

DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

Regulated Unit(s): Former Ash Basin (IEPA ID No. W1798010008-05)

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 4th quarter 2023 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 1. Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL, Former Ash Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
MW-03 down-gradient	6/20/2017	0.4	76	54	0.29	7.26	49	480	< 0.003	0.0013	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.325	< 0.0025	< 0.002	
	8/23/2017	0.40	79	52	0.28	7.44	52	430	< 0.003	0.0010	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	1.200	< 0.0025	< 0.002	
	11/7/2017	0.31	79	62	0.26	7.04	61	460	< 0.003	0.0013	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.588	< 0.0025	< 0.002	
	5/15/2018	0.35	87	66	0.27	7.53	77	520	< 0.003	0.0010	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.489	< 0.0025	< 0.002	
	8/7/2018	0.40	82	67	0.22	6.60	49	500	< 0.003	0.0015	0.067	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.341	< 0.0025	< 0.002	
	10/30/2018	0.20	74	44	0.25	7.84	26	400	< 0.003	0.0014	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.354	< 0.0025	< 0.002	
	2/26/2019	0.06	74	56	0.24	7.49	25	410	< 0.003	0.0013	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.0007	< 0.01	< 0.0002	< 0.005	< 0.399	< 0.0025	< 0.002	
	4/30/2019	0.28	74	49	0.22	7.17	38	390	< 0.003	< 0.001	0.060	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.668	< 0.0025	< 0.002	
	8/26/2019	0.31	75	50	0.26	7.17	14	380	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002	
	2/24/2020	0.33	87	53	0.22	7.10	65	470	< 0.003	< 0.001	0.066	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.400	< 0.0025	< 0.002	
	4/28/2020	0.24	86	46	0.22	7.03	79	410	NA	0.0013	0.066	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.498	0.0036	NA	
	12/9/2020	0.86	92	45	0.28	7.46	60	390	NA	< 0.001	0.086	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.432	< 0.0025	NA	
	5/11/2021	0.22	75	49	0.21	7.33	38	390	< 0.003	< 0.001	0.07	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.519	< 0.0025	< 0.002	
	8/24/2021	0.41	81	46	0.25	7.15	32	310	< 0.003	0.0012	0.072	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002	
	11/30/2021	0.3	76	47	0.26	7.20	^ 23	350	< 0.003	0.0014	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.004	< 0.0002	< 0.005	< 0.436	< 0.0025	< 0.002	
	2/8/2022	0.2	94	47	0.21	7.22	50	550	< 0.003	0.001	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.003	< 0.0002	< 0.005	0.593	< 0.0025	< 0.002	
	6/7/2022	0.37	79	45	0.22	7.37	47	370	< 0.003	0.0012	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.851	< 0.0025	< 0.002	
	8/30/2022	0.57	87	50	0.21	7.10	51	710	< 0.003	< 0.001	0.1	^+< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	^+< 0.01	< 0.0002	< 0.005	0.589	< 0.0025	< 0.002	
	11/14/2022	0.42	81	49	0.28	7.23	44	430	< 0.003	< 0.001	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.54	< 0.0025	< 0.002	
	2/21/2023	1.00	96	53	0.20	7.75	70	550	< 0.0030	< 0.0010	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.493	< 0.0025	< 0.0020	
	5/16/2023	0.15	80	69	0.21	7.42	31	420	< 0.0030	< 0.0010	0.068	^+^1+< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	0.993	0.0038	< 0.0020	
	8/28/2023	0.32	73	82	0.2	7.28	36	430	< 0.0020	< 0.0020	0.096	< 0.0010	< 0.00020	< 0.0050	< 0.0005	< 0.00050	< 0.010	< 0.00020	0.0023	< 0.742	0.0070	0.0030	
	11/7/2023	1.1	90	59	0.19	7.29	91	530	< 0.0030	< 0.0010	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+< 0.010	< 0.00020	< 0.0050	< 0.0758	0.0055	< 0.0020	
	MW-04 down-gradient	6/20/2017	0.5	77	55	0.29	7.45	53	480	< 0.003	< 0.001	0.0025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.343	< 0.0025	< 0.002
		8/28/2017	V 0.73	90	89	0.33	7.13	110	680	< 0.003	< 0.001	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.013	< 0.246	< 0.0025	< 0.002
11/7/2017		0.60	110	94	0.24	6.80	130	650	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.332	0.0092	< 0.002	
5/15/2018		0.68	87	66	0.27	7.63	100	630	< 0.003	< 0.001	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.661	< 0.0025	< 0.002	
8/7/2018		0.79	84	71	0.32	6.72	49	510	< 0.003	0.0011	0.031	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.006	< 0.334	< 0.0025	< 0.002	
10/30/2018		0.54	100	80	0.24	7.55	91	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.423	< 0.0025	< 0.002	
2/26/2019		0.38	79	55	0.25	7.18	52	490	< 0.003	0.0013	0.033	< 0.001	< 0.0005	< 0.005	0.001	0.0012	< 0.01	< 0.0002	< 0.005	0.366	< 0.0025	< 0.002	
4/30/2019		0.36	74	48	0.25	7.08	35	380	< 0.003	< 0.001	0.026	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.684	< 0.0025	< 0.002	
8/26/2019		0.64	91	60	0.24	7.08	14	490	< 0.003	< 0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.008	1.090	< 0.0025	< 0.002	
2/24/2020		0.34	81	49	0.20	7.05	67	440	< 0.003	< 0.001	0.024	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.595	< 0.0025	< 0.002	
4/28/2020		0.55	76	52	0.27	7.03	47	380	NA	< 0.001	0.025	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.465	< 0.0025	NA	
12/9/2020		0.57	92	88	0.32	7.10	94	580	NA	< 0.001	0.034	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0076	< 0.411	< 0.0025	NA	
5/11/2021		0.61	77	44	0.33	7.22	76	410	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.533	< 0.0025	< 0.002	
8/24/2021		0.72	78	48	0.34	7.12	15	100	< 0.003	< 0.001	0.024	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.014	< 0.427	< 0.0025	< 0.002	
11/30/2021		0.51	99	56	0.25	6.95	^ 62	560	< 0.003	0.0012	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0035	< 0.0002	< 0.005	< 0.419	< 0.0025	< 0.002	
2/8/2022		0.47	88	59	0.29	7.15	52	580	< 0.003	< 0.001	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0038	< 0.0002	0.006	0.818	< 0.0025	< 0.002	
6/7/2022		0.48	73	43	0.3	7.31	30	320	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0051	< 0.473	< 0.0025	< 0.002	
8/30/2022		0.67	94	61	0.21	6.80	67	720	< 0.003	< 0.001	0.034	^+< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	^+< 0.01	< 0.0002	< 0.005	< 0.546	< 0.0025	< 0.002	
11/14/2022		0.84	110	62	0.2	6.85	41	570	< 0.003	< 0.001	0.08	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.583	0.0074	< 0.002	
2/21/2023		0.75	89	54	0.22	7.58	54	540	< 0.0030	< 0.0010	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.567	0.0037	< 0.0020	
5/16/2023		0.66	100	51	0.270	7.21	120	550	< 0.0030	< 0.0010	0.034	^+^1+< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.624	< 0.0025	< 0.0020	
8/28/2023		0.78	95	72	0.24	7.02	110	610	< 0.0020	< 0.0020	0.062	< 0.0010	< 0.00020	< 0.0050	< 0.00050	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.669	< 0.0025	< 0.0010	
11/7/2023		0.78	100	59	0.21	7.01	150	620	< 0.0030	< 0.0010	0.065	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+< 0.010	< 0.00020	< 0.0050	0.679	0.0070	< 0.0020	
MW-05 down-gradient		5/17/2016	0.70	100	85	0.35	7.08	120	660	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0		

