

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 4th quarter 2021 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. It also includes an additional round of background sampling for well MW-13 collected on January 6, 2022. Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables as they will be calculated and proposed as part of the Operating Permit submittals due by March 31, 2022. Upon Illinois Environmental Protection Agency approval of the Operating Permit, the approved comparison values will be included for subsequent data comparisons/evaluations.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Metals Cleaning Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved	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	1500	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	1400	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	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	< ^1+ 0.01	< 0.0002	0.023	< 0.577	< 0.0025	< 0.002
	11/30/2021	3.1	330	120	0.36	7.79	^ 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	DNYA	< 0.0025	< 0.002	
MW-15 (CL) down-gradient	11/18/2015	1.5	270	H 210	H 0.53	6.55	H 1400	H 2400	< 0.003	0.03	0.096	^ < 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	< 0.003	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	F1 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	120	180	0.47	6.91	560	1900	< 0.003	0.0033	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	< 0.003	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
	6/21/2017	1.6	180	200	< 0.003	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	< 0.003	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	< ^ 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	0.0036	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	0.626	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
	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	^1+ 0.028	< 0.0002	0.018	< 0.511	0.009	< 0.002
11/29/2021	1.9	230	240	0.5	6.71	^ 450	1700	< 0.003	0.0031	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.016	< 0.353	0.055	< 0.002	
MW-17 (CL) up-gradient	11/19/2015	1.6	210	H 230	H 0.43	7.11	H 850	H 1800	< 0.003	0.0028	0.14	^ < 0.001	< 0.0005	< 0.005	0.0012	0.012	0.019	H < 0.0002	0.035	< 0.790	< 0.0025	< 0.002
	2/22/2016	1.8	290	280	0.55	7.19	960	2100	< 0.003	0.021	0.051	< 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.038	< 0.0002	0.093	1.07	< 0.0025	< 0.002
	5/18/2016	1.4	200	230	0.64	7.02	700	1800	< 0.003	0.32	0.12	< 0.001	0.0011	< 0.005	0.0015	< 0.0005	0.026	< 0.0002	0.12	8.27	< 0.0025	0.0028
	8/15/2016	1.1	220	220	0.60	7.08	860	2100	< 0.003	0.34	0.12	< 0.001	0.001	< 0.005	0.0016	< 0.0005	0.022	< 0.0002	0.1	0.606	< 0.0025	0.0031
	11/14/2016	1.5	200	210	0.56	7.26	560	2000	< 0.003	0.19	0.073	< 0.001	0.00051	< 0.005	0.0012	< 0.0005	0.022	< 0.0002	0.042	3.76	< 0.0025	0.0021
	2/13/2017	1.6	190	230	0.56	6.84	770	1600	< 0.003	0.35	0.16	< 0.001	0.00093	< 0.005	0.0014	0.00079	0.019	< 0.0002	0.088	2.08	< 0.0025	0.0025
	5/4/2017	1.2	170	210	0.61	7.29	720	1500	< 0.003	0.24	0.39	0.0013	0.0023	< 0.005	0.0023	0.00066	0.016	< 0.0002	0.036	1.91	< 0.0025	0.0065
	6/22/2017	0.95	150	230	0.72	7.38	580	1600	< 0.003	0.41	0.13	< 0.001	0.0007	< 0.005	0.0012	0.0011	0.022	< 0.0002	0.11	1.21	< 0.0025	0.0022
	8/29/2017	1.4	190	230	0.64	7.19	640	1900	< 0.003	0.24	0.092	< 0.001	< 0.0005	< 0.005	< 0.001	0.00058	0.021	< 0.0002	0.13	3.32	< 0.0025	0.0025
	11/6/2017	1.7	190	240	0.62	7.27	840	1800	< 0.003	0.17	0.38	< 0.001	0.0022	< 0.005	0.0015	< 0.0005	< 0.01	< 0.0002	0.019	2.54	< 0.0025	0.0075
	5/14/2018	1.6	170	220	0.6	7.79	800	1700	< 0.003	0.42	0.17	< 0.001	0.002	< 0.005	0.0029	0.0021	0.015	< 0.0002	0.13	2.03	< 0.0025	0.0068
	8/6/2018	1.3	170	230	0.6	7.12	620	1600	< 0.003	0.087	0.055	< ^ 0.001	0.00094	< 0.005	0.0015	< 0.0005	0.019	< 0.0002	0.084	1.34	< 0.0025	0.0023
	4/29/2019	0.98	150	190	0.66	7.25	660	1500	< 0.003	0.042	0.04	< 0.001	0.00052	< 0.005	< 0.001	0.00069	0.015	< 0.0002	0.06	0.517	< 0.0025	< 0.002
	11/13/2019	1.9	230	600	0.55	7.16	730	2300	< 0.003	0.088	0.10	< 0.001	0.0015	< 0.005	0.0011	0.00093	0.021	< 0.0002	0.058	0.643	< 0.0025	0.0029
	4/27/2020	1.2	150	170	0.79	7.27	520	1300	NA	0.026	0.036	NA	< 0.0005	NA	< 0.001	0.00081	0.021	< 0.0002	0.075	0.498	< 0.0025	< 0.002
	12/7/2020	1.3	140	160	0.8	7.22	430	1100	NA	0.08	0.05	NA	0.001	NA	< 0.001	0.0011	0.022	< 0.0002	0.056	< 0.438	< 0.0025	< 0.002
	4/8/2021	1.1	140	160	0.71	7.75	480	1200	< 0.003	0.0061	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005						

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Powerton Station, Pekin, IL. Metals 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
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
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
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
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
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

ANALYTICAL REPORT

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

Laboratory Job ID: 500-209153-1
Client Project/Site: Powerton CCR MCB

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

Attn: Richard Gnat



Authorized for release by:
12/22/2021 2:20:07 PM

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

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



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Case Narrative

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

Job ID: 500-209153-1

Job ID: 500-209153-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-209153-1

Comments

No additional comments.

Receipt

The samples were received on 12/2/2021 10:25 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 1.5° C and 4.9° C.

Metals

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

General Chemistry

Methods 9038, SM 4500 SO4 E: The CCV associated with sample MW-21 (500-209153-5) recovered below the lower limit for Sulfate. The CCV recoveries were in the range of 87-89% and the lower limit is 90%. These samples were non-detect (ND) with results below the MDL (2.3 mg/L) and have been flagged reported.

Methods 9038, SM 4500 SO4 E: The low level CCVs associated with the following samples recovered slightly below (87-89%) the lower control limit of 90%: MW-15 (500-209153-1), MW-14 (500-209153-2), MW-17 (500-209153-3), MW-20 (500-209153-4), Duplicate (500-209153-6), MW-13 (500-209153-7), (500-209153-B-4 MS) and (500-209153-B-4 MSD). These sample instrument responses were at a level greater than or equal to the LCS spiking level of 20 mg/L. The LCS and high level CCVH all met criteria; therefore, data has been flagged and reported.

