

DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

Regulated Unit(s): Metal Cleaning Basin (IEPA ID No. W1798010008-03)

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 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. 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 for the Metal Cleaning Basin dated March 31, 2022. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

It is noted that MW-20 was not sampled with the other wells during the week of May 15, 2023 due to a damaged pump. The pump was repaired and the well was sampled on June 26, 2023. At the time of writing this report, the data is not yet available for MW-20 and an updated submittal will be provided upon receipt of that data.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Power Station, Pekin, IL, Metals Cleaning 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	Selenium	Thallium
MW-13 (S) up-gradient	4/8/2021	2.6	380	130	0.4	8.08	1500	2700	< 0.003	0.021	0.21	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.025	0.77	< 0.0025	< 0.002
	5/13/2021	2.6	340	130	0.39	7.86	1400	2500	< 0.003	0.023	0.23	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.022	0.84	< 0.0025	< 0.002
	6/3/2021	3.2	370	150	0.41	7.63	1500	2600	< 0.003	0.025	0.22	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.026	0.79	< 0.0025	< 0.002
	8/23/2021	3.0	340	110	0.36	7.72	980	2000	< 0.003	0.021	0.19	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.022	0.9	< 0.0025	< 0.002
	10/1/2021	2.8	320	120	0.36	7.78	1300	2500	< 0.003	0.025	0.25	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.00065	^I+< 0.01	< 0.0002	0.023	< 0.577	< 0.0025	< 0.002
	11/30/2021	3.1	330	120	0.36	7.79	^A 1000	2100	< 0.003	0.024	0.19	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.021	0.635	< 0.0025	< 0.002
	1/6/2022	3.1	280	120	0.4	7.77	950	2000	< 0.003	0.028	0.25	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.00055	< 0.002	< 0.0002	0.022	1.57	< 0.0025	< 0.002
	2/9/2022	3.8	310	130	0.41	7.67	1000	2200	< 0.003	0.026	0.25	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.00061	< 0.002	< 0.0002	0.02	1.24	< 0.0025	< 0.002
	6/8/2022	3.2	240	100	0.37	7.96	850	1800	< 0.003	0.021	0.17	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.002	< 0.0002	0.021	< 0.502	< 0.0025	< 0.002
	8/31/2022	2.9	B 250	110	0.39	7.64	Fl 790	1900	< 0.003	0.022	0.19	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.019	0.819	< 0.0025	< 0.002
MW-15 (CL) down-gradient	11/16/2022	2.6	250	120	0.83	7.97	910	1800	< 0.003	0.029	0.21	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.018	3.04	< 0.0025	< 0.002
	2/23/2023	3.1	220	130	0.42	8.38	660	1700	< 0.0030	0.028	0.22	^I+ ^A< 0.010	< 0.0005	< 0.0050	< 0.0010	< 0.0005	< 0.010	0.00033	0.020	1.15	< 0.0025	< 0.0020
	5/17/2023	3.0	200	130	0.41	7.88	640	1700	< 0.0030	0.022	0.13	^I+ ^A< 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	0.00020	0.017	< 0.447	< 0.0025	< 0.0020
	11/18/2015	1.5	270	H 210	H 0.53	6.55	H 1400	H 2400	< 0.003	0.03	0.096	^A< 0.001	< 0.00061	< 0.005	< 0.001	< 0.0005	0.042	H< 0.0002	0.023	< 0.599	0.065	< 0.002
	2/25/2016	2.0	240	110	0.61	6.84	640	1700	< 0.003	0.025	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.035	0.870	0.045	< 0.002
	5/19/2016	2.7	320	240	0.53	6.83	1200	2800	< 0.003	0.04	0.097	< 0.001	< 0.00098	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.041	< 0.420	0.067	< 0.002
	8/18/2016	1.5	200	Fl 170	0.54	6.96	660	1900	< 0.003	0.13	0.11	< 0.001	< 0.0041	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.027	< 0.672	0.061	< 0.002
	11/17/2016	1.3	180	180	0.47	6.91	560	1900	< 0.003	0.033	0.031	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.016	< 0.0002	0.018	< 0.570	0.078	< 0.002
	2/17/2017	1.9	200	190	0.43	7.24	670	1700	< 0.003	0.02	0.056	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.025	< 0.0002	0.027	< 0.392	0.032	< 0.002
	5/4/2017	1.5	180	190	0.57	7.35	670	1700	< 0.003	0.011	0.049	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.023	< 0.0002	0.023	< 0.456	0.034	< 0.002
MW-17 (CL) up-gradient	6/21/2017	1.6	180	200	0.56	7.30	530	1600	< 0.003	0.0093	0.054	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.027	< 0.0002	0.03	< 0.347	0.019	< 0.002
	8/29/2017	2.2	190	200	0.53	6.87	540	1800	< 0.003	0.0018	0.044	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.023	< 0.0002	0.032	< 0.377	0.092	< 0.002
	11/10/2017	1.6	170	180	0.63	7.09	530	1500	< 0.003	0.0063	0.046	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.025	< 0.0002	0.02	< 0.313	0.016	< 0.002
	5/17/2018	2.3	200	160	0.5	6.75	680	1800	< 0.003	0.0081	0.05	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.029	< 0.0002	0.03	< 0.397	0.077	< 0.002
	8/9/2018	2.3	200	200	0.48	7.06	520	1700	< 0.003	0.0083	0.048	^A< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.026	< 0.0002	0.033	< 0.566	0.06	< 0.002
	5/2/2019	1.5	180	200	0.52	6.89	420	1500	< 0.003	0.0045	0.052	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.027	< 0.0002	0.023	< 0.424	< 0.0025	< 0.002
	11/14/2019	1.8	170	170	0.5	7.24	260	1300	< 0.003	0.0044	0.053	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.029	< 0.0002	0.025	< 0.475	< 0.0025	< 0.002
	4/29/2020	1.2	160	200	0.58	6.90	370	1300	NA	0.006	0.06	NA	< 0.0005	NA	< 0.0010	< 0.0005	0.027	< 0.0002	0.023	< 0.578	< 0.0025	< 0.002
	12/8/2020	1.5	170	200	0.55	7.04	540	1400	NA	0.02	0.10	NA	0.00059	NA	0.0012	< 0.0005	0.035	< 0.0002	0.02	< 0.26	0.012	< 0.002
	5/12/2021	1.3	180	180	0.54	6.97	520	1500	< 0.003	0.0048	0.065	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.026	< 0.0002	0.014	< 0.648	0.071	< 0.002
MW-14 (CL) down-gradient	7/20/2021	1.5	190	180	0.49	6.80	440	1500	< 0.003	0.0027	0.057	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.028	< 0.0002	0.02	< 0.398	< 0.0025	< 0.002
	8/23/2021	1.6	200	180	0.52	6.76	440	1500	< 0.003	0.0019	0.052	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.026	< 0.0002	0.024	< 0.794	0.012	< 0.002
	10/1/2021	1.2	180	180	0.53	6.97	430	1400	< 0.003	0.0087	0.065	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	^I+ 0.028	< 0.0002	0.018	< 0.511	0.009	< 0.002
	11/29/2021	1.9	230	240	0.5	6.71	^A 450	1700	< 0.003	0.0031	0.074	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.024	< 0.0002	0.016	< 0.353	0.055	< 0.002
	2/9/2022	0.84	140	160	0.58	6.91	320	1200	< 0.003	0.0075	0.054	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.023	< 0.0002	0.014	< 0.51	0.025	< 0.002
	6/8/2022	2.0	310	230	0.43	6.87	970	2600	< 0.003	0.004	0.09	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.027	< 0.0002	0.019	< 0.612	0.12	< 0.002
	8/31/2022	1.5	B 210	270	0.5	6.80	550	1900	< 0.003	0.0054	0.057	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.03	< 0.0002	0.022	< 0.548	0.008	< 0.002
	11/11/2022	1.3	180	210	0.41	7.26	400	1500	< 0.003	0.0029	0.067	< 0.001	< 0.0005	< 0.0050	< 0.0010	< 0.0005	0.026	< 0.0002	0.018	< 0.851	< 0.0025	< 0.002
	2/23/2023	1.3	190	210	0.37	7.52	370	1400	< 0.0030	0.0049	0.055	^I+ ^A< 0.010	< 0.0005	< 0.0050	< 0.00087	< 0.0005	0.024	< 0.0002	0.026	< 0.258	0.028	0.029
	5/17/2023	2.1	280	330	0.42	6.84	860	2700	< 0.0030	0.0032	0.071	^I+ ^A< 0.010	0.00052	< 0.0050	0.0015	< 0.00050	0.023	< 0.00020	0.045	< 0.547	0.17	< 0.0020

Notes: All units are in mg/l except pH is in standard units. (CL) - Silty Clay Unit. ^A - Continuing Calibration Verification (CCV) is outside acceptance limits, low biased. ^I+ - Initial Calibration Verification (ICV) is outside acceptance limits, high biased. NA - Not Analyzed. D - Sample was prepared or analyzed beyond the specified holding time. DNYA - Data Not Yet Available. B - Serial dilution exceeds outside limits. NS - Not Sampled Due to Insufficient Water.

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Powerton Station, Pekin, IL, Metal Cleaning Basin.

