

DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

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

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 2nd quarter 2024 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-01 up-gradient	11/16/2015	1.0	98	44	0.17	7.07	93	530	< 0.003	< 0.001	0.057	^ < 0.001	< 0.0005	< 0.005	< 0.001	* < 0.0005	< 0.01	< 0.0002	< 0.0050	0.744	< 0.0025	* < 0.002
	2/25/2016	0.2	110	42	0.16	7.23	54	460	< 0.003	0.0025	0.053	< 0.001	< 0.0005	< 0.005	0.0014	0.0019	< 0.01	< 0.0002	< 0.005	< 0.722	0.0029	< 0.002
	5/20/2016	0.34	100	44	0.17	6.95	65	430	< 0.003	0.0081	0.062	< 0.001	< 0.0005	0.007	0.0053	0.011	< 0.01	< 0.0002	< 0.005	< 0.953	< 0.0025	< 0.002
	8/17/2016	0.27	78	39	0.25	7.16	50	530	< 0.003	0.0014	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	0.0014	< 0.01	< 0.0002	0.0057	< 0.491	< 0.0025	< 0.002
	11/16/2016	0.18	97	39	0.21	7.22	32	500	< 0.003	0.0051	0.056	< 0.001	< 0.0005	< 0.005	0.0044	0.0082	< 0.01	< 0.0002	0.0059	< 0.618	< 0.0025	< 0.002
	2/14/2017	0.18	120	55	0.17	7.30	60	550	< 0.003	0.0041	0.056	< 0.001	< 0.0005	< 0.005	0.0045	0.0076	< 0.01	< 0.0002	0.0056	< 0.837	< 0.0025	< 0.002
	5/3/2017	0.19	86	66	0.16	7.41	45	460	< 0.003	0.0015	0.045	< 0.001	< 0.0005	< 0.005	0.0033	0.0067	< 0.01	< 0.0002	< 0.005	0.574	< 0.0025	< 0.002
	6/21/2017	0.18	85	58	0.18	7.60	47	540	< 0.003	< 0.001	0.040	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0061	< 0.418	< 0.0025	< 0.002
	8/25/2017	0.56	86	41	0.18	7.41	63	490	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0059	0.775	< 0.0025	< 0.002
	11/8/2017	0.57	130	38	0.12	6.69	61	640	< 0.003	< 0.001	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.343	< 0.0025	< 0.002
	5/17/2018	0.15	88	50	0.12	6.70	48	540	< 0.003	< 0.001	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	0.00068	< 0.01	< 0.0002	< 0.005	< 0.396	< 0.0025	< 0.002
	8/8/2018	0.14	86	48	0.13	6.80	43	430	< 0.003	< 0.001	0.051	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.579	< 0.0025	< 0.002
	4/30/2019	0.07	78	54	0.17	7.20	27	450	< 0.003	0.0014	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	0.0017	< 0.01	< 0.0002	< 0.005	< 0.656	< 0.0025	< 0.002
	8/26/2019	0.57	100	39	0.13	7.15	71	550	< 0.003	< 0.001	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.802	< 0.0025	< 0.002
	2/24/2020	0.28	87	53	0.21	7.19	34	410	< 0.003	< 0.001	0.044	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00057	< 0.01	< 0.0002	< 0.005	< 0.478	< 0.0025	< 0.002
	4/28/2020	0.33	110	46	0.19	7.17	41	470	NA	< 0.001	0.051	NA	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.628	< 0.0025	< 0.002
	12/7/2020	0.59	100	54	0.25	7.22	55	640	NA	< 0.001	0.058	NA	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0052	< 0.542	< 0.0025	< 0.002
	5/11/2021	0.21	85	51	0.21	7.52	37	450	< 0.003	< 0.001	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.01	0.521	< 0.0025	< 0.002
	8/24/2021	0.27	99	40	0.18	7.19	56	430	< 0.003	< 0.001	0.061	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.00088	< 0.01	< 0.0002	0.007	< 0.463	< 0.0025	< 0.002
	11/30/2021	0.35	84	41	0.19	7.14	^ 28	410	< 0.003	< 0.001	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.005	< 0.0002	0.0072	< 0.434	0.0026	< 0.002
	2/9/2022	0.18	96	47	0.17	7.33	48	520	< 0.003	0.0017	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	0.0012	0.003	< 0.0002	0.0074	< 0.527	< 0.0025	< 0.002
	6/7/2022	0.21	81	51	0.14	7.62	27	430	< 0.003	< 0.001	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0057	0.531	< 0.0025	< 0.002
	8/30/2022	0.59	92	44	0.15	7.10	66	810	< 0.003	< 0.001	0.073	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	^+ < 0.01	< 0.0002	< 0.005	< 0.441	< 0.0025	< 0.002
	11/15/2022	0.74	110	47	0.1	7.15	45	530	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.659	< 0.0025	< 0.002
	2/22/2023	0.46	110	52	0.14	7.51	92	500	< 0.0030	< 0.0010	0.082	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.503	< 0.0025	< 0.0020
	5/17/2023	0.29	91	39	< 0.10	7.23	39	400	< 0.0030	< 0.0010	0.055	^+ ^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.357	< 0.0025	< 0.0020
	8/29/2023	0.59	100	47	< 0.10	6.98	43	530	< 0.0020	< 0.0020	0.078	^+ < 0.0010	< 0.00020	< 0.0050	< 0.0005	< 0.00050	< 0.010	< 0.00020	0.0020	< 0.574	< 0.005	< 0.0010
	11/7/2023	0.45	110	50	< 0.10	6.95	68	590	< 0.0030	< 0.0010	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	< 0.00020	< 0.0050	< 0.356	0.0026	< 0.0020
	2/21/2024	1.5	120	46	0.10	7.12	81	580	< 0.0030	< 0.0010	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.528	< 0.0025	< 0.0020
	6/19/2024	0.14	100	78	0.12	6.48	29	550	< 0.0030	< 0.0010	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^1+ < 0.010	< 0.00020	< 0.0050	< 0.688	< 0.0025	< 0.0020
MW-10 up-gradient	6/22/2017	0.46	100	48	0.19	6.48	54	1.0	< 0.003	0.0023	0.250	< 0.001	< 0.0005	< 0.005	0.008	0.003	< 0.01	< 0.0002	< 0.005	0.408	0.0042	< 0.002
	8/24/2017	0.32	93	51	0.18	7.14	57	480	< 0.003	0.0020	0.220	< 0.001	< 0.0005	< 0.005	0.007	0.003	< 0.01	< 0.0002	< 0.005	0.564	0.0044	< 0.002
	11/9/2017	0.36	98	48	0.18	6.78	64	500	< 0.003	< 0.0010	0.220	< 0.001	< 0.0005	< 0.005	0.004	< 0.001	< 0.01	< 0.0002	< 0.005	1.020	0.0034	< 0.002
	5/16/2018	0.42	93	44	0.19	7.64	80	530	< 0.003	0.0010	0.220	< 0.001	< 0.0005	< 0.005	0.021	0.001	< 0.01	< 0.0002	< 0.005	1.550	0.0050	< 0.002
	8/8/2018	0.39	99	58	0.19	7.10	60	550	< 0.003	0.0012	0.220	< 0.001	< 0.0005	< 0.005	0.014	0.001	< 0.01	< 0.0002	< 0.005	< 0.551	0.0062	< 0.002
	10/30/2018	0.34	110	49	0.22	7.65	49	510	< 0.003	0.0110	0.410	< 0.001	0.0008	0.024	0.047	0.023	0.02	< 0.0002	< 0.005	3.00	0.0046	< 0.002
	2/26/2019	0.39	150	48	0.21	6.77	36	540	< 0.003	0.0220	0.590	< 0.005	0.0015	0.063	0.081	0.036	0.03	< 0.0002	0.007	4.130	0.0041	< 0.002
	5/1/2019	0.35	92	50	0.22	6.81	30	470	< 0.003	0.0023	0.270	< 0.001	< 0.0005	< 0.005	0.011	0.0028	< 0.01	< 0.0002	< 0.005	1.330	0.0037	< 0.002
	8/26/2019	0.30	84	48	0.19	7.09	30	410	< 0.003	0.0017	0.190	< 0.001	< 0.001	< 0.005	0.007	0.0016	< 0.01	< 0.0002	< 0.005	1.540	0.0050	< 0.002
	2/25/2020	1.40	110	45	0.23	6.82	59	500	< 0.003	0.0033	0.280	< 0.001	< 0.0005	0.0086	0.011	0.0046	< 0.01	< 0.0002	< 0.005	1.07	0.0058	< 0.002
	4/28/2020	1.00	110	41	0.24	6.80	64	550	NA	0.0022	0.250	NA	NA	< 0.005	0.0065	0.0017	NA	NA	< 0.005	0.639	0.0054	NA
	12/8/2020	2.40	120	44	0.26	7.11	71	550	NA	0.0015	0.280	NA	NA	< 0.005	0.0089	0.0023	NA	< 0.0002	< 0.005	1.76	0.0031	NA
	5/11/2021	0.64	100	52	0.24	7.01	59	540	< 0.003	0.0011	0.260	< 0.001	< 0.0005	< 0.005	0.008	0.00085	< 0.01	< 0.0002	< 0.005	1.42	0.0049	< 0.002
	8/24/2021	0.42	98	53	0.21	6.87	46	420	< 0.003	0.0017	0.24	< 0.001	< 0.0005	< 0.005	0.0082	0.002	< 0.01	< 0.0002	< 0.005	0.638	0.0051	< 0.002
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Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL, Former Ash Basin.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-03 down-gradient	6/20/2017	0.4	76	54	0.29	7.26	49	480	< 0.003	0.0013	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.325	< 0.0025	< 0.002
	8/23/2017	0.40	79	52	0.28	7.44	52	430	< 0.003	0.0010	0.066	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	1.200	< 0.0025	< 0.002
	11/7/2017	0.31	79	62	0.26	7.04	61	460	< 0.003	0.0013	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.588	< 0.0025	< 0.002
	5/15/2018	0.35	87	66	0.27	7.53	77	520	< 0.003	0.0010	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.489	< 0.0025	< 0.002
	8/7/2018	0.40	82	67	0.22	6.60	49	500	< 0.003	0.0015	0.067	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.341	< 0.0025	< 0.002
	10/30/2018	0.20	74	44	0.25	7.84	26	400	< 0.003	0.0014	0.056	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.354	< 0.0025	< 0.002
	2/26/2019	0.06	74	56	0.24	7.49	25	410	< 0.003	0.0013	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.0007	< 0.01	< 0.0002	< 0.005	< 0.399	< 0.0025	< 0.002
	4/30/2019	0.28	74	49	0.22	7.17	38	390	< 0.003	< 0.001	0.060	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.668	< 0.0025	< 0.002
	8/26/2019	0.31	75	50	0.26	7.17	14	380	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002
	2/24/2020	0.33	87	53	0.22	7.10	65	470	< 0.003	< 0.001	0.066	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.400	< 0.0025	< 0.002
	4/28/2020	0.24	86	46	0.22	7.03	79	410	NA	0.0013	0.066	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.498	0.0036	NA
	12/9/2020	0.86	92	45	0.28	7.46	60	390	NA	< 0.001	0.086	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.432	< 0.0025	NA
	5/11/2021	0.22	75	49	0.21	7.33	38	390	< 0.003	< 0.001	0.07	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.519	< 0.0025	< 0.002
	8/24/2021	0.41	81	46	0.25	7.15	32	310	< 0.003	0.0012	0.072	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.444	< 0.0025	< 0.002
	11/30/2021	0.3	76	47	0.26	7.20	^ 23	350	< 0.003	0.0014	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.004	< 0.0002	< 0.005	< 0.436	< 0.0025	< 0.002
	2/8/2022	0.2	94	47	0.21	7.22	50	550	< 0.003	0.001	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.003	< 0.0002	< 0.005	0.593	< 0.0025	< 0.002
	6/7/2022	0.37	79	45	0.22	7.37	47	370	< 0.003	0.0012	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.851	< 0.0025	< 0.002
	8/30/2022	0.57	87	50	0.21	7.10	51	710	< 0.003	< 0.001	0.1	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	^+ < 0.01	< 0.0002	< 0.005	0.589	< 0.0025	< 0.002
	11/14/2022	0.42	81	49	0.28	7.23	44	430	< 0.003	< 0.001	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.54	< 0.0025	< 0.002
	2/21/2023	1.00	96	53	0.20	7.75	70	550	< 0.0030	< 0.0010	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.493	< 0.0025	< 0.0020
	5/16/2023	0.15	80	69	0.21	7.42	31	420	< 0.0030	< 0.0010	0.068	^+ ^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	0.993	0.0038	< 0.0020
	8/28/2023	0.32	73	82	0.20	7.28	36	430	< 0.0020	< 0.0020	0.096	< 0.0010	< 0.00020	< 0.0050	< 0.0005	< 0.00050	< 0.010	< 0.00020	0.0023	< 0.742	0.0070	0.0030
	11/7/2023	1.1	90	59	0.19	7.29	91	530	< 0.0030	< 0.0010	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	< 0.00020	< 0.0050	< 0.0758	0.0055	< 0.0020
	2/22/2024	0.19	88	64	0.20	7.51	66	520	< 0.0030	< 0.0010	0.064	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	< 0.0050	< 0.698	0.0058	< 0.0020
6/19/2024	0.93	100	54	< 0.0030	6.80	73	540	< 0.0030	0.0011	0.078	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^1+ < 0.010	< 0.00020	< 0.0050	< 0.727	< 0.0025	< 0.0020	
MW-04 down-gradient	6/20/2017	0.5	77	55	0.29	7.45	53	480	< 0.003	< 0.001	0.0025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.343	< 0.0025	< 0.002
	8/28/2017	V 0.73	90	89	0.33	7.13	110	680	< 0.003	< 0.001	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.013	< 0.246	< 0.0025	< 0.002
	11/7/2017	0.60	110	94	0.24	6.80	130	650	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.332	0.0092	< 0.002
	5/15/2018	0.68	87	66	0.27	7.63	100	630	< 0.003	< 0.001	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.661	< 0.0025	< 0.002
	8/7/2018	0.79	84	71	0.32	6.72	49	510	< 0.003	0.0011	0.031	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.334	< 0.0025	< 0.002
	10/30/2018	0.54	100	80	0.24	7.55	91	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.423	< 0.0025	< 0.002
	2/26/2019	0.38	79	55	0.25	7.18	52	490	< 0.003	0.0013	0.033	< 0.001	< 0.0005	< 0.005	0.001	0.0012	< 0.01	< 0.0002	< 0.005	0.366	< 0.0025	< 0.002
	4/30/2019	0.36	74	48	0.25	7.08	35	380	< 0.003	< 0.001	0.026	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.684	< 0.0025	< 0.002
	8/26/2019	0.64	91	60	0.24	7.08	14	490	< 0.003	< 0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.008	1.090	< 0.0025	< 0.002
	2/24/2020	0.34	81	49	0.20	7.05	67	440	< 0.003	< 0.001	0.024	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.595	< 0.0025	< 0.002
	4/28/2020	0.55	76	52	0.27	7.03	47	380	NA	< 0.001	0.025	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.465	< 0.0025	NA
	12/9/2020	0.57	92	88	0.32	7.10	94	580	NA	< 0.001	0.034	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0076	< 0.411	< 0.0025	NA
	5/11/2021	0.61	77	44	0.33	7.22	76	410	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.533	< 0.0025	< 0.002
	8/24/2021	0.72	78	48	0.34	7.12	15	100	< 0.003	< 0.001	0.024	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.014	< 0.427	< 0.0025	< 0.002
	11/30/2021	0.51	99	56	0.25	6.95	^ 62	560	< 0.003	0.0012	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0035	< 0.0002	< 0.005	< 0.419	< 0.0025	< 0.002
	2/8/2022	0.47	88	59	0.29	7.15	52	580	< 0.003	< 0.001	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0038	< 0.0002	0.006	0.818	< 0.0025	< 0.002
	6/7/2022	0.48	73	43	0.3	7.31	30	320	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0051	< 0.473	< 0.0025	< 0.002
	8/30/2022	0.67	94	61	0.21	6.80	67	720	< 0.003	< 0.001	0.034	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	^+ < 0.01	< 0.0002	< 0.005	< 0.546	< 0.0025	< 0.002
	11/14/2022	0.84	110	62	0.2	6.85	41	570	< 0.003	< 0.001	0.08	< 0.00										

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

Well	Date	Turbidity (NTU)
MW-01	2/23/2021	78.20
	4/9/2021	6.96
	5/10/2021	3.24
	6/2/2021	3.80
	6/28/2021	4.30
	7/19/2021	4.88
	8/24/2021	3.34
	9/30/2021	3.04
	11/30/2021	5.43
	2/9/2022	11.5
	6/7/2022	3.63
	8/30/2022	4.73
	11/15/2022	3.9
	2/22/2023	4.54
	5/17/2023	4.33
	8/29/2023	4.40
11/7/2023	2.93	
2/21/2024	17.88	
6/19/2024	10.24	
MW-10	2/23/2021	257.70
	4/9/2021	54.91
	5/11/2021	24.74
	6/2/2021	6.02
	6/28/2021	14.11
	7/19/2021	17.53
	8/24/2021	41.55
	9/30/2021	17.07
	11/30/2021	11.92
	2/9/2022	224.6
	6/7/2022	7.88
	8/30/2022	13.34
	11/15/2022	23.18
	2/22/2023	14.31
	5/17/2023	30.70
	8/29/2023	31.79
11/7/2023	20.85	
2/21/2024	29.67	
6/19/2024	22.65	
MW-02	2/22/2021	19.60
	4/8/2021	4.55
	5/11/2021	1.82
	6/2/2021	2.06
	6/28/2021	2.67
	7/19/2021	3.56
	8/24/2021	5.23
	10/1/2021	2.76
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	2.03
	8/30/2022	2.46
	11/14/2022	29.35
	2/21/2023	2.63
	5/16/2023	62.49
	8/28/2023	1.70
11/7/2023	2.63	
2/22/2024	22.00	
6/19/2024	8.34	
MW-03	2/22/2021	8.20
	4/8/2021	4.00
	5/11/2021	2.68
	6/2/2021	3.63
	6/28/2021	3.32
	7/19/2021	4.22
	8/24/2021	5.75
	10/1/2021	2.45
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	1.72
	8/30/2022	2.67
	11/14/2022	4.03
	2/21/2023	2.33
	5/16/2023	6.94
	8/28/2023	1.45
11/7/2023	2.29	
2/22/2024	10.24	
6/19/2024	7.26	

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

Well	Date	Turbidity (NTU)
MW-04	2/22/2021	4.20
	4/8/2021	4.05
	5/11/2021	4.33
	6/2/2021	2.12
	6/28/2021	8.21
	7/19/2021	3.84
	8/24/2021	2.92
	10/1/2021	2.72
	11/30/2021	0.0
	2/8/2022	11.09
	6/7/2022	1.62
	8/30/2022	4.05
	11/14/2022	20.70
	2/21/2023	3.70
	5/16/2023	2.50
	8/28/2023	5.59
11/7/2023	3.48	
2/22/2024	15.41	
6/19/2024	12.81	
MW-05	2/22/2021	1.72
	4/8/2021	4.00
	5/11/2021	1.82
	6/2/2021	1.88
	6/28/2021	3.49
	7/19/2021	8.39
	8/24/2021	3.20
	10/1/2021	3.12
	11/30/2021	0.0
	2/8/2022	0.0
	6/7/2022	2.33
	8/30/2022	2.70
	11/14/2022	2.05
	2/21/2023	2.16
	5/16/2023	2.55
	8/28/2023	1.50
11/7/2023	2.50	
2/22/2024	7.08	
6/19/2024	7.56	

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

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

Generated 7/11/2024 12:47:16 PM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-252291-1

Eurofins Chicago

Job Notes

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

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Authorization



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Case Narrative

Client: KPRG and Associates, Inc.
Project: Powerton CCR

Job ID: 500-252291-1

Job ID: 500-252291-1

Eurofins Chicago

Job Narrative 500-252291-1

Receipt

The samples were received on 6/18/2024 9:45 AM, 6/19/2024 9:50 AM, 6/20/2024 9:45 AM and 6/21/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.2°C, 3.4°C, 4.6°C, 4.7°C, 5.0°C, 5.0°C, 5.5°C, 5.8°C, 5.9°C and 7.1°C.

Receipt Exceptions

he following sample(s) was received at the laboratory outside the required temperature criteria: receiving cooler temp 7.1°C, water present in cooler no visible ice. Samples in cooler (#24 MW-08 and #25 MW-09):.

Metals

Method 6020B - Total Recoverable: The initial calibration verification (ICV) result for batch 500-776031 was above the upper control limit. The affected analytes are: Lithium. Sample results were below the reporting limit, and have been reported as qualified data.