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: 500-209153-1

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

Protocol References:

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

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, 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: 500-209153-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-209153-1	MW-15	Water	11/29/21 15:44	12/02/21 10:25
500-209153-2	MW-14	Water	11/29/21 15:15	12/02/21 10:25
500-209153-3	MW-17	Water	11/29/21 14:47	12/02/21 10:25
500-209153-4	MW-20	Water	11/29/21 14:10	12/02/21 10:25
500-209153-5	MW-21	Water	11/29/21 11:55	12/02/21 10:25
500-209153-6	Duplicate	Water	11/29/21 00:00	12/02/21 10:25
500-209153-7	MW-13	Water	11/30/21 09:00	12/02/21 10:25

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

Client Sample Results

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

Job ID: 500-209153-1

Client Sample ID: MW-15

Lab Sample ID: 500-209153-1

Date Collected: 11/29/21 15:44

Matrix: Water

Date Received: 12/02/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:30	1
Arsenic	0.0031		0.0010		mg/L		12/21/21 10:38	12/22/21 12:30	1
Barium	0.074		0.0025		mg/L		12/21/21 10:38	12/22/21 00:30	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:30	1
Boron	1.9		0.25		mg/L		12/21/21 10:38	12/22/21 11:34	5
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:30	1
Calcium	230		0.20		mg/L		12/21/21 10:38	12/22/21 00:30	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:30	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:30	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:30	1
Lithium	0.024		0.0020		mg/L		12/21/21 10:38	12/22/21 00:30	1
Molybdenum	0.016		0.0050		mg/L		12/21/21 10:38	12/22/21 00:30	1
Selenium	0.055		0.0025		mg/L		12/21/21 10:38	12/22/21 12:30	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1700		10		mg/L			12/06/21 02:56	1
Chloride	240		20		mg/L			12/07/21 15:56	10
Fluoride	0.50		0.10		mg/L			12/12/21 14:26	1
Sulfate	450	^	100		mg/L			12/07/21 17:19	20

Client Sample ID: MW-14

Lab Sample ID: 500-209153-2

Date Collected: 11/29/21 15:15

Matrix: Water

Date Received: 12/02/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:34	1
Arsenic	0.0025		0.0010		mg/L		12/21/21 10:38	12/22/21 12:34	1
Barium	0.032		0.0025		mg/L		12/21/21 10:38	12/22/21 00:34	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:34	1
Boron	2.0		0.25		mg/L		12/21/21 10:38	12/22/21 11:37	5
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:34	1
Calcium	180		0.20		mg/L		12/21/21 10:38	12/22/21 00:34	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:34	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:34	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:34	1
Lithium	0.026		0.0020		mg/L		12/21/21 10:38	12/22/21 00:34	1
Molybdenum	0.033		0.0050		mg/L		12/21/21 10:38	12/22/21 00:34	1
Selenium	0.010		0.0025		mg/L		12/21/21 10:38	12/22/21 12:34	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:28	1

Euofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-209153-1

Client Sample ID: MW-14
Date Collected: 11/29/21 15:15
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10		mg/L			12/06/21 02:59	1
Chloride	94		10		mg/L			12/07/21 15:56	5
Fluoride	1.1		0.10		mg/L			12/12/21 14:29	1
Sulfate	480	^-	100		mg/L			12/07/21 17:20	20

Client Sample ID: MW-17
Date Collected: 11/29/21 14:47
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:37	1
Arsenic	0.0065		0.0010		mg/L		12/21/21 10:38	12/22/21 12:37	1
Barium	0.025		0.0025		mg/L		12/21/21 10:38	12/22/21 00:37	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:37	1
Boron	0.97		0.25		mg/L		12/21/21 10:38	12/22/21 11:41	5
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:37	1
Calcium	140		0.20		mg/L		12/21/21 10:38	12/22/21 00:37	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:37	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:37	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:37	1
Lithium	0.017		0.0020		mg/L		12/21/21 10:38	12/22/21 00:37	1
Molybdenum	0.038		0.0050		mg/L		12/21/21 10:38	12/22/21 00:37	1
Selenium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/22/21 12:37	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			12/06/21 03:01	1
Chloride	150		10		mg/L			12/07/21 15:56	5
Fluoride	0.72		0.10		mg/L			12/20/21 16:25	1
Sulfate	400	^-	100		mg/L			12/07/21 17:20	20

Client Sample ID: MW-20
Date Collected: 11/29/21 14:10
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:47	1
Arsenic	0.0071		0.0010		mg/L		12/21/21 10:38	12/22/21 12:41	1
Barium	0.16		0.0025		mg/L		12/21/21 10:38	12/22/21 00:47	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:47	1
Boron	1.7		0.25		mg/L		12/21/21 10:38	12/22/21 11:44	5
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:47	1
Calcium	250		0.20		mg/L		12/21/21 10:38	12/22/21 00:47	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

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

Job ID: 500-209153-1

Client Sample ID: MW-20
Date Collected: 11/29/21 14:10
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.0019		0.0010		mg/L		12/21/21 10:38	12/22/21 00:47	1
Lead	0.0024		0.00050		mg/L		12/21/21 10:38	12/22/21 00:47	1
Lithium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:47	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:47	1
Selenium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/22/21 12:41	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			12/06/21 03:04	1
Chloride	120		10		mg/L			12/07/21 15:57	5
Fluoride	0.16		0.10		mg/L			12/20/21 16:33	1
Sulfate	550	^	100		mg/L			12/07/21 17:20	20

Client Sample ID: MW-21
Date Collected: 11/29/21 11:55
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:51	1
Arsenic	0.031		0.0010		mg/L		12/21/21 10:38	12/22/21 11:48	1
Barium	0.37		0.0025		mg/L		12/21/21 10:38	12/22/21 00:51	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:51	1
Boron	0.66		0.050		mg/L		12/21/21 10:38	12/22/21 11:48	1
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:51	1
Calcium	130		0.20		mg/L		12/21/21 10:38	12/22/21 00:51	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:51	1
Cobalt	0.0015		0.0010		mg/L		12/21/21 10:38	12/22/21 00:51	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:51	1
Lithium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:51	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:51	1
Selenium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/22/21 11:48	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	660		10		mg/L			12/06/21 03:07	1
Chloride	30		2.0		mg/L			12/07/21 15:58	1
Fluoride	0.18		0.10		mg/L			12/20/21 16:37	1
Sulfate	<5.0	^	5.0		mg/L			12/07/21 17:19	1

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Client Sample Results

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

Job ID: 500-209153-1

Client Sample ID: Duplicate

Lab Sample ID: 500-209153-6

Date Collected: 11/29/21 00:00

Matrix: Water

Date Received: 12/02/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:54	1
Arsenic	0.0018		0.0010		mg/L		12/21/21 10:38	12/22/21 12:44	1
Barium	0.033		0.0025		mg/L		12/21/21 10:38	12/22/21 00:54	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:54	1
Boron	1.8		0.25		mg/L		12/21/21 10:38	12/22/21 11:51	5
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:54	1
Calcium	190		0.20		mg/L		12/21/21 10:38	12/22/21 00:54	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:54	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:54	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:54	1
Lithium	0.025		0.0020		mg/L		12/21/21 10:38	12/22/21 00:54	1
Molybdenum	0.033		0.0050		mg/L		12/21/21 10:38	12/22/21 00:54	1
Selenium	0.015		0.0025		mg/L		12/21/21 10:38	12/22/21 12:44	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1500		10		mg/L			12/06/21 03:09	1
Chloride	90		10		mg/L			12/07/21 15:58	5
Fluoride	0.97		0.10		mg/L			12/20/21 16:40	1
Sulfate	470	^	50		mg/L			12/07/21 17:21	10

Client Sample ID: MW-13

Lab Sample ID: 500-209153-7

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/22/21 00:58	1
Arsenic	0.024		0.0010		mg/L		12/21/21 10:38	12/22/21 12:48	1
Barium	0.19		0.0025		mg/L		12/21/21 10:38	12/22/21 00:58	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:58	1
Boron	3.1		0.50		mg/L		12/21/21 10:38	12/22/21 11:54	10
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:58	1
Calcium	330		2.0		mg/L		12/21/21 10:38	12/22/21 11:54	10
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/22/21 00:58	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 00:58	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/22/21 00:58	1
Lithium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:58	1
Molybdenum	0.021		0.0050		mg/L		12/21/21 10:38	12/22/21 00:58	1
Selenium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/22/21 12:48	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/22/21 00:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 09:17	1

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Client Sample Results

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

Job ID: 500-209153-1

Client Sample ID: MW-13
Date Collected: 11/30/21 09:00
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-7
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2100		10		mg/L			12/07/21 05:01	1
Chloride	120		10		mg/L			12/07/21 15:59	5
Fluoride	0.36		0.10		mg/L			12/20/21 16:43	1
Sulfate	1000	^-	250		mg/L			12/07/21 17:21	50