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

Well	Date	Turbidity (NTU)
MW-01	2/23/2021	78.20
	4/9/2021	6.96
	5/10/2021	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
	8/30/2022	4.73
	11/15/2022	3.9
	2/22/2023	4.54
5/17/2023	4.33	
8/29/2023	4.40	
11/7/2023	2.93	
MW-10	2/23/2021	257.70
	4/9/2021	54.91
	5/11/2021	24.74
	6/2/2021	6.02
	6/28/2021	14.11
	7/19/2021	17.53
	8/24/2021	41.55
	9/30/2021	17.07
	11/30/2021	11.92
	2/9/2022	224.6
	6/7/2022	7.88
	8/30/2022	13.34
	11/15/2022	23.18
	2/22/2023	14.31
5/17/2023	30.70	
8/29/2023	31.79	
11/7/2023	20.85	
MW-02	2/22/2021	19.60
	4/8/2021	4.55
	5/11/2021	1.82
	6/2/2021	2.06
	6/28/2021	2.67
	7/19/2021	3.56
	8/24/2021	5.23
	10/1/2021	2.76
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	2.03
	8/30/2022	2.46
	11/14/2022	29.35
	2/21/2023	2.63
5/16/2023	62.49	
8/28/2023	1.70	
11/7/2023	2.63	
MW-03	2/22/2021	8.20
	4/8/2021	4.00
	5/11/2021	2.68
	6/2/2021	3.63
	6/28/2021	3.32
	7/19/2021	4.22
	8/24/2021	5.75
	10/1/2021	2.45
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	1.72
	8/30/2022	2.67
	11/14/2022	4.03
	2/21/2023	2.33
5/16/2023	6.94	
8/28/2023	1.45	
11/7/2023	2.29	

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

Well	Date	Turbidity (NTU)
MW-04	2/22/2021	4.20
	4/8/2021	4.05
	5/11/2021	4.33
	6/2/2021	2.12
	6/28/2021	8.21
	7/19/2021	3.84
	8/24/2021	2.92
	10/1/2021	2.72
	11/30/2021	0.0
	2/8/2022	11.09
	6/7/2022	1.62
	8/30/2022	4.05
	11/14/2022	20.70
	2/21/2023	3.70
	5/16/2023	2.50
8/28/2023	5.59	
11/7/2023	3.48	
MW-05	2/22/2021	1.72
	4/8/2021	4.00
	5/11/2021	1.82
	6/2/2021	1.88
	6/28/2021	3.49
	7/19/2021	8.39
	8/24/2021	3.20
	10/1/2021	3.12
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	2.33
	8/30/2022	2.70
	11/14/2022	2.05
	2/21/2023	2.16
	5/16/2023	2.55
8/28/2023	1.50	
11/7/2023	2.50	

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

Attn: Richard Gnat
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14665 West Lisbon Road,
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Brookfield, Wisconsin 53005

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JOB DESCRIPTION

Powerton CCR FAB

JOB NUMBER

500-242217-1

Eurofins Chicago

Job Notes

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

Authorization



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Case Narrative

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

Job ID: 500-242217-1

Job ID: 500-242217-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-242217-1**

Receipt

The samples were received on 11/8/2023 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5° C and 4.0° C.

Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 744190 recovered above the upper control limit for Li. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry

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 FAB

Job ID: 500-242217-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-242217-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242217-1	MW-01	Water	11/07/23 15:54	11/08/23 09:55
500-242217-2	MW-02	Water	11/07/23 09:03	11/08/23 09:55
500-242217-3	MW-03	Water	11/07/23 10:23	11/08/23 09:55
500-242217-4	MW-04	Water	11/07/23 12:15	11/08/23 09:55
500-242217-5	MW-05	Water	11/07/23 12:08	11/08/23 09:55
500-242217-6	MW-10	Water	11/07/23 14:56	11/08/23 09:55
500-242217-7	Duplicate	Water	11/07/23 00:00	11/08/23 09:55

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Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-01

Lab Sample ID: 500-242217-1

Date Collected: 11/07/23 15:54

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:37	1
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 16:02	1
Barium	0.090		0.0025		mg/L		11/17/23 09:13	11/29/23 01:37	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:37	1
Boron	0.45		0.050		mg/L		11/17/23 09:13	11/29/23 16:02	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:37	1
Calcium	110		0.20		mg/L		11/17/23 09:13	11/29/23 01:37	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:37	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:37	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:37	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:37	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:37	1
Selenium	0.0026		0.0025		mg/L		11/17/23 09:13	11/29/23 01:37	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			11/09/23 01:40	1
Chloride (SM 4500 Cl- E)	50		2.0		mg/L			11/15/23 15:18	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			11/16/23 14:33	1
Sulfate (SM 4500 SO4 E)	68		10		mg/L			11/28/23 11:24	2

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-02
Date Collected: 11/07/23 09:03
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:40	1
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 16:06	1
Barium	0.10		0.0025		mg/L		11/17/23 09:13	11/29/23 01:40	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:40	1
Boron	3.6		0.050		mg/L		11/17/23 09:13	11/29/23 16:06	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:40	1
Calcium	120		0.20		mg/L		11/17/23 09:13	11/29/23 01:40	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:40	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:40	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:40	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:40	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:40	1
Selenium	0.0026		0.0025		mg/L		11/17/23 09:13	11/29/23 01:40	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		10		mg/L			11/09/23 01:43	1
Chloride (SM 4500 Cl- E)	45		2.0		mg/L			11/15/23 15:18	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			11/16/23 14:38	1
Sulfate (SM 4500 SO4 E)	170		50		mg/L			11/28/23 11:24	10