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

General Chemistry

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

Eurofins Chicago

Method Summary

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

Job ID: 500-252291-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-252291-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252291-1	MW-17	Water	06/17/24 14:46	06/18/24 09:45
500-252291-2	MW-18	Water	06/17/24 15:39	06/18/24 09:45
500-252291-3	MW-19	Water	06/17/24 16:20	06/18/24 09:45
500-252291-4	MW-20	Water	06/17/24 13:37	06/18/24 09:45
500-252291-5	MW-21	Water	06/17/24 11:36	06/18/24 09:45
500-252291-6	MW-21D	Water	06/17/24 12:42	06/18/24 09:45
500-252291-7	Duplicate 1	Water	06/18/24 00:00	06/19/24 09:50
500-252291-8	MW-14	Water	06/18/24 09:41	06/19/24 09:50
500-252291-9	MW-15	Water	06/18/24 11:10	06/19/24 09:50
500-252291-10	MW-16	Water	06/18/24 15:13	06/19/24 09:50
500-252291-11	MW-06	Water	06/18/24 12:44	06/19/24 09:50
500-252291-12	MW-07	Water	06/18/24 13:56	06/19/24 09:50
500-252291-13	MW-01	Water	06/19/24 11:06	06/20/24 09:45
500-252291-14	MW-02	Water	06/19/24 08:57	06/20/24 09:45
500-252291-15	MW-03	Water	06/19/24 10:02	06/20/24 09:45
500-252291-16	MW-04	Water	06/19/24 12:20	06/20/24 09:45
500-252291-17	MW-05	Water	06/19/24 13:18	06/20/24 09:45
500-252291-18	MW-13	Water	06/19/24 14:28	06/20/24 09:45
500-252291-19	Duplicate 2	Water	06/19/24 00:00	06/20/24 09:45
500-252291-20	MW-10	Water	06/19/24 15:32	06/20/24 09:45
500-252291-21	Duplicate 3	Water	06/20/24 00:00	06/21/24 10:00
500-252291-22	MW-22	Water	06/20/24 12:33	06/21/24 10:00
500-252291-23	MW-23	Water	06/20/24 11:47	06/21/24 10:00
500-252291-24	MW-08	Water	06/20/24 08:29	06/21/24 10:00
500-252291-25	MW-09	Water	06/20/24 10:34	06/21/24 10:00
500-252291-26	MW-12R	Water	06/20/24 13:16	06/21/24 10:00
500-252291-27	MW-11	Water	06/20/24 09:25	06/21/24 10:00

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-17

Lab Sample ID: 500-252291-1

Date Collected: 06/17/24 14:46

Matrix: Water

Date Received: 06/18/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 16:35	1
Arsenic	0.0027		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Barium	0.026		0.0025		mg/L		07/09/24 08:31	07/09/24 16:35	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Boron	1.1		0.050		mg/L		07/09/24 08:31	07/10/24 12:06	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Calcium	160		0.20		mg/L		07/09/24 08:31	07/10/24 12:06	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:35	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Lithium	0.013		0.010		mg/L		07/09/24 08:31	07/10/24 12:06	1
Molybdenum	0.062		0.0050		mg/L		07/09/24 08:31	07/09/24 16:35	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:35	1
Thallium	0.0022		0.0020		mg/L		07/09/24 08:31	07/09/24 16:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1500		10		mg/L			06/19/24 22:39	1
Chloride (SM 4500 Cl- E)	170		10		mg/L			06/19/24 13:04	5
Fluoride (SM 4500 F C)	0.70		0.10		mg/L			06/28/24 10:53	1
Sulfate (SM 4500 SO4 E)	600		100		mg/L			06/25/24 14:46	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-18
Date Collected: 06/17/24 15:39
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:00	1
Arsenic	0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Barium	0.13		0.0025		mg/L		07/09/24 08:31	07/09/24 17:00	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Boron	0.70		0.050		mg/L		07/09/24 08:31	07/10/24 12:17	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:17	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:00	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:00	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:00	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/19/24 22:46	1
Chloride (SM 4500 Cl- E)	160		10		mg/L			06/19/24 13:05	5
Fluoride (SM 4500 F C)	0.52		0.10		mg/L			07/10/24 16:51	1
Sulfate (SM 4500 SO4 E)	89		10		mg/L			06/25/24 13:33	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-19

Lab Sample ID: 500-252291-3

Date Collected: 06/17/24 16:20

Matrix: Water

Date Received: 06/18/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:03	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Barium	0.088		0.0025		mg/L		07/09/24 08:31	07/09/24 17:03	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Boron	2.1		0.25		mg/L		07/09/24 08:31	07/10/24 12:19	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Calcium	110		1.0		mg/L		07/09/24 08:31	07/10/24 12:19	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:03	1
Molybdenum	0.022		0.0050		mg/L		07/09/24 08:31	07/09/24 17:03	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:03	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			06/19/24 22:52	1
Chloride (SM 4500 Cl- E)	43		2.0		mg/L			06/19/24 12:22	1
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			07/10/24 17:06	1
Sulfate (SM 4500 SO4 E)	130	F1	25		mg/L			06/25/24 14:48	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-20
Date Collected: 06/17/24 13:37
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:07	1
Arsenic	0.0054		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Barium	0.085		0.0025		mg/L		07/09/24 08:31	07/09/24 17:07	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Boron	1.6		0.050		mg/L		07/09/24 08:31	07/10/24 12:25	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Calcium	270		0.20		mg/L		07/09/24 08:31	07/10/24 12:25	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:07	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:07	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:07	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2000		10		mg/L			06/19/24 22:54	1
Chloride (SM 4500 Cl- E)	64		4.0		mg/L			06/19/24 13:03	2
Fluoride (SM 4500 F C)	0.14		0.10		mg/L			07/10/24 17:11	1
Sulfate (SM 4500 SO4 E)	640		100		mg/L			06/25/24 14:47	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-21
Date Collected: 06/17/24 11:36
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:11	1
Arsenic	0.034		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Barium	0.35		0.0025		mg/L		07/09/24 08:31	07/09/24 17:11	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Boron	0.52		0.050		mg/L		07/09/24 08:31	07/10/24 12:27	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:27	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Cobalt	0.0046		0.0010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:11	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:11	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:11	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	690		10		mg/L			06/19/24 22:57	1
Chloride (SM 4500 Cl- E)	23		2.0		mg/L			06/19/24 12:23	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 17:15	1
Sulfate (SM 4500 SO4 E)	<5.0		5.0		mg/L			06/25/24 13:15	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-21D

Lab Sample ID: 500-252291-6

Date Collected: 06/17/24 12:42

Matrix: Water

Date Received: 06/18/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:14	1
Arsenic	0.0033		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Barium	0.46		0.0025		mg/L		07/09/24 08:31	07/09/24 17:14	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Boron	2.0		0.25		mg/L		07/09/24 08:31	07/10/24 12:29	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Calcium	81		1.0		mg/L		07/09/24 08:31	07/10/24 12:29	5
Chromium	0.0076		0.0050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Cobalt	0.0047		0.0010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Lead	0.0036		0.00050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:14	1
Molybdenum	0.021		0.0050		mg/L		07/09/24 08:31	07/09/24 17:14	1
Selenium	0.0031		0.0025		mg/L		07/09/24 08:31	07/09/24 17:14	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	570		10		mg/L			06/19/24 22:59	1
Chloride (SM 4500 Cl- E)	73		4.0		mg/L			06/19/24 13:04	2
Fluoride (SM 4500 F C)	0.41		0.10		mg/L			07/10/24 17:20	1
Sulfate (SM 4500 SO4 E)	140		25		mg/L			06/25/24 14:48	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 1

Lab Sample ID: 500-252291-7

Date Collected: 06/18/24 00:00

Matrix: Water

Date Received: 06/19/24 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:18	1
Arsenic	0.0020		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Barium	0.067		0.0025		mg/L		07/09/24 08:31	07/09/24 17:18	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Boron	1.8		0.25		mg/L		07/09/24 08:31	07/10/24 12:31	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:31	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:18	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:31	5
Molybdenum	0.030		0.0050		mg/L		07/09/24 08:31	07/09/24 17:18	1
Selenium	0.021		0.0025		mg/L		07/09/24 08:31	07/09/24 17:18	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2100		10		mg/L			06/19/24 23:02	1
Chloride (SM 4500 Cl- E)	330		20		mg/L			06/23/24 11:53	10
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 17:25	1
Sulfate (SM 4500 SO4 E)	600		100		mg/L			06/25/24 15:50	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-14
Date Collected: 06/18/24 09:41
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:21	1
Arsenic	0.0020		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Barium	0.058		0.0025		mg/L		07/09/24 08:31	07/09/24 17:21	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Boron	2.2		0.25		mg/L		07/09/24 08:31	07/10/24 12:33	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:33	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:21	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:33	5
Molybdenum	0.10		0.0050		mg/L		07/09/24 08:31	07/09/24 17:21	1
Selenium	0.053		0.0025		mg/L		07/09/24 08:31	07/09/24 17:21	1
Thallium	0.0051		0.0020		mg/L		07/09/24 08:31	07/09/24 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3900		10		mg/L			06/19/24 23:05	1
Chloride (SM 4500 Cl- E)	85		4.0		mg/L			06/20/24 11:02	2
Fluoride (SM 4500 F C)	1.1		0.10		mg/L			07/10/24 17:40	1
Sulfate (SM 4500 SO4 E)	1500		500		mg/L			06/25/24 15:01	100

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-15
Date Collected: 06/18/24 11:10
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:25	1
Arsenic	0.0025		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Barium	0.068		0.0025		mg/L		07/09/24 08:31	07/09/24 17:25	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Boron	1.8		0.25		mg/L		07/09/24 08:31	07/10/24 12:36	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Calcium	290		1.0		mg/L		07/09/24 08:31	07/10/24 12:36	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:25	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Lithium	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:36	5
Molybdenum	0.031		0.0050		mg/L		07/09/24 08:31	07/09/24 17:25	1
Selenium	0.022		0.0025		mg/L		07/09/24 08:31	07/09/24 17:25	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2000		10		mg/L			06/19/24 23:07	1
Chloride (SM 4500 Cl- E)	340		20		mg/L			06/20/24 11:02	10
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 17:45	1
Sulfate (SM 4500 SO4 E)	630		100		mg/L			06/25/24 14:48	20

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-16
Date Collected: 06/18/24 15:13
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:29	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Barium	0.040		0.0025		mg/L		07/09/24 08:31	07/09/24 17:29	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Boron	0.19		0.050		mg/L		07/09/24 08:31	07/10/24 12:38	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Calcium	110		0.20		mg/L		07/09/24 08:31	07/10/24 12:38	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:29	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:29	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:29	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	510		10		mg/L			06/19/24 23:10	1
Chloride (SM 4500 Cl- E)	21		2.0		mg/L			06/20/24 10:14	1
Fluoride (SM 4500 F C)	<0.10		0.10		mg/L			07/10/24 17:49	1
Sulfate (SM 4500 SO4 E)	39		5.0		mg/L			06/25/24 13:15	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-06
Date Collected: 06/18/24 12:44
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:32	1
Arsenic	0.0021		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Barium	0.059		0.0025		mg/L		07/09/24 08:31	07/09/24 17:32	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Boron	0.39		0.050		mg/L		07/09/24 08:31	07/10/24 12:40	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Calcium	94		0.20		mg/L		07/09/24 08:31	07/10/24 12:40	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:32	1
Molybdenum	0.010		0.0050		mg/L		07/09/24 08:31	07/09/24 17:32	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:32	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	820		10		mg/L			06/19/24 23:12	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			06/20/24 11:02	5
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			07/10/24 17:54	1
Sulfate (SM 4500 SO4 E)	220		25		mg/L			06/25/24 13:35	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-07

Lab Sample ID: 500-252291-12

Date Collected: 06/18/24 13:56

Matrix: Water

Date Received: 06/19/24 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:43	1
Arsenic	0.12		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Barium	0.48		0.0025		mg/L		07/09/24 08:31	07/09/24 17:43	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Boron	0.79		0.050		mg/L		07/09/24 08:31	07/10/24 12:42	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Calcium	230		0.20		mg/L		07/09/24 08:31	07/10/24 12:42	1
Chromium	0.0073		0.0050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Cobalt	0.0088		0.0010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Lead	0.0051		0.00050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:43	1
Molybdenum	0.0058		0.0050		mg/L		07/09/24 08:31	07/09/24 17:43	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:43	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/19/24 23:15	1
Chloride (SM 4500 Cl- E)	130		10		mg/L			06/20/24 11:03	5
Fluoride (SM 4500 F C)	0.50		0.10		mg/L			07/10/24 17:58	1
Sulfate (SM 4500 SO4 E)	49		5.0		mg/L			06/25/24 13:16	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-01
Date Collected: 06/19/24 11:06
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:47	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Barium	0.053		0.0025		mg/L		07/09/24 08:31	07/09/24 17:47	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Boron	0.14		0.050		mg/L		07/09/24 08:31	07/10/24 12:44	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Calcium	100		0.20		mg/L		07/09/24 08:31	07/10/24 12:44	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:47	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:47	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:47	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	550		10		mg/L			06/20/24 22:34	1
Chloride (SM 4500 Cl- E)	78		4.0		mg/L			06/23/24 11:53	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 18:03	1
Sulfate (SM 4500 SO4 E)	29		5.0		mg/L			06/25/24 15:19	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-02

Lab Sample ID: 500-252291-14

Date Collected: 06/19/24 08:57

Matrix: Water

Date Received: 06/20/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:50	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Barium	0.089		0.0025		mg/L		07/09/24 08:31	07/09/24 17:50	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Boron	1.4		0.25		mg/L		07/09/24 08:31	07/10/24 12:50	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Calcium	110		1.0		mg/L		07/09/24 08:31	07/10/24 12:50	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:50	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:50	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:50	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	610		10		mg/L			06/20/24 22:41	1
Chloride (SM 4500 Cl- E)	57		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.15		0.10		mg/L			07/10/24 18:08	1
Sulfate (SM 4500 SO4 E)	82		10		mg/L			06/25/24 15:31	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-03
Date Collected: 06/19/24 10:02
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:54	1
Arsenic	0.0011		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Barium	0.078		0.0025		mg/L		07/09/24 08:31	07/09/24 17:54	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Boron	0.93		0.050		mg/L		07/09/24 08:31	07/10/24 12:52	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Calcium	100		0.20		mg/L		07/09/24 08:31	07/10/24 12:52	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:54	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:54	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:54	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	540		10		mg/L			06/20/24 22:47	1
Chloride (SM 4500 Cl- E)	54		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			07/10/24 18:13	1
Sulfate (SM 4500 SO4 E)	73		10		mg/L			06/25/24 15:31	2

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-04
Date Collected: 06/19/24 12:20
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 17:57	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Barium	0.049		0.0025		mg/L		07/09/24 08:31	07/09/24 17:57	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Boron	1.3		0.050		mg/L		07/09/24 08:31	07/10/24 12:54	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Calcium	120		0.20		mg/L		07/09/24 08:31	07/10/24 12:54	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 17:57	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 17:57	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 17:57	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 17:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	670		10		mg/L			06/20/24 22:49	1
Chloride (SM 4500 Cl- E)	57		4.0		mg/L			06/23/24 11:54	2
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 18:17	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:50	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-05

Lab Sample ID: 500-252291-17

Date Collected: 06/19/24 13:18

Matrix: Water

Date Received: 06/20/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 18:01	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Barium	0.057		0.0025		mg/L		07/09/24 08:31	07/09/24 18:01	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Boron	1.8		0.050		mg/L		07/09/24 08:31	07/10/24 12:56	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Calcium	140		0.20		mg/L		07/09/24 08:31	07/10/24 12:56	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:01	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:01	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:01	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	850		10		mg/L			06/20/24 22:52	1
Chloride (SM 4500 Cl- E)	82		4.0		mg/L			06/23/24 11:55	2
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			07/10/24 18:21	1
Sulfate (SM 4500 SO4 E)	190		25		mg/L			06/25/24 15:32	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-13
Date Collected: 06/19/24 14:28
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 18:05	1
Arsenic	0.017		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Barium	0.097		0.0025		mg/L		07/09/24 08:31	07/09/24 18:05	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Boron	2.5		0.25		mg/L		07/09/24 08:31	07/10/24 12:58	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Calcium	150		1.0		mg/L		07/09/24 08:31	07/10/24 12:58	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:05	1
Molybdenum	0.021		0.0050		mg/L		07/09/24 08:31	07/09/24 18:05	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:05	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			06/20/24 22:54	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/23/24 11:55	5
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			07/10/24 18:36	1
Sulfate (SM 4500 SO4 E)	360		50		mg/L			06/25/24 15:51	10

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 2

Lab Sample ID: 500-252291-19

Date Collected: 06/19/24 00:00

Matrix: Water

Date Received: 06/20/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 18:08	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Barium	0.055		0.0025		mg/L		07/09/24 08:31	07/09/24 18:08	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Boron	0.14		0.050		mg/L		07/09/24 08:31	07/10/24 13:01	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Calcium	110		0.20		mg/L		07/09/24 08:31	07/10/24 13:01	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:08	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:08	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 18:08	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	480		10		mg/L			06/20/24 22:57	1
Chloride (SM 4500 Cl- E)	78		4.0		mg/L			06/23/24 11:55	2
Fluoride (SM 4500 F C)	0.12		0.10		mg/L			07/10/24 18:40	1
Sulfate (SM 4500 SO4 E)	29		5.0		mg/L			06/25/24 15:17	1

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-10

Lab Sample ID: 500-252291-20

Date Collected: 06/19/24 15:32

Matrix: Water

Date Received: 06/20/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 18:12	1
Arsenic	0.0012		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Barium	0.25		0.0025		mg/L		07/09/24 08:31	07/09/24 18:12	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Boron	5.8		0.50		mg/L		07/09/24 08:31	07/10/24 13:03	10
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Calcium	130		2.0		mg/L		07/09/24 08:31	07/10/24 13:03	10
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Cobalt	0.0071		0.0010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Lead	0.0014		0.00050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:31	07/09/24 18:12	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 18:12	1
Selenium	0.0066		0.0025		mg/L		07/09/24 08:31	07/09/24 18:12	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 18:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	710		10		mg/L			06/20/24 23:00	1
Chloride (SM 4500 Cl- E)	35		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.28		0.10		mg/L			07/10/24 18:45	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:51	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 3

Lab Sample ID: 500-252291-21

Date Collected: 06/20/24 00:00

Matrix: Water

Date Received: 06/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:30	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Barium	0.033		0.0025		mg/L		07/09/24 08:32	07/09/24 18:30	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:13	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Calcium	69		1.0		mg/L		07/09/24 08:32	07/10/24 13:13	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:30	1
Molybdenum	0.024		0.0050		mg/L		07/09/24 08:32	07/09/24 18:30	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:30	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	640		10		mg/L			06/23/24 21:05	1
Chloride (SM 4500 Cl- E)	28		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 18:49	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			06/25/24 15:51	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-22
Date Collected: 06/20/24 12:33
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:48	1
Arsenic	0.0037		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Barium	0.14		0.0025		mg/L		07/09/24 08:32	07/09/24 18:48	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Boron	0.98		0.050		mg/L		07/09/24 08:32	07/10/24 13:24	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Calcium	130		0.20		mg/L		07/09/24 08:32	07/10/24 13:24	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Cobalt	0.0027		0.0010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:48	1
Molybdenum	0.028		0.0050		mg/L		07/09/24 08:32	07/09/24 18:48	1
Selenium	0.0029		0.0025		mg/L		07/09/24 08:32	07/09/24 18:48	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	940		10		mg/L			06/23/24 21:07	1
Chloride (SM 4500 Cl- E)	110		10		mg/L			06/23/24 11:56	5
Fluoride (SM 4500 F C)	0.40		0.10		mg/L			07/10/24 19:04	1
Sulfate (SM 4500 SO4 E)	220		25		mg/L			06/25/24 15:33	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-23

Lab Sample ID: 500-252291-23

Date Collected: 06/20/24 11:47

Matrix: Water

Date Received: 06/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:52	1
Arsenic	0.0027		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Barium	0.18		0.0025		mg/L		07/09/24 08:32	07/09/24 18:52	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:26	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Calcium	75		1.0		mg/L		07/09/24 08:32	07/10/24 13:26	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Cobalt	0.0060		0.0010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Lead	0.0017		0.00050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 18:52	1
Molybdenum	0.018		0.0050		mg/L		07/09/24 08:32	07/09/24 18:52	1
Selenium	0.0041		0.0025		mg/L		07/09/24 08:32	07/09/24 18:52	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	600		10		mg/L			06/23/24 21:10	1
Chloride (SM 4500 Cl- E)	33		2.0		mg/L			06/23/24 11:22	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 19:08	1
Sulfate (SM 4500 SO4 E)	110		25		mg/L			06/25/24 15:52	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-08
Date Collected: 06/20/24 08:29
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:55	1
Arsenic	0.0021		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Barium	0.12		0.0025		mg/L		07/09/24 08:32	07/09/24 18:55	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Boron	0.85		0.050		mg/L		07/09/24 08:32	07/10/24 13:28	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Calcium	140		0.20		mg/L		07/09/24 08:32	07/10/24 13:28	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:55	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Lithium	0.020		0.010		mg/L		07/09/24 08:32	07/10/24 13:28	1
Molybdenum	0.0072		0.0050		mg/L		07/09/24 08:32	07/09/24 18:55	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:55	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	920		10		mg/L			06/23/24 21:13	1
Chloride (SM 4500 Cl- E)	120		10		mg/L			06/23/24 11:56	5
Fluoride (SM 4500 F C)	0.30		0.10		mg/L			07/10/24 19:13	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			06/25/24 15:35	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-09

Lab Sample ID: 500-252291-25

Date Collected: 06/20/24 10:34

Matrix: Water

Date Received: 06/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 19:06	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Barium	0.033		0.0025		mg/L		07/09/24 08:32	07/09/24 19:06	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Boron	2.9		0.25		mg/L		07/09/24 08:32	07/10/24 13:35	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Calcium	69		1.0		mg/L		07/09/24 08:32	07/10/24 13:35	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 19:06	1
Molybdenum	0.024		0.0050		mg/L		07/09/24 08:32	07/09/24 19:06	1
Selenium	0.0027		0.0025		mg/L		07/09/24 08:32	07/09/24 19:06	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 19:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			06/23/24 21:15	1
Chloride (SM 4500 Cl- E)	29		2.0		mg/L			06/23/24 11:23	1
Fluoride (SM 4500 F C)	0.17		0.10		mg/L			07/10/24 19:17	1
Sulfate (SM 4500 SO4 E)	120		25		mg/L			06/25/24 15:52	5