Well	Date	Turbidity (NTU)
MW-13	2/24/2021	8.90
	4/8/2021	6.50
	5/13/2021	2.17
	6/3/2021	2.81
	6/29/2021	4.00
	8/23/2021	3.99
	10/1/2021	4.82
	11/30/2021	5.51
	1/6/2022	16.87
	2/9/2022	1.99
	6/8/2022	30.66
	8/31/2022	16.22
	11/16/2022	4.82
2/23/2023	23.89	
5/17/2023	10.09	
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
	2/7/2022	9.38
	6/8/2022	10.32
	8/31/2022	28.7
	11/16/2022	55.82
	2/23/2023	21.36
	5/17/2023	13.90
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
	11/30/2021	8.86
	2/9/2022	11.19
	6/8/2022	41.49
	8/31/2022	22.58
	11/16/2022	116.69
	2/23/2023	20.65
	5/18/2023	9.92
MW-14	2/24/2021	13.90
	4/8/2021	5.39
	5/12/2021	1.22
	6/3/2021	2.63
	6/28/2021	3.74
	7/20/2021	4.34
	8/23/2021	4.26
	10/1/2021	10.27
	11/29/2021	12.29
	2/9/2022	8.66
	6/8/2022	19.54
	8/31/2022	40.75
	11/17/2022	31.69
	2/21/2023	7.33
	5/17/2023	7.08
MW-20	3/12/2021	343.30
	4/8/2021	14.45
	5/12/2021	3.89
	6/3/2021	6.01
	6/28/2021	8.28
	7/20/2021	9.16
	8/23/2021	27.31
	10/1/2021	8.27
	11/29/2021	8.35
	2/8/2022	76.4
	6/9/2022	19.31
	9/1/2022	63.5
	11/17/2022	NM
	2/21/2023	NM
	6/26/2023	48.01
MW-21	3/12/2021	49.20
	4/8/2021	5.88
	5/12/2021	26.09
	6/3/2021	17.61
	6/28/2021	6.33
	7/20/2021	44.93
	8/23/2021	19.43
	10/8/2021	94.82
	11/29/2021	20.2
	3/1/2022	7.64
	6/9/2022	7.56
	9/1/2022	NM
	11/17/2022	NM
	2/20/2023	25.99
	5/18/2023	7.50

NM - Not Measured due to insufficient water volume.

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

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JOB DESCRIPTION

Powerton CCR MCB

JOB NUMBER

500-234016-1

Eurofins Chicago

Job Notes

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Authorization



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Case Narrative

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

Job ID: 500-234016-1

Job ID: 500-234016-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-234016-1**

Receipt

The samples were received on 5/18/2023 9:40 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 0.7° C and 5.2° C.

Metals

Method 6020A: The initial and continuing low level continuing calibration verification (ICVL/CCVL) associated with batch 716022 recovered above the upper control limit for Be. The samples associated with this CCV were all below the reporting limit for the affected analytes; therefore, the data have been reported.

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

General Chemistry

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-715553 were outside control limits for sulfate. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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 MCB

Job ID: 500-234016-1

Method	Method Description	Protocol	Laboratory
6020A	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 MCB

Job ID: 500-234016-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234016-1	MW-15	Water	05/17/23 13:48	05/18/23 09:40
500-234016-2	MW-14	Water	05/17/23 10:27	05/18/23 09:40
500-234016-3	Duplicate	Water	05/17/23 00:00	05/18/23 09:40
500-234016-4	MW-13	Water	05/17/23 15:15	05/18/23 09:40
500-234016-5	MW-17	Water	05/18/23 13:37	05/19/23 10:00
500-234016-6	MW-21	Water	05/18/23 09:45	05/19/23 10:00

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Client Sample Results

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

Job ID: 500-234016-1

Client Sample ID: MW-15

Lab Sample ID: 500-234016-1

Date Collected: 05/17/23 13:48

Matrix: Water

Date Received: 05/18/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:28	1
Arsenic	0.0032		0.0010		mg/L		05/24/23 08:52	05/25/23 01:28	1
Barium	0.071		0.0025		mg/L		05/24/23 08:52	05/25/23 01:28	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:21	1
Boron	2.1		0.25		mg/L		05/24/23 08:52	05/26/23 19:50	5
Cadmium	0.00052		0.00050		mg/L		05/24/23 08:52	05/25/23 01:28	1
Calcium	280		1.0		mg/L		05/24/23 08:52	05/26/23 19:50	5
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:28	1
Cobalt	0.0015		0.0010		mg/L		05/24/23 08:52	05/25/23 01:28	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:28	1
Lithium	0.023		0.010		mg/L		05/24/23 08:52	05/25/23 01:28	1
Molybdenum	0.045		0.0050		mg/L		05/24/23 08:52	05/25/23 01:28	1
Selenium	0.17		0.0025		mg/L		05/24/23 08:52	05/25/23 01:28	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 01:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		10		mg/L			05/22/23 02:29	1
Chloride (SM 4500 Cl- E)	330		20		mg/L			05/31/23 15:40	10
Fluoride (SM 4500 F C)	0.42		0.10		mg/L			05/24/23 08:35	1
Sulfate (SM 4500 SO4 E)	860		100		mg/L			05/26/23 14:27	20

Client Sample ID: MW-14

Lab Sample ID: 500-234016-2

Date Collected: 05/17/23 10:27

Matrix: Water

Date Received: 05/18/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:32	1
Arsenic	0.0016		0.0010		mg/L		05/24/23 08:52	05/25/23 01:32	1
Barium	0.054		0.0025		mg/L		05/24/23 08:52	05/25/23 01:32	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:24	1
Boron	2.3		0.25		mg/L		05/24/23 08:52	05/26/23 19:54	5
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:32	1
Calcium	280		1.0		mg/L		05/24/23 08:52	05/26/23 19:54	5
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:32	1
Cobalt	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 01:32	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:32	1
Lithium	0.021		0.010		mg/L		05/24/23 08:52	05/25/23 01:32	1
Molybdenum	0.044		0.0050		mg/L		05/24/23 08:52	05/25/23 01:32	1
Selenium	0.090		0.0025		mg/L		05/24/23 08:52	05/25/23 01:32	1
Thallium	0.0027		0.0020		mg/L		05/24/23 08:52	05/25/23 01:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:05	1

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Client Sample Results

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

Job ID: 500-234016-1

Client Sample ID: MW-14
Date Collected: 05/17/23 10:27
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2600		10		mg/L			05/22/23 02:31	1
Chloride (SM 4500 Cl- E)	100		20		mg/L			05/31/23 15:40	10
Fluoride (SM 4500 F C)	1.0		0.10		mg/L			05/24/23 08:35	1
Sulfate (SM 4500 SO4 E)	1100		500		mg/L			05/26/23 14:28	100

Client Sample ID: Duplicate
Date Collected: 05/17/23 00:00
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:35	1
Arsenic	0.021		0.0010		mg/L		05/24/23 08:52	05/25/23 01:35	1
Barium	0.12		0.0025		mg/L		05/24/23 08:52	05/25/23 01:35	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:28	1
Boron	2.8		0.50		mg/L		05/24/23 08:52	05/26/23 19:57	10
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:35	1
Calcium	190		0.20		mg/L		05/24/23 08:52	05/25/23 01:35	1
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:35	1
Cobalt	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 01:35	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:35	1
Lithium	<0.010		0.010		mg/L		05/24/23 08:52	05/25/23 01:35	1
Molybdenum	0.018		0.0050		mg/L		05/24/23 08:52	05/25/23 01:35	1
Selenium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 01:35	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 01:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		10		mg/L			05/22/23 02:34	1
Chloride (SM 4500 Cl- E)	130		20		mg/L			05/31/23 15:41	10
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			05/24/23 08:35	1
Sulfate (SM 4500 SO4 E)	590		250		mg/L			05/26/23 14:15	50

Client Sample ID: MW-13
Date Collected: 05/17/23 15:15
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:39	1
Arsenic	0.022		0.0010		mg/L		05/24/23 08:52	05/25/23 01:39	1
Barium	0.13		0.0025		mg/L		05/24/23 08:52	05/25/23 01:39	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:31	1
Boron	3.0		0.50		mg/L		05/24/23 08:52	05/26/23 20:00	10
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:39	1
Calcium	200		0.20		mg/L		05/24/23 08:52	05/25/23 01:39	1
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:39	1

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Client Sample Results

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

Job ID: 500-234016-1

Client Sample ID: MW-13

Lab Sample ID: 500-234016-4

Date Collected: 05/17/23 15:15

Matrix: Water

Date Received: 05/18/23 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 01:39	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:39	1
Lithium	<0.010		0.010		mg/L		05/24/23 08:52	05/25/23 01:39	1
Molybdenum	0.017		0.0050		mg/L		05/24/23 08:52	05/25/23 01:39	1
Selenium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 01:39	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 01:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700		10		mg/L			05/22/23 02:36	1
Chloride (SM 4500 Cl- E)	130		20		mg/L			05/31/23 15:41	10
Fluoride (SM 4500 F C)	0.41		0.10		mg/L			05/24/23 08:35	1
Sulfate (SM 4500 SO4 E)	640		250		mg/L			05/26/23 14:16	50

Client Sample ID: MW-17

Lab Sample ID: 500-234016-5

Date Collected: 05/18/23 13:37

Matrix: Water

Date Received: 05/19/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:42	1
Arsenic	0.0033		0.0010		mg/L		05/24/23 08:52	05/25/23 01:42	1
Barium	0.022		0.0025		mg/L		05/24/23 08:52	05/25/23 01:42	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:35	1
Boron	1.3		0.25		mg/L		05/24/23 08:52	05/26/23 20:04	5
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:42	1
Calcium	130		0.20		mg/L		05/24/23 08:52	05/25/23 01:42	1
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:42	1
Cobalt	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 01:42	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:42	1
Lithium	0.010		0.010		mg/L		05/24/23 08:52	05/25/23 01:42	1
Molybdenum	0.055		0.0050		mg/L		05/24/23 08:52	05/25/23 01:42	1
Selenium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 01:42	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 01:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1400		10		mg/L			05/23/23 22:32	1
Chloride (SM 4500 Cl- E)	200	F1	20		mg/L			05/31/23 15:42	10
Fluoride (SM 4500 F C)	0.64		0.10		mg/L			05/24/23 08:35	1
Sulfate (SM 4500 SO4 E)	470		250		mg/L			05/26/23 14:17	50