Definitions/Glossary

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

Job ID: 500-209153-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
^	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	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: 500-209153-1

Metals

Prep Batch: 633373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	7470A	
500-209153-2	MW-14	Total/NA	Water	7470A	
500-209153-3	MW-17	Total/NA	Water	7470A	
500-209153-4	MW-20	Total/NA	Water	7470A	
500-209153-5	MW-21	Total/NA	Water	7470A	
500-209153-6	Duplicate	Total/NA	Water	7470A	
500-209153-7	MW-13	Total/NA	Water	7470A	
MB 500-633373/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-633373/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-209153-7 MS	MW-13	Total/NA	Water	7470A	
500-209153-7 MSD	MW-13	Total/NA	Water	7470A	
500-209153-7 DU	MW-13	Total/NA	Water	7470A	

Analysis Batch: 633649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	7470A	633373
500-209153-2	MW-14	Total/NA	Water	7470A	633373
500-209153-3	MW-17	Total/NA	Water	7470A	633373
500-209153-4	MW-20	Total/NA	Water	7470A	633373
500-209153-5	MW-21	Total/NA	Water	7470A	633373
500-209153-6	Duplicate	Total/NA	Water	7470A	633373
500-209153-7	MW-13	Total/NA	Water	7470A	633373
MB 500-633373/12-A	Method Blank	Total/NA	Water	7470A	633373
LCS 500-633373/13-A	Lab Control Sample	Total/NA	Water	7470A	633373
500-209153-7 MS	MW-13	Total/NA	Water	7470A	633373
500-209153-7 MSD	MW-13	Total/NA	Water	7470A	633373
500-209153-7 DU	MW-13	Total/NA	Water	7470A	633373

Prep Batch: 634770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total Recoverable	Water	3005A	
500-209153-2	MW-14	Total Recoverable	Water	3005A	
500-209153-3	MW-17	Total Recoverable	Water	3005A	
500-209153-4	MW-20	Total Recoverable	Water	3005A	
500-209153-5	MW-21	Total Recoverable	Water	3005A	
500-209153-6	Duplicate	Total Recoverable	Water	3005A	
500-209153-7	MW-13	Total Recoverable	Water	3005A	
MB 500-634770/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-634770/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 634985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total Recoverable	Water	6020A	634770
500-209153-2	MW-14	Total Recoverable	Water	6020A	634770
500-209153-3	MW-17	Total Recoverable	Water	6020A	634770
500-209153-4	MW-20	Total Recoverable	Water	6020A	634770
500-209153-5	MW-21	Total Recoverable	Water	6020A	634770
500-209153-6	Duplicate	Total Recoverable	Water	6020A	634770
500-209153-7	MW-13	Total Recoverable	Water	6020A	634770
MB 500-634770/1-A	Method Blank	Total Recoverable	Water	6020A	634770
LCS 500-634770/2-A	Lab Control Sample	Total Recoverable	Water	6020A	634770

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QC Association Summary

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

Job ID: 500-209153-1

Metals

Analysis Batch: 635073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total Recoverable	Water	6020A	634770
500-209153-1	MW-15	Total Recoverable	Water	6020A	634770
500-209153-2	MW-14	Total Recoverable	Water	6020A	634770
500-209153-2	MW-14	Total Recoverable	Water	6020A	634770
500-209153-3	MW-17	Total Recoverable	Water	6020A	634770
500-209153-3	MW-17	Total Recoverable	Water	6020A	634770
500-209153-4	MW-20	Total Recoverable	Water	6020A	634770
500-209153-4	MW-20	Total Recoverable	Water	6020A	634770
500-209153-5	MW-21	Total Recoverable	Water	6020A	634770
500-209153-6	Duplicate	Total Recoverable	Water	6020A	634770
500-209153-6	Duplicate	Total Recoverable	Water	6020A	634770
500-209153-7	MW-13	Total Recoverable	Water	6020A	634770
500-209153-7	MW-13	Total Recoverable	Water	6020A	634770
MB 500-634770/1-A	Method Blank	Total Recoverable	Water	6020A	634770
LCS 500-634770/2-A	Lab Control Sample	Total Recoverable	Water	6020A	634770

General Chemistry

Analysis Batch: 632165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	SM 2540C	
500-209153-2	MW-14	Total/NA	Water	SM 2540C	
500-209153-3	MW-17	Total/NA	Water	SM 2540C	
500-209153-4	MW-20	Total/NA	Water	SM 2540C	
500-209153-5	MW-21	Total/NA	Water	SM 2540C	
500-209153-6	Duplicate	Total/NA	Water	SM 2540C	
MB 500-632165/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-632165/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 632355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-7	MW-13	Total/NA	Water	SM 2540C	
MB 500-632355/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-632355/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 632730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	SM 4500 CI- E	
500-209153-2	MW-14	Total/NA	Water	SM 4500 CI- E	
500-209153-3	MW-17	Total/NA	Water	SM 4500 CI- E	
500-209153-4	MW-20	Total/NA	Water	SM 4500 CI- E	
500-209153-5	MW-21	Total/NA	Water	SM 4500 CI- E	
500-209153-6	Duplicate	Total/NA	Water	SM 4500 CI- E	
500-209153-7	MW-13	Total/NA	Water	SM 4500 CI- E	
MB 500-632730/138	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-632730/139	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-209153-4 MS	MW-20	Total/NA	Water	SM 4500 CI- E	
500-209153-4 MSD	MW-20	Total/NA	Water	SM 4500 CI- E	

QC Association Summary

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

Job ID: 500-209153-1

General Chemistry

Analysis Batch: 632731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-209153-2	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-209153-3	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-209153-4	MW-20	Total/NA	Water	SM 4500 SO4 E	
500-209153-5	MW-21	Total/NA	Water	SM 4500 SO4 E	
500-209153-6	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-209153-7	MW-13	Total/NA	Water	SM 4500 SO4 E	
MB 500-632731/82	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-632731/83	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-209153-4 MS	MW-20	Total/NA	Water	SM 4500 SO4 E	
500-209153-4 MSD	MW-20	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 633284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	SM 4500 F C	
500-209153-2	MW-14	Total/NA	Water	SM 4500 F C	
MB 500-633284/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-633284/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 634708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-3	MW-17	Total/NA	Water	SM 4500 F C	
500-209153-4	MW-20	Total/NA	Water	SM 4500 F C	
500-209153-5	MW-21	Total/NA	Water	SM 4500 F C	
500-209153-6	Duplicate	Total/NA	Water	SM 4500 F C	
500-209153-7	MW-13	Total/NA	Water	SM 4500 F C	
MB 500-634708/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-634708/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-209153-3 MS	MW-17	Total/NA	Water	SM 4500 F C	
500-209153-3 MSD	MW-17	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

Job ID: 500-209153-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-634770/1-A
Matrix: Water
Analysis Batch: 634985

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 634770

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		12/21/21 10:38	12/21/21 23:25	1
Barium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/21/21 23:25	1
Beryllium	<0.0010		0.0010		mg/L		12/21/21 10:38	12/21/21 23:25	1
Cadmium	<0.00050		0.00050		mg/L		12/21/21 10:38	12/21/21 23:25	1
Calcium	<0.20		0.20		mg/L		12/21/21 10:38	12/21/21 23:25	1
Chromium	<0.0050		0.0050		mg/L		12/21/21 10:38	12/21/21 23:25	1
Cobalt	<0.0010		0.0010		mg/L		12/21/21 10:38	12/21/21 23:25	1
Lead	<0.00050		0.00050		mg/L		12/21/21 10:38	12/21/21 23:25	1
Lithium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/21/21 23:25	1
Molybdenum	<0.0050		0.0050		mg/L		12/21/21 10:38	12/21/21 23:25	1
Thallium	<0.0020		0.0020		mg/L		12/21/21 10:38	12/21/21 23:25	1