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-12R

Lab Sample ID: 500-252291-26

Date Collected: 06/20/24 13:16

Matrix: Water

Date Received: 06/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 19:10	1
Arsenic	0.0022		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Barium	0.066		0.0025		mg/L		07/09/24 08:32	07/09/24 19:10	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Boron	0.48		0.050		mg/L		07/09/24 08:32	07/10/24 13:37	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Calcium	110		0.20		mg/L		07/09/24 08:32	07/10/24 13:37	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:10	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Lithium	0.012		0.010		mg/L		07/09/24 08:32	07/10/24 13:37	1
Molybdenum	0.015		0.0050		mg/L		07/09/24 08:32	07/09/24 19:10	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 19:10	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 19:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			06/23/24 21:18	1
Chloride (SM 4500 Cl- E)	140		10		mg/L			06/23/24 11:57	5
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			07/10/24 19:31	1
Sulfate (SM 4500 SO4 E)	330		50		mg/L			06/25/24 15:52	10

Client Sample Results

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

Job ID: 500-252291-1

Client Sample ID: MW-11

Lab Sample ID: 500-252291-27

Date Collected: 06/20/24 09:25

Matrix: Water

Date Received: 06/21/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 19:13	1
Arsenic	0.0089		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Barium	0.19		0.0025		mg/L		07/09/24 08:32	07/09/24 19:13	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Boron	2.4		0.25		mg/L		07/09/24 08:32	07/10/24 13:39	5
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Calcium	120		1.0		mg/L		07/09/24 08:32	07/10/24 13:39	5
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Cobalt	0.0018		0.0010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Lithium	<0.010	^1+	0.010		mg/L		07/09/24 08:32	07/09/24 19:13	1
Molybdenum	0.014		0.0050		mg/L		07/09/24 08:32	07/09/24 19:13	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 19:13	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 19:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	790		10		mg/L			06/23/24 21:20	1
Chloride (SM 4500 Cl- E)	63		4.0		mg/L			06/23/24 11:57	2
Fluoride (SM 4500 F C)	0.51		0.10		mg/L			07/10/24 19:35	1
Sulfate (SM 4500 SO4 E)	110		25		mg/L			06/25/24 15:53	5

Definitions/Glossary

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

Job ID: 500-252291-1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

QC Association Summary

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

Job ID: 500-252291-1

Metals

Prep Batch: 775706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	7470A	
500-252291-2	MW-18	Total/NA	Water	7470A	
500-252291-3	MW-19	Total/NA	Water	7470A	
500-252291-4	MW-20	Total/NA	Water	7470A	
500-252291-5	MW-21	Total/NA	Water	7470A	
500-252291-6	MW-21D	Total/NA	Water	7470A	
500-252291-7	Duplicate 1	Total/NA	Water	7470A	
500-252291-8	MW-14	Total/NA	Water	7470A	
500-252291-9	MW-15	Total/NA	Water	7470A	
500-252291-10	MW-16	Total/NA	Water	7470A	
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-252291-4 MS	MW-20	Total/NA	Water	7470A	
500-252291-4 MSD	MW-20	Total/NA	Water	7470A	
500-252291-4 DU	MW-20	Total/NA	Water	7470A	

Prep Batch: 775846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	3005A	
500-252291-2	MW-18	Total Recoverable	Water	3005A	
500-252291-3	MW-19	Total Recoverable	Water	3005A	
500-252291-4	MW-20	Total Recoverable	Water	3005A	
500-252291-5	MW-21	Total Recoverable	Water	3005A	
500-252291-6	MW-21D	Total Recoverable	Water	3005A	
500-252291-7	Duplicate 1	Total Recoverable	Water	3005A	
500-252291-8	MW-14	Total Recoverable	Water	3005A	
500-252291-9	MW-15	Total Recoverable	Water	3005A	
500-252291-10	MW-16	Total Recoverable	Water	3005A	
500-252291-11	MW-06	Total Recoverable	Water	3005A	
500-252291-12	MW-07	Total Recoverable	Water	3005A	
500-252291-13	MW-01	Total Recoverable	Water	3005A	
500-252291-14	MW-02	Total Recoverable	Water	3005A	
500-252291-15	MW-03	Total Recoverable	Water	3005A	
500-252291-16	MW-04	Total Recoverable	Water	3005A	
500-252291-17	MW-05	Total Recoverable	Water	3005A	
500-252291-18	MW-13	Total Recoverable	Water	3005A	
500-252291-19	Duplicate 2	Total Recoverable	Water	3005A	
500-252291-20	MW-10	Total Recoverable	Water	3005A	
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252291-1 MS	MW-17	Total Recoverable	Water	3005A	
500-252291-1 MSD	MW-17	Total Recoverable	Water	3005A	
500-252291-1 DU	MW-17	Total Recoverable	Water	3005A	

Prep Batch: 775847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-22	MW-22	Total Recoverable	Water	3005A	
500-252291-23	MW-23	Total Recoverable	Water	3005A	
500-252291-24	MW-08	Total Recoverable	Water	3005A	
500-252291-25	MW-09	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 500-252291-1

Metals (Continued)

Prep Batch: 775847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-26	MW-12R	Total Recoverable	Water	3005A	
500-252291-27	MW-11	Total Recoverable	Water	3005A	
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	3005A	
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	3005A	

Analysis Batch: 775890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	7470A	775706
500-252291-2	MW-18	Total/NA	Water	7470A	775706
500-252291-3	MW-19	Total/NA	Water	7470A	775706
500-252291-4	MW-20	Total/NA	Water	7470A	775706
500-252291-5	MW-21	Total/NA	Water	7470A	775706
500-252291-6	MW-21D	Total/NA	Water	7470A	775706
500-252291-7	Duplicate 1	Total/NA	Water	7470A	775706
500-252291-8	MW-14	Total/NA	Water	7470A	775706
500-252291-9	MW-15	Total/NA	Water	7470A	775706
500-252291-10	MW-16	Total/NA	Water	7470A	775706
MB 500-775706/12-A	Method Blank	Total/NA	Water	7470A	775706
LCS 500-775706/13-A	Lab Control Sample	Total/NA	Water	7470A	775706
500-252291-4 MS	MW-20	Total/NA	Water	7470A	775706
500-252291-4 MSD	MW-20	Total/NA	Water	7470A	775706
500-252291-4 DU	MW-20	Total/NA	Water	7470A	775706

Prep Batch: 775919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-11	MW-06	Total/NA	Water	7470A	
500-252291-12	MW-07	Total/NA	Water	7470A	
500-252291-13	MW-01	Total/NA	Water	7470A	
500-252291-14	MW-02	Total/NA	Water	7470A	
500-252291-15	MW-03	Total/NA	Water	7470A	
500-252291-16	MW-04	Total/NA	Water	7470A	
500-252291-17	MW-05	Total/NA	Water	7470A	
500-252291-18	MW-13	Total/NA	Water	7470A	
500-252291-19	Duplicate 2	Total/NA	Water	7470A	
500-252291-20	MW-10	Total/NA	Water	7470A	
500-252291-21	Duplicate 3	Total/NA	Water	7470A	
500-252291-22	MW-22	Total/NA	Water	7470A	
500-252291-23	MW-23	Total/NA	Water	7470A	
500-252291-24	MW-08	Total/NA	Water	7470A	
500-252291-25	MW-09	Total/NA	Water	7470A	
500-252291-26	MW-12R	Total/NA	Water	7470A	
500-252291-27	MW-11	Total/NA	Water	7470A	
MB 500-775919/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-775919/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-252291-19 MS	Duplicate 2	Total/NA	Water	7470A	
500-252291-19 MSD	Duplicate 2	Total/NA	Water	7470A	
500-252291-19 DU	Duplicate 2	Total/NA	Water	7470A	

QC Association Summary

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

Job ID: 500-252291-1

Metals

Analysis Batch: 776031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	6020B	775846
500-252291-2	MW-18	Total Recoverable	Water	6020B	775846
500-252291-3	MW-19	Total Recoverable	Water	6020B	775846
500-252291-4	MW-20	Total Recoverable	Water	6020B	775846
500-252291-5	MW-21	Total Recoverable	Water	6020B	775846
500-252291-6	MW-21D	Total Recoverable	Water	6020B	775846
500-252291-7	Duplicate 1	Total Recoverable	Water	6020B	775846
500-252291-8	MW-14	Total Recoverable	Water	6020B	775846
500-252291-9	MW-15	Total Recoverable	Water	6020B	775846
500-252291-10	MW-16	Total Recoverable	Water	6020B	775846
500-252291-11	MW-06	Total Recoverable	Water	6020B	775846
500-252291-12	MW-07	Total Recoverable	Water	6020B	775846
500-252291-13	MW-01	Total Recoverable	Water	6020B	775846
500-252291-14	MW-02	Total Recoverable	Water	6020B	775846
500-252291-15	MW-03	Total Recoverable	Water	6020B	775846
500-252291-16	MW-04	Total Recoverable	Water	6020B	775846
500-252291-17	MW-05	Total Recoverable	Water	6020B	775846
500-252291-18	MW-13	Total Recoverable	Water	6020B	775846
500-252291-19	Duplicate 2	Total Recoverable	Water	6020B	775846
500-252291-20	MW-10	Total Recoverable	Water	6020B	775846
500-252291-21	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-22	MW-22	Total Recoverable	Water	6020B	775847
500-252291-23	MW-23	Total Recoverable	Water	6020B	775847
500-252291-24	MW-08	Total Recoverable	Water	6020B	775847
500-252291-25	MW-09	Total Recoverable	Water	6020B	775847
500-252291-26	MW-12R	Total Recoverable	Water	6020B	775847
500-252291-27	MW-11	Total Recoverable	Water	6020B	775847
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	6020B	775846
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	6020B	775847
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775846
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775847
500-252291-1 MS	MW-17	Total Recoverable	Water	6020B	775846
500-252291-1 MSD	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-1 DU	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	6020B	775847

Analysis Batch: 776091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-11	MW-06	Total/NA	Water	7470A	775919
500-252291-12	MW-07	Total/NA	Water	7470A	775919
500-252291-13	MW-01	Total/NA	Water	7470A	775919
500-252291-14	MW-02	Total/NA	Water	7470A	775919
500-252291-15	MW-03	Total/NA	Water	7470A	775919
500-252291-16	MW-04	Total/NA	Water	7470A	775919
500-252291-17	MW-05	Total/NA	Water	7470A	775919
500-252291-18	MW-13	Total/NA	Water	7470A	775919
500-252291-19	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-20	MW-10	Total/NA	Water	7470A	775919
500-252291-21	Duplicate 3	Total/NA	Water	7470A	775919

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QC Association Summary

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

Job ID: 500-252291-1

Metals (Continued)

Analysis Batch: 776091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-22	MW-22	Total/NA	Water	7470A	775919
500-252291-23	MW-23	Total/NA	Water	7470A	775919
500-252291-24	MW-08	Total/NA	Water	7470A	775919
500-252291-25	MW-09	Total/NA	Water	7470A	775919
500-252291-26	MW-12R	Total/NA	Water	7470A	775919
500-252291-27	MW-11	Total/NA	Water	7470A	775919
MB 500-775919/12-A	Method Blank	Total/NA	Water	7470A	775919
LCS 500-775919/13-A	Lab Control Sample	Total/NA	Water	7470A	775919
500-252291-19 MS	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-19 MSD	Duplicate 2	Total/NA	Water	7470A	775919
500-252291-19 DU	Duplicate 2	Total/NA	Water	7470A	775919

Analysis Batch: 776102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total Recoverable	Water	6020B	775846
500-252291-2	MW-18	Total Recoverable	Water	6020B	775846
500-252291-3	MW-19	Total Recoverable	Water	6020B	775846
500-252291-4	MW-20	Total Recoverable	Water	6020B	775846
500-252291-5	MW-21	Total Recoverable	Water	6020B	775846
500-252291-6	MW-21D	Total Recoverable	Water	6020B	775846
500-252291-7	Duplicate 1	Total Recoverable	Water	6020B	775846
500-252291-8	MW-14	Total Recoverable	Water	6020B	775846
500-252291-9	MW-15	Total Recoverable	Water	6020B	775846
500-252291-10	MW-16	Total Recoverable	Water	6020B	775846
500-252291-11	MW-06	Total Recoverable	Water	6020B	775846
500-252291-12	MW-07	Total Recoverable	Water	6020B	775846
500-252291-13	MW-01	Total Recoverable	Water	6020B	775846
500-252291-14	MW-02	Total Recoverable	Water	6020B	775846
500-252291-15	MW-03	Total Recoverable	Water	6020B	775846
500-252291-16	MW-04	Total Recoverable	Water	6020B	775846
500-252291-17	MW-05	Total Recoverable	Water	6020B	775846
500-252291-18	MW-13	Total Recoverable	Water	6020B	775846
500-252291-19	Duplicate 2	Total Recoverable	Water	6020B	775846
500-252291-20	MW-10	Total Recoverable	Water	6020B	775846
500-252291-21	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-22	MW-22	Total Recoverable	Water	6020B	775847
500-252291-23	MW-23	Total Recoverable	Water	6020B	775847
500-252291-24	MW-08	Total Recoverable	Water	6020B	775847
500-252291-25	MW-09	Total Recoverable	Water	6020B	775847
500-252291-26	MW-12R	Total Recoverable	Water	6020B	775847
500-252291-27	MW-11	Total Recoverable	Water	6020B	775847
MB 500-775846/1-A	Method Blank	Total Recoverable	Water	6020B	775846
MB 500-775847/1-A	Method Blank	Total Recoverable	Water	6020B	775847
LCS 500-775846/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775846
LCS 500-775847/2-A	Lab Control Sample	Total Recoverable	Water	6020B	775847
500-252291-1 MS	MW-17	Total Recoverable	Water	6020B	775846
500-252291-1 MSD	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 MS	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-21 MSD	Duplicate 3	Total Recoverable	Water	6020B	775847
500-252291-1 DU	MW-17	Total Recoverable	Water	6020B	775846
500-252291-21 DU	Duplicate 3	Total Recoverable	Water	6020B	775847

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry

Analysis Batch: 773324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 CI- E	
500-252291-2	MW-18	Total/NA	Water	SM 4500 CI- E	
500-252291-3	MW-19	Total/NA	Water	SM 4500 CI- E	
500-252291-4	MW-20	Total/NA	Water	SM 4500 CI- E	
500-252291-5	MW-21	Total/NA	Water	SM 4500 CI- E	
500-252291-6	MW-21D	Total/NA	Water	SM 4500 CI- E	
MB 500-773324/67	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773324/68	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 773351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 2540C	
500-252291-2	MW-18	Total/NA	Water	SM 2540C	
500-252291-3	MW-19	Total/NA	Water	SM 2540C	
500-252291-4	MW-20	Total/NA	Water	SM 2540C	
500-252291-5	MW-21	Total/NA	Water	SM 2540C	
500-252291-6	MW-21D	Total/NA	Water	SM 2540C	
500-252291-7	Duplicate 1	Total/NA	Water	SM 2540C	
500-252291-8	MW-14	Total/NA	Water	SM 2540C	
500-252291-9	MW-15	Total/NA	Water	SM 2540C	
500-252291-10	MW-16	Total/NA	Water	SM 2540C	
500-252291-11	MW-06	Total/NA	Water	SM 2540C	
500-252291-12	MW-07	Total/NA	Water	SM 2540C	
MB 500-773351/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773351/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-252291-1 MS	MW-17	Total/NA	Water	SM 2540C	
500-252291-1 DU	MW-17	Total/NA	Water	SM 2540C	
500-252291-2 DU	MW-18	Total/NA	Water	SM 2540C	

Analysis Batch: 773523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-8	MW-14	Total/NA	Water	SM 4500 CI- E	
500-252291-9	MW-15	Total/NA	Water	SM 4500 CI- E	
500-252291-10	MW-16	Total/NA	Water	SM 4500 CI- E	
500-252291-11	MW-06	Total/NA	Water	SM 4500 CI- E	
500-252291-12	MW-07	Total/NA	Water	SM 4500 CI- E	
MB 500-773523/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773523/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 773545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-13	MW-01	Total/NA	Water	SM 2540C	
500-252291-14	MW-02	Total/NA	Water	SM 2540C	
500-252291-15	MW-03	Total/NA	Water	SM 2540C	
500-252291-16	MW-04	Total/NA	Water	SM 2540C	
500-252291-17	MW-05	Total/NA	Water	SM 2540C	
500-252291-18	MW-13	Total/NA	Water	SM 2540C	
500-252291-19	Duplicate 2	Total/NA	Water	SM 2540C	
500-252291-20	MW-10	Total/NA	Water	SM 2540C	
MB 500-773545/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773545/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 773545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-13 MS	MW-01	Total/NA	Water	SM 2540C	
500-252291-13 DU	MW-01	Total/NA	Water	SM 2540C	
500-252291-14 DU	MW-02	Total/NA	Water	SM 2540C	

Analysis Batch: 773814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	SM 2540C	
500-252291-22	MW-22	Total/NA	Water	SM 2540C	
500-252291-23	MW-23	Total/NA	Water	SM 2540C	
500-252291-24	MW-08	Total/NA	Water	SM 2540C	
500-252291-25	MW-09	Total/NA	Water	SM 2540C	
500-252291-26	MW-12R	Total/NA	Water	SM 2540C	
500-252291-27	MW-11	Total/NA	Water	SM 2540C	
MB 500-773814/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-773814/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 773841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 CI- E	
500-252291-13	MW-01	Total/NA	Water	SM 4500 CI- E	
500-252291-14	MW-02	Total/NA	Water	SM 4500 CI- E	
500-252291-15	MW-03	Total/NA	Water	SM 4500 CI- E	
500-252291-16	MW-04	Total/NA	Water	SM 4500 CI- E	
500-252291-17	MW-05	Total/NA	Water	SM 4500 CI- E	
500-252291-18	MW-13	Total/NA	Water	SM 4500 CI- E	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 CI- E	
500-252291-20	MW-10	Total/NA	Water	SM 4500 CI- E	
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 CI- E	
500-252291-22	MW-22	Total/NA	Water	SM 4500 CI- E	
500-252291-23	MW-23	Total/NA	Water	SM 4500 CI- E	
500-252291-24	MW-08	Total/NA	Water	SM 4500 CI- E	
500-252291-25	MW-09	Total/NA	Water	SM 4500 CI- E	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 CI- E	
500-252291-27	MW-11	Total/NA	Water	SM 4500 CI- E	
MB 500-773841/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-773841/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 774273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-252291-2	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-252291-3	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-252291-4	MW-20	Total/NA	Water	SM 4500 SO4 E	
500-252291-5	MW-21	Total/NA	Water	SM 4500 SO4 E	
500-252291-6	MW-21D	Total/NA	Water	SM 4500 SO4 E	
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 SO4 E	
500-252291-8	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-252291-9	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-252291-10	MW-16	Total/NA	Water	SM 4500 SO4 E	
500-252291-11	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-252291-12	MW-07	Total/NA	Water	SM 4500 SO4 E	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 774273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-13	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-252291-14	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-252291-15	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-252291-16	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-252291-17	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-252291-18	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 SO4 E	
500-252291-20	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 SO4 E	
500-252291-22	MW-22	Total/NA	Water	SM 4500 SO4 E	
500-252291-23	MW-23	Total/NA	Water	SM 4500 SO4 E	
500-252291-24	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-252291-25	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 SO4 E	
500-252291-27	MW-11	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/118	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 500-774273/64	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/119	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 500-774273/65	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-252291-3 MS	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-252291-3 MSD	MW-19	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 774793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	SM 4500 F C	
MB 500-774793/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-774793/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252291-1 MS	MW-17	Total/NA	Water	SM 4500 F C	
500-252291-1 MSD	MW-17	Total/NA	Water	SM 4500 F C	

Analysis Batch: 776165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-2	MW-18	Total/NA	Water	SM 4500 F C	
500-252291-3	MW-19	Total/NA	Water	SM 4500 F C	
500-252291-4	MW-20	Total/NA	Water	SM 4500 F C	
500-252291-5	MW-21	Total/NA	Water	SM 4500 F C	
500-252291-6	MW-21D	Total/NA	Water	SM 4500 F C	
500-252291-7	Duplicate 1	Total/NA	Water	SM 4500 F C	
500-252291-8	MW-14	Total/NA	Water	SM 4500 F C	
500-252291-9	MW-15	Total/NA	Water	SM 4500 F C	
500-252291-10	MW-16	Total/NA	Water	SM 4500 F C	
500-252291-11	MW-06	Total/NA	Water	SM 4500 F C	
500-252291-12	MW-07	Total/NA	Water	SM 4500 F C	
500-252291-13	MW-01	Total/NA	Water	SM 4500 F C	
500-252291-14	MW-02	Total/NA	Water	SM 4500 F C	
500-252291-15	MW-03	Total/NA	Water	SM 4500 F C	
500-252291-16	MW-04	Total/NA	Water	SM 4500 F C	
500-252291-17	MW-05	Total/NA	Water	SM 4500 F C	
500-252291-18	MW-13	Total/NA	Water	SM 4500 F C	
500-252291-19	Duplicate 2	Total/NA	Water	SM 4500 F C	
500-252291-20	MW-10	Total/NA	Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 500-252291-1

General Chemistry (Continued)

Analysis Batch: 776165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	SM 4500 F C	
500-252291-22	MW-22	Total/NA	Water	SM 4500 F C	
500-252291-23	MW-23	Total/NA	Water	SM 4500 F C	
500-252291-24	MW-08	Total/NA	Water	SM 4500 F C	
500-252291-25	MW-09	Total/NA	Water	SM 4500 F C	
500-252291-26	MW-12R	Total/NA	Water	SM 4500 F C	
500-252291-27	MW-11	Total/NA	Water	SM 4500 F C	
MB 500-776165/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-776165/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-776165/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-776165/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-252291-2 MS	MW-18	Total/NA	Water	SM 4500 F C	
500-252291-2 MSD	MW-18	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