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-03

Lab Sample ID: 500-242217-3

Date Collected: 11/07/23 10:23

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:44	1
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 16:10	1
Barium	0.12		0.0025		mg/L		11/17/23 09:13	11/29/23 01:44	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:44	1
Boron	1.1		0.050		mg/L		11/17/23 09:13	11/29/23 16:10	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:44	1
Calcium	90		0.20		mg/L		11/17/23 09:13	11/29/23 01:44	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:44	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:44	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:44	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:44	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:44	1
Selenium	0.0055		0.0025		mg/L		11/17/23 09:13	11/29/23 01:44	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	530		10		mg/L			11/09/23 01:46	1
Chloride (SM 4500 Cl- E)	59		4.0		mg/L			11/15/23 15:37	2
Fluoride (SM 4500 F C)	0.19		0.10		mg/L			11/16/23 14:43	1
Sulfate (SM 4500 SO4 E)	91		10		mg/L			11/28/23 11:25	2

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-04

Lab Sample ID: 500-242217-4

Date Collected: 11/07/23 12:15

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:56	1
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 16:21	1
Barium	0.065		0.0025		mg/L		11/17/23 09:13	11/29/23 01:56	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:56	1
Boron	0.78		0.050		mg/L		11/17/23 09:13	11/29/23 16:21	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:56	1
Calcium	100		0.20		mg/L		11/17/23 09:13	11/29/23 01:56	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:56	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:56	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:56	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:56	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:56	1
Selenium	0.0070		0.0025		mg/L		11/17/23 09:13	11/29/23 01:56	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	620		10		mg/L			11/09/23 01:48	1
Chloride (SM 4500 Cl- E)	59		4.0		mg/L			11/15/23 15:38	2
Fluoride (SM 4500 F C)	0.21		0.10		mg/L			11/16/23 14:48	1
Sulfate (SM 4500 SO4 E)	150		50		mg/L			11/28/23 11:25	10

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-05

Lab Sample ID: 500-242217-5

Date Collected: 11/07/23 12:08

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:59	1
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 16:25	1
Barium	0.039		0.0025		mg/L		11/17/23 09:13	11/29/23 01:59	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:59	1
Boron	1.5		0.050		mg/L		11/17/23 09:13	11/29/23 16:25	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:59	1
Calcium	110		0.20		mg/L		11/17/23 09:13	11/29/23 01:59	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:59	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:59	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:59	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:59	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:59	1
Selenium	0.0025		0.0025		mg/L		11/17/23 09:13	11/29/23 01:59	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	700		10		mg/L			11/09/23 01:51	1
Chloride (SM 4500 Cl- E)	98		20		mg/L			11/15/23 15:38	10
Fluoride (SM 4500 F C)	0.26		0.10		mg/L			11/16/23 14:57	1
Sulfate (SM 4500 SO4 E)	150		50		mg/L			11/28/23 11:25	10

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: MW-10

Lab Sample ID: 500-242217-6

Date Collected: 11/07/23 14:56

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 02:03	1
Arsenic	0.0015		0.0010		mg/L		11/17/23 09:13	11/29/23 16:28	1
Barium	0.25		0.0025		mg/L		11/17/23 09:13	11/29/23 02:03	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 02:03	1
Boron	2.4		0.050		mg/L		11/17/23 09:13	11/29/23 16:28	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 02:03	1
Calcium	110		0.20		mg/L		11/17/23 09:13	11/29/23 02:03	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 02:03	1
Cobalt	0.0081		0.0010		mg/L		11/17/23 09:13	11/29/23 02:03	1
Lead	0.0019		0.00050		mg/L		11/17/23 09:13	11/29/23 02:03	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 02:03	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 02:03	1
Selenium	0.0043		0.0025		mg/L		11/17/23 09:13	11/29/23 02:03	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 02:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/09/23 01:53	1
Chloride (SM 4500 Cl- E)	42		2.0		mg/L			11/15/23 15:18	1
Fluoride (SM 4500 F C)	0.31		0.10		mg/L			11/16/23 15:02	1
Sulfate (SM 4500 SO4 E)	150		50		mg/L			11/28/23 11:27	10

Client Sample Results

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

Job ID: 500-242217-1

Client Sample ID: Duplicate

Lab Sample ID: 500-242217-7

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/08/23 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 02:07	1
Arsenic	0.0011		0.0010		mg/L		11/17/23 09:13	11/29/23 16:32	1
Barium	0.22		0.0025		mg/L		11/17/23 09:13	11/29/23 02:07	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 02:07	1
Boron	2.6		0.050		mg/L		11/17/23 09:13	11/29/23 16:32	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 02:07	1
Calcium	110		0.20		mg/L		11/17/23 09:13	11/29/23 02:07	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 02:07	1
Cobalt	0.0045		0.0010		mg/L		11/17/23 09:13	11/29/23 02:07	1
Lead	0.00087		0.00050		mg/L		11/17/23 09:13	11/29/23 02:07	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 02:07	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 02:07	1
Selenium	0.0047		0.0025		mg/L		11/17/23 09:13	11/29/23 02:07	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 02:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	620		10		mg/L			11/09/23 01:56	1
Chloride (SM 4500 Cl- E)	42		2.0		mg/L			11/15/23 15:17	1
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			11/16/23 15:07	1
Sulfate (SM 4500 SO4 E)	150		50		mg/L			11/28/23 11:27	10

Definitions/Glossary

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

Job ID: 500-242217-1

Qualifiers

Metals

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

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 FAB

Job ID: 500-242217-1

Metals

Prep Batch: 742775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total Recoverable	Water	3005A	
500-242217-2	MW-02	Total Recoverable	Water	3005A	
500-242217-3	MW-03	Total Recoverable	Water	3005A	
500-242217-4	MW-04	Total Recoverable	Water	3005A	
500-242217-5	MW-05	Total Recoverable	Water	3005A	
500-242217-6	MW-10	Total Recoverable	Water	3005A	
500-242217-7	Duplicate	Total Recoverable	Water	3005A	
MB 500-742775/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-742775/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 743111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	7470A	
500-242217-2	MW-02	Total/NA	Water	7470A	
500-242217-3	MW-03	Total/NA	Water	7470A	
500-242217-4	MW-04	Total/NA	Water	7470A	
500-242217-5	MW-05	Total/NA	Water	7470A	
500-242217-6	MW-10	Total/NA	Water	7470A	
500-242217-7	Duplicate	Total/NA	Water	7470A	
MB 500-743111/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-743111/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 743325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	7470A	743111
500-242217-2	MW-02	Total/NA	Water	7470A	743111
500-242217-3	MW-03	Total/NA	Water	7470A	743111
500-242217-4	MW-04	Total/NA	Water	7470A	743111
500-242217-5	MW-05	Total/NA	Water	7470A	743111
500-242217-6	MW-10	Total/NA	Water	7470A	743111
500-242217-7	Duplicate	Total/NA	Water	7470A	743111
MB 500-743111/12-A	Method Blank	Total/NA	Water	7470A	743111
LCS 500-743111/13-A	Lab Control Sample	Total/NA	Water	7470A	743111