Lab Sample ID: MB 500-634770/1-A
Matrix: Water
Analysis Batch: 635073

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 634770

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		12/21/21 10:38	12/22/21 11:27	1
Boron	<0.050		0.050		mg/L		12/21/21 10:38	12/22/21 11:27	1
Selenium	<0.0025		0.0025		mg/L		12/21/21 10:38	12/22/21 11:27	1

Lab Sample ID: LCS 500-634770/2-A
Matrix: Water
Analysis Batch: 634985

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 634770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.500	0.559		mg/L		112	80 - 120
Beryllium	0.0500	0.0544		mg/L		109	80 - 120
Cadmium	0.0500	0.0533		mg/L		107	80 - 120
Calcium	10.0	10.2		mg/L		102	80 - 120
Chromium	0.200	0.218		mg/L		109	80 - 120
Cobalt	0.500	0.534		mg/L		107	80 - 120
Lead	0.100	0.108		mg/L		108	80 - 120
Lithium	0.100	0.109		mg/L		109	80 - 120
Molybdenum	1.00	1.03		mg/L		103	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: LCS 500-634770/2-A
Matrix: Water
Analysis Batch: 635073

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 634770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.04		mg/L		104	80 - 120
Selenium	0.100	0.108		mg/L		108	80 - 120

QC Sample Results

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

Job ID: 500-209153-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-633373/12-A
Matrix: Water
Analysis Batch: 633649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/13/21 09:45	12/14/21 08:17	1

Lab Sample ID: LCS 500-633373/13-A
Matrix: Water
Analysis Batch: 633649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00199		mg/L		99	80 - 120

Lab Sample ID: 500-209153-7 MS
Matrix: Water
Analysis Batch: 633649

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 633373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000956		mg/L		96	75 - 125

Lab Sample ID: 500-209153-7 MSD
Matrix: Water
Analysis Batch: 633649

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 633373

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000977		mg/L		98	75 - 125	2	20

Lab Sample ID: 500-209153-7 DU
Matrix: Water
Analysis Batch: 633649

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 633373

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

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

Lab Sample ID: MB 500-632165/1
Matrix: Water
Analysis Batch: 632165

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			12/06/21 02:18	1

Lab Sample ID: LCS 500-632165/2
Matrix: Water
Analysis Batch: 632165

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	256		mg/L		102	80 - 120

QC Sample Results

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

Job ID: 500-209153-1

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

Lab Sample ID: MB 500-632355/1
Matrix: Water
Analysis Batch: 632355

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			12/07/21 04:41	1

Lab Sample ID: LCS 500-632355/2
Matrix: Water
Analysis Batch: 632355

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	250		mg/L		100	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-632730/138
Matrix: Water
Analysis Batch: 632730

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			12/07/21 15:35	1

Lab Sample ID: LCS 500-632730/139
Matrix: Water
Analysis Batch: 632730

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	20.6		mg/L		103	85 - 115

Lab Sample ID: 500-209153-4 MS
Matrix: Water
Analysis Batch: 632730

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	120		20.0	134	4	mg/L		76	75 - 125

Lab Sample ID: 500-209153-4 MSD
Matrix: Water
Analysis Batch: 632730

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	120		20.0	135	4	mg/L		78	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-633284/31
Matrix: Water
Analysis Batch: 633284

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			12/12/21 13:46	1

QC Sample Results

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

Job ID: 500-209153-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-633284/32
Matrix: Water
Analysis Batch: 633284

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	11.3		mg/L		113	90 - 119

Lab Sample ID: MB 500-634708/3
Matrix: Water
Analysis Batch: 634708

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			12/20/21 16:19	1

Lab Sample ID: LCS 500-634708/4
Matrix: Water
Analysis Batch: 634708

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	10.9		mg/L		109	90 - 119

Lab Sample ID: 500-209153-3 MS
Matrix: Water
Analysis Batch: 634708

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
Fluoride	0.72		5.00	5.89		mg/L		103	75 - 125

Lab Sample ID: 500-209153-3 MSD
Matrix: Water
Analysis Batch: 634708

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
Fluoride	0.72		5.00	5.95		mg/L		105	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-632731/82
Matrix: Water
Analysis Batch: 632731

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			12/07/21 17:17	1

Lab Sample ID: LCS 500-632731/83
Matrix: Water
Analysis Batch: 632731

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	20.7	^	mg/L		104	88 - 123

QC Sample Results

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

Job ID: 500-209153-1

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

Lab Sample ID: 500-209153-4 MS
Matrix: Water
Analysis Batch: 632731

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	550	^	20.0	561	4 ^-	mg/L		34	75 - 125

Lab Sample ID: 500-209153-4 MSD
Matrix: Water
Analysis Batch: 632731

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	550	^	20.0	572	4 ^-	mg/L		91	75 - 125	2	20



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

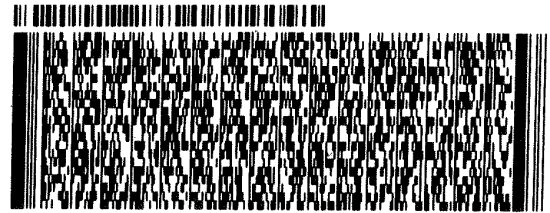
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BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 04/22

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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



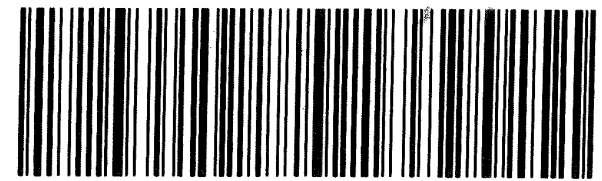
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0263
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THU - 02 DEC 4:30P
** 2DAY **

TT JOTA

49

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IL-US ORD



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

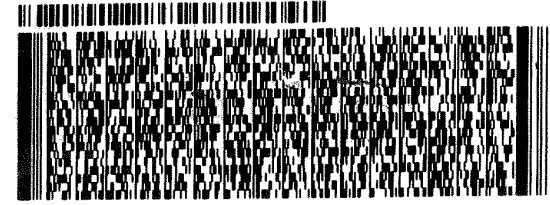
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ACTWGT: 42.50 LB
CAD: 6994779/SSFE2220
DIMS: 24x18x12 IN
BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 04/22

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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



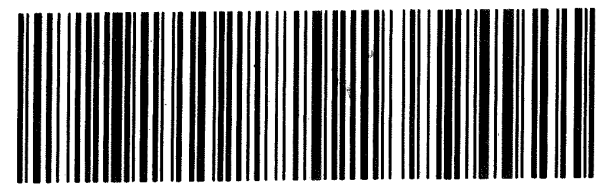
1 of 4
TRK# 2868 3527 8397
0201
MASTER

THU - 02 DEC 4:30P
** 2DAY **

TT JOTA

1.5

60484
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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-209153-1

Login Number: 209153

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.9,1.5
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: 500-209153-1

Client Sample ID: MW-15
Date Collected: 11/29/21 15:44
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:30	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	635073	12/22/21 11:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:30	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 08:26	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 02:56	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	632730	12/07/21 15:56	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633284	12/12/21 14:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	632731	12/07/21 17:19	RES	TAL CHI

Client Sample ID: MW-14
Date Collected: 11/29/21 15:15
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	635073	12/22/21 11:37	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:34	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 08:28	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 02:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	632730	12/07/21 15:56	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633284	12/12/21 14:29	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	632731	12/07/21 17:20	RES	TAL CHI

Client Sample ID: MW-17
Date Collected: 11/29/21 14:47
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:37	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	635073	12/22/21 11:41	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:37	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 08:30	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-209153-1

Client Sample ID: MW-17

Lab Sample ID: 500-209153-3

Date Collected: 11/29/21 14:47

Matrix: Water

Date Received: 12/02/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 03:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	632730	12/07/21 15:56	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	634708	12/20/21 16:25	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	632731	12/07/21 17:20	RES	TAL CHI