Job ID: 500-252291-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-775846/1-A
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:31	07/09/24 16:27	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Barium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:27	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:31	07/09/24 16:27	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:31	07/09/24 16:27	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:31	07/09/24 16:27	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:31	07/09/24 16:27	1

Lab Sample ID: MB 500-775846/1-A
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		07/09/24 08:31	07/10/24 12:02	1
Calcium	<0.20		0.20		mg/L		07/09/24 08:31	07/10/24 12:02	1
Lithium	<0.010		0.010		mg/L		07/09/24 08:31	07/10/24 12:02	1

Lab Sample ID: LCS 500-775846/2-A
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0960		mg/L		96	80 - 120
Barium	0.500	0.488		mg/L		98	80 - 120
Beryllium	0.0500	0.0506		mg/L		101	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Chromium	0.200	0.197		mg/L		99	80 - 120
Cobalt	0.500	0.502		mg/L		100	80 - 120
Lead	0.100	0.0994		mg/L		99	80 - 120
Molybdenum	1.00	0.915		mg/L		92	80 - 120
Selenium	0.100	0.0982		mg/L		98	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-775846/2-A
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	8.32		mg/L		83	80 - 120
Lithium	0.100	0.109		mg/L		109	80 - 120

QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-1 MS
Matrix: Water
Analysis Batch: 776031

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.529		mg/L		106	75 - 125
Arsenic	0.0027		0.100	0.0995		mg/L		97	75 - 125
Barium	0.026		0.500	0.519		mg/L		99	75 - 125
Beryllium	<0.0010		0.0500	0.0465		mg/L		93	75 - 125
Cadmium	<0.00050		0.0500	0.0489		mg/L		97	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.486		mg/L		97	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		102	75 - 125
Molybdenum	0.062		1.00	1.02		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.0960		mg/L		96	75 - 125
Thallium	0.0022		0.100	0.103		mg/L		101	75 - 125

Lab Sample ID: 500-252291-1 MS
Matrix: Water
Analysis Batch: 776102

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.1		1.00	2.26		mg/L		115	75 - 125
Calcium	160		10.0	163	4	mg/L		65	75 - 125
Lithium	0.013		0.100	0.114		mg/L		101	75 - 125

Lab Sample ID: 500-252291-1 MSD
Matrix: Water
Analysis Batch: 776031

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.534		mg/L		107	75 - 125	1	20
Arsenic	0.0027		0.100	0.0984		mg/L		96	75 - 125	1	20
Barium	0.026		0.500	0.526		mg/L		100	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0497		mg/L		99	75 - 125	6	20
Cadmium	<0.00050		0.0500	0.0489		mg/L		98	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	0	20
Cobalt	<0.0010		0.500	0.487		mg/L		97	75 - 125	0	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	2	20
Molybdenum	0.062		1.00	1.02		mg/L		96	75 - 125	1	20
Selenium	<0.0025		0.100	0.0956		mg/L		96	75 - 125	0	20
Thallium	0.0022		0.100	0.103		mg/L		101	75 - 125	0	20

Lab Sample ID: 500-252291-1 MSD
Matrix: Water
Analysis Batch: 776102

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.1		1.00	2.33		mg/L		123	75 - 125	3	20
Calcium	160		10.0	166	4	mg/L		88	75 - 125	1	20
Lithium	0.013		0.100	0.116		mg/L		104	75 - 125	2	20

QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 776031

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0027		0.00253		mg/L		5	20
Barium	0.026		0.0253		mg/L		4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.062		0.0591		mg/L		4	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	0.0022		<0.0020		mg/L		NC	20

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 776102

Client Sample ID: MW-17
Prep Type: Total Recoverable
Prep Batch: 775846

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Boron	1.1		1.09		mg/L		1	20
Calcium	160		153		mg/L		2	20
Lithium	0.013		0.0126		mg/L		0.6	20

Lab Sample ID: MB 500-775847/1-A
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		07/09/24 08:32	07/09/24 18:23	1
Arsenic	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Barium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:23	1
Beryllium	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Cadmium	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Chromium	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Cobalt	<0.0010		0.0010		mg/L		07/09/24 08:32	07/09/24 18:23	1
Lead	<0.00050		0.00050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Molybdenum	<0.0050		0.0050		mg/L		07/09/24 08:32	07/09/24 18:23	1
Selenium	<0.0025		0.0025		mg/L		07/09/24 08:32	07/09/24 18:23	1
Thallium	<0.0020		0.0020		mg/L		07/09/24 08:32	07/09/24 18:23	1

Lab Sample ID: MB 500-775847/1-A
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		07/09/24 08:32	07/10/24 13:09	1
Calcium	<0.20		0.20		mg/L		07/09/24 08:32	07/10/24 13:09	1
Lithium	<0.010		0.010		mg/L		07/09/24 08:32	07/10/24 13:09	1

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QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: LCS 500-775847/2-A
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.505		mg/L		101	80 - 120
Arsenic	0.100	0.0958		mg/L		96	80 - 120
Barium	0.500	0.484		mg/L		97	80 - 120
Beryllium	0.0500	0.0540		mg/L		108	80 - 120
Cadmium	0.0500	0.0473		mg/L		95	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Lead	0.100	0.0979		mg/L		98	80 - 120
Molybdenum	1.00	0.911		mg/L		91	80 - 120
Selenium	0.100	0.0980		mg/L		98	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-775847/2-A
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.18		mg/L		118	80 - 120
Calcium	10.0	8.44		mg/L		84	80 - 120
Lithium	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: 500-252291-21 MS
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.517		mg/L		103	75 - 125
Arsenic	<0.0010		0.100	0.0954		mg/L		95	75 - 125
Barium	0.033		0.500	0.520		mg/L		97	75 - 125
Beryllium	<0.0010		0.0500	0.0499		mg/L		100	75 - 125
Cadmium	<0.00050		0.0500	0.0475		mg/L		95	75 - 125
Chromium	<0.0050		0.200	0.193		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.493		mg/L		99	75 - 125
Lead	<0.00050		0.100	0.0990		mg/L		99	75 - 125
Lithium	<0.010	^1+	0.100	0.104	^1+	mg/L		104	75 - 125
Molybdenum	0.024		1.00	0.956		mg/L		93	75 - 125
Selenium	<0.0025		0.100	0.0968		mg/L		95	75 - 125
Thallium	<0.0020		0.100	0.0998		mg/L		99	75 - 125

Lab Sample ID: 500-252291-21 MS
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.9		1.00	4.14		mg/L		123	75 - 125
Calcium	69		10.0	79.6	4	mg/L		102	75 - 125

QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: 500-252291-21 MSD
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Antimony	<0.0030		0.500	0.510		mg/L		102	75 - 125	1	20
Arsenic	<0.0010		0.100	0.0947		mg/L		94	75 - 125	1	20
Barium	0.033		0.500	0.515		mg/L		96	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0492		mg/L		98	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0477		mg/L		95	75 - 125	0	20
Chromium	<0.0050		0.200	0.191		mg/L		96	75 - 125	1	20
Cobalt	<0.0010		0.500	0.484		mg/L		97	75 - 125	2	20
Lead	<0.00050		0.100	0.0962		mg/L		96	75 - 125	3	20
Lithium	<0.010	^1+	0.100	0.0997	^1+	mg/L		100	75 - 125	4	20
Molybdenum	0.024		1.00	0.936		mg/L		91	75 - 125	2	20
Selenium	<0.0025		0.100	0.0960		mg/L		94	75 - 125	1	20
Thallium	<0.0020		0.100	0.0990		mg/L		98	75 - 125	1	20

Lab Sample ID: 500-252291-21 MSD
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Boron	2.9		1.00	4.06		mg/L		115	75 - 125	2	20
Calcium	69		10.0	78.5	4	mg/L		91	75 - 125	1	20

Lab Sample ID: 500-252291-21 DU
Matrix: Water
Analysis Batch: 776031

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.033		0.0338		mg/L		1	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Lithium	<0.010	^1+	<0.010	^1+	mg/L		NC	20
Molybdenum	0.024		0.0249		mg/L		2	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-252291-21 DU
Matrix: Water
Analysis Batch: 776102

Client Sample ID: Duplicate 3
Prep Type: Total Recoverable
Prep Batch: 775847

Analyte	Sample	Sample	DU		Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Boron	2.9		2.95		mg/L		2	20
Calcium	69		71.1		mg/L		3	20

QC Sample Results

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

Job ID: 500-252291-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-775706/12-A
Matrix: Water
Analysis Batch: 775890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/08/24 10:55	07/09/24 08:16	1

Lab Sample ID: LCS 500-775706/13-A
Matrix: Water
Analysis Batch: 775890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00198		mg/L		99	80 - 120

Lab Sample ID: 500-252291-4 MS
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000989		mg/L		99	75 - 125

Lab Sample ID: 500-252291-4 MSD
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000958		mg/L		96	75 - 125	3	20

Lab Sample ID: 500-252291-4 DU
Matrix: Water
Analysis Batch: 775890

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 775706

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		0.00179		mg/L		NC	20

Lab Sample ID: MB 500-775919/12-A
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 775919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/09/24 14:25	07/10/24 08:57	1

Lab Sample ID: LCS 500-775919/13-A
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 775919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00195		mg/L		97	80 - 120

Lab Sample ID: 500-252291-19 MS
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Duplicate 2
Prep Type: Total/NA
Prep Batch: 775919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.00109		mg/L		109	75 - 125

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QC Sample Results

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

Job ID: 500-252291-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-252291-19 MSD
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Duplicate 2
Prep Type: Total/NA
Prep Batch: 775919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.00108		mg/L		108	75 - 125	1	20

Lab Sample ID: 500-252291-19 DU
Matrix: Water
Analysis Batch: 776091

Client Sample ID: Duplicate 2
Prep Type: Total/NA
Prep Batch: 775919

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 500-773351/1
Matrix: Water
Analysis Batch: 773351

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/19/24 22:34	1

Lab Sample ID: LCS 500-773351/2
Matrix: Water
Analysis Batch: 773351

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

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

Lab Sample ID: 500-252291-1 MS
Matrix: Water
Analysis Batch: 773351

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1500		250	1780	4	mg/L		98	75 - 125

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 773351

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1500		1550		mg/L		0.8	5

Lab Sample ID: 500-252291-2 DU
Matrix: Water
Analysis Batch: 773351

Client Sample ID: MW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1100		mg/L		4	5

QC Sample Results

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

Job ID: 500-252291-1

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

Lab Sample ID: MB 500-773545/1
Matrix: Water
Analysis Batch: 773545

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/20/24 22:29	1

Lab Sample ID: LCS 500-773545/2
Matrix: Water
Analysis Batch: 773545

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

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

Lab Sample ID: 500-252291-13 MS
Matrix: Water
Analysis Batch: 773545

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	550		250	748		mg/L		80	75 - 125

Lab Sample ID: 500-252291-13 DU
Matrix: Water
Analysis Batch: 773545

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

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	550			538		mg/L		2	5

Lab Sample ID: 500-252291-14 DU
Matrix: Water
Analysis Batch: 773545

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	610			592		mg/L		3	5

Lab Sample ID: MB 500-773814/1
Matrix: Water
Analysis Batch: 773814

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/23/24 20:42	1

Lab Sample ID: LCS 500-773814/2
Matrix: Water
Analysis Batch: 773814

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	254		mg/L		102	80 - 120

QC Sample Results

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

Job ID: 500-252291-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-773324/67
Matrix: Water
Analysis Batch: 773324

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/19/24 12:20	1

Lab Sample ID: LCS 500-773324/68
Matrix: Water
Analysis Batch: 773324

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.6		mg/L		98	85 - 115

Lab Sample ID: MB 500-773523/16
Matrix: Water
Analysis Batch: 773523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/20/24 10:14	1

Lab Sample ID: LCS 500-773523/17
Matrix: Water
Analysis Batch: 773523

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.3		mg/L		96	85 - 115

Lab Sample ID: MB 500-773841/16
Matrix: Water
Analysis Batch: 773841

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/23/24 11:20	1

Lab Sample ID: LCS 500-773841/17
Matrix: Water
Analysis Batch: 773841

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.4		mg/L		97	85 - 115

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-774793/3
Matrix: Water
Analysis Batch: 774793

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			06/28/24 09:45	1

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QC Sample Results

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

Job ID: 500-252291-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-774793/4
Matrix: Water
Analysis Batch: 774793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.53		mg/L		95	90 - 119

Lab Sample ID: 500-252291-1 MS
Matrix: Water
Analysis Batch: 774793

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	0.70		5.00	6.05		mg/L		107	75 - 125

Lab Sample ID: 500-252291-1 MSD
Matrix: Water
Analysis Batch: 774793

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	0.70		5.00	5.96		mg/L		105	75 - 125	1	20

Lab Sample ID: MB 500-776165/3
Matrix: Water
Analysis Batch: 776165

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			07/10/24 16:41	1

Lab Sample ID: MB 500-776165/31
Matrix: Water
Analysis Batch: 776165

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			07/10/24 18:53	1

Lab Sample ID: LCS 500-776165/32
Matrix: Water
Analysis Batch: 776165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.0		mg/L		100	90 - 119

Lab Sample ID: LCS 500-776165/4
Matrix: Water
Analysis Batch: 776165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.91		mg/L		99	90 - 119

Lab Sample ID: 500-252291-2 MS
Matrix: Water
Analysis Batch: 776165

Client Sample ID: MW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.52		5.00	5.63		mg/L		102	75 - 125

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QC Sample Results

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

Job ID: 500-252291-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: 500-252291-2 MSD
Matrix: Water
Analysis Batch: 776165

Client Sample ID: MW-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.52		5.00	5.62		mg/L		102	75 - 125	0	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-774273/118
Matrix: Water
Analysis Batch: 774273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/25/24 15:16	1

Lab Sample ID: MB 500-774273/64
Matrix: Water
Analysis Batch: 774273

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/25/24 13:12	1

Lab Sample ID: LCS 500-774273/119
Matrix: Water
Analysis Batch: 774273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.6		mg/L		108	88 - 123

Lab Sample ID: LCS 500-774273/65
Matrix: Water
Analysis Batch: 774273

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.2		mg/L		106	88 - 123

Lab Sample ID: 500-252291-3 MS
Matrix: Water
Analysis Batch: 774273

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	130	F1	20.0	143	4	mg/L		75	75 - 125

Lab Sample ID: 500-252291-3 MSD
Matrix: Water
Analysis Batch: 774273

Client Sample ID: MW-19
Prep Type: Total/NA


Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	130	F1	20.0	143	4	mg/L		77	75 - 125	0	20

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2417 Bond Street
 University Park, IL 60484
 Phone 708-634-6200 Fax: 708-634-6211

Chain of Custody Record

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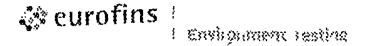
Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 2</u>			
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@et.eurofins.com</u>		State of Origin: <u>IL</u>		Page <u>2 of 8</u> 1 of 1			
Company: <u>KPRG and Associates, Inc.</u>		PWSID:		Analysis Requested						Job #: <u>500-252291</u>	
Address: <u>14865 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		 <p>500-252291 COC</p>						Preservation Codes: D - HNO3 N - None	
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>								Other:	
State, Zip: <u>WI, 53005</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4602160845</u>									
Email: <u>kaelyns@kprginc.com</u>		WO #:									
Project Name: <u>Powerton CCR Event Desc: Quarterly Powerton CCR Sampling</u>		Project #: <u>60011612</u>		SSOW#:		Special Instructions/Note:					
Site: <u>Illinois</u>											
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	
										<input type="checkbox"/> D <input type="checkbox"/> D <input type="checkbox"/> N <input type="checkbox"/> N	
MW-12								Water			
MW-13								Water			
MW-14								Water			
MW-15								Water			
MW-16								Water			
1 MW-17		<u>6/17/24</u>		<u>1446</u>		<u>G</u>		Water		<u>7</u>	
2 MW-18		<u>6/17/24</u>		<u>1539</u>				Water			
3 MW-19		<u>6/17/24</u>		<u>1620</u>				Water			
4 MW-20		<u>6/17/24</u>		<u>1337</u>				Water			
5 MW-21		<u>6/17/24</u>		<u>1136</u>				Water			
6 MW-21D		<u>6/17/24</u>		<u>1242</u>				Water			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements					
Empty Kit Relinquished by				Date		Time		Method of Shipment:			
Relinquished by: <u>Kaelyn Sperle</u>				Date/Time: <u>6/17/24/1730</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/17/24/1730</u>	
Relinquished by:				Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/18/24 0945</u>	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>5.0-4.6, 6.1-5.8</u>							



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

Chain of Custody Record



Client Information		Sampler: <u>Jack Mizner</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s)		COC No: <u>500-123641-49657 2</u>					
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-622-1143</u>		E-Mail: <u>Diana.Mockler@et.eurofinsus.com</u>		State of Origin: <u>IL</u>		Page: <u>2 of 3</u> Page <u>1 of 1</u>					
Company: <u>KPRG and Associates, Inc.</u>		PWSID		Analysis Requested						Job #: <u>500-252291</u>			
Address: <u>14665 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		TAT Requested (days): <u>Standard</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: <u>4502160845</u>		WO #: _____		Preservation Codes: D HNO3 N None	
City: <u>Brookfield</u>		Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011612</u>		SSOW#: _____		Site: <u>Illinois</u>		Other: _____		Special Instructions/Note:	
State, Zip: <u>WI, 53005</u>		Phone: <u>262-781-0475(Tel)</u>		Email: <u>kaelyns@kprginc.com</u>		Field Filtered Sample (Yes or No)		Performs (MS/MSD) (Yes or No)		903.0, 904.0		6020A, 7470A	
262-781-0475(Tel)		262-781-0475(Tel)		kaelyns@kprginc.com		2540C, 4500_F_C, SM4500_CLE		SM4500_SO4_E - Sulfate		Total Number of Containers		Special Instructions/Note:	
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011612</u>		SSOW#: _____		Site: <u>Illinois</u>		Other: _____		Special Instructions/Note:		Special Instructions/Note:	
Site: <u>Illinois</u>		Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code	
7 MW-12 <u>Duplicate 1</u>		6/18/24		-		G		Water		N		N	
8 MW-13													
9 MW-14		6/18/24		0941		G		Water		N		N	
10 MW-15		6/18/24		1110		G		Water		N		N	
11 MW-16		6/18/24		1513		G		Water		N		N	
12 MW-17													
13 MW-18													
14 MW-19													
15 MW-20													
16 MW-21 <u>MW-06</u>		6/18/24		1244		G		Water		N		N	
17 MW-22 <u>MW-07</u>		6/18/24		1356		G		Water		N		N	
Possible Hazard Identification		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	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Deliverable Requested I, II, III, IV, Other (specify)		Special Instructions/QC Requirements		Empty Kit Relinquished by		Date		Time	
Relinquished by: <u>Jack Mizner</u>		Date/Time: <u>6/18/24 1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/18/24 1700</u>		Company: <u>FedEx</u>		Method of Shipment:	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: <u>Shw</u>		Date/Time: <u>6/19/24 0958</u>		Company: <u>EPRI</u>		Custody Seals Intact	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____		Company: _____		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Custody Seal No		Cooler Temperature(s) °C and other Remarks: <u>5.29, 5.4 → 5.0</u>		Custody Seal No		Cooler Temperature(s) °C and other Remarks: _____		Custody Seal No		Cooler Temperature(s) °C and other Remarks: _____		Custody Seal No	

Eurofins Chicago

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University Park, IL 60484
Phone 708-634-6200 Fax. 708-634-6211

Chain of Custody Record

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Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>			
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.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>500-252291</u>	
Address: <u>14885 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MS (Yes or No) <input type="checkbox"/> 903.0, 904.0 <input type="checkbox"/> 6020A, 7470A <input type="checkbox"/> 2540C, 4500_F_C, SM4500_CLE <input type="checkbox"/> SM4500_SO4_E - Sulfate <input type="checkbox"/>		Total Number of Containers:		Preservation Codes: <u>D - HNO3</u> <u>N - None</u>			
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>						Other:			
State, Zip: <u>WI, 53005</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502180845</u>									
Email: <u>kaelyns@kprginc.com</u>		WO #:									
Project Name: <u>Powerton CCR Event Desc: Quarterly Powerton CCR Sampling</u>		Project #: <u>60011612</u>		SSOW#:							
Site: <u>Illinois</u>											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)		Special Instructions/Note:	
<u>13 MW-01</u>		<u>6/19/24</u>		<u>1106</u>		<u>G</u>		<u>Water</u>			
<u>14 MW-02</u>		<u>6/19/24</u>		<u>0857</u>				<u>Water</u>			
<u>15 MW-03</u>		<u>6/19/24</u>		<u>1002</u>				<u>Water</u>			
<u>16 MW-04</u>		<u>6/19/24</u>		<u>1220</u>				<u>Water</u>			
<u>17 MW-05</u>		<u>6/19/24</u>		<u>1318</u>				<u>Water</u>			
<u>18 MW-06 - MW-13</u>		<u>6/19/24</u>		<u>1428</u>				<u>Water</u>			
<u>19 MW-07 Duplicate 2</u>		<u>6/19/24</u>		<u>-</u>				<u>Water</u>			
<u>20 MW-10</u>		<u>6/19/24</u>		<u>1532</u>				<u>Water</u>			
<u>MW-11</u>								<u>Water</u>			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements					
Empty Kit Relinquished by				Date:		Time		Method of Shipment:			
Relinquished by: <u>Kaelyn Orule</u>				Date/Time: <u>6/19/24/1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/19/24/1700</u>	
Relinquished by:				Date/Time:		Company:		Received by: <u>Shu Smith</u>		Date/Time: <u>6/20/24 0945</u>	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature (°C) and Other Remarks: <u>5.9-7.55, 5.4-7.50, 3.8-7.34</u>							

