	
500-217778-1 DU	MW-01	110	
500-217778-2	MW-18	73.5	
500-217778-3	MW-19	97.5	
500-217778-4	Duplicate	88.0	
500-217778-5	MW-17	75.5	
500-217778-6	MW-08	93.5	
500-217778-7	MW-09	96.3	
500-217778-8	MW-11	102	
500-217778-9	MW-12	99.8	
500-217778-10	MW-15	106	
LCS 160-570472/2-A	Lab Control Sample	103	
MB 160-570472/1-A	Method Blank	107	

Tracer/Carrier Legend
 Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-217778-1	MW-01	110	89.3
500-217778-1 DU	MW-01	110	85.2
500-217778-2	MW-18	73.5	86.4
500-217778-3	MW-19	97.5	88.6
500-217778-4	Duplicate	88.0	87.9
500-217778-5	MW-17	75.5	89.7
500-217778-6	MW-08	93.5	87.1
500-217778-7	MW-09	96.3	87.1
500-217778-8	MW-11	102	89.0
500-217778-9	MW-12	99.8	88.2
500-217778-10	MW-15	106	87.1
LCS 160-570478/2-A	Lab Control Sample	103	85.2
MB 160-570478/1-A	Method Blank	107	84.5

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

Date: 6/6/2022

NRG - Groundwater Levels. Location: Powerton

<u>Well ID</u>	<u>Depth to Water</u>	<u>Time</u>	<u>Notes</u>
MW-01	22.13	1348	
MW-02	22.71	1350	
MW-03	22.50	1353	
MW-04	22.89	1356	
MW-05	20.31	1358	
MW-06	17.06	1405	NON-CCR WELL
MW-07	24.65	1407	NON-CCR WELL
MW-08	25.04	1410	
MW-09	22.95	1336	
MW-10	14.07	1345	
MW-11	27.55	1342	
MW-12	22.65	1432	
MW-13	28.61	1427	
MW-14	24.10	1415	
MW-15	24.29	1413	
MW-16	24.50	1327	NON-CCR WELL
MW-17	19.45	1425	
MW-18	25.71	1438	
MW-19	21.05	1339	
MW-20	26.10	1418	
MW-21	27.55	1420	
FAB	4.88	1441	
MCB	—	1422	No water at gauge
ASB	—	1435	No water at gauge
Bypass Basin	2.08	1433	

PROJECT NAME	NRG - POWERTON STATION (12313.1)		DATE	6/7/22
Sample Name	MW-01	Start Time	1410	
Condition of Well	Good			
Water Level	22.13	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Clear	
Volume Removed	2 gal	WL at Sample Time	22.13	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	AB3/ASB + PAB CCR, CCA	Sample Time	1432	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1411	22.13	7.76	9.5	0.820	9.03	183.3	2.48
1416	-	7.61	7.4	0.719	5.57	187.8	4.06
1421	-	7.62	7.2	0.719	5.11	186.1	4.20
1426	22.13	7.62	7.1	0.717	5.00	186.0	3.63

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

MJD

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-08	Start Time	1130	
Condition of Well	Good			
Water Level	25.05	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	SL Cloudy	
Volume Removed	2 gal	WL at Sample Time	25.05	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCA + CCA	Sample Time	1148	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	pH (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1132	25.05	7.64	15.0	1.226	6.12	125.5	25.58
1137	-	7.69	14.3	1.398	0.84	-131.5	24.12
1142	-	7.70	14.2	1.386	0.50	-146.3	15.88
1147	25.05	7.71	14.2	1.370	0.36	-163.1	8.65

SAMPLING NOTES:

CCA Duplicate

Sampler Name and Company:

KPRG and Associates

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-09	Start Time	0752	
Condition of Well	Good			
Water Level	22.95	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Clear	
Volume Removed	2 gal	WL at Sample Time	23.01	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCR + CCA w/ Rad	Sample Time	0810	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	pH (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0754	22.95	7.64	13.7	0.800	1.68	180.8	2.68
0759	-	7.55	13.7	0.800	0.73	183.2	2.48
0804	-	7.52	13.7	0.800	0.39	182.7	6.30
0809	23.01	7.52	13.7	0.800	0.38	182.7	6.93