Analysis Batch: 744190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total Recoverable	Water	6020B	742775
500-242217-2	MW-02	Total Recoverable	Water	6020B	742775
500-242217-3	MW-03	Total Recoverable	Water	6020B	742775
500-242217-4	MW-04	Total Recoverable	Water	6020B	742775
500-242217-5	MW-05	Total Recoverable	Water	6020B	742775
500-242217-6	MW-10	Total Recoverable	Water	6020B	742775
500-242217-7	Duplicate	Total Recoverable	Water	6020B	742775
MB 500-742775/1-A	Method Blank	Total Recoverable	Water	6020B	742775
LCS 500-742775/2-A	Lab Control Sample	Total Recoverable	Water	6020B	742775

Analysis Batch: 744442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total Recoverable	Water	6020B	742775
500-242217-2	MW-02	Total Recoverable	Water	6020B	742775
500-242217-3	MW-03	Total Recoverable	Water	6020B	742775

Eurofins Chicago

QC Association Summary

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

Job ID: 500-242217-1

Metals (Continued)

Analysis Batch: 744442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-4	MW-04	Total Recoverable	Water	6020B	742775
500-242217-5	MW-05	Total Recoverable	Water	6020B	742775
500-242217-6	MW-10	Total Recoverable	Water	6020B	742775
500-242217-7	Duplicate	Total Recoverable	Water	6020B	742775
MB 500-742775/1-A	Method Blank	Total Recoverable	Water	6020B	742775
LCS 500-742775/2-A	Lab Control Sample	Total Recoverable	Water	6020B	742775

General Chemistry

Analysis Batch: 741309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	SM 2540C	
500-242217-2	MW-02	Total/NA	Water	SM 2540C	
500-242217-3	MW-03	Total/NA	Water	SM 2540C	
500-242217-4	MW-04	Total/NA	Water	SM 2540C	
500-242217-5	MW-05	Total/NA	Water	SM 2540C	
500-242217-6	MW-10	Total/NA	Water	SM 2540C	
500-242217-7	Duplicate	Total/NA	Water	SM 2540C	
MB 500-741309/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-741309/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 742389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-242217-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-242217-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-242217-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-242217-5	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-242217-6	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-242217-7	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-742389/102	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-742389/103	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 742737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	SM 4500 F C	
500-242217-2	MW-02	Total/NA	Water	SM 4500 F C	
500-242217-3	MW-03	Total/NA	Water	SM 4500 F C	
500-242217-4	MW-04	Total/NA	Water	SM 4500 F C	
500-242217-5	MW-05	Total/NA	Water	SM 4500 F C	
500-242217-6	MW-10	Total/NA	Water	SM 4500 F C	
500-242217-7	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-742737/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-742737/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 744036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-242217-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-242217-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-242217-4	MW-04	Total/NA	Water	SM 4500 SO4 E	

Euofins Chicago

QC Association Summary

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

Job ID: 500-242217-1

General Chemistry (Continued)

Analysis Batch: 744036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-5	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-242217-6	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-242217-7	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-744036/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-744036/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

- 1
- 2
- 3
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- 10
- 11
- 12
- 13

QC Sample Results

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

Job ID: 500-242217-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-742775/1-A
Matrix: Water
Analysis Batch: 744190

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 742775

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		11/17/23 09:13	11/29/23 01:10	1
Barium	<0.0025		0.0025		mg/L		11/17/23 09:13	11/29/23 01:10	1
Beryllium	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:10	1
Cadmium	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:10	1
Calcium	<0.20		0.20		mg/L		11/17/23 09:13	11/29/23 01:10	1
Chromium	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:10	1
Cobalt	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 01:10	1
Lead	<0.00050		0.00050		mg/L		11/17/23 09:13	11/29/23 01:10	1
Lithium	<0.010	^+	0.010		mg/L		11/17/23 09:13	11/29/23 01:10	1
Molybdenum	<0.0050		0.0050		mg/L		11/17/23 09:13	11/29/23 01:10	1
Selenium	<0.0025		0.0025		mg/L		11/17/23 09:13	11/29/23 01:10	1
Thallium	<0.0020		0.0020		mg/L		11/17/23 09:13	11/29/23 01:10	1

Lab Sample ID: MB 500-742775/1-A
Matrix: Water
Analysis Batch: 744442

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 742775

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		11/17/23 09:13	11/29/23 14:46	1
Boron	<0.050		0.050		mg/L		11/17/23 09:13	11/29/23 14:46	1

Lab Sample ID: LCS 500-742775/2-A
Matrix: Water
Analysis Batch: 744190

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 742775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.499		mg/L		100	80 - 120
Beryllium	0.0500	0.0480		mg/L		96	80 - 120
Cadmium	0.0500	0.0479		mg/L		96	80 - 120
Calcium	10.0	8.31		mg/L		83	80 - 120
Chromium	0.200	0.195		mg/L		97	80 - 120
Cobalt	0.500	0.493		mg/L		99	80 - 120
Lead	0.100	0.0986		mg/L		99	80 - 120
Lithium	0.100	0.106	^+	mg/L		106	80 - 120
Molybdenum	1.00	0.949		mg/L		95	80 - 120
Selenium	0.100	0.0958		mg/L		96	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-742775/2-A
Matrix: Water
Analysis Batch: 744442

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 742775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.960		mg/L		96	80 - 120

QC Sample Results

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

Job ID: 500-242217-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-743111/12-A
Matrix: Water
Analysis Batch: 743325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/23 13:30	11/21/23 08:50	1

Lab Sample ID: LCS 500-743111/13-A
Matrix: Water
Analysis Batch: 743325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00207		mg/L		103	80 - 120

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

Lab Sample ID: MB 500-741309/1
Matrix: Water
Analysis Batch: 741309

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/09/23 01:28	1

Lab Sample ID: LCS 500-741309/2
Matrix: Water
Analysis Batch: 741309

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	246		mg/L		98	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-742389/102
Matrix: Water
Analysis Batch: 742389

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/15/23 15:17	1

Lab Sample ID: LCS 500-742389/103
Matrix: Water
Analysis Batch: 742389

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	20.9		mg/L		105	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-742737/3
Matrix: Water
Analysis Batch: 742737

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			11/16/23 13:21	1

Eurofins Chicago

QC Sample Results

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

Job ID: 500-242217-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-742737/4
Matrix: Water
Analysis Batch: 742737

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	9.90		mg/L		99	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-744036/16
Matrix: Water
Analysis Batch: 744036