Eurofins Chicago

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

Chain of Custody Record

eurofins | Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>			
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@et.eurofins.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>500-252291</u>			
Address: <u>14865 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		 <p>500-252291 COC</p>				Preservation Codes: D - HNO3 N - None			
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>						Other:			
State, Zip: <u>WI, 53005</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502180845</u>									
Email: <u>kaelyns@kprginc.com</u>		WO #:									
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011812</u>		SSOW#:		Total Number of Containers: <u>7</u>					
Site: <u>Illinois</u>											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Special Instructions/Note:	
										Preservation Code	
MW-01								Water		D D N N	
MW-02								Water			
MW-03								Water			
MW-04								Water			
21 MW-05 Duplicate 3		6/20/24		-		G		Water		N N X X X X	
22 MW-06 MW-22		6/20/24		1233				Water			
23 MW-07 MW-23		6/20/24		1147				Water			
24 MW-08		6/20/24		0829				Water			
25 MW-09		6/20/24		1034				Water			
26 MW-10 MW-12R		6/20/24		1316				Water			
27 MW-11		6/20/24		0925				Water			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date		Time		Method of Shipment:					
Relinquished by: <u>Kaelyn Sperle</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>FedEx</u>	
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanne Hemondy</u>		Date/Time: <u>6/21/24 1000</u>		Company: <u>EEPA</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>5.1+4.7, 0.1+0.2, 7.4+7.1</u>							

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

RT 519
ST 25

JUN24
3 10:30
A
4143
06.18

Part # 1562932885
EXP 01/25

TO EUROFINS
2417 BOND ST.
UNIVERSITY PARK IL 60484



MPS# 0263 2 of 2
Mstr# 2760 2633 4143
XP JOTA

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



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

SHIP DATE: 17JUN24
ACTWGT: 60.60 LB
CAD: 6994780/SSFE2521
DIMS: 24x12x12 IN
BILL THIRD PARTY

Part # 1562932885

TO EUROFINS
2417 BOND ST.
UNIVERSITY PARK IL 60484



500-252291 Waybi

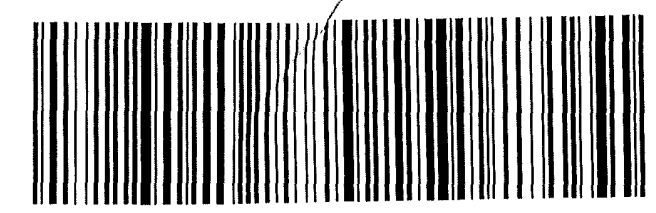
(556) 556-5556 REF: DEPT:
INV: PO:



1 of 2
TRK# 0201 2760 2633 4132
MASTER

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD

XP JOTA



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

SHIP DATE: 18JUN24
ACTWGT: 59.90 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x14 IN
BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
PO:

REF:

DEPT:

500-252291 Waybl -



FedEx
Express



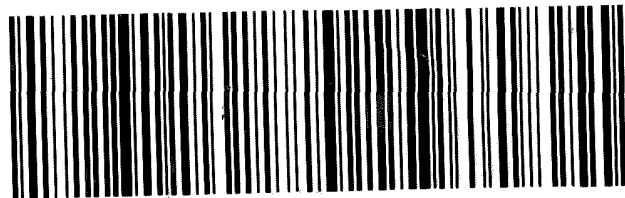
RT 519
ST 22

5 10:30
A 2866
06.19

1 of 4
TRK# 2760 7640 2866
0201
MASTER

XP JOTA

WED - 19 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



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

SHIP DATE: 18JUN24
ACTWGT: 59.90 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x14 IN
BILL THIRD PARTY

TO EUROFINS

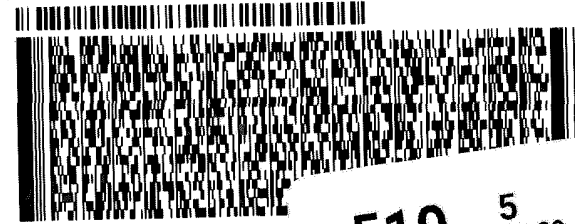
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
PO:

REF:

DEPT:



FedEx
Express



RT 519

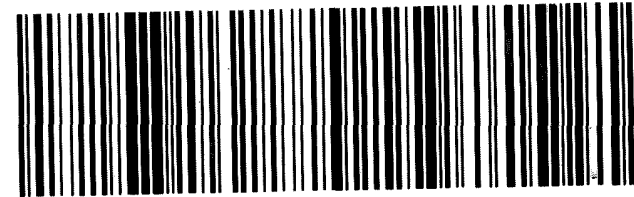
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2877 10:30A
06.19

2 of 4
MPS# 2760 7640 287
0263
Mstr# 2760 7640 2866
ST 22
0201

XP JOTA

OVERNIGHT
AHS
60484
IL-US ORD



Part # 1562972106 QR00012EXP 01/25

Part # 1562972106 QR00012EXP 01/25

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x13 IN

BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

5.4PS



UNIVERSITY PARK IL 60484

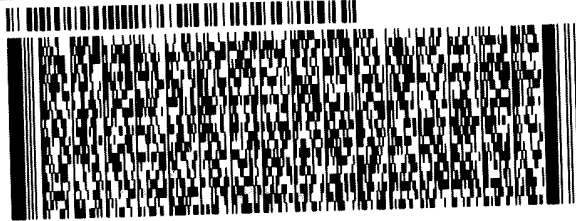
500-252291 Waybr

(555) 666-6666

REF:

INU:
PO:

DEPT:



FedEx
Express



5 of 5

MPS# 2761 2064 9620

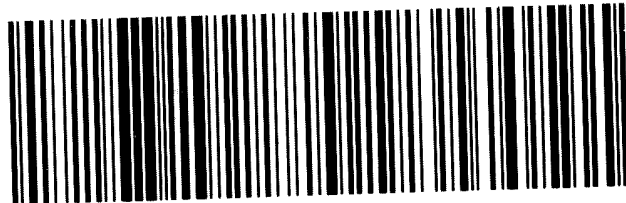
Mstr# 2761 2064 9583

0201

XP JOTA

60484
IL-US ORD

THU - 20 JUN 10:30A
PRIORITY OVERNIGHT



RT 519

ST 21

5 10:30

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9620
06.20

48PS

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB

RT 519

ST 21

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TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

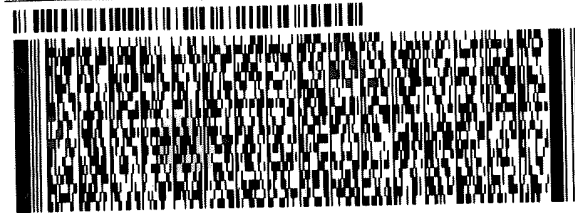
3.8PS-4

(555) 666-6666

REF:

INU:
PO:

DEPT:



FedEx
Express



1 of 5

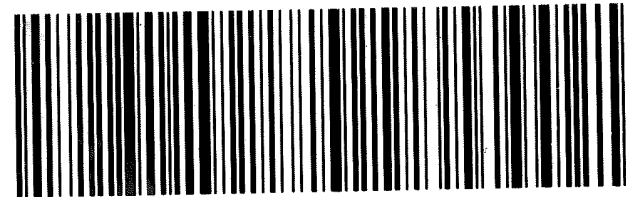
TRK# 2761 2064 9583

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MASTER

XP JOTA

60484
IL-US ORD

THU - 20 JUN 10:30A
PRIORITY OVERNIGHT



48PS

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19 JUN 24
ACTWGT: 60.25 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x13 IN
BILL THIRD PARTY

Part # 156293-869-9180WZ8EXP 01/25

TO EUROFINS

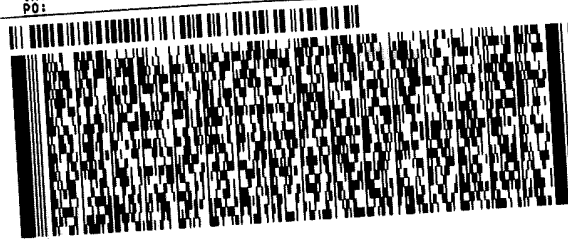
2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INV:
PO:

REF:

DEPT:



FedEx
Express



J2420240503262671 IN

3 of 5

MPS# 2761 2064 9609
0263

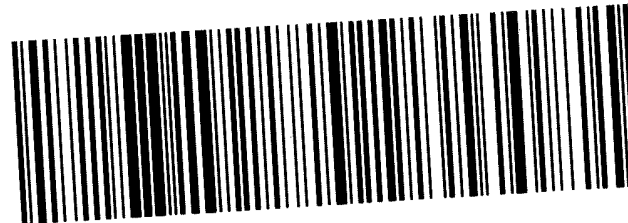
Mstr# 2761 2064 9583

0201

XP JOTA

THU - 20 JUN 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD



Handwritten marks: 46, 76, and a scribble

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Do not lift using this tag.

48 qt

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

RT 519
ST 25

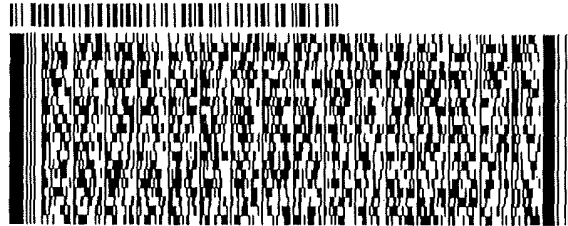
30 JUN 24
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06.21

Part # 156297-435 RFDWZ EXP 01/25
E386/DTZ/S1ERS

TO SAMPLE RECL
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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

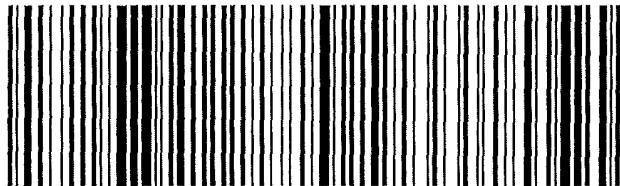


4 of 5
MPS# 2761 6140 0955
Mstr# 2761 6140 0922

FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD



Do not lift using this tag.

48 qt



500-252291 Waybi

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

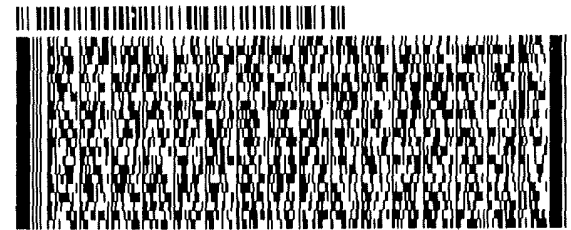
RT 519
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TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

UNIVERSITY PARK IL 60484

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

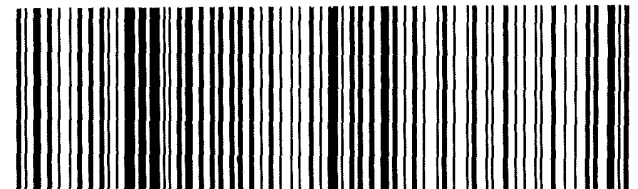


2/ of 5
MPS# 2761 6140 0933
Mstr# 2761 6140 0922

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PRIORITY OVERNIGHT

XP JOTA

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IL-US ORD



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ORIGIN ID:PIAA (000) 000-0000

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHR
C.C.
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BILL

Part # 156297-435 RRDW12 EXP 01/25
E386/1738/ST895

TO SAMPLE RECEIVING
EUROFINS
2417 BOND ST

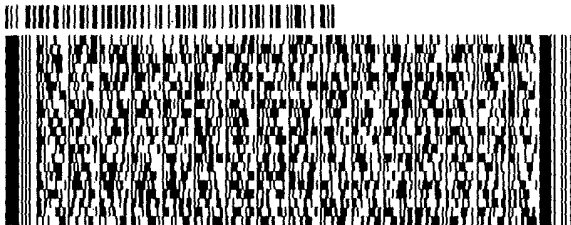
UNIVERSITY PARK IL 60484

5-1-A-7

(000) 000-0000
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AN L09263042020202020202

3 of 5

MPS# 2761 6140 0944
0263

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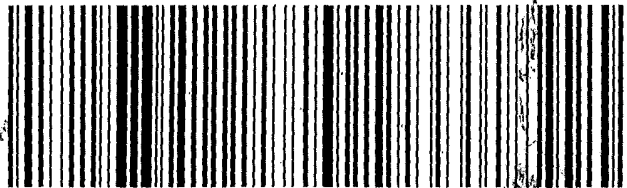
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FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

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IL-US ORD



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Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No			
Client Contact Shipping/Receiving		Phone		Mockler, Diana J		Illinois		500-189589.1			
Company TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@et.eurofins.com		State of Origin: Illinois		Page: Page 1 of 1		Job # 500-252291-2			
Address 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Preservation Codes:							
City Earth City		Due Date Requested: 6/28/2024		Analysis Requested							
State, Zip MO, 63045		TAT Requested (days):									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #									
Email:		WO #									
Project Name: Powerton CCR		Project # 50011612									
Site MWG - Powerton		SSOW#									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, Asst)	Field Filtered Sample (Yes or No)	Performance M/MSD (Yes or No)	903.0/PreSep. 21 Standard Target List	904.0/PreSep. 0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
MW-17 (500-252291-1)	6/17/24	14:46 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-18 (500-252291-2)	6/17/24	15:39 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-19 (500-252291-3)	6/17/24	16:20 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-20 (500-252291-4)	6/17/24	13:37 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-21 (500-252291-5)	6/17/24	11:36 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-21D (500-252291-6)	6/17/24	12:42 Central	Water	Water	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	

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

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: _____ Date/Time: _____ Method of Shipment: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____
 Custody Seals Intact: _____ Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks: _____

Special 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: *Sena Worthington* JUN 19 2024
 Company: *EPSON*
 Date/Time: _____
 Date/Time: _____
 Date/Time: _____
 Date/Time: _____

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-1

Login Number: 252291

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.6,5.8,5.9,5.0,5.5,5.0,3.4,4.7,0.2,7.1
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

Job ID: 500-252291-1

Client Sample ID: MW-17
Date Collected: 06/17/24 14:46
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 16:35
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:06
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:26
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:39
Total/NA	Analysis	SM 4500 CI- E		5	773324	TR	EET CHI	06/19/24 13:04
Total/NA	Analysis	SM 4500 F C		1	774793	SO	EET CHI	06/28/24 10:53
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:46

Client Sample ID: MW-18
Date Collected: 06/17/24 15:39
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:00
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:17
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:28
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:46
Total/NA	Analysis	SM 4500 CI- E		5	773324	TR	EET CHI	06/19/24 13:05
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 16:51
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 13:33

Client Sample ID: MW-19
Date Collected: 06/17/24 16:20
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:03
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:19
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:31
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:52
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:06
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 14:48

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-20
Date Collected: 06/17/24 13:37
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:07
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:25
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:33
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:54
Total/NA	Analysis	SM 4500 CI- E		2	773324	TR	EET CHI	06/19/24 13:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:11
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:47

Client Sample ID: MW-21
Date Collected: 06/17/24 11:36
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:11
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:27
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:56
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:57
Total/NA	Analysis	SM 4500 CI- E		1	773324	TR	EET CHI	06/19/24 12:23
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:15
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:15

Client Sample ID: MW-21D
Date Collected: 06/17/24 12:42
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:14
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:29
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 08:58
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 22:59
Total/NA	Analysis	SM 4500 CI- E		2	773324	TR	EET CHI	06/19/24 13:04
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:20
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 14:48

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 1

Date Collected: 06/18/24 00:00

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:18
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:31
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:07
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:02
Total/NA	Analysis	SM 4500 CI- E		10	773841	TR	EET CHI	06/23/24 11:53
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:25
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 15:50

Client Sample ID: MW-14

Date Collected: 06/18/24 09:41

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:21
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:33
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:09
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:05
Total/NA	Analysis	SM 4500 CI- E		2	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:40
Total/NA	Analysis	SM 4500 SO4 E		100	774273	TR	EET CHI	06/25/24 15:01

Client Sample ID: MW-15

Date Collected: 06/18/24 11:10

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:25
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:36
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:11
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:07
Total/NA	Analysis	SM 4500 CI- E		10	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:45
Total/NA	Analysis	SM 4500 SO4 E		20	774273	TR	EET CHI	06/25/24 14:48

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-16
Date Collected: 06/18/24 15:13
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:29
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:38
Total/NA	Prep	7470A			775706	MJG	EET CHI	07/08/24 10:55 - 07/08/24 12:55 ¹
Total/NA	Analysis	7470A		1	775890	MJG	EET CHI	07/09/24 09:13
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:10
Total/NA	Analysis	SM 4500 CI- E		1	773523	TR	EET CHI	06/20/24 10:14
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:49
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:15

Client Sample ID: MW-06
Date Collected: 06/18/24 12:44
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:32
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:40
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:02
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:12
Total/NA	Analysis	SM 4500 CI- E		5	773523	TR	EET CHI	06/20/24 11:02
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:54
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 13:35

Client Sample ID: MW-07
Date Collected: 06/18/24 13:56
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:43
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:42
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:04
Total/NA	Analysis	SM 2540C		1	773351	CLB	EET CHI	06/19/24 23:15
Total/NA	Analysis	SM 4500 CI- E		5	773523	TR	EET CHI	06/20/24 11:03
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 17:58
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 13:16

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-01
Date Collected: 06/19/24 11:06
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:47
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:44
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:06
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:34
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:53
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:03
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 15:19

Client Sample ID: MW-02
Date Collected: 06/19/24 08:57
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:50
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:50
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:08
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:41
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:08
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:31

Client Sample ID: MW-03
Date Collected: 06/19/24 10:02
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:54
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:52
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:10
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:47
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:13
Total/NA	Analysis	SM 4500 SO4 E		2	774273	TR	EET CHI	06/25/24 15:31

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-04
Date Collected: 06/19/24 12:20
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 17:57
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:54
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:12
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:49
Total/NA	Analysis	SM 4500 Cl- E		2	773841	TR	EET CHI	06/23/24 11:54
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:17
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:50

Client Sample ID: MW-05
Date Collected: 06/19/24 13:18
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:01
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 12:56
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 09:14
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:52
Total/NA	Analysis	SM 4500 Cl- E		2	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:21
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:32

Client Sample ID: MW-13
Date Collected: 06/19/24 14:28
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:05
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 12:58
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:27
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:54
Total/NA	Analysis	SM 4500 Cl- E		5	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:36
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:51

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: Duplicate 2
Date Collected: 06/19/24 00:00
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:08
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:01
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:29
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 22:57
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:55
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:40
Total/NA	Analysis	SM 4500 SO4 E		1	774273	TR	EET CHI	06/25/24 15:17

Client Sample ID: MW-10
Date Collected: 06/19/24 15:32
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:12
Total Recoverable	Prep	3005A			775846	BDE	EET CHI	07/09/24 08:31 - 07/09/24 14:31 ¹
Total Recoverable	Analysis	6020B		10	776102	RN	EET CHI	07/10/24 13:03
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:42
Total/NA	Analysis	SM 2540C		1	773545	CLB	EET CHI	06/20/24 23:00
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:45
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:51

Client Sample ID: Duplicate 3
Date Collected: 06/20/24 00:00
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:30
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:13
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:44
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:05
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 18:49
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:51

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-22
Date Collected: 06/20/24 12:33
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:48
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:24
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:46
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:07
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:56
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:04
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:33

Client Sample ID: MW-23
Date Collected: 06/20/24 11:47
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:52
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:26
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:48
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:10
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:22
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:08
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-08
Date Collected: 06/20/24 08:29
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 18:55
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:28
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:50
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:13
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:56
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:13
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:35

Lab Chronicle

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

Job ID: 500-252291-1

Client Sample ID: MW-09
Date Collected: 06/20/24 10:34
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:06
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:35
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:53
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:15
Total/NA	Analysis	SM 4500 CI- E		1	773841	TR	EET CHI	06/23/24 11:23
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:17
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-12R
Date Collected: 06/20/24 13:16
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:10
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776102	RN	EET CHI	07/10/24 13:37
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:55
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:18
Total/NA	Analysis	SM 4500 CI- E		5	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:31
Total/NA	Analysis	SM 4500 SO4 E		10	774273	TR	EET CHI	06/25/24 15:52

Client Sample ID: MW-11
Date Collected: 06/20/24 09:25
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		1	776031	RN	EET CHI	07/09/24 19:13
Total Recoverable	Prep	3005A			775847	BDE	EET CHI	07/09/24 08:32 - 07/09/24 14:32 ¹
Total Recoverable	Analysis	6020B		5	776102	RN	EET CHI	07/10/24 13:39
Total/NA	Prep	7470A			775919	MJG	EET CHI	07/09/24 14:25 - 07/09/24 16:25 ¹
Total/NA	Analysis	7470A		1	776091	MJG	EET CHI	07/10/24 11:57
Total/NA	Analysis	SM 2540C		1	773814	CLB	EET CHI	06/23/24 21:20
Total/NA	Analysis	SM 4500 CI- E		2	773841	TR	EET CHI	06/23/24 11:57
Total/NA	Analysis	SM 4500 F C		1	776165	SO	EET CHI	07/10/24 19:35
Total/NA	Analysis	SM 4500 SO4 E		5	774273	TR	EET CHI	06/25/24 15:53

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

Lab Chronicle

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

Job ID: 500-252291-1

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 500-252291-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	05-31-25

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/22/2024 3:26:26 PM

JOB DESCRIPTION

Powerton CCR (RAD)

JOB NUMBER

500-252291-2

Eurofins Chicago

Job Notes

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

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

Authorization



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Case Narrative

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

Job ID: 500-252291-2

Job ID: 500-252291-2

Eurofins Chicago

Job Narrative 500-252291-2

Receipt

The samples were received on 06/18/24 09:45. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 0.2° C, 3.4° C, 4.6° C, 4.7° C, 5.0° C, 5.0° C, 5.5° C, 5.8° C, 5.9° C and 7.1° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: receiving cooler temp 7.1°C, water present in cooler no visible ice. Samples in cooler (#24 MW-08 and #25 MW-09):.