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Client Sample Results

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

Job ID: 500-234016-1

Client Sample ID: MW-21

Lab Sample ID: 500-234016-6

Date Collected: 05/18/23 09:45

Matrix: Water

Date Received: 05/19/23 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 01:46	1
Arsenic	0.038		0.0010		mg/L		05/24/23 08:52	05/25/23 01:46	1
Barium	0.39		0.0025		mg/L		05/24/23 08:52	05/25/23 01:46	1
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 20:07	1
Boron	0.63		0.050		mg/L		05/24/23 08:52	05/26/23 20:07	1
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:46	1
Calcium	130		0.20		mg/L		05/24/23 08:52	05/25/23 01:46	1
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:46	1
Cobalt	0.0023		0.0010		mg/L		05/24/23 08:52	05/25/23 01:46	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 01:46	1
Lithium	<0.010		0.010		mg/L		05/24/23 08:52	05/25/23 01:46	1
Molybdenum	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 01:46	1
Selenium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 01:46	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 01:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	630		10		mg/L			05/23/23 22:40	1
Chloride (SM 4500 Cl- E)	24		2.0		mg/L			05/31/23 16:50	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			05/25/23 09:19	1
Sulfate (SM 4500 SO4 E)	<5.0		5.0		mg/L			05/26/23 14:16	1

Definitions/Glossary

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

Job ID: 500-234016-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.

General Chemistry

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

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 MCB

Job ID: 500-234016-1

Metals

Prep Batch: 714956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total Recoverable	Water	3005A	
500-234016-2	MW-14	Total Recoverable	Water	3005A	
500-234016-3	Duplicate	Total Recoverable	Water	3005A	
500-234016-4	MW-13	Total Recoverable	Water	3005A	
500-234016-5	MW-17	Total Recoverable	Water	3005A	
500-234016-6	MW-21	Total Recoverable	Water	3005A	
MB 500-714956/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-714956/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 715273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total Recoverable	Water	6020A	714956
500-234016-2	MW-14	Total Recoverable	Water	6020A	714956
500-234016-3	Duplicate	Total Recoverable	Water	6020A	714956
500-234016-4	MW-13	Total Recoverable	Water	6020A	714956
500-234016-5	MW-17	Total Recoverable	Water	6020A	714956
500-234016-6	MW-21	Total Recoverable	Water	6020A	714956
MB 500-714956/1-A	Method Blank	Total Recoverable	Water	6020A	714956
LCS 500-714956/2-A	Lab Control Sample	Total Recoverable	Water	6020A	714956

Analysis Batch: 716022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total Recoverable	Water	6020A	714956
500-234016-1	MW-15	Total Recoverable	Water	6020A	714956
500-234016-2	MW-14	Total Recoverable	Water	6020A	714956
500-234016-2	MW-14	Total Recoverable	Water	6020A	714956
500-234016-3	Duplicate	Total Recoverable	Water	6020A	714956
500-234016-3	Duplicate	Total Recoverable	Water	6020A	714956
500-234016-4	MW-13	Total Recoverable	Water	6020A	714956
500-234016-4	MW-13	Total Recoverable	Water	6020A	714956
500-234016-5	MW-17	Total Recoverable	Water	6020A	714956
500-234016-5	MW-17	Total Recoverable	Water	6020A	714956
500-234016-6	MW-21	Total Recoverable	Water	6020A	714956
MB 500-714956/1-A	Method Blank	Total Recoverable	Water	6020A	714956
LCS 500-714956/2-A	Lab Control Sample	Total Recoverable	Water	6020A	714956

Prep Batch: 717594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	7470A	
500-234016-2	MW-14	Total/NA	Water	7470A	
500-234016-3	Duplicate	Total/NA	Water	7470A	
500-234016-4	MW-13	Total/NA	Water	7470A	
500-234016-5	MW-17	Total/NA	Water	7470A	
500-234016-6	MW-21	Total/NA	Water	7470A	
MB 500-717594/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-717594/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-234016-6 MS	MW-21	Total/NA	Water	7470A	
500-234016-6 MSD	MW-21	Total/NA	Water	7470A	
500-234016-6 DU	MW-21	Total/NA	Water	7470A	

QC Association Summary

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

Job ID: 500-234016-1

Metals

Analysis Batch: 717824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	7470A	717594
500-234016-2	MW-14	Total/NA	Water	7470A	717594
500-234016-3	Duplicate	Total/NA	Water	7470A	717594
500-234016-4	MW-13	Total/NA	Water	7470A	717594
500-234016-5	MW-17	Total/NA	Water	7470A	717594
500-234016-6	MW-21	Total/NA	Water	7470A	717594
MB 500-717594/12-A	Method Blank	Total/NA	Water	7470A	717594
LCS 500-717594/13-A	Lab Control Sample	Total/NA	Water	7470A	717594
500-234016-6 MS	MW-21	Total/NA	Water	7470A	717594
500-234016-6 MSD	MW-21	Total/NA	Water	7470A	717594
500-234016-6 DU	MW-21	Total/NA	Water	7470A	717594

General Chemistry

Analysis Batch: 714421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	SM 2540C	
500-234016-2	MW-14	Total/NA	Water	SM 2540C	
500-234016-3	Duplicate	Total/NA	Water	SM 2540C	
500-234016-4	MW-13	Total/NA	Water	SM 2540C	
MB 500-714421/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-714421/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 714883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-5	MW-17	Total/NA	Water	SM 2540C	
500-234016-6	MW-21	Total/NA	Water	SM 2540C	
MB 500-714883/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-714883/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-234016-5 MS	MW-17	Total/NA	Water	SM 2540C	
500-234016-5 DU	MW-17	Total/NA	Water	SM 2540C	
500-234016-6 DU	MW-21	Total/NA	Water	SM 2540C	

Analysis Batch: 715052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	SM 4500 F C	
500-234016-2	MW-14	Total/NA	Water	SM 4500 F C	
500-234016-3	Duplicate	Total/NA	Water	SM 4500 F C	
500-234016-4	MW-13	Total/NA	Water	SM 4500 F C	
500-234016-5	MW-17	Total/NA	Water	SM 4500 F C	
MB 500-715052/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-715052/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 715327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-6	MW-21	Total/NA	Water	SM 4500 F C	
MB 500-715327/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-715327/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-234016-6 MS	MW-21	Total/NA	Water	SM 4500 F C	
500-234016-6 MSD	MW-21	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-234016-1

General Chemistry

Analysis Batch: 715553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-234016-2	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-234016-3	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-234016-4	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-234016-5	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-234016-6	MW-21	Total/NA	Water	SM 4500 SO4 E	
MB 500-715553/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-715553/33	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-715553/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-715553/35	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-234016-3 MS	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-234016-3 MSD	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-234016-6 MS	MW-21	Total/NA	Water	SM 4500 SO4 E	
500-234016-6 MSD	MW-21	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 716123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-234016-2	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-234016-3	Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-234016-4	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-234016-5	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-234016-6	MW-21	Total/NA	Water	SM 4500 Cl- E	
MB 500-716123/145	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-716123/196	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-716123/146	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-716123/197	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-234016-5 MS	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-234016-5 MSD	MW-17	Total/NA	Water	SM 4500 Cl- E	

QC Sample Results

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

Job ID: 500-234016-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-714956/1-A
Matrix: Water
Analysis Batch: 715273

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 714956

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		05/24/23 08:52	05/25/23 00:00	1
Arsenic	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 00:00	1
Barium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 00:00	1
Cadmium	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 00:00	1
Calcium	<0.20		0.20		mg/L		05/24/23 08:52	05/25/23 00:00	1
Chromium	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 00:00	1
Cobalt	<0.0010		0.0010		mg/L		05/24/23 08:52	05/25/23 00:00	1
Lead	<0.00050		0.00050		mg/L		05/24/23 08:52	05/25/23 00:00	1
Lithium	<0.010		0.010		mg/L		05/24/23 08:52	05/25/23 00:00	1
Molybdenum	<0.0050		0.0050		mg/L		05/24/23 08:52	05/25/23 00:00	1
Selenium	<0.0025		0.0025		mg/L		05/24/23 08:52	05/25/23 00:00	1
Thallium	<0.0020		0.0020		mg/L		05/24/23 08:52	05/25/23 00:00	1

Lab Sample ID: MB 500-714956/1-A
Matrix: Water
Analysis Batch: 716022

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 714956

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Beryllium	<0.0010	^1+ ^+	0.0010		mg/L		05/24/23 08:52	05/26/23 19:43	1
Boron	<0.050		0.050		mg/L		05/24/23 08:52	05/26/23 19:43	1

Lab Sample ID: LCS 500-714956/2-A
Matrix: Water
Analysis Batch: 715273

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 714956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	2.00	1.89		mg/L		95	80 - 120
Cadmium	0.0500	0.0481		mg/L		96	80 - 120
Calcium	10.0	8.98		mg/L		90	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.100	0.107		mg/L		107	80 - 120
Lithium	0.500	0.551		mg/L		110	80 - 120
Molybdenum	1.00	0.956		mg/L		96	80 - 120
Selenium	0.100	0.0943		mg/L		94	80 - 120
Thallium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: LCS 500-714956/2-A
Matrix: Water
Analysis Batch: 716022

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 714956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.04		mg/L		104	80 - 120

QC Sample Results

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

Job ID: 500-234016-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-717594/12-A
Matrix: Water
Analysis Batch: 717824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717594

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/08/23 15:05	06/09/23 07:36	1

Lab Sample ID: LCS 500-717594/13-A
Matrix: Water
Analysis Batch: 717824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00198	0.00191		mg/L		96	80 - 120