Client Sample ID: MW-20

Lab Sample ID: 500-209153-4

Date Collected: 11/29/21 14:10

Matrix: Water

Date Received: 12/02/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:47	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	635073	12/22/21 11:44	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:41	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 08:32	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 03:04	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	632730	12/07/21 15:57	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	634708	12/20/21 16:33	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	632731	12/07/21 17:20	RES	TAL CHI

Client Sample ID: MW-21

Lab Sample ID: 500-209153-5

Date Collected: 11/29/21 11:55

Matrix: Water

Date Received: 12/02/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:51	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 11:48	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 08:34	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 03:07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	632730	12/07/21 15:58	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	634708	12/20/21 16:37	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		1	632731	12/07/21 17:19	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-209153-1

Client Sample ID: Duplicate

Lab Sample ID: 500-209153-6

Date Collected: 11/29/21 00:00

Matrix: Water

Date Received: 12/02/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:54	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		5	635073	12/22/21 11:51	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:44	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 09:15	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632165	12/06/21 03:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	632730	12/07/21 15:58	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	634708	12/20/21 16:40	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	632731	12/07/21 17:21	RES	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-209153-7

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	634985	12/22/21 00:58	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	635073	12/22/21 11:54	FXG	TAL CHI
Total Recoverable	Prep	3005A			634770	12/21/21 10:38	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	635073	12/22/21 12:48	FXG	TAL CHI
Total/NA	Prep	7470A			633373	12/13/21 09:45	MJG	TAL CHI
Total/NA	Analysis	7470A		1	633649	12/14/21 09:17	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	632355	12/07/21 05:01	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	632730	12/07/21 15:59	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	634708	12/20/21 16:43	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	632731	12/07/21 17:21	RES	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, 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: 500-209153-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-209153-2
Client Project/Site: Powerton CCR MCB

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

Attn: Richard Gnat



Authorized for release by:
1/13/2022 1:16:42 PM
Robin Kintz, Project Manager II
(708)534-5200
Robin.Kintz@Eurofinset.com

Designee for
Diana Mockler, Project Manager I
(219)252-7570
Diana.Mockler@Eurofinset.com

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

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



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Case Narrative

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

Job ID: 500-209153-2

Job ID: 500-209153-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-209153-2

Comments

No additional comments.

Receipt

The samples were received on 12/2/2021 10:25 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 1.5° C and 4.9° C.

RAD

Method 903.0: Radium 226 batch 542574

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 (500-209153-1), MW-14 (500-209153-2), MW-17 (500-209153-3), MW-20 (500-209153-4), MW-21 (500-209153-5), Duplicate (500-209153-6), MW-13 (500-209153-7), (LCS 160-542574/1-A), (MB 160-542574/17-A) and (500-209153-D-6-A DU)

Method 904.0: Radium 228 batch 542579

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 (500-209153-1), MW-14 (500-209153-2), MW-17 (500-209153-3), MW-20 (500-209153-4), MW-21 (500-209153-5), Duplicate (500-209153-6), MW-13 (500-209153-7), (LCS 160-542579/1-A), (MB 160-542579/17-A) and (500-209153-D-6-B DU)

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



Method Summary

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

Job ID: 500-209153-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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



Sample Summary

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

Job ID: 500-209153-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-209153-1	MW-15	Water	11/29/21 15:44	12/02/21 10:25
500-209153-2	MW-14	Water	11/29/21 15:15	12/02/21 10:25
500-209153-3	MW-17	Water	11/29/21 14:47	12/02/21 10:25
500-209153-4	MW-20	Water	11/29/21 14:10	12/02/21 10:25
500-209153-5	MW-21	Water	11/29/21 11:55	12/02/21 10:25
500-209153-6	Duplicate	Water	11/29/21 00:00	12/02/21 10:25
500-209153-7	MW-13	Water	11/30/21 09:00	12/02/21 10:25

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Client Sample Results

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

Job ID: 500-209153-2

Client Sample ID: MW-15

Lab Sample ID: 500-209153-1

Date Collected: 11/29/21 15:44

Matrix: Water

Date Received: 12/02/21 10:25

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.159		0.0832	0.0844	1.00	0.104	pCi/L	12/17/21 13:15	01/10/22 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					12/17/21 13:15	01/10/22 20:24	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.353	U	0.215	0.215	1.00	0.353	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	85.6		40 - 110					12/17/21 13:42	12/22/21 13:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.353	U	0.231	0.231	5.00	0.353	pCi/L		01/12/22 18:50	1

Client Sample ID: MW-14

Lab Sample ID: 500-209153-2

Date Collected: 11/29/21 15:15

Matrix: Water

Date Received: 12/02/21 10:25

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.0993	U	0.0634	0.0636	1.00	0.0993	pCi/L	12/17/21 13:15	01/10/22 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		40 - 110					12/17/21 13:15	01/10/22 20:24	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.442	U	0.262	0.262	1.00	0.442	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	82.2		40 - 110					12/17/21 13:42	12/22/21 13:17	1

Client Sample Results

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

Job ID: 500-209153-2

Client Sample ID: MW-14
Date Collected: 11/29/21 15:15
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-2
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.442	U	0.270	0.270	5.00	0.442	pCi/L		01/12/22 18:50	1

Client Sample ID: MW-17
Date Collected: 11/29/21 14:47
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-3
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.118		0.0695	0.0703	1.00	0.0896	pCi/L	12/17/21 13:15	01/10/22 20:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		40 - 110					12/17/21 13:15	01/10/22 20:24	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.388	U	0.220	0.220	1.00	0.388	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	84.5		40 - 110					12/17/21 13:42	12/22/21 13:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.388	U	0.231	0.231	5.00	0.388	pCi/L		01/12/22 18:50	1

Client Sample ID: MW-20
Date Collected: 11/29/21 14:10
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-4
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.218		0.127	0.129	1.00	0.170	pCi/L	12/17/21 13:15	01/10/22 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					12/17/21 13:15	01/10/22 20:25	1

Client Sample Results

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

Job ID: 500-209153-2

Client Sample ID: MW-20

Lab Sample ID: 500-209153-4

Date Collected: 11/29/21 14:10

Matrix: Water

Date Received: 12/02/21 10:25

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.639	U	0.330	0.331	1.00	0.639	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	84.5		40 - 110					12/17/21 13:42	12/22/21 13:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.639	U	0.354	0.355	5.00	0.639	pCi/L		01/12/22 18:50	1

Client Sample ID: MW-21

Lab Sample ID: 500-209153-5

Date Collected: 11/29/21 11:55

Matrix: Water

Date Received: 12/02/21 10:25

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.179	U	0.124	0.125	1.00	0.179	pCi/L	12/17/21 13:15	01/10/22 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		40 - 110					12/17/21 13:15	01/10/22 20:25	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.747	U	0.422	0.422	1.00	0.747	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.9		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	84.5		40 - 110					12/17/21 13:42	12/22/21 13:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.747	U	0.440	0.440	5.00	0.747	pCi/L		01/12/22 18:50	1

Client Sample Results

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

Job ID: 500-209153-2

Client Sample ID: Duplicate

Lab Sample ID: 500-209153-6

Date Collected: 11/29/21 00:00

Matrix: Water

Date Received: 12/02/21 10:25

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.120	U	0.0759	0.0761	1.00	0.120	pCi/L	12/17/21 13:15	01/10/22 20:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		40 - 110					12/17/21 13:15	01/10/22 20:25	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.545	U	0.336	0.337	1.00	0.545	pCi/L	12/17/21 13:42	12/22/21 13:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		40 - 110					12/17/21 13:42	12/22/21 13:17	1
Y Carrier	81.1		40 - 110					12/17/21 13:42	12/22/21 13:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	<0.545	U	0.344	0.345	5.00	0.545	pCi/L		01/12/22 18:50	1