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

MJD

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-11	Start Time	0858	
Condition of Well	Good			
Water Level	27.57	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	SL Cloudy	
Volume Removed	2 gal	WL at Sample Time	27.59	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCR + CCA w/ Rad	Sample Time	0916	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0900	27.57	7.60	15.6	1.257	7.14	184.0	10.60
0905	-	7.32	15.8	1.245	0.86	180.6	30.77
0910	-	7.34	15.9	1.154	0.55	166.5	70.37
0915	27.59	7.35	15.8	1.149	0.52	163.5	77.21

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

mjd

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-12	Start Time	1025	
Condition of Well	Good			
Water Level	22.65	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Cloudy - Orange	
Volume Removed	2 gal	WL at Sample Time	22.68	
Method of Sample	Low-Flow	Sample Characteristics	Same	
Sample Analysis	CCR + CCA w/ Rad	Sample Time	1042	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1026	22.65	7.87	14.5	1.345	6.87	170.4	80.06
1031	-	7.71	13.7	1.401	2.93	59.0	82.11
1036	-	7.66	13.4	1.387	1.37	14.9	105.97
1041	22.68	7.65	13.6	1.387	1.10	-3.0	57.50

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

MJD

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-15	Start Time	1432	
Condition of Well	Good			
Water Level	24.30	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Cloudy	
Volume Removed	2 gal	WL at Sample Time	24.38	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	ABB/ASB + MCB CCR + CCA w/ Rad	Sample Time	1450	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	pH (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1433	24.30	7.16	15.8	2.706	4.91	157.8	95.98
1438	-	6.88	15.9	3.120	0.92	166.1	92.33
1443	-	6.87	15.9	3.170	0.67	159.9	12.58
1448	24.38	6.87	16.0	3.161	0.63	157.6	10.32

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

MPD

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/8/22
Sample Name	MW-17	Start Time	1328	
Condition of Well	Good			
Water Level	19.45	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	SL Cloudy	
Volume Removed	2 gal	WL at Sample Time	19.49	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	ABB/ASB + MCB CCR	Sample Time	1345	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1329	19.45	7.71	15.7	1.767	6.44	110.3	67.25
1334	-	7.51	15.3	2.401	2.02	96.0	69.60
1339	-	7.51	15.2	2.357	3.33	97.0	47.21
1344	19.49	7.51	15.1	2.357	3.69	98.4	41.49

SAMPLING NOTES:

CCR MCB Duplicate

Sampler Name and Company:

KPRG and Associates

MPO

PROJECT NAME	NRG – POWERTON STATION (12313.1)		DATE	6/6/22
Sample Name	MW-18	Start Time	1514	
Condition of Well	Good			
Water Level	25.71	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Clear	
Volume Removed	2 gal	WL at Sample Time	27.41	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCR	Sample Time	1532	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1516	25.71	7.31	17.0	1.706	5.81	173.2	13.98
1521	-	7.94	16.4	1.626	0.66	78.0	3.86
1526	-	7.99	16.4	1.616	0.44	-23.8	3.06
1531	27.41	8.01	16.4	1.604	1.08	-62.3	2.73

SAMPLING NOTES:

ABB/ASB CCR Duplicate

Sampler Name and Company:

KPRG and Associates

MPO

PROJECT NAME	NRG - POWERTON STATION (12313.1)		DATE	6/6/22
Sample Name	MW-19	Start Time	1620	
Condition of Well	Good			
Water Level	21.05	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low-Flow	Purge Characteristics	Clear	
Volume Removed	2 gal	WL at Sample Time	21.05	
Method of Sample	Low-Flow	Sample Characteristics	Clear	
Sample Analysis	CCR	Sample Time	1637	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1621	21.05	7.61	16.5	0.877	4.77	135.3	2.68
1626	-	7.09	16.4	0.926	0.80	139.5	2.41
1631	-	7.08	16.2	0.904	0.37	134.9	2.24
1636	21.05	7.08	16.3	0.902	0.36	133.9	2.35

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

MPO