Lab Sample ID: 500-234016-6 MS
Matrix: Water
Analysis Batch: 717824

Client Sample ID: MW-21
Prep Type: Total/NA
Prep Batch: 717594

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000986		mg/L		99	75 - 125

Lab Sample ID: 500-234016-6 MSD
Matrix: Water
Analysis Batch: 717824

Client Sample ID: MW-21
Prep Type: Total/NA
Prep Batch: 717594

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000995		mg/L		100	75 - 125	1	20

Lab Sample ID: 500-234016-6 DU
Matrix: Water
Analysis Batch: 717824

Client Sample ID: MW-21
Prep Type: Total/NA
Prep Batch: 717594

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 500-714421/1
Matrix: Water
Analysis Batch: 714421

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			05/22/23 01:53	1

Lab Sample ID: LCS 500-714421/2
Matrix: Water
Analysis Batch: 714421

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	244		mg/L		98	80 - 120

QC Sample Results

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

Job ID: 500-234016-1

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

Lab Sample ID: MB 500-714883/1
Matrix: Water
Analysis Batch: 714883

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			05/23/23 22:25	1

Lab Sample ID: LCS 500-714883/2
Matrix: Water
Analysis Batch: 714883

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	286		mg/L		114	80 - 120

Lab Sample ID: 500-234016-5 MS
Matrix: Water
Analysis Batch: 714883

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1400		250	1630	4	mg/L		85	75 - 125

Lab Sample ID: 500-234016-5 DU
Matrix: Water
Analysis Batch: 714883

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1400		1380		mg/L		2	5

Lab Sample ID: 500-234016-6 DU
Matrix: Water
Analysis Batch: 714883

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	630		632		mg/L		0.3	5

Method: SM 4500 CI- E - Chloride, Total

Lab Sample ID: MB 500-716123/145
Matrix: Water
Analysis Batch: 716123

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			05/31/23 15:36	1

Lab Sample ID: MB 500-716123/196
Matrix: Water
Analysis Batch: 716123

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			05/31/23 16:45	1

QC Sample Results

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

Job ID: 500-234016-1

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

Lab Sample ID: LCS 500-716123/146
Matrix: Water
Analysis Batch: 716123

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

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

Lab Sample ID: LCS 500-716123/197
Matrix: Water
Analysis Batch: 716123

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	20.2		mg/L		101	85 - 115

Lab Sample ID: 500-234016-5 MS
Matrix: Water
Analysis Batch: 716123

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	200	F1	20.0	215	4	mg/L		80	75 - 125

Lab Sample ID: 500-234016-5 MSD
Matrix: Water
Analysis Batch: 716123

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	200	F1	20.0	217	4	mg/L		90	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-715052/3
Matrix: Water
Analysis Batch: 715052

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			05/24/23 08:35	1

Lab Sample ID: LCS 500-715052/4
Matrix: Water
Analysis Batch: 715052

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	10.0		mg/L		100	90 - 119

Lab Sample ID: MB 500-715327/31
Matrix: Water
Analysis Batch: 715327

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			05/25/23 09:19	1

QC Sample Results

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

Job ID: 500-234016-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-715327/32
Matrix: Water
Analysis Batch: 715327

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	10.0		mg/L		100	90 - 119

Lab Sample ID: 500-234016-6 MS
Matrix: Water
Analysis Batch: 715327

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.15		5.00	5.37		mg/L		104	75 - 125

Lab Sample ID: 500-234016-6 MSD
Matrix: Water
Analysis Batch: 715327

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.15		5.00	5.00		mg/L		97	75 - 125	7	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-715553/16
Matrix: Water
Analysis Batch: 715553

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			05/26/23 14:07	1

Lab Sample ID: MB 500-715553/33
Matrix: Water
Analysis Batch: 715553

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			05/26/23 14:15	1

Lab Sample ID: LCS 500-715553/17
Matrix: Water
Analysis Batch: 715553

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.2		mg/L		101	88 - 123

Lab Sample ID: LCS 500-715553/35
Matrix: Water
Analysis Batch: 715553

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.6		mg/L		103	88 - 123

QC Sample Results

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

Job ID: 500-234016-1

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

Lab Sample ID: 500-234016-3 MS
Matrix: Water
Analysis Batch: 715553

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	590		20.0	593	4	mg/L		-1	75 - 125

Lab Sample ID: 500-234016-3 MSD
Matrix: Water
Analysis Batch: 715553

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	590		20.0	605	4	mg/L		59	75 - 125	2	20

Lab Sample ID: 500-234016-6 MS
Matrix: Water
Analysis Batch: 715553

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	<5.0		20.0	19.8		mg/L		99	75 - 125

Lab Sample ID: 500-234016-6 MSD
Matrix: Water
Analysis Batch: 715553

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	<5.0		20.0	19.9		mg/L		100	75 - 125	1	20

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2417 Bond Street
 University Park, IL 60484
 Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler <i>Kaelyn Sperle</i>	Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-234016 COC 101																																			
Client Contact: Mitchel Dolen <i>Kaelyn Sperle</i>		Phone: <i>262-278-1621</i>	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin <i>IL</i>																																			
Company KPRG and Associates, Inc		PWSID:	Analysis Requested																																				
Address: 414 Plaza Drive Suite 106		Due Date Requested <i>Standard</i>	<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E</td> <td>903.0 - Radium 226</td> <td>904.0 - Radium 228</td> <td>Ra226Ra228_GFPC - Rad Combined</td> <td>6010C, 6020A, 7470A</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	903.0 - Radium 226	904.0 - Radium 228	Ra226Ra228_GFPC - Rad Combined	6010C, 6020A, 7470A																												
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E			903.0 - Radium 226	904.0 - Radium 228	Ra226Ra228_GFPC - Rad Combined	6010C, 6020A, 7470A																															
City Westmont		TAT Requested (days): <i>Standard</i>	Preservation Codes.																																				
State, Zip IL 60559		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																																				
Phone 262-781-0475(Tel)		PO # 4502125100	Other:																																				
Email mitche@kprginc.com <i>kaelyns@kprginc.com</i>		WO #:	Total Number of containers																																				
Project Name Powerton CCR MCB		Project #: 50018578	Job # <i>500-234016</i>																																				
Site:		SSOW#	Special Instructions/Note:																																				
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/foil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	903.0 - Radium 226	904.0 - Radium 228	Ra226Ra228_GFPC - Rad Combined	6010C, 6020A, 7470A	Total Number of containers	Special Instructions/Note:																										
<i>1</i> <i>2</i>	MW-15	5/17/23	1348	G	Water	N	N	X	X	X	X	X																											
	MW-14	5/17/23	1027	G	Water	N	N	X	X	X	X	X																											
	MW-17				Water																																		
	MW-20				Water																																		
	MW-21				Water																																		
<i>3</i> <i>4</i>	Duplicate	5/17/23	-	G	Water	N	N	X	X	X	X	X																											
	MW-13	5/17/23	1515	G	Water	N	N	X	X	X	X	X																											
					Water																																		
Possible Hazard Identification					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"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" 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>Kaelyn Sperle</i>		Date/Time: 5/17/23/1730		Company KPRG		Received by <i>FedEx</i>		Date/Time: 5/17/23/1730		Company FedEx																													
Relinquished by		Date/Time:		Company		Received by <i>[Signature]</i>		Date/Time: 5/18/23 0940		Company																													
Relinquished by		Date/Time:		Company		Received by		Date/Time:		Company																													
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks. <i>5.3-5.2</i>																																			

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University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



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of 11

500-234016 C0C

Client Information:		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Mockler, Diana J		Carrier Trac																																																													
Client Contact: <u>Mitchel Dolen - Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana Mockler@et.eurofinsus.com</u>		State of Ori: 500-234016 C0C																																																													
Company: <u>KPRG and Associates, Inc</u>		PWSID:		Analysis Requested																																																															
Address: <u>414 Plaza Drive Suite 106</u>		Due Date Requested: <u>Standard</u>		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>2540C - Radium 226</td> <td>904.0 - Radium 228</td> <td>Ra228Ra228_GFFC - Rad Combined</td> <td>6010C, 6020A, 7470A</td> </tr> <tr> <td>TAT Requested (days): <u>Standard</u></td> <td>Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>903.0 - Radium 226</td> <td></td> <td></td> <td></td> </tr> <tr> <td>City: <u>Westmont</u></td> <td>PO #: <u>4502125100</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>State, Zip: <u>IL, 60559</u></td> <td>WO #: <u>kaelyns@kprginc.com</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Phone: <u>262-781-0475(Tel)</u></td> <td>Project #: <u>50018578</u></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Email: <u>mitchel@kprginc.com</u></td> <td>SSOW#:</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C - Radium 226	904.0 - Radium 228	Ra228Ra228_GFFC - Rad Combined	6010C, 6020A, 7470A	TAT Requested (days): <u>Standard</u>	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	903.0 - Radium 226				City: <u>Westmont</u>	PO #: <u>4502125100</u>					State, Zip: <u>IL, 60559</u>	WO #: <u>kaelyns@kprginc.com</u>					Phone: <u>262-781-0475(Tel)</u>	Project #: <u>50018578</u>					Email: <u>mitchel@kprginc.com</u>	SSOW#:																												
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C - Radium 226	904.0 - Radium 228					Ra228Ra228_GFFC - Rad Combined	6010C, 6020A, 7470A																																																										
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Phone: <u>262-781-0475(Tel)</u>	Project #: <u>50018578</u>																																																																		
Email: <u>mitchel@kprginc.com</u>	SSOW#:																																																																		
Project Name: <u>Powerfon CCR MCB</u>		Site:		<table border="1"> <tr> <td>Preservation Code:</td> <td>N</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> <tr> <td>MW-15</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-17</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-21</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Duplicate</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-13</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Preservation Code:	N	D	D	D	D	MW-15						MW-17						MW-20						MW-21						Duplicate						MW-13																							
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MW-21																																																																			
Duplicate																																																																			
MW-13																																																																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Total Number of Containers: <u>500-234016</u>																																																													
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/Note:																																																															
<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"/> Radiological		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For: _____ Months		Deliverable Requested: I, II, III, IV, Other (specify) _____ Special Instructions/QC Requirements: _____																																																															
Empty Kit Relinquished by:		Date	Time	Method of Shipment:																																																															
Relinquished by: <u>Kaelyn Sperle</u>		Date/Time: <u>5/18/23/1715</u>	Company: <u>KPRG</u>	Received by: <u>FedEx</u>		Date/Time: <u>5/18/23/1715</u>	Company: <u>FedEx</u>																																																												
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:																																																												
Relinquished by:		Date/Time:	Company:	Received by: <u>[Signature]</u>		Date/Time: <u>5/19/23 1000</u>	Company:																																																												
Study Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) C and Other Remarks: <u>0.7</u>																																																															