RAD

Method 904.0: Radium 228 Batch 667444: The sample duplicate (DUP) precision for (500-252291-G-1-B DU) was outside the control limits. However the original sample and DUP activity is below the MDC / RL making the measurement of precision less critical. The lab does not believe this discrepancy to have a negative impact on the data being reported.

Method 904.0: Radium 228 Batch 667444: The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: MW-21D (500-252291-6). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium 228 Batch 667709

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: MW-07 (500-252291-12). Analytical results are reported with the detection limit achieved.

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

Eurofins Chicago

Method Summary

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

Job ID: 500-252291-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-252291-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-252291-1	MW-17	Water	06/17/24 14:46	06/18/24 09:45
500-252291-2	MW-18	Water	06/17/24 15:39	06/18/24 09:45
500-252291-3	MW-19	Water	06/17/24 16:20	06/18/24 09:45
500-252291-4	MW-20	Water	06/17/24 13:37	06/18/24 09:45
500-252291-5	MW-21	Water	06/17/24 11:36	06/18/24 09:45
500-252291-6	MW-21D	Water	06/17/24 12:42	06/18/24 09:45
500-252291-7	Duplicate 1	Water	06/18/24 00:00	06/19/24 09:50
500-252291-8	MW-14	Water	06/18/24 09:41	06/19/24 09:50
500-252291-9	MW-15	Water	06/18/24 11:10	06/19/24 09:50
500-252291-10	MW-16	Water	06/18/24 15:13	06/19/24 09:50
500-252291-11	MW-06	Water	06/18/24 12:44	06/19/24 09:50
500-252291-12	MW-07	Water	06/18/24 13:56	06/19/24 09:50
500-252291-13	MW-01	Water	06/19/24 11:06	06/20/24 09:45
500-252291-14	MW-02	Water	06/19/24 08:57	06/20/24 09:45
500-252291-15	MW-03	Water	06/19/24 10:02	06/20/24 09:45
500-252291-16	MW-04	Water	06/19/24 12:20	06/20/24 09:45
500-252291-17	MW-05	Water	06/19/24 13:18	06/20/24 09:45
500-252291-18	MW-13	Water	06/19/24 14:28	06/20/24 09:45
500-252291-19	Duplicate 2	Water	06/19/24 00:00	06/20/24 09:45
500-252291-20	MW-10	Water	06/19/24 15:32	06/20/24 09:45
500-252291-21	Duplicate 3	Water	06/20/24 00:00	06/21/24 10:00
500-252291-22	MW-22	Water	06/20/24 12:33	06/21/24 10:00
500-252291-23	MW-23	Water	06/20/24 11:47	06/21/24 10:00
500-252291-24	MW-08	Water	06/20/24 08:29	06/21/24 10:00
500-252291-25	MW-09	Water	06/20/24 10:34	06/21/24 10:00
500-252291-26	MW-12R	Water	06/20/24 13:16	06/21/24 10:00
500-252291-27	MW-11	Water	06/20/24 09:25	06/21/24 10:00

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-17

Lab Sample ID: 500-252291-1

Date Collected: 06/17/24 14:46

Matrix: Water

Date Received: 06/18/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0995	U	0.0846	0.0851	1.00	0.126	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 08:56	07/16/24 10:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.998		0.404	0.414	1.00	0.508	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	85.2		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.10		0.413	0.423	5.00	0.508	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-18
Date Collected: 06/17/24 15:39
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.193		0.108	0.109	1.00	0.138	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					06/21/24 08:56	07/16/24 10:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.281	U	0.366	0.367	1.00	0.611	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	81.1		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.475	U	0.382	0.383	5.00	0.611	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-19

Lab Sample ID: 500-252291-3

Date Collected: 06/17/24 16:20

Matrix: Water

Date Received: 06/18/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.140	U	0.117	0.117	1.00	0.177	pCi/L	06/21/24 08:56	07/16/24 10:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/21/24 08:56	07/16/24 10:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.439	0.450	1.00	0.562	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	86.4		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.18		0.454	0.465	5.00	0.562	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-20

Lab Sample ID: 500-252291-4

Date Collected: 06/17/24 13:37

Matrix: Water

Date Received: 06/18/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.215		0.114	0.115	1.00	0.148	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/21/24 08:56	07/16/24 10:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0954	U	0.274	0.274	1.00	0.491	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	88.6		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.310	U	0.297	0.297	5.00	0.491	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-21
Date Collected: 06/17/24 11:36
Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.533		0.196	0.201	1.00	0.209	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					06/21/24 08:56	07/16/24 10:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.391	U	0.467	0.468	1.00	0.770	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.9		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	85.2		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.924		0.506	0.509	5.00	0.770	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-21D

Lab Sample ID: 500-252291-6

Date Collected: 06/17/24 12:42

Matrix: Water

Date Received: 06/18/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.362		0.202	0.205	1.00	0.257	pCi/L	06/21/24 08:56	07/16/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 08:56	07/16/24 10:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.916	U G	0.688	0.693	1.00	1.05	pCi/L	06/21/24 09:00	07/11/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/21/24 09:00	07/11/24 12:11	1
Y Carrier	86.4		30 - 110					06/21/24 09:00	07/11/24 12:11	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.28		0.717	0.723	5.00	1.05	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 1

Lab Sample ID: 500-252291-7

Date Collected: 06/18/24 00:00

Matrix: Water

Date Received: 06/19/24 09:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.201		0.0941	0.0958	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/24/24 09:07	07/18/24 23:49	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0362	U	0.253	0.253	1.00	0.500	pCi/L	06/24/24 09:18	07/11/24 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					06/24/24 09:18	07/11/24 12:31	1
Y Carrier	79.3		30 - 110					06/24/24 09:18	07/11/24 12:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.165	U	0.270	0.271	5.00	0.500	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-14

Lab Sample ID: 500-252291-8

Date Collected: 06/18/24 09:41

Matrix: Water

Date Received: 06/19/24 09:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.108		0.0695	0.0702	1.00	0.0881	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0491	U	0.283	0.283	1.00	0.553	pCi/L	06/24/24 09:18	07/11/24 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:18	07/11/24 12:31	1
Y Carrier	80.7		30 - 110					06/24/24 09:18	07/11/24 12:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0592	U	0.291	0.292	5.00	0.553	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-15
Date Collected: 06/18/24 11:10
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0766	0.0771	1.00	0.109	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.208	U	0.322	0.322	1.00	0.687	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.0		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.107	U	0.331	0.331	5.00	0.687	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-16

Lab Sample ID: 500-252291-10

Date Collected: 06/18/24 15:13

Matrix: Water

Date Received: 06/19/24 09:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0183	U	0.0527	0.0528	1.00	0.0999	pCi/L	06/24/24 09:07	07/18/24 23:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					06/24/24 09:07	07/18/24 23:50	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.313	U	0.386	0.387	1.00	0.639	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.4		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.331	U	0.390	0.391	5.00	0.639	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-06

Lab Sample ID: 500-252291-11

Date Collected: 06/18/24 12:44

Matrix: Water

Date Received: 06/19/24 09:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.132		0.0781	0.0790	1.00	0.0984	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/24/24 09:07	07/18/24 23:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.144	U	0.405	0.406	1.00	0.722	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	80.0		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.276	U	0.412	0.414	5.00	0.722	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-07

Lab Sample ID: 500-252291-12

Date Collected: 06/18/24 13:56

Matrix: Water

Date Received: 06/19/24 09:50

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.541		0.197	0.203	1.00	0.184	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					06/24/24 09:07	07/18/24 23:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.291	U G	0.729	0.730	1.00	1.29	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	81.9		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.832	U	0.755	0.758	5.00	1.29	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-01

Lab Sample ID: 500-252291-13

Date Collected: 06/19/24 11:06

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0276	U	0.0473	0.0474	1.00	0.0844	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/24/24 09:07	07/18/24 23:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.313	U	0.412	0.413	1.00	0.688	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	79.3		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.340	U	0.415	0.416	5.00	0.688	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-02

Lab Sample ID: 500-252291-14

Date Collected: 06/19/24 08:57

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.122	U	0.0896	0.0902	1.00	0.128	pCi/L	06/24/24 09:07	07/18/24 23:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					06/24/24 09:07	07/18/24 23:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.160	U	0.394	0.394	1.00	0.794	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	82.6		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0377	U	0.404	0.404	5.00	0.794	pCi/L		07/22/24 09:15	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-03

Lab Sample ID: 500-252291-15

Date Collected: 06/19/24 10:02

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.0633	0.0633	1.00	0.126	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:07	07/18/24 23:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.166	U	0.412	0.412	1.00	0.727	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	81.1		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.166	U	0.417	0.417	5.00	0.727	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-04

Lab Sample ID: 500-252291-16

Date Collected: 06/19/24 12:20

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0590	U	0.0688	0.0690	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					06/24/24 09:07	07/18/24 23:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0941	U	0.368	0.368	1.00	0.725	pCi/L	06/24/24 09:18	07/11/24 14:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					06/24/24 09:18	07/11/24 14:31	1
Y Carrier	83.7		30 - 110					06/24/24 09:18	07/11/24 14:31	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0350	U	0.374	0.374	5.00	0.725	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-05

Lab Sample ID: 500-252291-17

Date Collected: 06/19/24 13:18

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.108	U	0.0810	0.0815	1.00	0.116	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					06/24/24 09:07	07/18/24 23:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.437	U	0.488	0.489	1.00	0.797	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	81.1		30 - 110					06/24/24 09:18	07/11/24 14:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.545	U	0.495	0.496	5.00	0.797	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-13

Lab Sample ID: 500-252291-18

Date Collected: 06/19/24 14:28

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.0971	0.0982	1.00	0.132	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/24/24 09:07	07/18/24 23:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0919	U	0.327	0.328	1.00	0.662	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	82.2		30 - 110					06/24/24 09:18	07/11/24 14:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0681	U	0.341	0.342	5.00	0.662	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 2

Lab Sample ID: 500-252291-19

Date Collected: 06/19/24 00:00

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.0788	0.0794	1.00	0.112	pCi/L	06/24/24 09:07	07/18/24 23:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/24/24 09:07	07/18/24 23:58	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.471	U	0.406	0.408	1.00	0.631	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	82.2		30 - 110					06/24/24 09:18	07/11/24 14:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.577	U	0.414	0.416	5.00	0.631	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-10

Lab Sample ID: 500-252291-20

Date Collected: 06/19/24 15:32

Matrix: Water

Date Received: 06/20/24 09:45

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.521		0.153	0.160	1.00	0.120	pCi/L	06/24/24 09:07	07/19/24 07:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/24/24 09:07	07/19/24 07:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.817	U	0.583	0.588	1.00	0.876	pCi/L	06/24/24 09:18	07/11/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					06/24/24 09:18	07/11/24 14:32	1
Y Carrier	83.0		30 - 110					06/24/24 09:18	07/11/24 14:32	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.34		0.603	0.609	5.00	0.876	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 3

Lab Sample ID: 500-252291-21

Date Collected: 06/20/24 00:00

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0103	U	0.0572	0.0572	1.00	0.113	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/26/24 08:45	07/19/24 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.266	U	0.379	0.380	1.00	0.638	pCi/L	06/26/24 08:49	07/12/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					06/26/24 08:49	07/12/24 11:42	1
Y Carrier	78.5		30 - 110					06/26/24 08:49	07/12/24 11:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.276	U	0.383	0.384	5.00	0.638	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-22

Lab Sample ID: 500-252291-22

Date Collected: 06/20/24 12:33

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125		0.0806	0.0814	1.00	0.108	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/26/24 08:45	07/19/24 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.593		0.348	0.352	1.00	0.503	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	83.7		30 - 110					06/26/24 08:49	07/12/24 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.718		0.357	0.361	5.00	0.503	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-23

Lab Sample ID: 500-252291-23

Date Collected: 06/20/24 11:47

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.521		0.215	0.220	1.00	0.236	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:45	07/19/24 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.55		0.693	0.708	1.00	0.889	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	84.1		30 - 110					06/26/24 08:49	07/12/24 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.07		0.726	0.741	5.00	0.889	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-08

Lab Sample ID: 500-252291-24

Date Collected: 06/20/24 08:29

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249		0.113	0.115	1.00	0.139	pCi/L	06/26/24 08:45	07/19/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					06/26/24 08:45	07/19/24 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.352	U	0.348	0.349	1.00	0.560	pCi/L	06/26/24 08:49	07/12/24 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					06/26/24 08:49	07/12/24 11:36	1
Y Carrier	84.1		30 - 110					06/26/24 08:49	07/12/24 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.602		0.366	0.367	5.00	0.560	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-09

Lab Sample ID: 500-252291-25

Date Collected: 06/20/24 10:34

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0762	U	0.0841	0.0843	1.00	0.134	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					06/26/24 08:32	07/19/24 07:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.283	U	0.329	0.330	1.00	0.697	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	79.6		30 - 110					06/26/24 08:37	07/15/24 12:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.207	U	0.340	0.341	5.00	0.697	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-12R

Lab Sample ID: 500-252291-26

Date Collected: 06/20/24 13:16

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.142		0.0923	0.0931	1.00	0.115	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:32	07/19/24 07:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0382	U	0.332	0.332	1.00	0.609	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	88.6		30 - 110					06/26/24 08:37	07/15/24 12:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.180	U	0.345	0.345	5.00	0.609	pCi/L		07/22/24 09:17	1

Client Sample Results

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

Job ID: 500-252291-2

Client Sample ID: MW-11

Lab Sample ID: 500-252291-27

Date Collected: 06/20/24 09:25

Matrix: Water

Date Received: 06/21/24 10:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.174		0.111	0.113	1.00	0.152	pCi/L	06/26/24 08:32	07/19/24 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/26/24 08:32	07/19/24 07:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.952		0.417	0.426	1.00	0.545	pCi/L	06/26/24 08:37	07/15/24 12:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					06/26/24 08:37	07/15/24 12:43	1
Y Carrier	81.1		30 - 110					06/26/24 08:37	07/15/24 12:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.13		0.432	0.441	5.00	0.545	pCi/L		07/22/24 09:18	1

Definitions/Glossary

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

Job ID: 500-252291-2

Qualifiers

Rad

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
G	The Sample MDC is greater than the requested RL.
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 (RAD)

Job ID: 500-252291-2

Rad

Prep Batch: 667443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	PrecSep-21	
500-252291-2	MW-18	Total/NA	Water	PrecSep-21	
500-252291-3	MW-19	Total/NA	Water	PrecSep-21	
500-252291-4	MW-20	Total/NA	Water	PrecSep-21	
500-252291-5	MW-21	Total/NA	Water	PrecSep-21	
500-252291-6	MW-21D	Total/NA	Water	PrecSep-21	
MB 160-667443/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667443/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252291-1 DU	MW-17	Total/NA	Water	PrecSep-21	

Prep Batch: 667444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-1	MW-17	Total/NA	Water	PrecSep_0	
500-252291-2	MW-18	Total/NA	Water	PrecSep_0	
500-252291-3	MW-19	Total/NA	Water	PrecSep_0	
500-252291-4	MW-20	Total/NA	Water	PrecSep_0	
500-252291-5	MW-21	Total/NA	Water	PrecSep_0	
500-252291-6	MW-21D	Total/NA	Water	PrecSep_0	
MB 160-667444/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667444/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252291-1 DU	MW-17	Total/NA	Water	PrecSep_0	

Prep Batch: 667705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-7	Duplicate 1	Total/NA	Water	PrecSep-21	
500-252291-8	MW-14	Total/NA	Water	PrecSep-21	
500-252291-9	MW-15	Total/NA	Water	PrecSep-21	
500-252291-10	MW-16	Total/NA	Water	PrecSep-21	
500-252291-11	MW-06	Total/NA	Water	PrecSep-21	
500-252291-12	MW-07	Total/NA	Water	PrecSep-21	
500-252291-13	MW-01	Total/NA	Water	PrecSep-21	
500-252291-14	MW-02	Total/NA	Water	PrecSep-21	
500-252291-15	MW-03	Total/NA	Water	PrecSep-21	
500-252291-16	MW-04	Total/NA	Water	PrecSep-21	
500-252291-17	MW-05	Total/NA	Water	PrecSep-21	
500-252291-18	MW-13	Total/NA	Water	PrecSep-21	
500-252291-19	Duplicate 2	Total/NA	Water	PrecSep-21	
500-252291-20	MW-10	Total/NA	Water	PrecSep-21	
MB 160-667705/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-667705/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 667709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-7	Duplicate 1	Total/NA	Water	PrecSep_0	
500-252291-8	MW-14	Total/NA	Water	PrecSep_0	
500-252291-9	MW-15	Total/NA	Water	PrecSep_0	
500-252291-10	MW-16	Total/NA	Water	PrecSep_0	
500-252291-11	MW-06	Total/NA	Water	PrecSep_0	
500-252291-12	MW-07	Total/NA	Water	PrecSep_0	
500-252291-13	MW-01	Total/NA	Water	PrecSep_0	
500-252291-14	MW-02	Total/NA	Water	PrecSep_0	

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QC Association Summary

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

Job ID: 500-252291-2

Rad (Continued)

Prep Batch: 667709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-15	MW-03	Total/NA	Water	PrecSep_0	
500-252291-16	MW-04	Total/NA	Water	PrecSep_0	
500-252291-17	MW-05	Total/NA	Water	PrecSep_0	
500-252291-18	MW-13	Total/NA	Water	PrecSep_0	
500-252291-19	Duplicate 2	Total/NA	Water	PrecSep_0	
500-252291-20	MW-10	Total/NA	Water	PrecSep_0	
MB 160-667709/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-667709/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 668095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-25	MW-09	Total/NA	Water	PrecSep-21	
500-252291-26	MW-12R	Total/NA	Water	PrecSep-21	
500-252291-27	MW-11	Total/NA	Water	PrecSep-21	
MB 160-668095/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668095/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 668143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-25	MW-09	Total/NA	Water	PrecSep_0	
500-252291-26	MW-12R	Total/NA	Water	PrecSep_0	
500-252291-27	MW-11	Total/NA	Water	PrecSep_0	
MB 160-668143/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668143/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 668146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	PrecSep-21	
500-252291-22	MW-22	Total/NA	Water	PrecSep-21	
500-252291-23	MW-23	Total/NA	Water	PrecSep-21	
500-252291-24	MW-08	Total/NA	Water	PrecSep-21	
MB 160-668146/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-668146/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-252291-21 DU	Duplicate 3	Total/NA	Water	PrecSep-21	

Prep Batch: 668147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-252291-21	Duplicate 3	Total/NA	Water	PrecSep_0	
500-252291-22	MW-22	Total/NA	Water	PrecSep_0	
500-252291-23	MW-23	Total/NA	Water	PrecSep_0	
500-252291-24	MW-08	Total/NA	Water	PrecSep_0	
MB 160-668147/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-668147/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-252291-21 DU	Duplicate 3	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-667443/1-A
Matrix: Water
Analysis Batch: 670799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667443

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.03136	U	0.0790	0.0791	1.00	0.145	pCi/L	06/21/24 08:56	07/16/24 10:27	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					06/21/24 08:56	07/16/24 10:27	1

Lab Sample ID: LCS 160-667443/2-A
Matrix: Water
Analysis Batch: 670799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667443

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qual	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	10.47	1.12	1.00	0.140	pCi/L	92	75 - 125
Carrier	LCS		Limits							
Ba Carrier	%Yield	LCS Qualifier	30 - 110							

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 670799

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 667443

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0995	U	0.06997	U	0.0828	1.00	0.135	pCi/L	0.18	1
Carrier	DU		Limits							
Ba Carrier	%Yield	DU Qualifier	30 - 110							

Lab Sample ID: MB 160-667705/1-A
Matrix: Water
Analysis Batch: 671146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667705

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.03999	U	0.0591	0.0592	1.00	0.135	pCi/L	06/24/24 09:07	07/18/24 21:20	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					06/24/24 09:07	07/18/24 21:20	1

Lab Sample ID: LCS 160-667705/2-A
Matrix: Water
Analysis Batch: 671146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667705

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qual	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	10.97	1.14	1.00	0.113	pCi/L	97	75 - 125

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QC Sample Results

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-667705/2-A
Matrix: Water
Analysis Batch: 671146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667705

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.0		30 - 110

Lab Sample ID: MB 160-668095/1-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668095

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.04048	U	0.0755	0.0756	1.00	0.134	pCi/L	06/26/24 08:32	07/19/24 07:26	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	99.0		30 - 110

	Prepared	Analyzed	Dil Fac
Ba Carrier	06/26/24 08:32	07/19/24 07:26	1

Lab Sample ID: LCS 160-668095/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668095

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.13		1.11	1.00	0.125	pCi/L	89	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	97.3		30 - 110

Lab Sample ID: MB 160-668146/1-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668146

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.07478	U	0.0656	0.0660	1.00	0.0965	pCi/L	06/26/24 08:45	07/19/24 09:18	1

	MB	MB	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.8		30 - 110

	Prepared	Analyzed	Dil Fac
Ba Carrier	06/26/24 08:45	07/19/24 09:18	1

Lab Sample ID: LCS 160-668146/2-A
Matrix: Water
Analysis Batch: 671346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668146

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.824		1.06	1.00	0.157	pCi/L	87	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	84.1		30 - 110

QC Sample Results

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 500-252291-21 DU
Matrix: Water
Analysis Batch: 671465

Client Sample ID: Duplicate 3
Prep Type: Total/NA
Prep Batch: 668146

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0103	U	-0.00413	U	0.0756	1.00	0.151	pCi/L	0.11	1
			2							
Carrier	DU	DU								
	%Yield	Qualifier	Limits							
Ba Carrier	98.0		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-667444/1-A
Matrix: Water
Analysis Batch: 670163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667444

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.4386	U	0.340	0.342	1.00	0.520	pCi/L	06/21/24 09:00	07/11/24 12:10	1
Carrier	MB	MB					Prepared		Analyzed	Dil Fac
	%Yield	Qualifier	Limits							
Ba Carrier	98.3		30 - 110				06/21/24 09:00		07/11/24 12:10	1
Y Carrier	82.2		30 - 110				06/21/24 09:00		07/11/24 12:10	1

Lab Sample ID: LCS 160-667444/2-A
Matrix: Water
Analysis Batch: 670163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667444

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec	Limits
		Result	Qual	Uncert. (2σ+/-)						
Radium-228	8.77	8.379		1.20	1.00	0.567	pCi/L	96	75 - 125	
Carrier	LCS	LCS								
	%Yield	Qualifier	Limits							
Ba Carrier	97.0		30 - 110							
Y Carrier	84.5		30 - 110							

Lab Sample ID: 500-252291-1 DU
Matrix: Water
Analysis Batch: 670163

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 667444

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-228	0.998		-0.1351	U F	0.260	1.00	0.543	pCi/L	1.68	1
Carrier	DU	DU								
	%Yield	Qualifier	Limits							
Ba Carrier	88.6		30 - 110							
Y Carrier	83.7		30 - 110							

QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: MB 160-667709/1-A
Matrix: Water
Analysis Batch: 670169

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667709

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1328	U	0.283	0.283	1.00	0.498	pCi/L	06/24/24 09:18	07/11/24 12:30	1
Carrier	MB		Limits		Prepared	Analyzed	Dil Fac			
	%Yield	Qualifier								
Ba Carrier	99.0		30 - 110		06/24/24 09:18	07/11/24 12:30	1			
Y Carrier	82.2		30 - 110		06/24/24 09:18	07/11/24 12:30	1			

Lab Sample ID: LCS 160-667709/2-A
Matrix: Water
Analysis Batch: 670169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667709

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	8.77	8.993		1.28	1.00	0.567	pCi/L	103	75 - 125
Carrier	LCS		Limits		Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier							
Ba Carrier	97.0		30 - 110						
Y Carrier	80.7		30 - 110						

Lab Sample ID: MB 160-668143/1-A
Matrix: Water
Analysis Batch: 670723

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668143

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1519	U	0.344	0.344	1.00	0.600	pCi/L	06/26/24 08:37	07/15/24 12:42	1
Carrier	MB		Limits		Prepared	Analyzed	Dil Fac			
	%Yield	Qualifier								
Ba Carrier	99.0		30 - 110		06/26/24 08:37	07/15/24 12:42	1			
Y Carrier	81.9		30 - 110		06/26/24 08:37	07/15/24 12:42	1			

Lab Sample ID: LCS 160-668143/2-A
Matrix: Water
Analysis Batch: 670723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668143

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	8.76	9.278		1.29	1.00	0.575	pCi/L	106	75 - 125
Carrier	LCS		Limits		Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier							
Ba Carrier	97.3		30 - 110						
Y Carrier	83.4		30 - 110						

QC Sample Results

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

Job ID: 500-252291-2

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

Lab Sample ID: MB 160-668147/1-A
Matrix: Water
Analysis Batch: 670478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668147

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.5511		0.330	0.334	1.00	0.472	pCi/L	06/26/24 08:49	07/12/24 11:29	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					06/26/24 08:49	07/12/24 11:29	1
Y Carrier	81.1		30 - 110					06/26/24 08:49	07/12/24 11:29	1

Lab Sample ID: LCS 160-668147/2-A
Matrix: Water
Analysis Batch: 670478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668147

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	8.77	8.486		1.23	1.00	0.525	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	84.1		30 - 110						
Y Carrier	81.1		30 - 110						

Lab Sample ID: 500-252291-21 DU
Matrix: Water
Analysis Batch: 670456


Client Sample ID: Duplicate 3
Prep Type: Total/NA
Prep Batch: 668147

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-228	0.266	U	0.8835		0.428	1.00	0.580	pCi/L	0.76	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	98.0		30 - 110							
Y Carrier	77.8		30 - 110							

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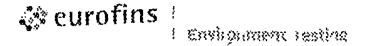
Chain of Custody Record

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 600-123641-49657 2	
Client Contact: Kaelyn Sperle		Phone: <u>262-278-1621</u>		E-Mail: Diana Mockler@et.eurofins.com		State of Origin: <u>IL</u>		Page <u>2 of 8</u> 1 of 1	
Company: KPRG and Associates, Inc.				PWSID:				Job #: <u>600-252291</u>	
Address: 14865 West Lisbon Road, Suite 1A		Due Date Requested: <u>Standard</u>		Analysis Requested  500-252291 COC				Preservation Codes: D - HNO3 N - None	
City: Brookfield		TAT Requested (days): <u>Standard</u>						Other:	
State, Zip: WI, 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Phone: 262-781-0475(Tel)		PO #: 4602160845							
Email: kaelyns@kprginc.com		WO #:							
Project Name: Powerton CCR Event Desc: Quarterly Powerton CCR Sampling		Project #: 60011612							
Site: Illinois		SSOW#:		Total Number of Containers:		Special Instructions/Note:			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	903.0, 904.0	6020A, 7470A	2540C, 4500_F_C, SM4500_C1_E	SM4500_SO4_E - Sulfate
MW-12					Water				
MW-13					Water				
MW-14					Water				
MW-15					Water				
MW-16					Water				
MW-17		<u>6/17/24</u>	<u>1446</u>	<u>G</u>	Water	<u>N</u>	<u>N</u>		
MW-18		<u>6/17/24</u>	<u>1539</u>		Water	<u>N</u>	<u>N</u>		
MW-19		<u>6/17/24</u>	<u>1620</u>		Water	<u>N</u>	<u>N</u>		
MW-20		<u>6/17/24</u>	<u>1337</u>		Water	<u>N</u>	<u>N</u>		
MW-21		<u>6/17/24</u>	<u>1136</u>		Water	<u>N</u>	<u>N</u>		
MW-21D		<u>6/17/24</u>	<u>1242</u>		Water	<u>N</u>	<u>N</u>		
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements				
Empty Kit Relinquished by			Date		Time		Method of Shipment:		
Relinquished by: <u>Kaelyn Sperle</u>			Date/Time: <u>6/17/24/1730</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/17/24/1730</u> Company: <u>FedEx</u>
Relinquished by:			Date/Time:		Company:		Received by: <u>Stephanie Hemondy</u>		Date/Time: <u>6/18/24 0945</u> Company: <u>EEIA</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>5.0-4.6, 6.1-5.8</u>				

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

Chain of Custody Record



Client Information		Sampler: <i>Jack Mizner</i>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-123641-49657 2	
Client Contact: Kaelyn Sperle		Phone: <i>262-622-1143</i>		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin: <i>IL</i>		Page: <i>2 of 3</i> Page <i>1 of 1</i>	
Company: KPRG and Associates, Inc.		Address: 14665 West Lisbon Road, Suite 1A City: Brookfield State, Zip: WI, 53005		Project Name: Powerton CCR Event Desc Quarterly Powerton CCR Sampling		Project #: 50011612		Job #: <i>500-252291</i>	
Phone: 262-781-0475(Tel)		Email: kaelyns@kprginc.com		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 4502160845		Preservation Codes: D HNO3 N None	
Site: Illinois		Due Date Requested: <i>Standard</i>		TAT Requested (days): <i>Standard</i>		Analysis Requested		Other:	
SSOW#:		WO #:		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Total Number of Containers	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Special Instructions/Note:	
						Preservation Code			
<i>7</i> MW-12 <i>Duplicate 1</i>		<i>6/18/24</i>		<i>-</i>		<i>G</i>		<i>Water</i>	
MW-13									
<i>8</i> MW-14		<i>6/18/24</i>		<i>0941</i>		<i>G</i>		<i>Water</i>	
<i>9</i> MW-15		<i>6/18/24</i>		<i>1110</i>		<i>G</i>		<i>Water</i>	
<i>10</i> MW-16		<i>6/18/24</i>		<i>1513</i>		<i>G</i>		<i>Water</i>	
MW-17									
MW-18									
MW-19									
MW-20									
<i>11</i> MW-21 <i>MW-06</i>		<i>6/18/24</i>		<i>1244</i>		<i>G</i>		<i>Water</i>	
<i>12</i> MW-22 <i>MW-07</i>		<i>6/18/24</i>		<i>1356</i>		<i>G</i>		<i>Water</i>	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)					Special Instructions/QC Requirements				
Empty Kit Relinquished by		Date		Time		Method of Shipment:			
Relinquished by: <i>Jack Mizner</i>		Date/Time: <i>6/18/24 1700</i>		Company: <i>KPRG</i>		Received by: <i>FedEx</i>		Date/Time: <i>6/18/24 1700</i>	
Relinquished by:		Date/Time:		Company:		Received by: <i>Shw</i>		Date/Time: <i>6/19/24 0958</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and other Remarks: <i>5.29, 5.4 → 5.0</i>					

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-634-6200 Fax. 708-634-6211

Chain of Custody Record

eurofins | Environment Testing


Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>			
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@eurofins.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>500-252291</u>	
Address: <u>14885 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MS (Yes or No) <input type="checkbox"/> 903.0, 904.0 6020A, 7470A 2540C, 4500_F_C, SM4500_CLF SM4500_SO4_E - Sulfate		Total Number of Containers:		Preservation Codes: D - HNO3 N - None			
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>						Other:			
State, Zip: <u>WI, 53005</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: <u>262-781-0475(Tel)</u>		PO #: <u>4502180845</u>									
Email: <u>kaelyns@kprginc.com</u>		WO #:									
Project Name: <u>Powerton CCR Event Desc: Quarterly Powerton CCR Sampling</u>		Project #: <u>60011612</u>		SSOW#:							
Site: <u>Illinois</u>											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)		Special Instructions/Note:	
<u>13 MW-01</u>		<u>6/19/24</u>		<u>1106</u>		<u>G</u>		<u>Water</u>			
<u>14 MW-02</u>		<u>6/19/24</u>		<u>0857</u>				<u>Water</u>			
<u>15 MW-03</u>		<u>6/19/24</u>		<u>1002</u>				<u>Water</u>			
<u>16 MW-04</u>		<u>6/19/24</u>		<u>1220</u>				<u>Water</u>			
<u>17 MW-05</u>		<u>6/19/24</u>		<u>1318</u>				<u>Water</u>			
<u>18 MW-06 - MW-13</u>		<u>6/19/24</u>		<u>1428</u>				<u>Water</u>			
<u>19 MW-07 Duplicate 2</u>		<u>6/19/24</u>		<u>-</u>				<u>Water</u>			
<u>20 MW-10</u>		<u>6/19/24</u>		<u>1532</u>				<u>Water</u>			
<u>MW-11</u>								<u>Water</u>			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements					
Empty Kit Relinquished by				Date:		Time		Method of Shipment:			
Relinquished by: <u>Kaelyn Orule</u>				Date/Time: <u>6/19/24/1700</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/19/24/1700</u>	
Relinquished by:				Date/Time:		Company:		Received by: <u>Shu Smith</u>		Date/Time: <u>6/20/24 0945</u>	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature (°C) and Other Remarks: <u>5.9-7.55, 5.4-7.50, 3.8-7.34</u>							

Eurofins Chicago

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

Chain of Custody Record

eurofins | Environment Testing

Client Information		Sampler: <u>Kaelyn Sperle</u>		Lab PM: <u>Mockler, Diana J</u>		Carrier Tracking No(s):		COC No: <u>500-123641-49657 1</u>	
Client Contact: <u>Kaelyn Sperle</u>		Phone: <u>262-278-1621</u>		E-Mail: <u>Diana.Mockler@et.eurofins.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>500-252291</u>	
Address: <u>14865 West Lisbon Road, Suite 1A</u>		Due Date Requested: <u>Standard</u>		 <p>500-252291 COC</p>				Preservation Codes: D - HNO3 N - None	
City: <u>Brookfield</u>		TAT Requested (days): <u>Standard</u>						Other:	
State, Zip: <u>WI, 53005</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Phone: <u>262-781-0475 (Tel)</u>		PO #: <u>4502180845</u>							
Email: <u>kaelyns@kprginc.com</u>		WO #:							
Project Name: <u>Powerton CCR Event Desc Quarterly Powerton CCR Sampling</u>		Project #: <u>60011812</u>		SSOW#:		Total Number of Containers: <u>7</u>			
Site: <u>Illinois</u>		SSOW#:						Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	
								Preservation Code	
<u>MW-01</u>								D D N N	
<u>MW-02</u>									
<u>MW-03</u>									
<u>MW-04</u>									
<u>21 MW-06 Duplicate 3</u>		<u>6/20/24</u>		<u>-</u>		<u>G</u>		<u>Water</u>	
<u>22 MW-06 MW-22</u>		<u>6/20/24</u>		<u>1233</u>				<u>Water</u>	
<u>23 MW-07 MW-23</u>		<u>6/20/24</u>		<u>1147</u>				<u>Water</u>	
<u>24 MW-08</u>		<u>6/20/24</u>		<u>0829</u>				<u>Water</u>	
<u>25 MW-09</u>		<u>6/20/24</u>		<u>1034</u>				<u>Water</u>	
<u>26 MW-10 MW-12R</u>		<u>6/20/24</u>		<u>1316</u>				<u>Water</u>	
<u>27 MW-11</u>		<u>6/20/24</u>		<u>0925</u>				<u>Water</u>	
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date		Time		Method of Shipment:			
Relinquished by: <u>Kaelyn Sperle</u>		Date/Time: <u>6/20/24/1500</u>		Company: <u>KPRG</u>		Received by: <u>FedEx</u>		Date/Time: <u>6/20/24/1500</u>	
Relinquished by:		Date/Time:		Company:		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>6/21/24 1000</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>5.1+4.7, 0.1+0.2, 7.4+7.1</u>					

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

RT 519
ST 25

JUN24
3 10:30
A
4143
06.18

Part # 1562932885
EXP 01/25

TO EUROFINS
2417 BOND ST.
UNIVERSITY PARK IL 60484



MPS# 0263 2 of 2
Mstr# 2760 2633 4143
XP JOTA

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



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

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ACTWGT: 60.60 LB
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BILL THIRD PARTY

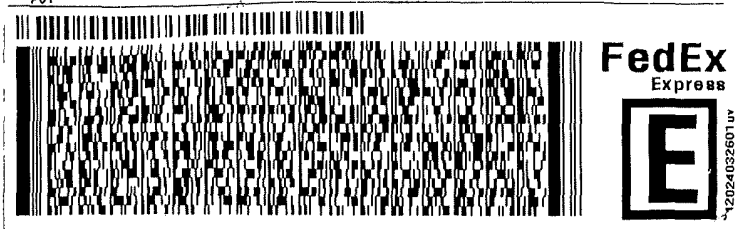
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TO EUROFINS
2417 BOND ST.
UNIVERSITY PARK IL 60484



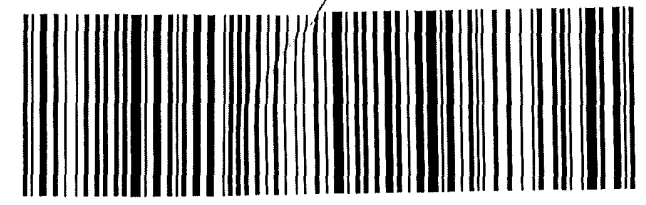
500-252291 Waybi

(556) 556-5556 REF: DEPT:
INV: PO:



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XP JOTA

TUE - 18 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



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

SHIP DATE: 18JUN24
ACTWGT: 59.90 LB
CAD: 6994780/SSFE2521
DIMS: 24x13x14 IN
BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
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DEPT:

500-252291 Waybl -



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Express



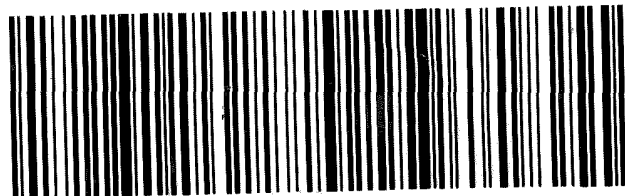
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1 of 4
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MASTER

XP JOTA

WED - 19 JUN 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD



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

SHIP DATE: 18JUN24
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TO EUROFINS

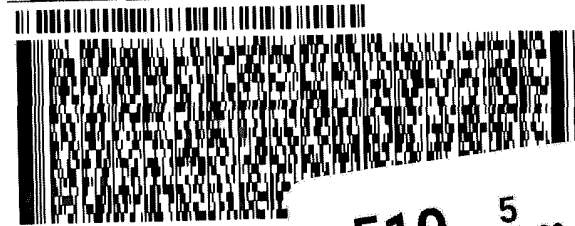
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UNIVERSITY PARK IL 60484

(555) 555-5555
INU:
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FedEx
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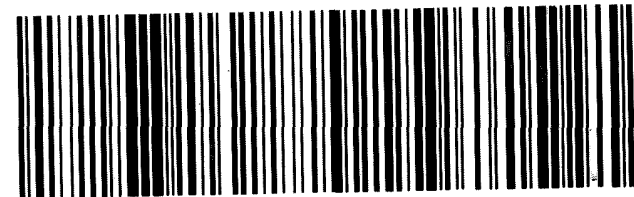
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60484
IL-US ORD

2 of 4
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0263
Mstr# 2760 7640 2866
ST 22
0201

XP JOTA



Part # 1562972106 QR00012EXP 01/25

Part # 1562972106 QR00012EXP 01/25

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB
CAD: 6994780/SSFE2521
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BILL THIRD PARTY

TO EUROFINS

2417 BOND ST.

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UNIVERSITY PARK IL 60484

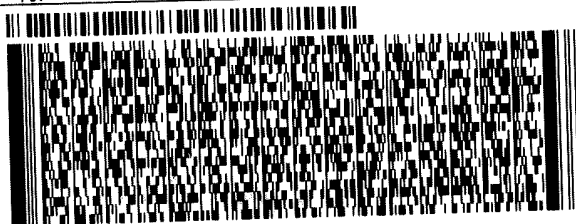
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(555) 666-6666

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FedEx
Express



5 of 5

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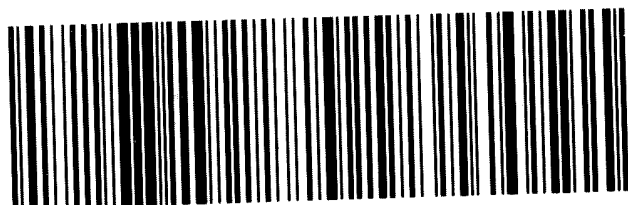
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0201

XP JOTA

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IL-US ORD

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PRIORITY OVERNIGHT



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48PS

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555

KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19JUN24
ACTWGT: 60.25 LB

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TO EUROFINS

2417 BOND ST.

UNIVERSITY PARK IL 60484

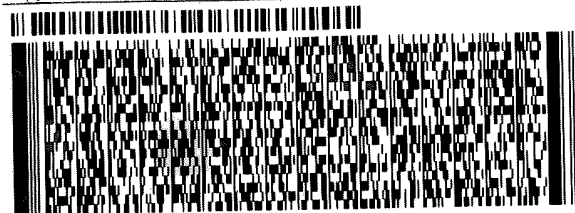
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(555) 666-6666

REF:

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FedEx
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1 of 5

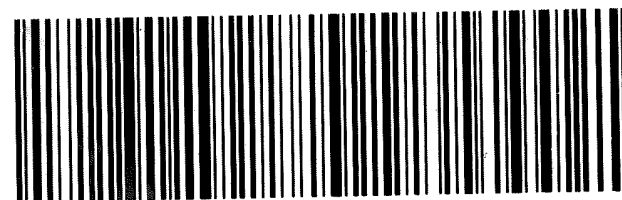
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PRIORITY OVERNIGHT



48PS

Do not lift using this tag.

ORIGIN ID:PIAA (555) 555-5555
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 19 JUN 24
ACTWGT: 60.25 LB
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BILL THIRD PARTY

Part # 156293-069-01000123EXP 01/25

TO EUROFINS

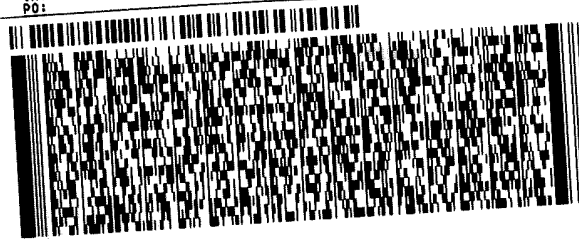
2417 BOND ST.

UNIVERSITY PARK IL 60484

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3 of 5

MPS# 2761 2064 9609
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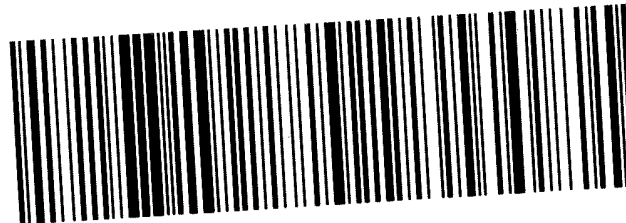
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PRIORITY OVERNIGHT

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IL-US ORD



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Do not lift using this tag.

48 qt

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

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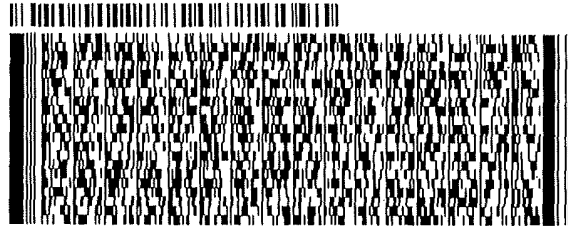
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UNIVERSITY PARK IL 60484

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4 of 5

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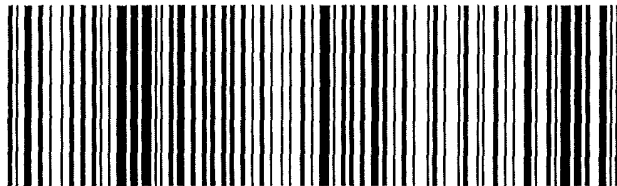
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FRI - 21 JUN 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
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Do not lift using this tag.

48 qt



500-252291 Waybi

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

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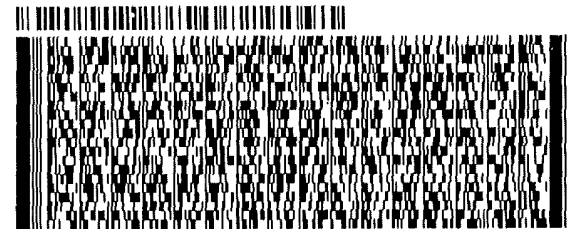
TO SAMPLE RECEIVING
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UNIVERSITY PARK IL 60484

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2/ of 5

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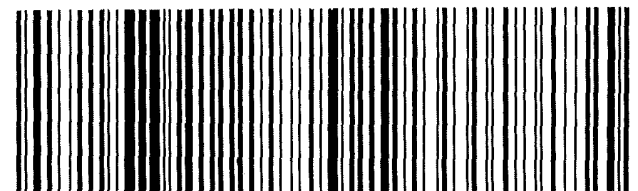
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KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

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Art # 156297-435 RRDW12 EXP 01/25
E386/1234/ST895

TO SAMPLE RECEIVING
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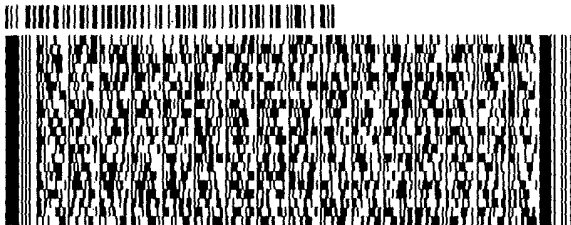
UNIVERSITY PARK IL 60484

5-1-4-7

(000) 000-0000
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AN L0926304202024242

3 of 5

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PRIORITY OVERNIGHT

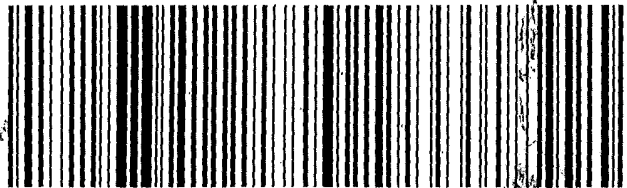
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Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:	
Client Contact: Shipping/Receiving		Phone:	Mockler, Diana J	State of Origin: Illinois	500-189589.1	
Company: TestAmerica Laboratories, Inc.		E-Mail: Diana.Mockler@et.eurofins.com		Page: Page 1 of 1		
Address: 13715 Rider Trail North,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-252291-2		
City: Earth City	Due Date Requested: 6/28/2024	Preservation Codes:				
State, Zip: MO, 63045	TAT Requested (days):	Analysis Requested				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:	903.0/PreSep_21 Standard Target List				
Email: Poweron CCR	WO #:	904.0/PreSep_0 Standard Target List				
Project Name: Poweron CCR	Project #: 50011612	Field Filtered Sample (Yes or No)				
Site: MWG - Powerton	SSOW#:	Perform MS/MSD (Yes or No)				
		Total Number of Containers				
		Other:				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/Oil, BT=Tissue, Asst)	Preservation Code:	Special Instructions/Note:
MW-17 (500-252291-1)	6/17/24	14:46 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-18 (500-252291-2)	6/17/24	15:39 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-19 (500-252291-3)	6/17/24	16:20 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-20 (500-252291-4)	6/17/24	13:37 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-21 (500-252291-5)	6/17/24	11:36 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-21D (500-252291-6)	6/17/24	12:42 Central	Water	Water	X	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs

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

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Empty Kit Relinquished by: Date: Time: Method of Shipment:
 Relinquished by: Date/Time: Received by: Date/Time: Company: Received by: Date/Time: Company: Relinquished by: Date/Time: Received by: Date/Time: Company: 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:



Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM	Carrier Tracking No(s)	COOC No							
Client Contact		Phone:	Mockler, Diana J		500-189677-1							
Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com		State of Origin:	Page							
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Illinois	1 of 1							
Address: 13715 Rider Trail North,		Due Date Requested:	Preservation Codes:									
City: Earth City		7/10/2024	500-252291-1									
State, Zip: MO, 63045		TAT Requested (days):										
Phone: 314-298-8566(Tel) 314-298-8757(Fax)												
Email:												
Project Name: Powertron CCR		PO #:										
Site: MWG - Powertron		WO #:										
Project #:		50011612										
Site:		SSOW#:										
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=G-grab)	Matrix (W-water, S-solid, O-oils/solids, BT=tissue, A-air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	R226Ra228_GFPc	Analysis Requested	Total Number of Containers	Special Instructions/Note:
Duplicate 1 (500-252291-7)	6/18/24	Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-14 (500-252291-8)	6/18/24	09:41 Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-15 (500-252291-9)	6/18/24	11:10 Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-16 (500-252291-10)	6/18/24	15:13 Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-06 (500-252291-11)	6/18/24	12:44 Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-07 (500-252291-12)	6/18/24	13:56 Central	Water	Water	X	X	X	X			3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs

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

Possible Hazard Identification
 Unconfirmed Return To Client Disposal By Lab Archive For Months

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

Empty Kit Relinquished by: *Thu Astor* Date: 6/19/24 1500
 Relinquished by: *Thu Astor* Date/Time: 6/19/24 1500
 Relinquished by: *Thu Astor* Date/Time: 6/19/24 1500
 Relinquished by: *Thu Astor* Date/Time: 6/19/24 1500

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



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

Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)

Client Contact: Mockler, Diana J
 Shipping/Receiving: Diana Mockler@et.eurofins.com
 Company: TestAmerica Laboratories, Inc.
 Address: 13715 Rider Trail North, IL
 City: Earth City
 State, Zip: MO, 63045
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)
 Email: [Redacted]

Lab PM: Mockler, Diana J
 E-Mail: Diana Mockler@et.eurofins.com
 Carrier Tracking No(s): 500-189737-1
 State of Origin: Illinois
 Page: Page 1 of 1
 Job #: 500-252291-2

Accreditations Required (See note): NELAP - Illinois

Preservation Codes:

Due Date Requested: 7/10/2024
 TAT Requested (days):

PO #:
 WC #:
 Project #: 50011612
 Powertron CCR (RAD)
 Site: MWG - Powertron

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other, B=BT, F=fluid, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of Containers	Special Instructions/Note:
MW-01 (500-252291-13)	6/19/24	11:06 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-02 (500-252291-14)	6/19/24	08:57 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-03 (500-252291-15)	6/19/24	10:02 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-04 (500-252291-16)	6/19/24	12:20 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-05 (500-252291-17)	6/19/24	13:18 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-13 (500-252291-18)	6/19/24	14:28 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
Duplicate 2 (500-252291-19)	6/19/24	Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs
MW-10 (500-252291-20)	6/19/24	15:32 Central	Water	Water	X	X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs

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

Possible Hazard Identification
 Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: *Alvin Lamb* Date: 6/20/24 1530 Time: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____

Received by: *M. Pinette* Date: JUN 21 2024 8:00 Company: _____
 Received by: _____ Date/Time: _____ Company: _____

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



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: Mockler, Diana J	Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-189784.1									
Client Contact: Shipping/Receiving		Phone: Diana Mockler@et.eurofins.com	E-Mail: Diana Mockler@et.eurofins.com	Page: Page 1 of 1									
Company: Test/America Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-252291-2									
Address: 13715 Rider Trail North, Earth City, MO, 63045		State of Origin: Illinois		Preservation Codes:									
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #		Analysis Requested									
Email:		WO #											
Project Name: Powerton CCR (RAD)		Project #: 50011612											
Site: MWG - Powerton		SSOW#:											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oli, B=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep_21 Standard Target List	904.0/PreSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:
Duplicate 3 (500-252291-21)		6/20/24	Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-22 (500-252291-22)		6/20/24	12:33 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-23 (500-252291-23)		6/20/24	11:47 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-08 (500-252291-24)		6/20/24	08:29 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-09 (500-252291-25)		6/20/24	10:34 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-12R (500-252291-26)		6/20/24	13:16 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
MW-11 (500-252291-27)		6/20/24	09:25 Central		Water		X	X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no NCMs	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>													
Possible Hazard Identification													
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: _____													
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____													
Relinquished by: _____ Date/Time: 6/20/24 1600 Company: _____ Relinquished by: <i>M. Pinette</i> Date/Time: JUN 24 2024 0900 Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Cooler Temperature(s) °C and Other Remarks: _____													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Custody Seal No.: _____													



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-2

Login Number: 252291

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	4.6,5.8,5.9,5.0,5.5,5.0,3.4,4.7,0.2,7.1
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: 500-252291-2

Login Number: 252291

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/19/24 12:04 PM

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



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-2

Login Number: 252291

List Number: 3

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 06/20/24 04:00 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?	N/A	
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: 500-252291-2

Login Number: 252291

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/21/24 01:18 PM

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

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-252291-2

Login Number: 252291

List Number: 5

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 06/24/24 11:03 AM

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?	N/A	
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 (RAD)

Job ID: 500-252291-2

Client Sample ID: MW-17

Date Collected: 06/17/24 14:46

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-18

Date Collected: 06/17/24 15:39

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-19

Date Collected: 06/17/24 16:20

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670799	SCB	EET SL	07/16/24 10:28
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-20

Date Collected: 06/17/24 13:37

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-21

Date Collected: 06/17/24 11:36

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-21D

Date Collected: 06/17/24 12:42

Date Received: 06/18/24 09:45

Lab Sample ID: 500-252291-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667443	KAK	EET SL	06/21/24 08:56
Total/NA	Analysis	903.0		1	670800	SCB	EET SL	07/16/24 10:21
Total/NA	Prep	PrecSep_0			667444	KAK	EET SL	06/21/24 09:00
Total/NA	Analysis	904.0		1	670163	SCB	EET SL	07/11/24 12:11
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: Duplicate 1

Date Collected: 06/18/24 00:00

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:49
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 12:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-14

Date Collected: 06/18/24 09:41

Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 12:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-15
Date Collected: 06/18/24 11:10
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-16
Date Collected: 06/18/24 15:13
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:50
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-06
Date Collected: 06/18/24 12:44
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-07
Date Collected: 06/18/24 13:56
Date Received: 06/19/24 09:50

Lab Sample ID: 500-252291-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-01
Date Collected: 06/19/24 11:06
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-02
Date Collected: 06/19/24 08:57
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671146	CMM	EET SL	07/18/24 23:52
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:15

Client Sample ID: MW-03
Date Collected: 06/19/24 10:02
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-04
Date Collected: 06/19/24 12:20
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:31
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-05
Date Collected: 06/19/24 13:18
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-13
Date Collected: 06/19/24 14:28
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: Duplicate 2
Date Collected: 06/19/24 00:00
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671233	CMM	EET SL	07/18/24 23:58
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-10
Date Collected: 06/19/24 15:32
Date Received: 06/20/24 09:45

Lab Sample ID: 500-252291-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			667705	BMW	EET SL	06/24/24 09:07
Total/NA	Analysis	903.0		1	671346	SCB	EET SL	07/19/24 07:21
Total/NA	Prep	PrecSep_0			667709	BMW	EET SL	06/24/24 09:18
Total/NA	Analysis	904.0		1	670169	SWS	EET SL	07/11/24 14:32
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: Duplicate 3

Date Collected: 06/20/24 00:00

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670477	SCB	EET SL	07/12/24 11:42
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-22

Date Collected: 06/20/24 12:33

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-23

Date Collected: 06/20/24 11:47

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-08

Date Collected: 06/20/24 08:29

Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668146	MLT	EET SL	06/26/24 08:45
Total/NA	Analysis	903.0		1	671465	SCB	EET SL	07/19/24 09:36
Total/NA	Prep	PrecSep_0			668147	MLT	EET SL	06/26/24 08:49
Total/NA	Analysis	904.0		1	670456	SCB	EET SL	07/12/24 11:36
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Lab Chronicle

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

Job ID: 500-252291-2

Client Sample ID: MW-09
Date Collected: 06/20/24 10:34
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-12R
Date Collected: 06/20/24 13:16
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:17

Client Sample ID: MW-11
Date Collected: 06/20/24 09:25
Date Received: 06/21/24 10:00

Lab Sample ID: 500-252291-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			668095	MLT	EET SL	06/26/24 08:32
Total/NA	Analysis	903.0		1	671346	SCB	EET SL	07/19/24 07:28
Total/NA	Prep	PrecSep_0			668143	MLT	EET SL	06/26/24 08:37
Total/NA	Analysis	904.0		1	670723	SCB	EET SL	07/15/24 12:43
Total/NA	Analysis	Ra226_Ra228		1	671637	FLC	EET SL	07/22/24 09:18

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-252291-2

Laboratory: Eurofins St. Louis

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

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

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

Tracer/Carrier Summary

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

Job ID: 500-252291-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-252291-1	MW-17	93.8	
500-252291-1 DU	MW-17	88.6	
500-252291-2	MW-18	92.1	
500-252291-3	MW-19	85.1	
500-252291-4	MW-20	94.3	
500-252291-5	MW-21	80.9	
500-252291-6	MW-21D	93.8	
500-252291-7	Duplicate 1	98.3	
500-252291-8	MW-14	95.0	
500-252291-9	MW-15	93.8	
500-252291-10	MW-16	97.5	
500-252291-11	MW-06	95.5	
500-252291-12	MW-07	96.5	
500-252291-13	MW-01	92.6	
500-252291-14	MW-02	84.6	
500-252291-15	MW-03	95.0	
500-252291-16	MW-04	89.1	
500-252291-17	MW-05	88.8	
500-252291-18	MW-13	91.6	
500-252291-19	Duplicate 2	94.3	
500-252291-20	MW-10	98.5	
500-252291-21	Duplicate 3	91.6	
500-252291-21 DU	Duplicate 3	98.0	
500-252291-22	MW-22	99.3	
500-252291-23	MW-23	94.8	
500-252291-24	MW-08	98.8	
500-252291-25	MW-09	85.6	
500-252291-26	MW-12R	87.1	
500-252291-27	MW-11	94.5	
LCS 160-667443/2-A	Lab Control Sample	97.0	
LCS 160-667705/2-A	Lab Control Sample	97.0	
LCS 160-668095/2-A	Lab Control Sample	97.3	
LCS 160-668146/2-A	Lab Control Sample	84.1	
MB 160-667443/1-A	Method Blank	98.3	
MB 160-667705/1-A	Method Blank	99.0	
MB 160-668095/1-A	Method Blank	99.0	
MB 160-668146/1-A	Method Blank	94.8	

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-252291-1	MW-17	93.8	85.2
500-252291-1 DU	MW-17	88.6	83.7
500-252291-2	MW-18	92.1	81.1

Eurofins Chicago

Tracer/Carrier Summary

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

Job ID: 500-252291-2

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

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
500-252291-3	MW-19	85.1	86.4
500-252291-4	MW-20	94.3	88.6
500-252291-5	MW-21	80.9	85.2
500-252291-6	MW-21D	93.8	86.4
500-252291-7	Duplicate 1	98.3	79.3
500-252291-8	MW-14	95.0	80.7
500-252291-9	MW-15	93.8	80.0
500-252291-10	MW-16	97.5	80.4
500-252291-11	MW-06	95.5	80.0
500-252291-12	MW-07	96.5	81.9
500-252291-13	MW-01	92.6	79.3
500-252291-14	MW-02	84.6	82.6
500-252291-15	MW-03	95.0	81.1
500-252291-16	MW-04	89.1	83.7
500-252291-17	MW-05	88.8	81.1
500-252291-18	MW-13	91.6	82.2
500-252291-19	Duplicate 2	94.3	82.2
500-252291-20	MW-10	98.5	83.0
500-252291-21	Duplicate 3	91.6	78.5
500-252291-21 DU	Duplicate 3	98.0	77.8
500-252291-22	MW-22	99.3	83.7
500-252291-23	MW-23	94.8	84.1
500-252291-24	MW-08	98.8	84.1
500-252291-25	MW-09	85.6	79.6
500-252291-26	MW-12R	87.1	88.6
500-252291-27	MW-11	94.5	81.1
LCS 160-667444/2-A	Lab Control Sample	97.0	84.5
LCS 160-667709/2-A	Lab Control Sample	97.0	80.7
LCS 160-668143/2-A	Lab Control Sample	97.3	83.4
LCS 160-668147/2-A	Lab Control Sample	84.1	81.1
MB 160-667444/1-A	Method Blank	98.3	82.2
MB 160-667709/1-A	Method Blank	99.0	82.2
MB 160-668143/1-A	Method Blank	99.0	81.9
MB 160-668147/1-A	Method Blank	94.8	81.1

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

PROJECT NAME	12313.1 - NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-01	Start Time	1045	
Condition of Well	Good			
Water Level	23.79	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	7 gals	WL at Sample Time	23.80	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCA, CCR	Sample Time	1106	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1047	23.79	6.94	10.7	.829	9.53	209.7	8.79
1050	-	6.81	10.1	.833	9.26	213.1	9.95
1053	-	6.61	10.0	.828	9.05	222.3	10.08
1056	-	6.53	10.1	.824	9.02	225.8	10.87
1059	-	6.49	10.0	.823	8.92	227.5	11.13
1102	23.80	6.48	9.8	.825	8.89	227.5	10.24

SAMPLING NOTES:

ABB/ASB, FAB

CCR "Duplicate 2"

Sampler Name and Company:

KPRG and Associates

kes

PROJECT NAME	12313.1 - NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-02	Start Time	0838	
Condition of Well	Good			
Water Level	26.70	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	6 gts	WL at Sample Time	26.72	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCA, CCR	Sample Time	0857	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0841	26.70	6.50	12.0	.828	8.26	172.8	11.18
0844	-	6.73	11.8	.876	6.24	165.4	10.04
0847	-	6.81	11.6	.880	5.44	162.6	8.78
0850	-	6.77	11.7	.879	4.78	165.7	8.42
0853	26.72	6.69	11.7	.880	4.35	170.5	8.34

SAMPLING NOTES:

FAB

Sampler Name and Company:

KPRG and Associates

KCS

PROJECT NAME	12313.1 - NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-03	Start Time	0945	
Condition of Well	good			
Water Level	26.25	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	4.5qt	WL at Sample Time	26.25	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCA, CCR	Sample Time	100Z	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0949	26.25	6.99	16.6	.765	8.90	223.5	7.46
0952	-	6.81	16.3	.765	7.37	223.3	7.21
0955	-	6.80	16.4	.764	6.86	222.2	7.24
0958	-	6.80	16.3	.765	6.46	220.7	7.26

SAMPLING NOTES:

FAB

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.1 - NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-04	Start Time	1158	
Condition of Well	okay - hinges on top casing rusted so stick-up down to close all the way - still able to lock shut			
Water Level	26.68	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	7qt	WL at Sample Time	26.68	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	CCA, CCR	Sample Time	1220	
Water Quality Meter	YSI ProDSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1201	26.68	6.73	22.1	.889	6.65	193.5	9.90
1204	-	6.69	22.6	.948	5.23	178.3	7.44
1207	-	6.72	22.7	.954	4.60	171.2	6.47
1210	-	6.73	22.7	.951	4.17	165.8	7.11
1213	-	6.75	22.8	.954	4.16	163.3	11.52
1216	-	6.77	23.0	.948	3.85	160.8	12.81

SAMPLING NOTES:
FAB

Sampler Name and
Company:

KPRG and Associates

KLS

PROJECT NAME	12313.1 – NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-05	Start Time	1259	
Condition of Well	good			
Water Level	23.56	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	6 gts	WL at Sample Time	23.56	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	CCR, CCA	Sample Time	1318	
Water Quality Meter				

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1302	23.56	6.98	14.5	1.198	7.15	167.9	8.42
1305	-	6.78	14.2	1.217	5.09	172.9	7.80
1308	-	6.75	14.1	1.216	3.90	173.4	7.65
1311	-	6.74	14.0	1.220	3.31	172.9	7.70
1314	23.56	6.74	14.2	1.211	2.85	172.0	7.56

SAMPLING NOTES:

FAB

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.1 – NRG - Powerton Station		DATE	6/19/24
Sample Name	MW-10	Start Time	1517	
Condition of Well	good			
Water Level	15.68	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Sl. cloudy, ^{dark} gray	
Volume Removed	5 gts	WL at Sample Time	15.69	
Method of Sample	Low flow bladder	Sample Characteristics	Sl. cloudy, brown	
Sample Analysis	CCA, CCR	Sample Time	1532	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1519	15.68	7.21	14.1	1.007	6.81	116.5	22.48
1522	-	7.02	13.6	.994	5.20	121.2	32.28
1525	-	6.97	13.5	.989	4.06	122.1	24.83
1528	15.69	6.95	13.7	.988	3.35	121.3	22.65

SAMPLING NOTES:

FAB

Sampler Name and Company:

KPRG and Associates

KLS