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			11/28/23 11:23	1

Lab Sample ID: LCS 500-744036/17
Matrix: Water
Analysis Batch: 744036

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	19.9		mg/L		99	88 - 123

Chain of Custody Record

541618



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: Diana Mockler		Site Contact:		Date:																							
Company Name <i>KPRG and Associates</i>		Tel/Email:		Lab Contact:		Carrier:																							
Address <i>14665 W. Lisbon Rd, Ste 1A</i>		Analysis Turnaround Time																											
City/State/Zip <i>Brockfield, WI 53005</i>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS																											
Phone <i>262-781-0475</i>		TAT if different from Below <i>standard</i>																											
Fax		<input type="checkbox"/> 2 weeks																											
Project Name <i>Midwest Generation - Powertran</i>		<input type="checkbox"/> 1 week																											
Site <i>CCR AB2218330</i>		<input type="checkbox"/> 2 days																											
P O # <i>FAB</i>		<input type="checkbox"/> 1 day																											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		500-242217 COC		COC No ___ of ___ COCs Sampler For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No 500-742217 Sample Specific Notes											
1 <i>MW-01</i>		<i>11/7/23</i>		<i>1554</i>		<i>G</i>		<i>Water</i>		<i>5</i>		<i>N</i>		<i>N</i>															
2 <i>MW-02</i>				<i>0903</i>								<i>N</i>		<i>N</i>															
3 <i>MW-03</i>				<i>1023</i>								<i>N</i>		<i>N</i>															
4 <i>MW-04</i>				<i>1215</i>								<i>N</i>		<i>N</i>															
5 <i>MW-05</i>				<i>1708</i>								<i>N</i>		<i>N</i>															
6 <i>MW-10</i>				<i>1456</i>								<i>N</i>		<i>N</i>															
7 <i>Duplicate</i>		<i>11/7/23</i>		<i>-</i>		<i>G</i>		<i>Water</i>		<i>5</i>		<i>N</i>		<i>N</i>															
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other <i>None</i>												<i>44</i>		<i>11/16/24</i>															
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
<input checked="" 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"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months																	
Special Instructions/QC Requirements & Comments:														<i>27+25, 4.2+4.0</i>															
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No				Cooler Temp (°C) Obs'd _____ Corr'd _____				Therm ID No _____																	
Relinquished by <i>Jack Zinner</i>				Company <i>KPRG</i>				Date/Time <i>11/7/23 1800</i>				Received by _____																	
Relinquished by				Company				Date/Time				Received by _____																	
Relinquished by				Company				Date/Time				Received in Laboratory by <i>Stephanie Hernandez</i>																	
												Company <i>EETA</i>																	
												Date/Time <i>11/8/23 0955</i>																	



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

SHIP DATE: 07NOV23
ACTWGT: 52.50 LB
CAD: 6994780/SSFE2460
DIMS: 27x14x14 IN

WESTMONT, IL 60559
UNITED STATES US

BILL THIRD PARTY

TO EUROFINS

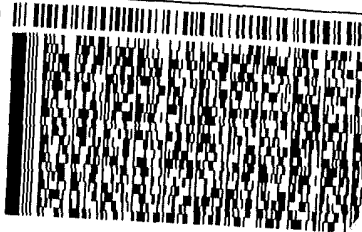
2417 BOND ST.

UNIVERSITY PARK IL 60484

(666) 666-6666
INVT
PO1

REF:

DEPT:



AdEx
17888
5 10:30
0048
11.08
RT 519
ST 25

2 of 6
MPS# 7860 7723 0048
0263
Mstr# 7860 7723 0037

XP JOTA

0201

NOV 10:30A
OVERNIGHT
AHS
60484
IL-US ORD



Part # 156297-42964

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

SHIP DATE: 07NOV23
ACTWGT: 52.50 LB
CAD: 6994780/SSFE2460
DIMS: 27x14x14 IN

WESTMONT, IL 60559
UNITED STATES US

BILL THIRD PARTY

TO EUROFINS

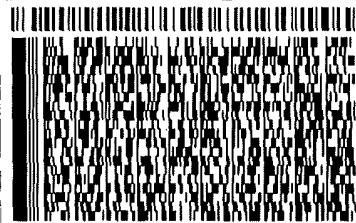
2417 BOND ST.

UNIVERSITY PARK IL 60484

(666) 666-6666
INVT
PO1

REF:

DEPT:



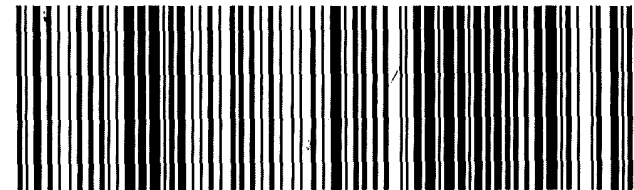
500-242217 Waybi

4 of 6
MPS# 7860 7723 0060
0263
Mstr# 7860 7723 0037

XP JOTA

0201

WED - 08 NOV 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



Part # 156297-42964

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-242217-1

Login Number: 242217

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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 FAB

Job ID: 500-242217-1

Client Sample ID: MW-01
Date Collected: 11/07/23 15:54
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 01:37
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:02
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 08:54
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:40
Total/NA	Analysis	SM 4500 CI- E		1	742389	TR	EET CHI	11/15/23 15:18
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 14:33
Total/NA	Analysis	SM 4500 SO4 E		2	744036	TR	EET CHI	11/28/23 11:24

Client Sample ID: MW-02
Date Collected: 11/07/23 09:03
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 01:40
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:06
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 08:56
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:43
Total/NA	Analysis	SM 4500 CI- E		1	742389	TR	EET CHI	11/15/23 15:18
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 14:38
Total/NA	Analysis	SM 4500 SO4 E		10	744036	TR	EET CHI	11/28/23 11:24

Client Sample ID: MW-03
Date Collected: 11/07/23 10:23
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 01:44
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:10
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 08:59
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:46
Total/NA	Analysis	SM 4500 CI- E		2	742389	TR	EET CHI	11/15/23 15:37
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 14:43
Total/NA	Analysis	SM 4500 SO4 E		2	744036	TR	EET CHI	11/28/23 11:25

Lab Chronicle

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

Job ID: 500-242217-1

Client Sample ID: MW-04
Date Collected: 11/07/23 12:15
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 01:56
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:21
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 09:17
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:48
Total/NA	Analysis	SM 4500 CI- E		2	742389	TR	EET CHI	11/15/23 15:38
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 14:48
Total/NA	Analysis	SM 4500 SO4 E		10	744036	TR	EET CHI	11/28/23 11:25

Client Sample ID: MW-05
Date Collected: 11/07/23 12:08
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 01:59
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:25
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 09:20
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:51
Total/NA	Analysis	SM 4500 CI- E		10	742389	TR	EET CHI	11/15/23 15:38
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 14:57
Total/NA	Analysis	SM 4500 SO4 E		10	744036	TR	EET CHI	11/28/23 11:25

Client Sample ID: MW-10
Date Collected: 11/07/23 14:56
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 02:03
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:28
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 09:22
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:53
Total/NA	Analysis	SM 4500 CI- E		1	742389	TR	EET CHI	11/15/23 15:18
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 15:02
Total/NA	Analysis	SM 4500 SO4 E		10	744036	TR	EET CHI	11/28/23 11:27