- Preservation Codes**
- A - HCL
 - B - NaOH
 - C - Zn Acetate
 - D - Nitric Acid
 - E - NaHSO4
 - F - MeOH
 - G - Amchlor
 - H - Ascorbic Acid
 - I - Ice
 - J - DI Water
 - K - EDTA
 - L - EDA
 - M - Hexane
 - N - None
 - O - AsNaO2
 - P - Na2O4S
 - Q - Na2SO3
 - R - Na2S2O3
 - S - H2SO4
 - T - TSP Dodecahydrate
 - U - Acetone
 - V - MCAA
 - W - pH 4-5
 - Y - Trizma
 - Z - other (specify)

Total Number of Containers

500-234016

Special Instructions/Note:

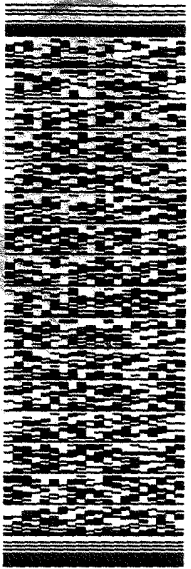
ORIGIN ID:PIAF (262) 278-1621
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 17MAY23
ACTWT: 50.004LB
CAD: 6994779/SSFE2420
DIMS: 24*18*12 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

(000) 000-0000
THU: REF:
PO: DEPT:



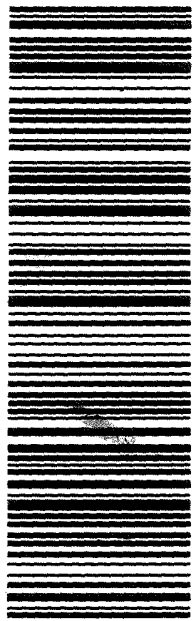
AN 105010050220222

1 of 5
TRK# **3984 4873 0141**
MASTER

THU - 18 MAY 10:30A
PRIORITY OVERNIGHT

XN JOTA

60484
IL-US **ORD**



500-234016 Waybl



Part # 158897435 RRDR EXP 09/23
583J3/2B3/F23

- 1
- 2
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- 11
- 12
- 13

Do Not Lift Using This Tag

ORIGIN ID:PIAA (000) 000-0000
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18MAY23
ACTWGT: 43.00 LB
CAD: 6994779/SSFE2420
DIMS: 24x18x12 IN
BILL THIRD PARTY

Part # 156297-435/PS/02-5805-1123

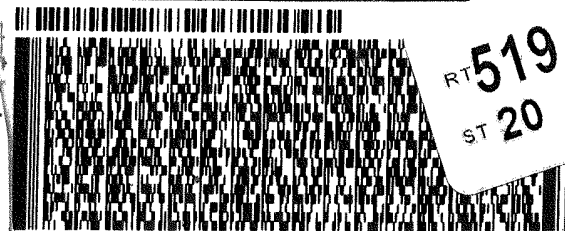
TO **SAMPLE RECEIVING
EUROFINS CHICAGO
2417 BOND ST**

UNIVERSITY PARK IL 60484

(000) 000-0000 REF: THU: PO: DEPT:



500-234016 Waybi



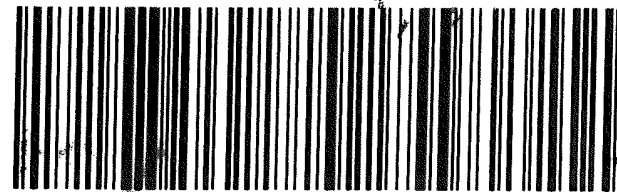
5 10:30 7214 05 19 A
E 15050406202327

3 of 3
MPS# 0263 3984 9766 7214
Mstr# 3984 9766 7199

**FRI - 19 MAY 10:30A
PRIORITY OVERNIGHT**

XN JOTA

**60484
IL-US ORD**



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-234016-1

Login Number: 234016

List Number: 1

Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.2, 0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Lab Chronicle

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

Job ID: 500-234016-1

Client Sample ID: MW-15
Date Collected: 05/17/23 13:48
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:28
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		5	716022	FXG	EET CHI	05/26/23 19:50
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:21
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:03
Total/NA	Analysis	SM 2540C		1	714421	CLB	EET CHI	05/22/23 02:29
Total/NA	Analysis	SM 4500 Cl- E		10	716123	MM	EET CHI	05/31/23 15:40
Total/NA	Analysis	SM 4500 F C		1	715052	EH	EET CHI	05/24/23 08:35
Total/NA	Analysis	SM 4500 SO4 E		20	715553	MM	EET CHI	05/26/23 14:27

Client Sample ID: MW-14
Date Collected: 05/17/23 10:27
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:32
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		5	716022	FXG	EET CHI	05/26/23 19:54
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:24
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:05
Total/NA	Analysis	SM 2540C		1	714421	CLB	EET CHI	05/22/23 02:31
Total/NA	Analysis	SM 4500 Cl- E		10	716123	MM	EET CHI	05/31/23 15:40
Total/NA	Analysis	SM 4500 F C		1	715052	EH	EET CHI	05/24/23 08:35
Total/NA	Analysis	SM 4500 SO4 E		100	715553	MM	EET CHI	05/26/23 14:28

Client Sample ID: Duplicate
Date Collected: 05/17/23 00:00
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:35
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		10	716022	FXG	EET CHI	05/26/23 19:57
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:28
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:08

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-234016-1

Client Sample ID: Duplicate
Date Collected: 05/17/23 00:00
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	714421	CLB	EET CHI	05/22/23 02:34
Total/NA	Analysis	SM 4500 CI- E		10	716123	MM	EET CHI	05/31/23 15:41
Total/NA	Analysis	SM 4500 F C		1	715052	EH	EET CHI	05/24/23 08:35
Total/NA	Analysis	SM 4500 SO4 E		50	715553	MM	EET CHI	05/26/23 14:15

Client Sample ID: MW-13
Date Collected: 05/17/23 15:15
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:39
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		10	716022	FXG	EET CHI	05/26/23 20:00
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:31
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:10
Total/NA	Analysis	SM 2540C		1	714421	CLB	EET CHI	05/22/23 02:36
Total/NA	Analysis	SM 4500 CI- E		10	716123	MM	EET CHI	05/31/23 15:41
Total/NA	Analysis	SM 4500 F C		1	715052	EH	EET CHI	05/24/23 08:35
Total/NA	Analysis	SM 4500 SO4 E		50	715553	MM	EET CHI	05/26/23 14:16

Client Sample ID: MW-17
Date Collected: 05/18/23 13:37
Date Received: 05/19/23 10:00

Lab Sample ID: 500-234016-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:42
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		5	716022	FXG	EET CHI	05/26/23 20:04
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:35
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:12
Total/NA	Analysis	SM 2540C		1	714883	CLB	EET CHI	05/23/23 22:32
Total/NA	Analysis	SM 4500 CI- E		10	716123	MM	EET CHI	05/31/23 15:42
Total/NA	Analysis	SM 4500 F C		1	715052	EH	EET CHI	05/24/23 08:35
Total/NA	Analysis	SM 4500 SO4 E		50	715553	MM	EET CHI	05/26/23 14:17

Lab Chronicle

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

Job ID: 500-234016-1

Client Sample ID: MW-21

Lab Sample ID: 500-234016-6

Date Collected: 05/18/23 09:45

Matrix: Water

Date Received: 05/19/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	715273	FXG	EET CHI	05/25/23 01:46
Total Recoverable	Prep	3005A			714956	BDE	EET CHI	05/24/23 08:52 - 05/24/23 09:22 ¹
Total Recoverable	Analysis	6020A		1	716022	FXG	EET CHI	05/26/23 20:07
Total/NA	Prep	7470A			717594	MJG	EET CHI	06/08/23 15:05 - 06/08/23 17:05 ¹
Total/NA	Analysis	7470A		1	717824	MJG	EET CHI	06/09/23 09:14
Total/NA	Analysis	SM 2540C		1	714883	CLB	EET CHI	05/23/23 22:40
Total/NA	Analysis	SM 4500 Cl- E		1	716123	MM	EET CHI	05/31/23 16:50
Total/NA	Analysis	SM 4500 F C		1	715327	EH	EET CHI	05/25/23 09:19
Total/NA	Analysis	SM 4500 SO4 E		1	715553	MM	EET CHI	05/26/23 14:16

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 MCB

Job ID: 500-234016-1

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

1

2

3

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5

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7

8

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10

11

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13

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

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

Generated 6/21/2023 12:04:22 PM

JOB DESCRIPTION

Powerton CCR MCB (RAD)

JOB NUMBER

500-234016-2

Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated
6/21/2023 12:04:22 PM

Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570



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Case Narrative

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

Job ID: 500-234016-2

Job ID: 500-234016-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-234016-2

Receipt

The samples were received on 5/18/2023 9:40 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 0.7° C and 5.2° C.