Client Sample ID: MW-13

Lab Sample ID: 500-209153-7

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 12/02/21 10:25

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.151	U	0.0976	0.0980	1.00	0.151	pCi/L	12/17/21 13:15	01/10/22 20:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		40 - 110					12/17/21 13:15	01/10/22 20:29	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.557	U	0.365	0.368	1.00	0.557	pCi/L	12/17/21 13:42	12/22/21 13:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		40 - 110					12/17/21 13:42	12/22/21 13:21	1
Y Carrier	84.1		40 - 110					12/17/21 13:42	12/22/21 13:21	1

Client Sample Results

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

Job ID: 500-209153-2

Client Sample ID: MW-13
Date Collected: 11/30/21 09:00
Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-7
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.635		0.378	0.381	5.00	0.557	pCi/L		01/12/22 18:50	1

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Definitions/Glossary

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

Job ID: 500-209153-2

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

Job ID: 500-209153-2

Rad

Prep Batch: 542574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	PrecSep-21	
500-209153-2	MW-14	Total/NA	Water	PrecSep-21	
500-209153-3	MW-17	Total/NA	Water	PrecSep-21	
500-209153-4	MW-20	Total/NA	Water	PrecSep-21	
500-209153-5	MW-21	Total/NA	Water	PrecSep-21	
500-209153-6	Duplicate	Total/NA	Water	PrecSep-21	
500-209153-7	MW-13	Total/NA	Water	PrecSep-21	
MB 160-542574/17-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-542574/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-209153-6 DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 542579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-209153-1	MW-15	Total/NA	Water	PrecSep_0	
500-209153-2	MW-14	Total/NA	Water	PrecSep_0	
500-209153-3	MW-17	Total/NA	Water	PrecSep_0	
500-209153-4	MW-20	Total/NA	Water	PrecSep_0	
500-209153-5	MW-21	Total/NA	Water	PrecSep_0	
500-209153-6	Duplicate	Total/NA	Water	PrecSep_0	
500-209153-7	MW-13	Total/NA	Water	PrecSep_0	
MB 160-542579/17-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-542579/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-209153-6 DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-209153-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-542574/17-A
Matrix: Water
Analysis Batch: 545650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542574

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.0922	U	0.0486	0.0487	1.00	0.0922	pCi/L	12/17/21 13:15	01/10/22 22:15	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	40 - 110				12/17/21 13:15		01/10/22 22:15	
	96.8								1	

Lab Sample ID: LCS 160-542574/1-A
Matrix: Water
Analysis Batch: 545650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542574

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
				Uncert. (2σ+/-)						
Radium-226	11.3	10.56		1.09	1.00	0.117	pCi/L	93	75 - 125	
Carrier	LCS	LCS	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	87.6									

Lab Sample ID: 500-209153-6 DU
Matrix: Water
Analysis Batch: 545649

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 542574

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	<0.120	U	0.1661		0.0962	1.00	0.126	pCi/L	0.54	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier	40 - 110							
	73.4									

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-542579/17-A
Matrix: Water
Analysis Batch: 543295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542579

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.377	U	0.229	0.230	1.00	0.377	pCi/L	12/17/21 13:42	12/22/21 13:23	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	40 - 110				12/17/21 13:42		12/22/21 13:23	
	96.8								1	
Y Carrier	85.2		40 - 110				12/17/21 13:42		12/22/21 13:23	
									1	

QC Sample Results

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

Job ID: 500-209153-2

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

Lab Sample ID: LCS 160-542579/1-A
Matrix: Water
Analysis Batch: 543309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542579

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	
Radium-228	9.03	9.733		1.15	1.00	0.383	pCi/L	108	75	125
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.6		40 - 110							
Y Carrier	83.0		40 - 110							

Lab Sample ID: 500-209153-6 DU
Matrix: Water
Analysis Batch: 543295

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 542579


Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
										1
Radium-228	<0.545	U	<0.503	U	0.315	1.00	0.503	pCi/L	0	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	73.4		40 - 110							
Y Carrier	81.1		40 - 110							

Eurofins TestAmerica, Chicago

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

Chain of Custody Record

eurofins Environment Testing
America

Client Information		Sampler: <u>Mitchel Dolan</u>		Lab PM: <u>Mockler Diana J</u>		Carrier Tracking No(s)		COC No: <u>500-95913-42420 1</u>					
Client Contact: <u>Mitchel Dolan</u>		Phone: <u>262-622-1143</u>		E-Mail: <u>Diana.Mockler@Eurofinset.com</u>		State of Origin: <u>IL</u>		Page: <u>Page 1 of 1</u>					
Company: <u>KPRG and Associates Inc</u>		PWSID:		Analysis Requested						Job #: <u>500-209153</u>			
Address: <u>14665 West Lisbon Road Suite 1A</u>		Due Date Requested		 <p>500-209153 COC</p>						Preservation Codes			
City: <u>Brookfield</u>		TAT Requested (days)								A HCL		M Hexane	
State, Zip: <u>WI 53005</u>		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								B NaOH		N None	
Phone: <u>262 781-0475(Tel)</u>		PO #: <u>4502051132</u>								C Zn Acetate		O AsNaO2	
Email: <u>mitcheld@kprginc.com</u>		WO#:								D Nitric Acid		P Na2O4S	
Project Name: <u>Powerton CCR MCB</u>		Project #: <u>50018578</u>								E NaHSO4		Q Na2SO3	
Site: <u>Powerton Station</u>		SSOW#:								F MeOH		R Na2S2O3	
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		Special Instructions/Note	
1 MW 15		11/29/21		1544		G		Water					
2 MW 14		11/29/21		1515		G		Water					
3 MW 17		11/29/21		1447		G		Water					
4 MW-20		11/29/21		1410		G		Water					
5 MW-21		11/29/21		1155		G		Water					
6 Duplicate		11/29/21		-		G		Water					
7 MW-13		11/30/21		0900		G		Water					
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements											
Empty Kit Relinquished by		Date		Time		Method of Shipment:							
Relinquished by: <u>Mitchel Dolan</u>		Date/Time: <u>11/30/21 / 1300</u>		Company: <u>KPRG</u>		Received by: <u>FEDEX</u>		Date/Time: <u>11/30/21 / 1300</u>		Company: <u>FEDEX</u>			
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>12/2/21 1025</u>		Company: <u>ETA-CHI</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>4.9, 15</u>									

Ver: 06/08.2021

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

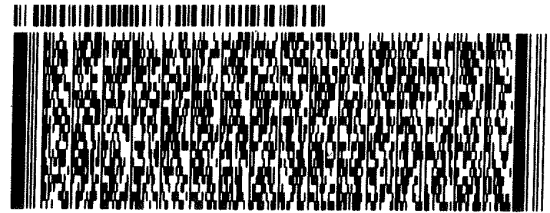
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ACTWGT: 42.50 LB
CAD: 6994779/SSFE2220
DIMS: 24x18x12 IN
BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 04/22

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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



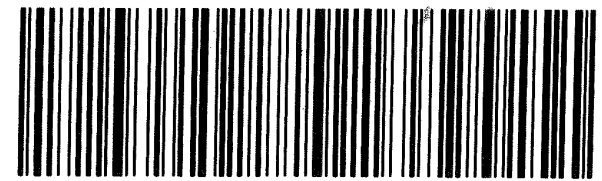
3 of 4
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0263
Mstr# 2868 3527 8397
0201

THU - 02 DEC 4:30P
** 2DAY **

TT JOTA

49

60484
IL-US ORD



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

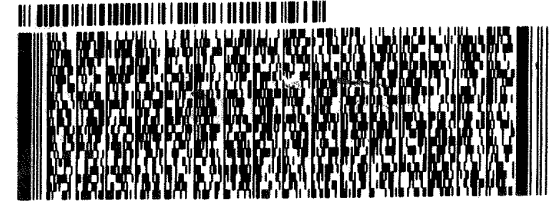
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ACTWGT: 42.50 LB
CAD: 6994779/SSFE2220
DIMS: 24x18x12 IN
BILL THIRD PARTY

Part # 156297-435 RRDW2 EXP 04/22

TO **SAMPLE RECEIVING**
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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



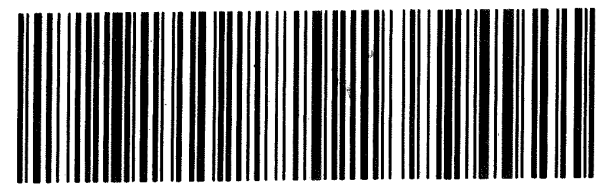
1 of 4
TRK# 2868 3527 8397
0201
MASTER

THU - 02 DEC 4:30P
** 2DAY **

TT JOTA

1.5

60484
IL-US ORD



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-155059-1
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofinset.com	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		State of Origin: Illinois	Job #: 500-209153-2
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois	
City: Earth City		Analysis Requested	
State, Zip: MO, 63045		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Other: Total Number of Containers	
Email: PO #:		Field Filtered Sample (Yes or No)	
WO #:		Perform MS/MSD (Yes or No)	
Project #: 50018578		903.0/PreSep_21 Standard Target List	
Site: Powerton CCR MCB		904.0/PreSep_0 Standard Target List	
SSOW#:		R226Ra228_GFPc	
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:	
MW-15 (500-209153-1)	Sample Date: 11/29/21	Sample Time: 15:44 Central	Sample Type (C=Comp, G=grab)
MW-14 (500-209153-2)	Sample Date: 11/29/21	Sample Time: 15:15 Central	Matrix (Water, Spiked, Urine, Tissue, A-M)
MW-17 (500-209153-3)	Sample Date: 11/29/21	Sample Time: 14:47 Central	Preservation Code:
MW-20 (500-209153-4)	Sample Date: 11/29/21	Sample Time: 14:10 Central	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-21 (500-209153-5)	Sample Date: 11/29/21	Sample Time: 11:55 Central	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
Duplicate (500-209153-6)	Sample Date: 11/29/21	Sample Time: 09:00 Central	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-13 (500-209153-7)	Sample Date: 11/30/21	Sample Time: 09:00 Central	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs

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

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: *[Signature]* Date/Time: 12/2/21 15:10 Company: *[Signature]*
 Relinquished by: *[Signature]* Date/Time: _____ Company: _____
 Relinquished by: *[Signature]* Date/Time: _____ Company: _____

Custody Seals Intact: Yes No
 Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: _____

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

Received by: *[Signature]* Date/Time: _____ Company: _____
 Received by: *[Signature]* Date/Time: DEC 03 2021 1010 Company: *[Signature]*
 Received by: Autumn R. JOHNSON Date/Time: _____ Company: _____
 Cooler Temperature(s) °C and Other Remarks: _____



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-209153-2

Login Number: 209153

List Number: 1

Creator: Hernandez, Stephanie

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	4.9,1.5
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: 500-209153-2

Login Number: 209153

List Number: 2

Creator: Johnson, Autumn R

List Source: Eurofins St. Louis

List Creation: 12/03/21 02:12 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

Job ID: 500-209153-2

Client Sample ID: MW-15

Date Collected: 11/29/21 15:44

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545648	01/10/22 20:24	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Client Sample ID: MW-14

Date Collected: 11/29/21 15:15

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545648	01/10/22 20:24	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Client Sample ID: MW-17

Date Collected: 11/29/21 14:47

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545648	01/10/22 20:24	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Client Sample ID: MW-20

Date Collected: 11/29/21 14:10

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545648	01/10/22 20:25	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-209153-2

Client Sample ID: MW-21

Date Collected: 11/29/21 11:55

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545648	01/10/22 20:25	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Client Sample ID: Duplicate

Date Collected: 11/29/21 00:00

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545649	01/10/22 20:25	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543309	12/22/21 13:17	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Client Sample ID: MW-13

Date Collected: 11/30/21 09:00

Date Received: 12/02/21 10:25

Lab Sample ID: 500-209153-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			542574	12/17/21 13:15	LPS	TAL SL
Total/NA	Analysis	903.0		1	545650	01/10/22 20:29	FLC	TAL SL
Total/NA	Prep	PrecSep_0			542579	12/17/21 13:42	LPS	TAL SL
Total/NA	Analysis	904.0		1	543295	12/22/21 13:21	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	546048	01/12/22 18:50	EMH	TAL SL

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-209153-2

Laboratory: Eurofins St. Louis

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

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

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Tracer/Carrier Summary

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

Job ID: 500-209153-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (40-110)
500-209153-1	MW-15	90.5
500-209153-2	MW-14	86.6
500-209153-3	MW-17	91.8
500-209153-4	MW-20	81.8
500-209153-5	MW-21	72.9
500-209153-6	Duplicate	76.4
500-209153-6 DU	Duplicate	73.4
500-209153-7	MW-13	74.9
LCS 160-542574/1-A	Lab Control Sample	87.6
MB 160-542574/17-A	Method Blank	96.8

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-209153-1	MW-15	90.5	85.6
500-209153-2	MW-14	86.6	82.2
500-209153-3	MW-17	91.8	84.5
500-209153-4	MW-20	81.8	84.5
500-209153-5	MW-21	72.9	84.5
500-209153-6	Duplicate	76.4	81.1
500-209153-6 DU	Duplicate	73.4	81.1
500-209153-7	MW-13	74.9	84.1
LCS 160-542579/1-A	Lab Control Sample	87.6	83.0
MB 160-542579/17-A	Method Blank	96.8	85.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

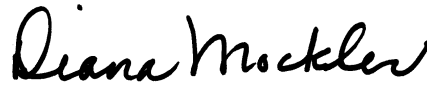
ANALYTICAL REPORT

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

Laboratory Job ID: 500-210615-1
Client Project/Site: Powerton CCR MCB

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

Attn: Richard Gnat



Authorized for release by:
1/18/2022 10:02:03 AM

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

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

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



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Case Narrative

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

Job ID: 500-210615-1

Job ID: 500-210615-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-210615-1**

Comments

No additional comments.

Receipt

The sample was received on 1/6/2022 4:00 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0° C.

Metals

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: Due to the high concentration of Sulfate the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-637524 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. (500-210615-C-1 MS) and (500-210615-C-1 MSD)

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



Method Summary

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

Job ID: 500-210615-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-210615-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-210615-1	MW-13	Water	01/06/22 13:31	01/06/22 16:00

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Client Sample Results

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

Job ID: 500-210615-1

Client Sample ID: MW-13

Lab Sample ID: 500-210615-1

Date Collected: 01/06/22 13:31

Matrix: Water

Date Received: 01/06/22 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		01/10/22 08:35	01/10/22 17:09	1
Arsenic	0.028		0.0010		mg/L		01/10/22 08:35	01/10/22 17:09	1
Barium	0.25		0.0025		mg/L		01/10/22 08:35	01/10/22 17:09	1
Beryllium	<0.0010		0.0010		mg/L		01/10/22 08:35	01/10/22 17:09	1
Boron	3.1		0.50		mg/L		01/10/22 08:35	01/11/22 14:38	10
Cadmium	<0.00050		0.00050		mg/L		01/10/22 08:35	01/10/22 17:09	1
Calcium	280		2.0		mg/L		01/10/22 08:35	01/11/22 14:38	10
Chromium	<0.0050		0.0050		mg/L		01/10/22 08:35	01/10/22 17:09	1
Cobalt	<0.0010		0.0010		mg/L		01/10/22 08:35	01/10/22 17:09	1
Lead	0.00055		0.00050		mg/L		01/10/22 08:35	01/10/22 17:09	1
Lithium	<0.0020		0.0020		mg/L		01/10/22 08:35	01/12/22 15:32	1
Molybdenum	0.022		0.0050		mg/L		01/10/22 08:35	01/10/22 17:09	1
Selenium	<0.0025		0.0025		mg/L		01/10/22 08:35	01/10/22 17:09	1
Thallium	<0.0020		0.0020		mg/L		01/10/22 08:35	01/10/22 17:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		01/13/22 10:10	01/14/22 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2000		10		mg/L			01/12/22 04:37	1
Chloride	120		10		mg/L			01/11/22 14:12	5
Fluoride	0.40		0.10		mg/L			01/11/22 11:26	1
Sulfate	950		250		mg/L			01/12/22 16:59	50

Definitions/Glossary

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

Job ID: 500-210615-1

Qualifiers

General Chemistry

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

Glossary

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

QC Association Summary

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

Job ID: 500-210615-1

Metals

Prep Batch: 637092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total Recoverable	Water	3005A	
MB 500-637092/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-637092/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 637283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total Recoverable	Water	6020A	637092
MB 500-637092/1-A	Method Blank	Total Recoverable	Water	6020A	637092
LCS 500-637092/2-A	Lab Control Sample	Total Recoverable	Water	6020A	637092

Analysis Batch: 637350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total Recoverable	Water	6020A	637092
MB 500-637092/1-A	Method Blank	Total Recoverable	Water	6020A	637092
LCS 500-637092/2-A	Lab Control Sample	Total Recoverable	Water	6020A	637092

Analysis Batch: 637630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total Recoverable	Water	6020A	637092
MB 500-637092/1-A	Method Blank	Total Recoverable	Water	6020A	637092
LCS 500-637092/2-A	Lab Control Sample	Total Recoverable	Water	6020A	637092

Prep Batch: 637646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	7470A	
MB 500-637646/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-637646/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 637858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	7470A	637646
MB 500-637646/12-A	Method Blank	Total/NA	Water	7470A	637646
LCS 500-637646/13-A	Lab Control Sample	Total/NA	Water	7470A	637646

General Chemistry

Analysis Batch: 637323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	SM 4500 F C	
MB 500-637323/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-637323/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 637348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	SM 4500 CI- E	
MB 500-637348/56	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-637348/57	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 637374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-210615-1

General Chemistry (Continued)

Analysis Batch: 637374 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-637374/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-637374/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 637524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-210615-1	MW-13	Total/NA	Water	SM 4500 SO4 E	
MB 500-637524/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-637524/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-210615-1 MS	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-210615-1 MSD	MW-13	Total/NA	Water	SM 4500 SO4 E	

QC Sample Results

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

Job ID: 500-210615-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-637092/1-A
Matrix: Water
Analysis Batch: 637283

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637092

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		01/10/22 08:35	01/10/22 16:24	1
Arsenic	<0.0010		0.0010		mg/L		01/10/22 08:35	01/10/22 16:24	1
Barium	<0.0025		0.0025		mg/L		01/10/22 08:35	01/10/22 16:24	1
Beryllium	<0.0010		0.0010		mg/L		01/10/22 08:35	01/10/22 16:24	1
Cadmium	<0.00050		0.00050		mg/L		01/10/22 08:35	01/10/22 16:24	1
Chromium	<0.0050		0.0050		mg/L		01/10/22 08:35	01/10/22 16:24	1
Cobalt	<0.0010		0.0010		mg/L		01/10/22 08:35	01/10/22 16:24	1
Lead	<0.00050		0.00050		mg/L		01/10/22 08:35	01/10/22 16:24	1
Molybdenum	<0.0050		0.0050		mg/L		01/10/22 08:35	01/10/22 16:24	1
Selenium	<0.0025		0.0025		mg/L		01/10/22 08:35	01/10/22 16:24	1
Thallium	<0.0020		0.0020		mg/L		01/10/22 08:35	01/10/22 16:24	1

Lab Sample ID: MB 500-637092/1-A
Matrix: Water
Analysis Batch: 637350

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637092

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		01/10/22 08:35	01/11/22 14:31	1
Calcium	<0.20		0.20		mg/L		01/10/22 08:35	01/11/22 14:31	1

Lab Sample ID: MB 500-637092/1-A
Matrix: Water
Analysis Batch: 637630

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637092

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lithium	<0.0020		0.0020		mg/L		01/10/22 08:35	01/12/22 15:25	1

Lab Sample ID: LCS 500-637092/2-A
Matrix: Water
Analysis Batch: 637283

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637092

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Antimony	0.500	0.490		mg/L		98	80 - 120
Arsenic	0.100	0.0969		mg/L		97	80 - 120
Barium	2.00	1.95		mg/L		98	80 - 120
Beryllium	0.0500	0.0524		mg/L		105	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.200	0.209		mg/L		105	80 - 120
Cobalt	0.500	0.517		mg/L		103	80 - 120
Lead	0.100	0.110		mg/L		110	80 - 120
Molybdenum	1.00	0.973		mg/L		97	80 - 120
Selenium	0.100	0.0986		mg/L		99	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120

QC Sample Results

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

Job ID: 500-210615-1

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

Lab Sample ID: LCS 500-637092/2-A
Matrix: Water
Analysis Batch: 637350

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637092

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.00	1.01		mg/L		101	80 - 120
Calcium	10.0	10.0		mg/L		100	80 - 120

Lab Sample ID: LCS 500-637092/2-A
Matrix: Water
Analysis Batch: 637630

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637092

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

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-637646/12-A
Matrix: Water
Analysis Batch: 637858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		01/13/22 10:10	01/14/22 09:04	1

Lab Sample ID: LCS 500-637646/13-A
Matrix: Water
Analysis Batch: 637858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00206		mg/L		103	80 - 120

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

Lab Sample ID: MB 500-637374/1
Matrix: Water
Analysis Batch: 637374

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			01/12/22 04:19	1

Lab Sample ID: LCS 500-637374/2
Matrix: Water
Analysis Batch: 637374

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	250	248		mg/L		99	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-637348/56
Matrix: Water
Analysis Batch: 637348

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			01/11/22 14:08	1

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QC Sample Results

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

Job ID: 500-210615-1

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

Lab Sample ID: LCS 500-637348/57
Matrix: Water
Analysis Batch: 637348

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	20.4		mg/L		102	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-637323/3
Matrix: Water
Analysis Batch: 637323

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			01/11/22 10:40	1

Lab Sample ID: LCS 500-637323/4
Matrix: Water
Analysis Batch: 637323

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	10.9		mg/L		109	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-637524/15
Matrix: Water
Analysis Batch: 637524

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			01/12/22 16:57	1

Lab Sample ID: LCS 500-637524/16
Matrix: Water
Analysis Batch: 637524

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	20.3		mg/L		101	88 - 123

Lab Sample ID: 500-210615-1 MS
Matrix: Water
Analysis Batch: 637524

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	950		20.0	967	4	mg/L		106	75 - 125

Lab Sample ID: 500-210615-1 MSD
Matrix: Water
Analysis Batch: 637524

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	950		20.0	949	4	mg/L		15	75 - 125	2	20

Eurofins Chicago

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-210615-1

Login Number: 210615

List Number: 1

Creator: Hernandez, Stephanie

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	1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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: 500-210615-1

Client Sample ID: MW-13

Lab Sample ID: 500-210615-1

Date Collected: 01/06/22 13:31

Matrix: Water

Date Received: 01/06/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			637092	01/10/22 08:35	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	637283	01/10/22 17:09	FXG	TAL CHI
Total Recoverable	Prep	3005A			637092	01/10/22 08:35	BDE	TAL CHI
Total Recoverable	Analysis	6020A		10	637350	01/11/22 14:38	FXG	TAL CHI
Total Recoverable	Prep	3005A			637092	01/10/22 08:35	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	637630	01/12/22 15:32	FXG	TAL CHI
Total/NA	Prep	7470A			637646	01/13/22 10:10	MJG	TAL CHI
Total/NA	Analysis	7470A		1	637858	01/14/22 09:08	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	637374	01/12/22 04:37	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	637348	01/11/22 14:12	PFK	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	637323	01/11/22 11:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	637524	01/12/22 16:59	PFK	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-210615-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

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