Lab Chronicle

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

Job ID: 500-242217-1

Client Sample ID: Duplicate

Lab Sample ID: 500-242217-7

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/08/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744190	BJH	EET CHI	11/29/23 02:07
Total Recoverable	Prep	3005A			742775	BDE	EET CHI	11/17/23 09:13 - 11/17/23 09:43 ¹
Total Recoverable	Analysis	6020B		1	744442	BJH	EET CHI	11/29/23 16:32
Total/NA	Prep	7470A			743111	MJG	EET CHI	11/20/23 13:30 - 11/20/23 15:30 ¹
Total/NA	Analysis	7470A		1	743325	MJG	EET CHI	11/21/23 09:24
Total/NA	Analysis	SM 2540C		1	741309	CLB	EET CHI	11/09/23 01:56
Total/NA	Analysis	SM 4500 Cl- E		1	742389	TR	EET CHI	11/15/23 15:17
Total/NA	Analysis	SM 4500 F C		1	742737	SO	EET CHI	11/16/23 15:07
Total/NA	Analysis	SM 4500 SO4 E		10	744036	TR	EET CHI	11/28/23 11:27

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 500-242217-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-24

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/13/2023 5:12:23 PM

JOB DESCRIPTION

Powerton CCR FAB (RAD)

JOB NUMBER

500-242217-2

Eurofins Chicago

Job Notes

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

Authorization



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Authorized for release by
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(219)252-7570



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Case Narrative

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

Job ID: 500-242217-2

Job ID: 500-242217-2

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-242217-2**

Receipt

The samples were received on 11/8/2023 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5°C and 4.0°C

Gas Flow Proportional Counter

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

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Method Summary

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

Job ID: 500-242217-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-242217-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242217-1	MW-01	Water	11/07/23 15:54	11/08/23 09:55
500-242217-2	MW-02	Water	11/07/23 09:03	11/08/23 09:55
500-242217-3	MW-03	Water	11/07/23 10:23	11/08/23 09:55
500-242217-4	MW-04	Water	11/07/23 12:15	11/08/23 09:55
500-242217-5	MW-05	Water	11/07/23 12:08	11/08/23 09:55
500-242217-6	MW-10	Water	11/07/23 14:56	11/08/23 09:55
500-242217-7	Duplicate	Water	11/07/23 00:00	11/08/23 09:55

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Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-01

Lab Sample ID: 500-242217-1

Date Collected: 11/07/23 15:54

Matrix: Water

Date Received: 11/08/23 09:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.178	0.179	1.00	0.301	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.226	U	0.307	0.308	1.00	0.515	pCi/L	11/10/23 11:17	12/12/23 15:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					11/10/23 11:17	12/12/23 15:56	1
Y Carrier	81.9		30 - 110					11/10/23 11:17	12/12/23 15:56	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.356	U	0.355	0.356	5.00	0.515	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-02

Lab Sample ID: 500-242217-2

Date Collected: 11/07/23 09:03

Matrix: Water

Date Received: 11/08/23 09:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0235	U	0.146	0.146	1.00	0.285	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.296	U	0.391	0.392	1.00	0.652	pCi/L	11/10/23 11:17	12/12/23 15:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					11/10/23 11:17	12/12/23 15:56	1
Y Carrier	64.3		30 - 110					11/10/23 11:17	12/12/23 15:56	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.320	U	0.417	0.418	5.00	0.652	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-03

Lab Sample ID: 500-242217-3

Date Collected: 11/07/23 10:23

Matrix: Water

Date Received: 11/08/23 09:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0521	U	0.169	0.169	1.00	0.314	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.128	U	0.316	0.316	1.00	0.625	pCi/L	11/10/23 11:17	12/12/23 15:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.4		30 - 110					11/10/23 11:17	12/12/23 15:56	1
Y Carrier	71.4		30 - 110					11/10/23 11:17	12/12/23 15:56	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0758	U	0.358	0.358	5.00	0.625	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-04
Date Collected: 11/07/23 12:15
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.119	U	0.182	0.182	1.00	0.312	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.560		0.325	0.329	1.00	0.464	pCi/L	11/10/23 11:17	12/12/23 15:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					11/10/23 11:17	12/12/23 15:58	1
Y Carrier	85.2		30 - 110					11/10/23 11:17	12/12/23 15:58	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.679		0.372	0.376	5.00	0.464	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-05
Date Collected: 11/07/23 12:08
Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0162	U	0.141	0.141	1.00	0.293	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.444		0.292	0.295	1.00	0.428	pCi/L	11/10/23 11:17	12/12/23 15:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					11/10/23 11:17	12/12/23 15:57	1
Y Carrier	89.7		30 - 110					11/10/23 11:17	12/12/23 15:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.428		0.324	0.327	5.00	0.428	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: MW-10

Lab Sample ID: 500-242217-6

Date Collected: 11/07/23 14:56

Matrix: Water

Date Received: 11/08/23 09:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.465		0.300	0.303	1.00	0.421	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.44		0.535	0.551	1.00	0.667	pCi/L	11/10/23 11:17	12/12/23 15:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					11/10/23 11:17	12/12/23 15:57	1
Y Carrier	83.0		30 - 110					11/10/23 11:17	12/12/23 15:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.91		0.613	0.629	5.00	0.667	pCi/L		12/12/23 17:36	1

Client Sample Results

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

Job ID: 500-242217-2

Client Sample ID: Duplicate

Lab Sample ID: 500-242217-7

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/08/23 09:55

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.596		0.309	0.314	1.00	0.382	pCi/L	11/10/23 11:12	12/13/23 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					11/10/23 11:12	12/13/23 07:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.514	0.523	1.00	0.704	pCi/L	11/10/23 11:17	12/12/23 15:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					11/10/23 11:17	12/12/23 15:57	1
Y Carrier	86.0		30 - 110					11/10/23 11:17	12/12/23 15:57	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.64		0.600	0.610	5.00	0.704	pCi/L		12/12/23 17:36	1

Definitions/Glossary

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

Job ID: 500-242217-2

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 FAB (RAD)

Job ID: 500-242217-2

Rad

Prep Batch: 636342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	PrecSep-21	
500-242217-2	MW-02	Total/NA	Water	PrecSep-21	
500-242217-3	MW-03	Total/NA	Water	PrecSep-21	
500-242217-4	MW-04	Total/NA	Water	PrecSep-21	
500-242217-5	MW-05	Total/NA	Water	PrecSep-21	
500-242217-6	MW-10	Total/NA	Water	PrecSep-21	
500-242217-7	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-636342/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-636342/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 636343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242217-1	MW-01	Total/NA	Water	PrecSep_0	
500-242217-2	MW-02	Total/NA	Water	PrecSep_0	
500-242217-3	MW-03	Total/NA	Water	PrecSep_0	
500-242217-4	MW-04	Total/NA	Water	PrecSep_0	
500-242217-5	MW-05	Total/NA	Water	PrecSep_0	
500-242217-6	MW-10	Total/NA	Water	PrecSep_0	
500-242217-7	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-636343/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-636343/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-242217-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-636342/1-A
Matrix: Water
Analysis Batch: 640457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636342

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.03171	U	0.125	0.125	1.00	0.242	pCi/L	11/10/23 11:12	12/13/23 07:10	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	105		30 - 110		11/10/23 11:12	12/13/23 07:10	1			

Lab Sample ID: LCS 160-636342/2-A
Matrix: Water
Analysis Batch: 640457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636342

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.362		1.18	1.00	0.253	pCi/L	83	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	95.9		30 - 110						

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-636343/1-A
Matrix: Water
Analysis Batch: 640274

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636343

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2391	U	0.287	0.288	1.00	0.475	pCi/L	11/10/23 11:17	12/12/23 15:54	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	105		30 - 110		11/10/23 11:17	12/12/23 15:54	1			
Y Carrier	82.2		30 - 110		11/10/23 11:17	12/12/23 15:54	1			

Lab Sample ID: LCS 160-636343/2-A
Matrix: Water
Analysis Batch: 640274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636343

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	7.65	7.151		1.05	1.00	0.474	pCi/L	93	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	95.9		30 - 110						
Y Carrier	83.0		30 - 110						

Chain of Custody Record

541618



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact Company Name: <u>KPRG and Associates</u> Address: <u>14665 W. Lisbon Rd, Ste 1A</u> City/State/Zip: <u>Brockfield, WI 53005</u> Phone: <u>262-781-0475</u> Fax: _____ Project Name: <u>Midwest Generation - Powertran</u> Site: <u>CCR AB2218320</u> P O #: <u>FAB</u>		Project Manager: <u>Diana Mockler</u> Tel/Email: _____		Site Contact: _____ Lab Contact: _____ Date: _____ Carrier: _____		COC No: _____ of _____ COCs Sampler: _____ For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No: <u>500-742217</u>							
Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below: <u>standard</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		500-242217 COC											
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Rad 903	Rad 904	Rad Combined	TDS, F, Cl, Sulfate	Metals, Mercury	Sample Specific Notes
1 MW-01	11/7/23	1554	G	Water	5	N	N	X	X	X	X	X	
2 MW-02		1903				N	N	X	X	X	X	X	
3 MW-03		1023				N	N	X	X	X	X	X	
4 MW-04		1215				N	N	X	X	X	X	X	
5 MW-05		1708				N	N	X	X	X	X	X	
6 MW-10		1456				N	N	X	X	X	X	X	
7 Duplicate	11/7/23	-	G	Water	5	N	N	X	X	X	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other <u>None</u>						449164							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input checked="" type="checkbox"/> Non Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments:													
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No _____		Cooler Temp (°C) Obs'd _____ Corr'd _____		Therm ID No _____		77+25, 4.2+4.0					
Relinquished by <u>Jack Zinner</u>		Company <u>KPRG</u>		Date/Time <u>11/7/23 1800</u>		Received by _____		Company _____		Date/Time _____			
Relinquished by _____		Company _____		Date/Time _____		Received by _____		Company _____		Date/Time _____			
Relinquished by _____		Company _____		Date/Time _____		Received in Laboratory by <u>Stephanie Hernandez</u>		Company <u>EETA</u>		Date/Time <u>11/8/23 0955</u>			

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

SHIP DATE: 07NOV23
ACTWGT: 52.50 LB
CAD: 6994780/SSFE2460
DIMS: 27x14x14 IN

WESTMONT, IL 60559
UNITED STATES US

BILL THIRD PARTY

TO EUROFINS

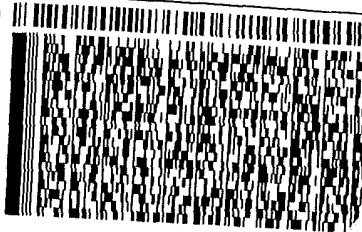
2417 BOND ST.

UNIVERSITY PARK IL 60484

(666) 666-6666
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REF:

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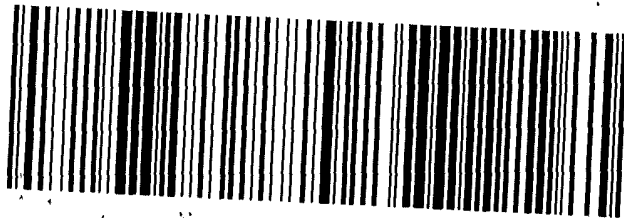
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Mstr# 7860 7723 0037

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Part # 156297-42964

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

SHIP DATE: 07NOV23
ACTWGT: 52.50 LB
CAD: 6994780/SSFE2460
DIMS: 27x14x14 IN

WESTMONT, IL 60559
UNITED STATES US

BILL THIRD PARTY

TO EUROFINS

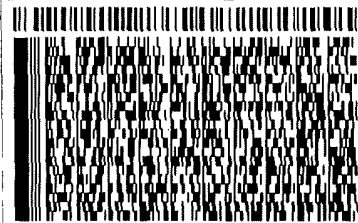
2417 BOND ST.

UNIVERSITY PARK IL 60484

(666) 666-6666
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500-242217 Waybi

4 of 6

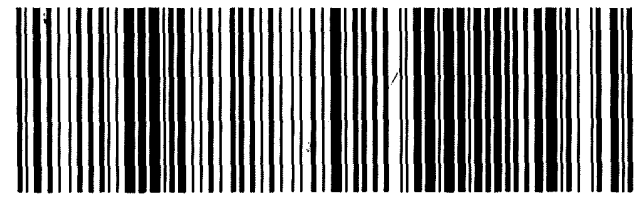
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0263

Mstr# 7860 7723 0037

0201

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Part # 156297-42964

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

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM	Carrier Tracking No(s)		GOC No						
Client Contact:		Mockler, Diana J		State of Origin:		500-181265.1						
Shipping/Receiving		E-Mail:		Job #		Page 1 of 1						
Company:		Diana.Mockler@eurofins.com		Job #		500-242217-2						
TestAmerica Laboratories, Inc.		Accreditations Required (See note)		Preservation Codes:		M - Hexane N - None O - AsHClO2 P - Na2O4S Q - Na2SO3 R - NaHSO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Y - Trizma Z - other (specify)						
Address:		Due Date Requested:		Analysis Requested								
13715 Ridler Trail North,		12/13/2023										
City:		TAT Requested (days):										
Earth City												
State, Zip:												
MO, 63045												
Phone:												
314-298-8566(Tel) 314-298-8757(Fax)												
Email:												
Project #:												
50011612												
Site:												
MWG - Powerton												
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-site, etc)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra228Ra228, GPC	Total Number of Containers	Special Instructions/Note:
MW-01 (500-242217-1)	11/7/23	15:54 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
MW-02 (500-242217-2)	11/7/23	09:03 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
MW-03 (500-242217-3)	11/7/23	10:23 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
MW-04 (500-242217-4)	11/7/23	12:15 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
MW-05 (500-242217-5)	11/7/23	12:08 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
MW-10 (500-242217-6)	11/7/23	14:56 Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS
Duplicate (500-242217-7)	11/7/23	Central		Water		X	X	X	X		3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMS

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>Adri Fed EX</i>	11/18/23	15:430	FED EX
Relinquished by:	Date/Time	Company	Company
Relinquished by:	Date/Time	Company	Company
Relinquished by:	Date/Time	Company	Company
Custody Seals intact:	Cooler Temperature(s) °C and Other Remarks:		
Δ Yes Δ No			

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-242217-2

Login Number: 242217

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	2.5,4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (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: 500-242217-2

Login Number: 242217

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 11/09/23 03:38 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 FAB (RAD)

Job ID: 500-242217-2

Client Sample ID: MW-01

Date Collected: 11/07/23 15:54

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:56
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Client Sample ID: MW-02

Date Collected: 11/07/23 09:03

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:56
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Client Sample ID: MW-03

Date Collected: 11/07/23 10:23

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:56
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Client Sample ID: MW-04

Date Collected: 11/07/23 12:15

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:58
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Lab Chronicle

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

Job ID: 500-242217-2

Client Sample ID: MW-05

Date Collected: 11/07/23 12:08

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:57
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Client Sample ID: MW-10

Date Collected: 11/07/23 14:56

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:57
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Client Sample ID: Duplicate

Date Collected: 11/07/23 00:00

Date Received: 11/08/23 09:55

Lab Sample ID: 500-242217-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			636342	KAC	EET SL	11/10/23 11:12
Total/NA	Analysis	903.0		1	640618	FLC	EET SL	12/13/23 07:20
Total/NA	Prep	PrecSep_0			636343	KAC	EET SL	11/10/23 11:17
Total/NA	Analysis	904.0		1	640274	FLC	EET SL	12/12/23 15:57
Total/NA	Analysis	Ra226_Ra228		1	640269	SCB	EET SL	12/12/23 17:36

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-242217-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-24

- 1
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- 12
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- 14

Tracer/Carrier Summary

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

Job ID: 500-242217-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
500-242217-1	MW-01	92.5
500-242217-2	MW-02	97.4
500-242217-3	MW-03	97.4
500-242217-4	MW-04	97.7
500-242217-5	MW-05	98.7
500-242217-6	MW-10	96.4
500-242217-7	Duplicate	90.5
LCS 160-636342/2-A	Lab Control Sample	95.9
MB 160-636342/1-A	Method Blank	105

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 (30-110)	Y (30-110)
500-242217-1	MW-01	92.5	81.9
500-242217-2	MW-02	97.4	64.3
500-242217-3	MW-03	97.4	71.4
500-242217-4	MW-04	97.7	85.2
500-242217-5	MW-05	98.7	89.7
500-242217-6	MW-10	96.4	83.0
500-242217-7	Duplicate	90.5	86.0
LCS 160-636343/2-A	Lab Control Sample	95.9	83.0
MB 160-636343/1-A	Method Blank	105	82.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	11/7/23
Sample Name	MW - 91	Start Time	1540	
Condition of Well	Good			
Water Level	29.33	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	5.5 qt	WL at Sample Time	29.35	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCR (ABB/ASB, FAB), CCA	Sample Time	1554	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1541	29.33	7.05	14.7	.881	8.35	81.6	3.24
1544	-	6.96	14.3	.881	6.60	79.7	4.28
1547	-	6.95	14.2	.880	6.04	78.6	3.35
1550	-	6.95	14.2	.879	5.61	78.4	2.93

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KCS

PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	11/7/23
Sample Name	MW-02	Start Time	0849	
Condition of Well	Good			
Water Level	30.84	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	4.5 qt	WL at Sample Time	30.84	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	FAB CCR 1231 , CCA	Sample Time	0903	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0850	30.84	7.16	12.8	.908	9.46	93.9	3.17
0853	-	7.10	12.7	.937	5.66	89.2	2.98
0856	-	7.12	12.2	.937	4.42	85.5	2.96
0859	-	7.14	12.7	.937	3.80	83.3	2.63

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KUS

PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	11/7/23
Sample Name	MW-03	Start Time	1006	
Condition of Well	Good			
Water Level	31.51	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	5qt	WL at Sample Time	31.51	
Method of Sample	Low flow bladder	Sample Characteristics	31.51 Clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1023	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1007	31.51	7.48	12.8	.769	9.41	88.2	2.67
1010	-	7.32	12.8	.791	6.24	86.3	2.92
1013	-	7.30	12.7	.799	4.01	78.1	2.52
1016	-	7.30	12.5	.801	3.46	74.1	2.34
1019	-	7.29	12.6	.801	3.01	70.1	2.29

SAMPLING NOTES:

-replaced lock → old lock would not close

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	11/7/23
Sample Name	MW-04	Start Time	1057	
Condition of Well	Good			
Water Level	30.40	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	6 qt	WL at Sample Time	30.45	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1215	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1158	30.40	7.07	15.5	.937	7.10	100.6	9.06
1202	-	7.02	14.7	.949	4.52	90.1	3.46
1205	-	7.01	14.7	.950	3.49	83.1	2.65
1208	-	7.01	14.7	.950	3.16	79.6	2.81
1211	-	7.01	14.7	.949	2.87	77.7	3.48

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	11/7/23
Sample Name	MW-05	Start Time	1153	
Condition of Well	Good			
Water Level	27.33	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well		
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	4.5 qt	WL at Sample Time	27.33	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1308 1208	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1155 1255	27.33	6.98	14.2	1.090	5.73	104.6	7.40
1158 1258	-	6.95	14.0	1.118	3.53	101.6	3.90
1201 1301	-	6.96	14.1	1.117	2.75	98.2	2.62
1204 1304	-	6.96	14.1	1.116	2.34	95.2	2.50

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	11/7/23
Sample Name	MW-10	Start Time	1439	
Condition of Well	Good			
Water Level	20.90	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	6gt	WL at Sample Time	20.90	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1456	
Water Quality Meter	YSI Pro Dss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1440	20.90	7.57	14.1	.791	8.81	52.6	4.20
1443	-	7.14	13.0	.893	4.87	36.2	35.56
1446	-	7.12	13.0	.898	3.43	26.4	31.54
1449	-	7.11	13.1	.900	2.74	22.3	26.70
1452	-	7.11	13.1	.901	2.32	21.1	20.85

SAMPLING NOTES:

FAB Duplicate

Sampler Name and Company:

KPRG and Associates

KVS