RAD

Methods 903.0, 9315: Radium-226 batch 613262

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

MW-15 (500-234016-1), MW-14 (500-234016-2), Duplicate (500-234016-3), MW-13 (500-234016-4), MW-17 (500-234016-5), MW-21 (500-234016-6), (LCS 160-613262/2-A), (MB 160-613262/1-A), (480-208976-C-2-A), (480-208976-C-2-B MS) and (480-208976-D-2-A MSD)

Methods 904.0, 9320: Radium-228 batch 613362

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

MW-15 (500-234016-1), MW-14 (500-234016-2), Duplicate (500-234016-3), MW-13 (500-234016-4), MW-17 (500-234016-5), MW-21 (500-234016-6), (LCS 160-613362/2-A), (MB 160-613362/1-A), (480-208976-C-2-C), (480-208976-C-2-D MS) and (480-208976-D-2-B MSD)

Method PrecSep_0:

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 MCB (RAD)

Job ID: 500-234016-2

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 MCB (RAD)

Job ID: 500-234016-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234016-1	MW-15	Water	05/17/23 13:48	05/18/23 09:40
500-234016-2	MW-14	Water	05/17/23 10:27	05/18/23 09:40
500-234016-3	Duplicate	Water	05/17/23 00:00	05/18/23 09:40
500-234016-4	MW-13	Water	05/17/23 15:15	05/18/23 09:40
500-234016-5	MW-17	Water	05/18/23 13:37	05/19/23 10:00
500-234016-6	MW-21	Water	05/18/23 09:45	05/19/23 10:00

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

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: MW-15

Lab Sample ID: 500-234016-1

Date Collected: 05/17/23 13:48

Matrix: Water

Date Received: 05/18/23 09:40

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	<0.245	U	0.159	0.160	1.00	0.245	pCi/L	05/26/23 09:33	06/20/23 18:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					05/26/23 09:33	06/20/23 18:59	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	<0.491	U	0.314	0.316	1.00	0.491	pCi/L	05/26/23 13:35	06/19/23 11:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					05/26/23 13:35	06/19/23 11:24	1
Y Carrier	83.0		30 - 110					05/26/23 13:35	06/19/23 11:24	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	0.547		0.352	0.354	5.00	0.491	pCi/L		06/21/23 11:13	1

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: MW-14
Date Collected: 05/17/23 10:27
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-2
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	0.338		0.210	0.212	1.00	0.288	pCi/L	05/26/23 09:33	06/20/23 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/26/23 09:33	06/20/23 19:00	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	<0.712	U	0.369	0.370	1.00	0.712	pCi/L	05/26/23 13:35	06/19/23 11:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/26/23 13:35	06/19/23 11:24	1
Y Carrier	75.9		30 - 110					05/26/23 13:35	06/19/23 11:24	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	<0.712	U	0.425	0.426	5.00	0.712	pCi/L		06/21/23 11:13	1

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: Duplicate

Lab Sample ID: 500-234016-3

Date Collected: 05/17/23 00:00

Matrix: Water

Date Received: 05/18/23 09:40

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	0.372		0.183	0.186	1.00	0.217	pCi/L	05/26/23 09:33	06/20/23 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/26/23 09:33	06/20/23 19:00	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	<0.539	U	0.313	0.313	1.00	0.539	pCi/L	05/26/23 13:35	06/19/23 11:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					05/26/23 13:35	06/19/23 11:24	1
Y Carrier	80.7		30 - 110					05/26/23 13:35	06/19/23 11:24	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	0.549		0.363	0.364	5.00	0.539	pCi/L		06/21/23 11:13	1

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: MW-13
Date Collected: 05/17/23 15:15
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-4
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	<0.205	U	0.121	0.121	1.00	0.205	pCi/L	05/26/23 09:33	06/20/23 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					05/26/23 09:33	06/20/23 19:00	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	<0.447	U	0.282	0.283	1.00	0.447	pCi/L	05/26/23 13:35	06/19/23 11:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					05/26/23 13:35	06/19/23 11:24	1
Y Carrier	81.5		30 - 110					05/26/23 13:35	06/19/23 11:24	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	<0.447	U	0.307	0.308	5.00	0.447	pCi/L		06/21/23 11:13	1

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: MW-17

Lab Sample ID: 500-234016-5

Date Collected: 05/18/23 13:37

Matrix: Water

Date Received: 05/19/23 10:00

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	<0.251	U	0.142	0.142	1.00	0.251	pCi/L	05/26/23 09:33	06/20/23 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					05/26/23 09:33	06/20/23 19:00	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	<0.488	U	0.285	0.285	1.00	0.488	pCi/L	05/26/23 13:35	06/19/23 11:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					05/26/23 13:35	06/19/23 11:25	1
Y Carrier	83.0		30 - 110					05/26/23 13:35	06/19/23 11:25	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	<0.488	U	0.318	0.318	5.00	0.488	pCi/L		06/21/23 11:13	1

Client Sample Results

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

Job ID: 500-234016-2

Client Sample ID: MW-21

Lab Sample ID: 500-234016-6

Date Collected: 05/18/23 09:45

Matrix: Water

Date Received: 05/19/23 10:00

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	0.571		0.296	0.301	1.00	0.397	pCi/L	05/26/23 09:33	06/20/23 19:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					05/26/23 09:33	06/20/23 19:00	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	<0.702	U	0.403	0.404	1.00	0.702	pCi/L	05/26/23 13:35	06/19/23 11:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					05/26/23 13:35	06/19/23 11:25	1
Y Carrier	84.5		30 - 110					05/26/23 13:35	06/19/23 11:25	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	0.761		0.500	0.504	5.00	0.702	pCi/L		06/21/23 11:13	1

Definitions/Glossary

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

Job ID: 500-234016-2

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 MCB (RAD)

Job ID: 500-234016-2

Rad

Prep Batch: 613262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	PrecSep-21	
500-234016-2	MW-14	Total/NA	Water	PrecSep-21	
500-234016-3	Duplicate	Total/NA	Water	PrecSep-21	
500-234016-4	MW-13	Total/NA	Water	PrecSep-21	
500-234016-5	MW-17	Total/NA	Water	PrecSep-21	
500-234016-6	MW-21	Total/NA	Water	PrecSep-21	
MB 160-613262/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-613262/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 613362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234016-1	MW-15	Total/NA	Water	PrecSep_0	
500-234016-2	MW-14	Total/NA	Water	PrecSep_0	
500-234016-3	Duplicate	Total/NA	Water	PrecSep_0	
500-234016-4	MW-13	Total/NA	Water	PrecSep_0	
500-234016-5	MW-17	Total/NA	Water	PrecSep_0	
500-234016-6	MW-21	Total/NA	Water	PrecSep_0	
MB 160-613362/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-613362/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-234016-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-613262/1-A
Matrix: Water
Analysis Batch: 616862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613262

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.325	U	0.193	0.193	1.00	0.325	pCi/L	05/26/23 09:33	06/20/23 18:44	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	77.0		30 - 110					05/26/23 09:33	06/20/23 18:44	1

Lab Sample ID: LCS 160-613262/2-A
Matrix: Water
Analysis Batch: 616862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613262

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.32		1.36	1.00	0.207	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	96.2		30 - 110					05/26/23 09:33	06/20/23 18:44

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-613362/1-A
Matrix: Water
Analysis Batch: 616573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613362

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.8965		0.483	0.490	1.00	0.682	pCi/L	05/26/23 13:35	06/19/23 11:16	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	77.0		30 - 110					05/26/23 13:35	06/19/23 11:16	1
Y Carrier	73.6		30 - 110		05/26/23 13:35	06/19/23 11:16	1			

Lab Sample ID: LCS 160-613362/2-A
Matrix: Water
Analysis Batch: 616573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613362

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	8.11	8.380		1.15	1.00	0.502	pCi/L	103	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	96.2		30 - 110					05/26/23 13:35	06/19/23 11:16
Y Carrier	84.5		30 - 110		05/26/23 13:35	06/19/23 11:16	1		

Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: Kaelyn Sperle		Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-234016 COC 30 1																																																																																																										
Client Contact: Mitchel Dolen Kaelyn Sperle		Phone: 262-278-1621		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: IL																																																																																																										
Company: KPRG and Associates, Inc		PWSID:		Analysis Requested																																																																																																												
Address: 414 Plaza Drive Suite 106		Due Date Requested: Standard		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E</td> <td>903.0 - Radium 226</td> <td>904.0 - Radium 228</td> <td>Ra226Ra228_GFPC - Rad Combined</td> <td>6010C, 6020A, 7470A</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	903.0 - Radium 226	904.0 - Radium 228	Ra226Ra228_GFPC - Rad Combined	6010C, 6020A, 7470A																																																																																																		
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	903.0 - Radium 226					904.0 - Radium 228	Ra226Ra228_GFPC - Rad Combined	6010C, 6020A, 7470A																																																																																																						
City: Westmont		TAT Requested (days): Standard		<table border="1"> <tr> <td colspan="7">Preservation Codes.</td> </tr> <tr> <td>A - HCL</td> <td>M - Hexane</td> <td colspan="5"></td> </tr> <tr> <td>B - NaOH</td> <td>N - None</td> <td colspan="5"></td> </tr> <tr> <td>C - Zn Acetate</td> <td>O - AsNaO2</td> <td colspan="5"></td> </tr> <tr> <td>D - Nitric Acid</td> <td>P - Na2O4S</td> <td colspan="5"></td> </tr> <tr> <td>E - NaHSO4</td> <td>Q - Na2SO3</td> <td colspan="5"></td> </tr> <tr> <td>F - MeOH</td> <td>R - Na2S2O3</td> <td colspan="5"></td> </tr> <tr> <td>G - Amchlor</td> <td>S - H2SO4</td> <td colspan="5"></td> </tr> <tr> <td>H - Ascorbic Acid</td> <td>T - TSP Dodecahydrate</td> <td colspan="5"></td> </tr> <tr> <td>I - Ice</td> <td>U - Acetone</td> <td colspan="5"></td> </tr> <tr> <td>J - DI Water</td> <td>V - MCAA</td> <td colspan="5"></td> </tr> <tr> <td>K - EDTA</td> <td>W - pH 4-5</td> <td colspan="5"></td> </tr> <tr> <td>L - EDA</td> <td>Y - Trizma</td> <td colspan="5"></td> </tr> <tr> <td></td> <td>Z - other (specify)</td> <td colspan="5"></td> </tr> <tr> <td colspan="7">Other:</td> </tr> </table>				Preservation Codes.							A - HCL	M - Hexane						B - NaOH	N - None						C - Zn Acetate	O - AsNaO2						D - Nitric Acid	P - Na2O4S						E - NaHSO4	Q - Na2SO3						F - MeOH	R - Na2S2O3						G - Amchlor	S - H2SO4						H - Ascorbic Acid	T - TSP Dodecahydrate						I - Ice	U - Acetone						J - DI Water	V - MCAA						K - EDTA	W - pH 4-5						L - EDA	Y - Trizma							Z - other (specify)						Other:						
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A - HCL	M - Hexane																																																																																																															
B - NaOH	N - None																																																																																																															
C - Zn Acetate	O - AsNaO2																																																																																																															
D - Nitric Acid	P - Na2O4S																																																																																																															
E - NaHSO4	Q - Na2SO3																																																																																																															
F - MeOH	R - Na2S2O3																																																																																																															
G - Amchlor	S - H2SO4																																																																																																															
H - Ascorbic Acid	T - TSP Dodecahydrate																																																																																																															
I - Ice	U - Acetone																																																																																																															
J - DI Water	V - MCAA																																																																																																															
K - EDTA	W - pH 4-5																																																																																																															
L - EDA	Y - Trizma																																																																																																															
	Z - other (specify)																																																																																																															
Other:																																																																																																																
State, Zip: IL 60559		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No		Total Number of containers: 500-234016																																																																																																												
Phone: 262-781-0475(Tel)		PO #: 4502125100																																																																																																														
Email: mitche@dolen.com kaelyns@kprginc.com		WO #:		Special Instructions/Note:																																																																																																												
Project Name: Powerton CCR MCB		Project #: 50018578																																																																																																														
Site:		SSOW#:																																																																																																														
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/foil, BT=Tissue, A=Air)	Preservation Code																																																																																																										
1	MW-15	5/17/23	1348	G	Water	NN	X X X X X																																																																																																									
2	MW-14	5/17/23	1027	G	Water	NN	X X X X X																																																																																																									
	MW-17				Water																																																																																																											
	MW-20				Water																																																																																																											
	MW-21				Water																																																																																																											
3	Duplicate	5/17/23	-	G	Water	NN	X X X X X																																																																																																									
4	MW-13	5/17/23	1515	G	Water	NN	X X X X X																																																																																																									
					Water																																																																																																											
Possible Hazard Identification		<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"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																																																																										
Deliverable Requested I, II, III, IV, Other (specify)						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																																																										
Empty Kit Relinquished by		Date		Time		Method of Shipment:																																																																																																										
Relinquished by: Kaelyn Sperle		Date/Time: 5/17/23/1730		Company: KPRG		Received by: FedEx																																																																																																										
Relinquished by:		Date/Time:		Company:		Date/Time: 5/18/23 0940																																																																																																										
Relinquished by:		Date/Time:		Company:		Received by:																																																																																																										
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 5.3-5.2																																																																																																												

Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record



urofins | Environment Testing

2089-46460 1

of 11

Client Information:		Sampler: Kaelyn Sperle		Lab PM: Mockler, Diana J		Carrier Trac																																					
Client Contact: Mitchel Dolen - Kaelyn Sperle		Phone: 262-278-1621		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Ori: 500-234016 COC																																					
Company: KPRG and Associates, Inc		PWSID:		Analysis Requested																																							
Address: 414 Plaza Drive Suite 106		Due Date Requested: Standard		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>2540C - Radium 226</td> <td>904.0 - Radium 228</td> <td>Ra228Ra228_GFFC - Rad Combined</td> <td>6010C, 6020A, 7470A</td> </tr> <tr> <td>TAT Requested (days): Standard</td> <td>Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>903.0 - Radium 226</td> <td></td> <td></td> <td></td> </tr> <tr> <td>City: Westmont</td> <td>PO #: 4502125100</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>State, Zip: IL, 60559</td> <td>WO #: kaelyns@kprginc.com</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Project Name: Poweron CCR MCB</td> <td>Project #: 50018578</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Site:</td> <td>SSOW#:</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C - Radium 226	904.0 - Radium 228	Ra228Ra228_GFFC - Rad Combined	6010C, 6020A, 7470A	TAT Requested (days): Standard	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	903.0 - Radium 226				City: Westmont	PO #: 4502125100					State, Zip: IL, 60559	WO #: kaelyns@kprginc.com					Project Name: Poweron CCR MCB	Project #: 50018578					Site:	SSOW#:				
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C - Radium 226	904.0 - Radium 228					Ra228Ra228_GFFC - Rad Combined	6010C, 6020A, 7470A																																		
TAT Requested (days): Standard	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	903.0 - Radium 226																																									
City: Westmont	PO #: 4502125100																																										
State, Zip: IL, 60559	WO #: kaelyns@kprginc.com																																										
Project Name: Poweron CCR MCB	Project #: 50018578																																										
Site:	SSOW#:																																										
Email: kaelyns@kprginc.com		Project #:		<p>Preservation Codes:</p> <table border="1"> <tr> <td>N</td> <td>D</td> <td>D</td> <td>D</td> <td>D</td> <td></td> </tr> </table>				N	D	D	D	D																															
N	D	D	D					D																																			
Project Name: Poweron CCR MCB		SSOW#:						<p>Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)</p>																																			
Site:		SSOW#:										<p>Field Filtered Sample (Yes or No)</p>																															
Sample Identification		Sample Date														Sample Time		Sample Type (C=comp, G=grab)		Matrix																							
MW-15																		Water		N																							
MW-17		5/18/23		1337		G										N X X X X X																											
MW-21		5/18/23		0945		G										N X X X X X																											
Duplicate						Water																																					
MW-13						Water																																					
						Water																																					
						Water																																					

- Preservation Codes**
- A - HCL
 - B - NaOH
 - C - Zn Acetate
 - D - Nitric Acid
 - E - NaHSO4
 - F - MeOH
 - G - Amchlor
 - H - Ascorbic Acid
 - I - Ice
 - J - DI Water
 - K - EDTA
 - L - EDA
 - M - Hexane
 - N - None
 - O - AsNaO2
 - P - Na2O4S
 - Q - Na2SO3
 - R - Na2S2O3
 - S - H2SO4
 - T - TSP Dodecahydrate
 - U - Acetone
 - V - MCAA
 - W - pH 4-5
 - Y - Trizma
 - Z - other (specify)

Total Number of Containers

500-234016

Special Instructions/Note:

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab 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: Kaelyn Sperle		Date/Time: 5/18/23/1715		Company: KPRG		Received by: FedEx	
Relinquished by:		Date/Time:		Company:		Date/Time: 5/18/23/1715	
Relinquished by:		Date/Time:		Company:		Date/Time: 5/19/23 1000	
Study Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) C and Other Remarks: 0.7			

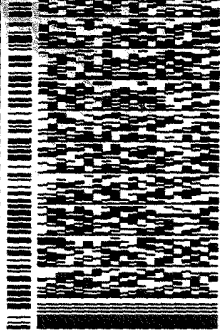
ORIGIN ID:PIAF (262) 278-1621
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 17MAY23
ACTWGT: 50.004LB
CAD: 6994779/SSFE2420
DIMS: 24*18*12 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

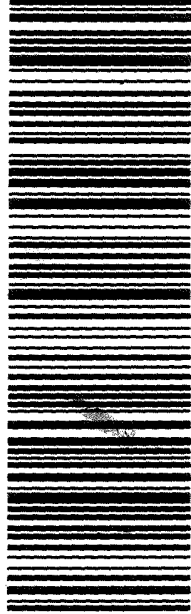
(000) 000-0000
THU: REF:
PO: DEPT:



1 of 5
TRK# **3984 4873 0141**
MASTER ##
THU - 18 MAY 10:30A
PRIORITY OVERNIGHT

XN JOTA

60484
IL-US ORD



500-234016 Waybi



Part # 158897435 RRDR EXP 09/23
583J3/2B3/F23

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Do Not Lift Using This Tag

ORIGIN ID:PIAA (000) 000-0000
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 18MAY23
ACTWGT: 43.00 LB
CAD: 6994779/SSFE2420
DIMS: 24x18x12 IN
BILL THIRD PARTY

Part # 156297-435/PS/02-5805-1123

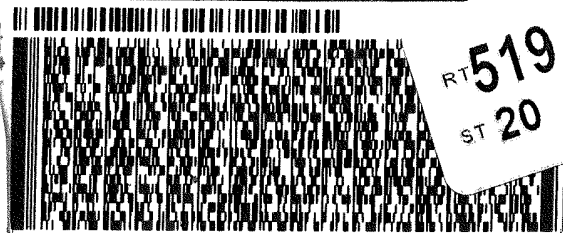
TO **SAMPLE RECEIVING
EUROFINS CHICAGO
2417 BOND ST**

UNIVERSITY PARK IL 60484

(000) 000-0000 REF: THU: PO: DEPT:



500-234016 Waybi



5 10:30 A
7214
05 19

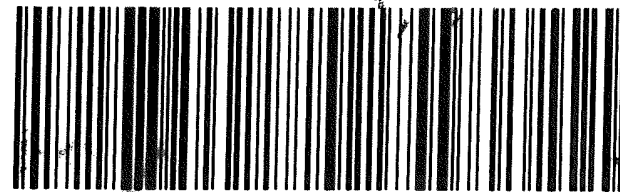


3 of 3
MPS# 0263 3984 9766 7214
Mstr# 3984 9766 7199

**FRI - 19 MAY 10:30A
PRIORITY OVERNIGHT**

XN JOTA

**60484
IL-US ORD**



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: Mockler, Diana J		Lab PM: Mockler, Diana J		Carrier Tracking No(s): 500-174051-1		COC No: 500-174051-1			
Client Contact: Shipping/Receiving		Phone: Diana.Mockler@et.eurofins.com		E-Mail: Diana.Mockler@et.eurofins.com		State of Origin: Illinois		Page: Page 1 of 1			
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-234016-2		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 - EDTA, 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)			
Due Date Requested: 6/22/2023		TAT Requested (days):		PO #:		WO #:		Project #: 50018578			
SSOW#:		Project Name: Powertron CCR MCB (RAD)		Site:		Project #: 50018578		SSOW#:			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (Water, Solid, Organic, BT-Tissue, A=All)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	90.3.0/PreSep_21 Standard Target List	90.4.0/PreSep_0 Standard Target List	R226Ra228 GPC	Total Number of Containers	Special Instructions/Note:
MW-15 (500-234016-1)	5/17/23	13:48 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-14 (500-234016-2)	5/17/23	10:27 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
Duplicate (500-234016-3)	5/17/23	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-13 (500-234016-4)	5/17/23	15:15 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-17 (500-234016-5)	5/18/23	13:37 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-21 (500-234016-6)	5/18/23	09:45 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
										(16) 2451C	(18)

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		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
Unconfirmed		Special Instructions/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by:		Date/Time: 5/19/23 16:00	
Relinquished by: <i>[Signature]</i>		Company: <i>fedex</i>	
Relinquished by: <i>fedex</i>		Company: <i>Shankay - Shargol</i>	
Relinquished by:		Date/Time: 5/24/23 08:05	
Company:		Company: <i>ESTC</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:			



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-234016-2

Login Number: 234016

List Source: Eurofins Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.2, 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: 500-234016-2

Login Number: 234016

List Number: 2

Creator: Sharkey-Gonzalez, Briana L

List Source: Eurofins St. Louis

List Creation: 05/22/23 05:42 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 MCB (RAD)

Job ID: 500-234016-2

Client Sample ID: MW-15
Date Collected: 05/17/23 13:48
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 18:59
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:24
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

Client Sample ID: MW-14
Date Collected: 05/17/23 10:27
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 19:00
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:24
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

Client Sample ID: Duplicate
Date Collected: 05/17/23 00:00
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 19:00
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:24
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

Client Sample ID: MW-13
Date Collected: 05/17/23 15:15
Date Received: 05/18/23 09:40

Lab Sample ID: 500-234016-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 19:00
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:24
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

Lab Chronicle

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

Job ID: 500-234016-2

Client Sample ID: MW-17

Date Collected: 05/18/23 13:37

Date Received: 05/19/23 10:00

Lab Sample ID: 500-234016-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 19:00
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:25
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

Client Sample ID: MW-21

Date Collected: 05/18/23 09:45

Date Received: 05/19/23 10:00

Lab Sample ID: 500-234016-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			613262	KAC	EET SL	05/26/23 09:33
Total/NA	Analysis	903.0		1	616866	FLC	EET SL	06/20/23 19:00
Total/NA	Prep	PrecSep_0			613362	KAC	EET SL	05/26/23 13:35
Total/NA	Analysis	904.0		1	616575	FLC	EET SL	06/19/23 11:25
Total/NA	Analysis	Ra226_Ra228		1	616994	SCB	EET SL	06/21/23 11:13

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 MCB (RAD)

Job ID: 500-234016-2

Laboratory: Eurofins St. Louis

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

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

- 1
- 2
- 3
- 4
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- 9
- 10
- 11
- 12
- 13
- 14

Tracer/Carrier Summary

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

Job ID: 500-234016-2

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)
500-234016-1	MW-15	94.6
500-234016-2	MW-14	89.5
500-234016-3	Duplicate	89.5
500-234016-4	MW-13	96.7
500-234016-5	MW-17	92.8
500-234016-6	MW-21	94.6
LCS 160-613262/2-A	Lab Control Sample	96.2
MB 160-613262/1-A	Method Blank	77.0

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-234016-1	MW-15	94.6	83.0
500-234016-2	MW-14	89.5	75.9
500-234016-3	Duplicate	89.5	80.7
500-234016-4	MW-13	96.7	81.5
500-234016-5	MW-17	92.8	83.0
500-234016-6	MW-21	94.6	84.5
LCS 160-613362/2-A	Lab Control Sample	96.2	84.5
MB 160-613362/1-A	Method Blank	77.0	73.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	5/17/23
Sample Name	MW-13	Start Time	1458	
Condition of Well	good			
Water Level	30.45	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	sl. cloudy black, visible black specks	
Volume Removed	4 gts	W L at Sample Time	30.95	
Method of Sample	Low flow bladder	Sample Characteristics	clear, gray tint	
Sample Analysis	CCA, CCR (MCB)	Sample Time	1515	
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)
1500	30.45	7.85	15.6	1.689	8.85	-22.7	16.66
1503	-	7.87	15.6	1.796	5.09	-158.2	16.35
1506	-	7.90	15.5	1.791	3.06	-194.8	11.70
1509	-	7.89	15.6	1.776	2.27	-203.7	10.71
1512	30.95	7.88	15.5	1.770	2.20	-206.7	10.09

SAMPLING NOTES:

MCB Duplicate

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	5/17/23
Sample Name	MW-14	Start Time	1002	
Condition of Well	good			
Water Level	24.41	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	5.5 gts	WL at Sample Time	25.51	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCA, CCR (MCB)	Sample Time	1027	
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)
1006	24.41	7.04	14.7	2.570	6.39	41.1	21.59
1009	-	7.01	14.7	2.619	4.25	37.0	11.94
1017	-	7.01	14.4	2.668	2.63	30.9	9.25
1020	-	7.01	14.6	2.630	2.54	30.7	7.99
1023	25.51	7.02	14.8	2.633	2.27	30.2	7.08

SAMPLING NOTES:

- paused water quality readings to take phone call; resumed w/ no change in set up

Sampler Name and Company:

KPRG and Associates

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PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	5/17/23
Sample Name	MW-15	Start Time	1333	
Condition of Well	good.			
Water Level	24.67	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	cloudy, brown	
Volume Removed	6 gts	WL at Sample Time	24.71	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCA, CCR (MCB, ARBASB)	Sample Time	1348	
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)
1335	24.67	7.04	16.3	1.659	8.20	18.9	10.08
1338	-	6.84	16.0	2.694	5.18	38.1	397.15
1341	-	6.83	15.9	2.693	3.61	29.4	2.692
1344	-	6.83	16.3	2.646	2.88	-1.0	39.90
1347	-	6.84	15.7	2.651	2.40	-20.8	20.76
1350	24.71	6.84	15.9	2.640	1.99	-33.7	13.90

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

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PROJECT NAME	NRG – POWERTON STATION – 12313.1		DATE	5/18/23
Sample Name	MW-17	Start Time	1320	
Condition of Well	good			
Water Level	19.62	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low flow bladder	Purge Characteristics	cloudy, brown	
Volume Removed	5 gts	W L at Sample Time	20.88	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCR (MCB, ABBASB)	Sample Time	1337	
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)
1321	19.62	7.58	15.6	1.750	7.92	-87.3	106.60
1324	—	7.39	15.7	1.596	3.78	-53.2	135.88
1327	—	7.37	15.6	1.592	2.53	-41.6	30.70
1330	—	7.36	15.9	1.592	2.04	-36.3	13.18
1333	20.88	7.34	15.6	1.610	1.74	-31.8	9.92

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

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PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	6/26/23
Sample Name	MW-20	Start Time	1420	
Condition of Well	good			
Water Level	31.24	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	sl. cloudy	
Volume Removed	0.5 gts	WL at Sample Time	31.24	
Method of Sample	Low flow bladder	Sample Characteristics	sl. cloudy	
Sample Analysis	CCR (MCB)	Sample Time	1444	
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)
1428	31.24	6.86	21.2	2.477	5.33	-117.9	81.10
1431	-	6.84	21.4	2.443	4.22	-113.7	74.03
1434	-	6.83	21.3	2.387	3.45	-109.6	69.33
1437	-	6.80	21.9	2.370	2.94	-108.2	65.04
1440	31.24	6.79	21.7	2.300	2.60	-108.8	48.01

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

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PROJECT NAME	NRG - POWERTON STATION - 12313.1		DATE	5/18/23
Sample Name	MW-24	Start Time	0925	
Condition of Well	good			
Water Level	29.15	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	1.5 qts	WL at Sample Time	29.86	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCR (MCB)	Sample Time	0945	
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)
0929	29.15	6.75	15.9	1.081	6.71	-111.7	17.36
0932	-	6.77	15.9	1.039	4.67	-144.6	13.21
0935	-	6.77	15.9	1.024	3.51	-155.7	8.15
0938	-	6.78	15.8	1.020	2.90	-161.9	8.97
0941	29.86	6.78	15.7	1.023	2.45	-164.1	7.50

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS