DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

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

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 4th quarter 2022 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228	Selenium	Thallium
MW-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
MW-10 up-gradient	6/22/2017	0.46	100	48	0.19	6.81	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
	11/30/2021	0.42	100	47	0.19	6.99	^- 36	530	< 0.003	0.0015	0.2	< 0.001	< 0.0005	< 0.005	0.0037	0.00051	0.0031	< 0.0002	< 0.005	1.39	< 0.0025	< 0.002
	2/9/2022	0.41	94	48	0.22	6.88	50	530	< 0.003	0.011	0.6	< 0.001	0.00064	0.026	0.054	0.021	0.011	< 0.0002	< 0.005	6.51	0.0045	< 0.002
	3/29/22 (R)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.811	NS	NS
	6/7/2022	0.43	85	44	0.21	7.09	38	390	< 0.003	0.0011	0.18	< 0.001	< 0.0005	< 0.005	0.0028	< 0.0005	< 0.01	< 0.0002	< 0.005	0.687	0.0049	< 0.002
	8/30/2022	0.38	92	45	0.22	6.83	38	590	< 0.003	0.0012	0.24	< ^+ 0.001	< 0.0005	< 0.005	0.0086	0.00074	< ^+ 0.01	< 0.0002	< 0.005	1.4	< 0.0025	< 0.002
	11/15/2022	0.44	99	49	0.28	7.03	48	470	< 0.003	< 0.001	0.2	< 0.001	< 0.0005	< 0.005	0.0052	< 0.0005	< 0.01	< 0.0002	< 0.005	0.909	< 0.0025	< 0.002
MW-02 down-gradient	6/20/2017	0.33	90	55	0.19	7.01	47	500	< 0.003	0.0012	0.075	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.341	< 0.0025	< 0.002
	8/23/2017	V 1.30	86	49	0.19	7.40	61	440	< 0.003	< 0.001	0.062	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.833	< 0.0025	< 0.002
	11/7/2017	3.70	98	46	0.17	7.10	88	550	< 0.003	0.0014	0.091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.309	0.0027	< 0.002
	5/15/2018	0.22	80	45	0.23	7.71	54	500	< 0.003	0.0013	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	0.0004	< 0.005	< 0.408	< 0.0025	< 0.002
	8/7/2018	1.50	89	54	0.15	7.09	51	530	< 0.003	0.0016	0.067	<^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.622	< 0.0025	< 0.002
	10/30/2018	0.23	86	43	0.17	7.83	34	480	< 0.003	0.0015	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.564	< 0.0025	< 0.002
	2/26/2019	0.07	69	49	0.16	7.82	23	400	< 0.003	0.0026	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	0.0013	< 0.01	< 0.0002	< 0.005	< 0.425	< 0.0025	< 0.002
	4/30/2019	0.12	79	48	0.16	7.60	30	440	< 0.003	0.0013	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.441	< 0.0025	< 0.002
	8/26/2019	0.51	86	50	0.18	7.13	32	400	< 0.003	0.0011	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	1.180	< 0.0025	< 0.002
	2/24/2020	0.33	89	53	0.20	7.43	37	410	< 0.003	0.0011	0.061	< ^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.485	< 0.0025	< 0.002
	4/28/2020	0.33	90	50	0.20	7.32	41	430	NA	0.0016	0.06	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.54	< 0.0025	NA
	12/9/2020	0.66	100	41	0.15	7.78	64	430	NA	< 0.001	0.076	NA	NA	< 0.005	< 0.001	< 0.0005	NA	< 0.0002	0.0059	< 0.471	< 0.0025	NA
	5/11/2021	0.23	79	51	0.21	7.70	37	370	< 0.003	0.0015	0.057	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0095	< 0.528	< 0.0025	< 0.002
	8/24/2021	0.63	94	47	0.17	7.31	56	340	< 0.003	0.0014	0.073	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.47	< 0.0025	< 0.002
	11/30/2021	0.22	87	41	0.14	7.39	^- 36	380	< 0.003	0.0017	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0045	< 0.0002	< 0.005	0.575	< 0.0025	< 0.002
	2/8/2022	0.27	95	47	0.2	7.69	49	550	< 0.003	0.0017	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0025	< 0.0002	0.0076	0.554	< 0.0025	< 0.002
	6/7/2022	0.23	86	49	0.16	7.73	32	440	< 0.003	0.0016	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.0100	< 0.0002	0.0063	0.665	< 0.0025	< 0.002
	8/30/2022	1.1	95	45	0.15	7.22	75	690	< 0.003	< 0.001	0.073	< ^+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< ^+ 0.0100	< 0.0002	< 0.005	0.535	< 0.0025	< 0.002
	11/14/2022	1.6	96	49	0.21	7.14	63	480	< 0.003	< 0.001	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.587	< 0.0025	< 0.002

Notes: All units are in mg/l except pH is in standard units.
V- Serial dilution exceeds control limits.
H- Sample was prepped or analyzed beyond specified holding time
F1 - MS and/or MSD Recovery outside of limits.
* - LCS or LCSD is outside acceptance limits.
^ - Denotes instrument related QC exceeds the control limits
NA - Not Analyzed

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	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228	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
MW-04 down-gradient	6/20/2017	0.5	77	55	0.29	7.45	53	480	< 0.003	< 0.001	0.0025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.343	< 0.0025	< 0.002
	8/28/2017	V 0.73	90	89	0.33	7.13	110	680	< 0.003	< 0.001	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.013	< 0.246	< 0.0025	< 0.002
	11/7/2017	0.60	110	94	0.24	6.80	130	650	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.332	0.0092	< 0.002
	5/15/2018	0.68	87	66	0.27	7.63	100	630	< 0.003	< 0.001	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.661	< 0.0025	< 0.002
	8/7/2018	0.79	84	71	0.32	6.72	49	510	< 0.003	0.0011	0.031	<^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.006	< 0.334	< 0.0025	< 0.002
	10/30/2018	0.54	100	80	0.24	7.55	91	690	< 0.003	< 0.001	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.423	< 0.0025	< 0.002
	2/26/2019	0.38	79	55	0.25	7.18	52	490	< 0.003	0.0013	0.033	< 0.001	< 0.0005	< 0.005	0.001	0.0012	< 0.01	< 0.0002	< 0.005	0.366	< 0.0025	< 0.002
	4/30/2019	0.36	74	48	0.25	7.08	35	380	< 0.003	< 0.001	0.026	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.684	< 0.0025	< 0.002
	8/26/2019	0.64	91	60	0.24	7.08	14	490	< 0.003	< 0.001	0.032	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.008	1.090	< 0.0025	< 0.002
	2/24/2020	0.34	81	49	0.20	7.05	67	440	< 0.003	< 0.001	0.024	< ^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.595	< 0.0025	< 0.002
	4/28/2020	0.55	76	52	0.27	7.03	47	380	NA	< 0.001	0.025	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	< 0.005	< 0.465	< 0.0025	NA
	12/9/2020	0.57	92	88	0.32	7.10	94	580	NA	< 0.001	0.034	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0076	< 0.411	< 0.0025	NA
	5/11/2021	0.61	77	44	0.33	7.22	76	410	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.533	< 0.0025	< 0.002
	8/24/2021	0.72	78	48	0.34	7.12	15	100	< 0.003	< 0.001	0.024	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.014	< 0.427	< 0.0025	< 0.002
	11/30/2021	0.51	99	56	0.25	6.95	^- 62	560	< 0.003	0.0012	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0035	< 0.0002	< 0.005	< 0.419	< 0.0025	< 0.002
	2/8/2022	0.47	88	59	0.29	7.15	52	580	< 0.003	< 0.001	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0038	< 0.0002	0.006	0.818	< 0.0025	< 0.002
	6/7/2022	0.48	73	43	0.3	7.31	30	320	< 0.003	< 0.001	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0051	< 0.473	< 0.0025	< 0.002
	8/30/2022	0.67	94	61	0.21	6.80	67	720	< 0.003	< 0.001	0.034	< ^+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< ^+ 0.01	< 0.0002	< 0.005	< 0.546	< 0.0025	< 0.002
	11/14/2022	0.84	110	62	0.2	6.85	41	570	< 0.003	< 0.001	0.08	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.583	0.0074	< 0.002
MW-05 down-gradient	5/17/2016	0.70	100	85	0.35	7.08	120	660	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.373	< 0.0025	< 0.002
	8/16/2016	0.69	110	97	0.30	6.85	150	830	< 0.003	< 0.001	0.060	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.452	< 0.0025	< 0.002
	11/15/2016	0.93	94	66	0.23	6.96	77	620	< 0.003	< 0.001	0.051	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	0.449	< 0.0025	< 0.002
	2/14/2017	0.79	100	100	0.25	7.25	170	760	< 0.003	< 0.001	0.062	< 0.001	< 0.0005	< 0.005	< 0.001	0.00091	< 0.01	< 0.0002	< 0.005	< 0.359	< 0.0025	< 0.002
	5/1/2017	0.70	100	92	0.28	7.60	170	710	< 0.003	< 0.001	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0066	< 0.439	< 0.0025	< 0.002
	6/20/2017	0.64	89	63	0.28	7.32	78	550	< 0.003	< 0.001	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0061	< 0.365	< 0.0025	< 0.002
	8/28/2017	0.62	110	120	0.33	7.05	210	870	< 0.003	< 0.001	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0085	0.381	< 0.0025	< 0.002
	11/7/2017	0.51	99	110	0.31	6.87	160	990	< 0.003	< 0.001	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.341	< 0.0025	< 0.002
	5/15/2018	0.61	130	89	0.29	7.70	210	910	< 0.003	< 0.001	0.062	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	< 0.005	< 0.390	< 0.0025	< 0.002
	8/7/2018	0.49	110	120	0.32	6.56	180	890	< 0.003	< 0.001	0.054	<^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0069	0.523	< 0.0025	< 0.002
	4/30/2019	0.56	84	73	0.36	6.96	120	590	< 0.003	< 0.001	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0061	< 0.709	< 0.0025	< 0.002
	8/26/2019	0.57	110	75	0.29	7.01	110	660	< 0.003	< 0.001	0.050	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0067	0.651	< 0.0025	< 0.002
	2/24/2020	0.54	110	70	0.36	6.90	120	H 700	< 0.003	< 0.001	0.057	< ^ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0061	0.506	< 0.0025	< 0.002
	4/28/2020	0.49	110	56	0.37	6.87	130	620	NA	0.001	0.052	NA	NA	< 0.005	< 0.001	< 0.0005	NA	NA	0.0074	0.508	< 0.0025	NA
	12/9/2020	0.53	98	78	0.31	6.91	110	670	NA	< 0.001	0.05	NA	NA	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0072	0.569	< 0.0025	NA
	5/11/2021	0.50	83	52	0.38	7.20	100	530	< 0.003	< 0.001	0.04	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0062	< 0.525	< 0.0025	< 0.002
	8/24/2021	0.55	88	69	0.32	6.84	99	500	< 0.003	< 0.001	0.041	< 0.001	< 0.0005	0.007	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0073	0.863	< 0.0025	< 0.002
	11/30/2021	0.68	99	67	0.3	6.92	^- 92	620	< 0.003	0.0011	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0052	< 0.0002	0.0051	0.632	< 0.0025	< 0.002
	2/8/2022	0.56	88	68	0.36	6.95	91	650	< 0.003	< 0.001	0.043	< 0.001	0.00066	< 0.005	0.0023	0.0017	0.0051	< 0.0002	0.007	< 0.438	< 0.0025	< 0.002
	6/7/2022	0.59	110	58	0.27	7.15	120	650	< 0.003	< 0.001	0.052	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	0.00034	< 0.005	< 0.468	< 0.0025	< 0.002
	8/30/2022	0.69	79	73	0.38	6.94	86	720	< 0.003	< 0.001	0.029	< ^+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< ^+ 0.01	< 0.0002	0.0073	< 0.538	< 0.0025	< 0.002
	11/14/2022	1.1	96	64	0.29	6.87	93	600	< 0.003	< 0.001	0.072	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0064	< 0.573	< 0.0025	< 0.002

Notes: All units are in mg/l except pH is in standard units.
V- Serial dilution exceeds control limits.
H- Sample was prepped or analyzed beyond specified holding time

F1 - MS and/or MSD Recovery outside of limits.
* - LCS or LCSD is outside acceptance limits.
^ - Denotes instrument related QC exceeds the control limits

NA - Not Analyzed

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
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
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
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
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
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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/16/2022 10:19:13 AM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-225445-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

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Authorization

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Authorized for release by
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Table of Contents

Case Narrative

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

Job ID: 500-225445-1

Job ID: 500-225445-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-225445-1

Comments
No additional comments.

Receipt
The samples were received on 11/15/2022 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 2 coolers at receipt time were -0.9º C and 0.5º C.

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

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

Method Summary

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

Job ID: 500-225445-1

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

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

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

Job ID: 500-225445-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225445-1	MW-05	Water	11/14/22 13:31	11/15/22 10:00
500-225445-2	MW-02	Water	11/14/22 14:26	11/15/22 10:00
500-225445-3	MW-03	Water	11/14/22 15:15	11/15/22 10:00
500-225445-4	MW-04	Water	11/14/22 16:25	11/15/22 10:00
500-225445-5	MW-01	Water	11/15/22 09:56	11/16/22 10:30
500-225445-6	MW-10	Water	11/15/22 11:21	11/16/22 10:30
500-225445-7	Duplicate	Water	11/15/22 00:00	11/16/22 10:30

Client Sample Results

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

Job ID: 500-225445-1

Client Sample ID: MW-05

Date Collected: 11/14/22 13:31
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 13:43	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:43	1
Barium	**0.072**		0.0025		mg/L		11/30/22 18:17	12/01/22 13:43	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:43	1
Boron	**1.1**		0.050		mg/L		11/30/22 18:17	12/01/22 13:43	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:43	1
Calcium	**96**		0.20		mg/L		11/30/22 18:17	12/01/22 13:43	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:43	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:43	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:43	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 13:43	1
Molybdenum	**0.0064**		0.0050		mg/L		11/30/22 18:17	12/01/22 13:43	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 13:43	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 13:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**600**		10		mg/L			11/18/22 03:22	1
Chloride (SM 4500 Cl- E)	**64**		4.0		mg/L			11/30/22 11:16	2
Fluoride (SM 4500 F C)	**0.29**		0.10		mg/L			12/01/22 13:34	1
Sulfate (SM 4500 SO4 E)	**93**		50		mg/L			11/29/22 09:23	10

Client Sample Results

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

Job ID: 500-225445-1

Client Sample ID: MW-02

Date Collected: 11/14/22 14:26
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 13:47	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:47	1
Barium	**0.083**		0.0025		mg/L		11/30/22 18:17	12/01/22 13:47	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:47	1
Boron	**1.6**		0.050		mg/L		11/30/22 18:17	12/01/22 13:47	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:47	1
Calcium	**96**		0.20		mg/L		11/30/22 18:17	12/01/22 13:47	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:47	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:47	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:47	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 13:47	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:47	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 13:47	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 13:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**480**		10		mg/L			11/18/22 03:29	1
Chloride (SM 4500 Cl- E)	**49**		20		mg/L			11/30/22 12:22	10
Fluoride (SM 4500 F C)	**0.21**		0.10		mg/L			12/01/22 13:37	1
Sulfate (SM 4500 SO4 E)	**63**		50		mg/L			11/29/22 09:23	10

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

Job ID: 500-225445-1

Client Sample ID: MW-03

Date Collected: 11/14/22 15:15
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 13:50	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:50	1
Barium	**0.11**		0.0025		mg/L		11/30/22 18:17	12/01/22 13:50	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:50	1
Boron	**0.42**		0.050		mg/L		11/30/22 18:17	12/01/22 13:50	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:50	1
Calcium	**81**		0.20		mg/L		11/30/22 18:17	12/01/22 13:50	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:50	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:50	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:50	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 13:50	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:50	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 13:50	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 13:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**430**		10		mg/L			11/18/22 03:35	1
Chloride (SM 4500 Cl- E)	**49**		10		mg/L			11/30/22 12:23	5
Fluoride (SM 4500 F C)	**0.28**		0.10		mg/L			12/01/22 13:40	1
Sulfate (SM 4500 SO4 E)	**44**		25		mg/L			11/29/22 09:23	5

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

Job ID: 500-225445-1

Client Sample ID: MW-04

Date Collected: 11/14/22 16:25
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 13:54	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:54	1
Barium	**0.080**		0.0025		mg/L		11/30/22 18:17	12/01/22 13:54	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:54	1
Boron	**0.84**		0.050		mg/L		11/30/22 18:17	12/01/22 13:54	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:54	1
Calcium	**110**		0.20		mg/L		11/30/22 18:17	12/01/22 13:54	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:54	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:54	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:54	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 13:54	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:54	1
Selenium	**0.0074**		0.0025		mg/L		11/30/22 18:17	12/01/22 13:54	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 13:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**570**		10		mg/L			11/18/22 03:37	1
Chloride (SM 4500 Cl- E)	**62**		10		mg/L			11/30/22 12:23	5
Fluoride (SM 4500 F C)	**0.20**		0.10		mg/L			12/01/22 13:43	1
Sulfate (SM 4500 SO4 E)	**41**		25		mg/L			11/29/22 09:24	5

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

Job ID: 500-225445-1

Client Sample ID: MW-01

Date Collected: 11/15/22 09:56
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 14:18	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:18	1
Barium	**0.086**		0.0025		mg/L		11/30/22 18:17	12/01/22 14:18	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:18	1
Boron	**0.74**		0.050		mg/L		11/30/22 18:17	12/01/22 14:18	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:18	1
Calcium	**110**		0.20		mg/L		11/30/22 18:17	12/01/22 14:18	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:18	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:18	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:18	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 14:18	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:18	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 14:18	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 14:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**530**		10		mg/L			11/18/22 03:40	1
Chloride (SM 4500 Cl- E)	**47**		10		mg/L			11/30/22 12:23	5
Fluoride (SM 4500 F C)	**0.10**		0.10		mg/L			12/01/22 10:09	1
Sulfate (SM 4500 SO4 E)	**45**		25		mg/L			11/29/22 09:24	5

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

Job ID: 500-225445-1

Client Sample ID: MW-10

Date Collected: 11/15/22 11:21
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 14:21	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:21	1
Barium	**0.20**		0.0025		mg/L		11/30/22 18:17	12/01/22 14:21	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:21	1
Boron	**0.44**		0.050		mg/L		11/30/22 18:17	12/01/22 14:21	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:21	1
Calcium	**99**		0.20		mg/L		11/30/22 18:17	12/01/22 14:21	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:21	1
Cobalt	**0.0052**		0.0010		mg/L		11/30/22 18:17	12/01/22 14:21	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:21	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 14:21	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:21	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 14:21	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 14:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**470**		10		mg/L			11/18/22 03:42	1
Chloride (SM 4500 Cl- E)	**49**		10		mg/L			11/30/22 12:24	5
Fluoride (SM 4500 F C)	**0.28**		0.10		mg/L			12/01/22 10:09	1
Sulfate (SM 4500 SO4 E)	**48**		25		mg/L			11/29/22 09:24	5

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

Job ID: 500-225445-1

Client Sample ID: Duplicate

Date Collected: 11/15/22 00:00
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 14:25	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:25	1
Barium	**0.20**		0.0025		mg/L		11/30/22 18:17	12/01/22 14:25	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 14:25	1
Boron	**0.43**		0.050		mg/L		11/30/22 18:17	12/01/22 14:25	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:25	1
Calcium	**97**		0.20		mg/L		11/30/22 18:17	12/01/22 14:25	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:25	1
Cobalt	**0.0036**		0.0010		mg/L		11/30/22 18:17	12/01/22 14:25	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 14:25	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 14:25	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 14:25	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 14:25	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 14:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**450**		10		mg/L			11/18/22 03:45	1
Chloride (SM 4500 Cl- E)	**49**		10		mg/L			11/30/22 12:24	5
Fluoride (SM 4500 F C)	**0.29**		0.10		mg/L			12/01/22 10:09	1
Sulfate (SM 4500 SO4 E)	**48**		25		mg/L			11/29/22 09:24	5

Definitions/Glossary

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

Job ID: 500-225445-1

Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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

Metals

Prep Batch: 686316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	7470A	
500-225445-2	MW-02	Total/NA	Water	7470A	
500-225445-3	MW-03	Total/NA	Water	7470A	
500-225445-4	MW-04	Total/NA	Water	7470A	
500-225445-5	MW-01	Total/NA	Water	7470A	
500-225445-6	MW-10	Total/NA	Water	7470A	
500-225445-7	Duplicate	Total/NA	Water	7470A	
MB 500-686316/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-686316/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 686552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	7470A	686316
500-225445-2	MW-02	Total/NA	Water	7470A	686316
500-225445-3	MW-03	Total/NA	Water	7470A	686316
500-225445-4	MW-04	Total/NA	Water	7470A	686316
500-225445-5	MW-01	Total/NA	Water	7470A	686316
500-225445-6	MW-10	Total/NA	Water	7470A	686316
500-225445-7	Duplicate	Total/NA	Water	7470A	686316
MB 500-686316/12-A	Method Blank	Total/NA	Water	7470A	686316
LCS 500-686316/13-A	Lab Control Sample	Total/NA	Water	7470A	686316

Prep Batch: 687596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total Recoverable	Water	3005A	
500-225445-2	MW-02	Total Recoverable	Water	3005A	
500-225445-3	MW-03	Total Recoverable	Water	3005A	
500-225445-4	MW-04	Total Recoverable	Water	3005A	
500-225445-5	MW-01	Total Recoverable	Water	3005A	
500-225445-6	MW-10	Total Recoverable	Water	3005A	
500-225445-7	Duplicate	Total Recoverable	Water	3005A	
MB 500-687596/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-687596/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-225445-4 MS	MW-04	Total Recoverable	Water	3005A	
500-225445-4 MSD	MW-04	Total Recoverable	Water	3005A	
500-225445-4 DU	MW-04	Total Recoverable	Water	3005A	

Analysis Batch: 687785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total Recoverable	Water	6020A	687596
500-225445-2	MW-02	Total Recoverable	Water	6020A	687596
500-225445-3	MW-03	Total Recoverable	Water	6020A	687596
500-225445-4	MW-04	Total Recoverable	Water	6020A	687596
500-225445-5	MW-01	Total Recoverable	Water	6020A	687596
500-225445-6	MW-10	Total Recoverable	Water	6020A	687596
500-225445-7	Duplicate	Total Recoverable	Water	6020A	687596
MB 500-687596/1-A	Method Blank	Total Recoverable	Water	6020A	687596
LCS 500-687596/2-A	Lab Control Sample	Total Recoverable	Water	6020A	687596
500-225445-4 MS	MW-04	Total Recoverable	Water	6020A	687596
500-225445-4 MSD	MW-04	Total Recoverable	Water	6020A	687596
500-225445-4 DU	MW-04	Total Recoverable	Water	6020A	687596

General Chemistry

Analysis Batch: 603148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	SM 4500 F C	
500-225445-2	MW-02	Total/NA	Water	SM 4500 F C	
500-225445-3	MW-03	Total/NA	Water	SM 4500 F C	
500-225445-4	MW-04	Total/NA	Water	SM 4500 F C	
MB 400-603148/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-603148/13	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-603148/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 603174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-5	MW-01	Total/NA	Water	SM 4500 F C	
500-225445-6	MW-10	Total/NA	Water	SM 4500 F C	
500-225445-7	Duplicate	Total/NA	Water	SM 4500 F C	
MB 400-603174/10	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-603174/13	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-603174/12	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 685754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	SM 2540C	
500-225445-2	MW-02	Total/NA	Water	SM 2540C	
500-225445-3	MW-03	Total/NA	Water	SM 2540C	
500-225445-4	MW-04	Total/NA	Water	SM 2540C	
500-225445-5	MW-01	Total/NA	Water	SM 2540C	
500-225445-6	MW-10	Total/NA	Water	SM 2540C	
500-225445-7	Duplicate	Total/NA	Water	SM 2540C	
MB 500-685754/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-685754/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-225445-1 MS	MW-05	Total/NA	Water	SM 2540C	
500-225445-1 DU	MW-05	Total/NA	Water	SM 2540C	
500-225445-2 DU	MW-02	Total/NA	Water	SM 2540C	

Analysis Batch: 687313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-225445-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-225445-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-225445-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-225445-5	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-225445-6	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-225445-7	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-687313/52	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-687313/53	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 687566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-225445-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-225445-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-225445-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-225445-5	MW-01	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 687566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-6	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-225445-7	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-687566/100	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-687566/145	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-687566/101	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-687566/146	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-225445-2 MS	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-225445-2 MSD	MW-02	Total/NA	Water	SM 4500 Cl- E	

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-687596/1-A
Matrix: Water
Analysis Batch: 687785

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/30/22 18:17	12/01/22 13:36	1
Arsenic	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:36	1
Barium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 13:36	1
Beryllium	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:36	1
Boron	<0.050		0.050		mg/L		11/30/22 18:17	12/01/22 13:36	1
Cadmium	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:36	1
Calcium	<0.20		0.20		mg/L		11/30/22 18:17	12/01/22 13:36	1
Chromium	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:36	1
Cobalt	<0.0010		0.0010		mg/L		11/30/22 18:17	12/01/22 13:36	1
Lead	<0.00050		0.00050		mg/L		11/30/22 18:17	12/01/22 13:36	1
Lithium	<0.010		0.010		mg/L		11/30/22 18:17	12/01/22 13:36	1
Molybdenum	<0.0050		0.0050		mg/L		11/30/22 18:17	12/01/22 13:36	1
Selenium	<0.0025		0.0025		mg/L		11/30/22 18:17	12/01/22 13:36	1
Thallium	<0.0020		0.0020		mg/L		11/30/22 18:17	12/01/22 13:36	1

Lab Sample ID: LCS 500-687596/2-A
Matrix: Water
Analysis Batch: 687785

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.504		mg/L		101	80 - 120
Arsenic	0.100	0.0923		mg/L		92	80 - 120
Barium	2.00	2.03		mg/L		101	80 - 120
Beryllium	0.0500	0.0488		mg/L		98	80 - 120
Boron	1.00	0.999		mg/L		100	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Calcium	10.0	9.85		mg/L		99	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.514		mg/L		103	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Lithium	0.500	0.489		mg/L		98	80 - 120
Molybdenum	1.00	0.945		mg/L		94	80 - 120
Selenium	0.100	0.0985		mg/L		99	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Lab Sample ID: 500-225445-4 MS
Matrix: Water
Analysis Batch: 687785

Client Sample ID: MW-04
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.0030		0.500	0.518		mg/L		104	75 - 125
Arsenic	<0.0010		0.100	0.0940		mg/L		93	75 - 125
Barium	0.080		2.00	2.09		mg/L		101	75 - 125
Beryllium	<0.0010		0.0500	0.0469		mg/L		94	75 - 125
Boron	0.84		1.00	1.80		mg/L		95	75 - 125
Cadmium	<0.00050		0.0500	0.0490		mg/L		98	75 - 125
Calcium	110		10.0	113	4	mg/L		70	75 - 125
Chromium	<0.0050		0.200	0.202		mg/L		101	75 - 125
Cobalt	<0.0010		0.500	0.491		mg/L		98	75 - 125

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

Lab Sample ID: 500-225445-4 MS
Matrix: Water
Analysis Batch: 687785

Client Sample ID: MW-04
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Lithium	<0.010		0.500	0.477		mg/L		95	75 - 125
Molybdenum	<0.0050		1.00	0.972		mg/L		97	75 - 125
Selenium	0.0074		0.100	0.106		mg/L		99	75 - 125
Thallium	<0.0020		0.100	0.105		mg/L		105	75 - 125

Lab Sample ID: 500-225445-4 MSD
Matrix: Water
Analysis Batch: 687785

Client Sample ID: MW-04
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.531		mg/L		106	75 - 125	2	20
Arsenic	<0.0010		0.100	0.0957		mg/L		95	75 - 125	2	20
Barium	0.080		2.00	2.08		mg/L		100	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0508		mg/L		102	75 - 125	8	20
Boron	0.84		1.00	1.87		mg/L		103	75 - 125	4	20
Cadmium	<0.00050		0.0500	0.0493		mg/L		99	75 - 125	1	20
Calcium	110		10.0	117	4	mg/L		112	75 - 125	4	20
Chromium	<0.0050		0.200	0.205		mg/L		103	75 - 125	2	20
Cobalt	<0.0010		0.500	0.504		mg/L		101	75 - 125	3	20
Lead	<0.00050		0.100	0.104		mg/L		104	75 - 125	1	20
Lithium	<0.010		0.500	0.484		mg/L		96	75 - 125	2	20
Molybdenum	<0.0050		1.00	0.992		mg/L		99	75 - 125	2	20
Selenium	0.0074		0.100	0.107		mg/L		100	75 - 125	1	20
Thallium	<0.0020		0.100	0.106		mg/L		106	75 - 125	1	20

Lab Sample ID: 500-225445-4 DU
Matrix: Water
Analysis Batch: 687785

Client Sample ID: MW-04
Prep Type: Total Recoverable
Prep Batch: 687596

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.080		0.0806		mg/L		0.7	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.84		0.838		mg/L		0.4	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	110		106		mg/L		0.08	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		<0.010		mg/L		NC	20
Molybdenum	<0.0050		<0.0050		mg/L		NC	20
Selenium	0.0074		0.00750		mg/L		0.8	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-686316/12-A
Matrix: Water
Analysis Batch: 686552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/21/22 10:20	11/22/22 08:17	1

Lab Sample ID: LCS 500-686316/13-A
Matrix: Water
Analysis Batch: 686552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00198	0.00180		mg/L		91	80 - 120

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

Lab Sample ID: MB 500-685754/1
Matrix: Water
Analysis Batch: 685754

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			11/18/22 03:17	1

Lab Sample ID: LCS 500-685754/2
Matrix: Water
Analysis Batch: 685754

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	250	244		mg/L		98	80 - 120

Lab Sample ID: 500-225445-1 MS
Matrix: Water
Analysis Batch: 685754

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	600		250	870		mg/L		108	75 - 125

Lab Sample ID: 500-225445-1 DU
Matrix: Water
Analysis Batch: 685754

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	600		574		mg/L		4	5

Lab Sample ID: 500-225445-2 DU
Matrix: Water
Analysis Batch: 685754

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	480		492		mg/L		3	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-687566/100
Matrix: Water
Analysis Batch: 687566

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/30/22 11:09	1

Lab Sample ID: MB 500-687566/145
Matrix: Water
Analysis Batch: 687566

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			11/30/22 12:21	1

Lab Sample ID: LCS 500-687566/101
Matrix: Water
Analysis Batch: 687566

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	21.9		mg/L		109	85 - 115

Lab Sample ID: LCS 500-687566/146
Matrix: Water
Analysis Batch: 687566

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	21.4		mg/L		107	85 - 115

Lab Sample ID: 500-225445-2 MS
Matrix: Water
Analysis Batch: 687566

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49		20.0	67.6		mg/L		91	75 - 125

Lab Sample ID: 500-225445-2 MSD
Matrix: Water
Analysis Batch: 687566

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49		20.0	67.0		mg/L		88	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-603148/10
Matrix: Water
Analysis Batch: 603148

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			12/01/22 13:04	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 400-603148/13
Matrix: Water
Analysis Batch: 603148

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.02		mg/L		100	90 - 110

Lab Sample ID: MRL 400-603148/12
Matrix: Water
Analysis Batch: 603148

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.109		mg/L		109	

Lab Sample ID: MB 400-603174/10
Matrix: Water
Analysis Batch: 603174

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			12/01/22 10:09	1

Lab Sample ID: LCS 400-603174/13
Matrix: Water
Analysis Batch: 603174

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.02		mg/L		100	90 - 110

Lab Sample ID: MRL 400-603174/12
Matrix: Water
Analysis Batch: 603174

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.100		mg/L		100	

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-687313/52
Matrix: Water
Analysis Batch: 687313

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			11/29/22 09:16	1

Lab Sample ID: LCS 500-687313/53
Matrix: Water
Analysis Batch: 687313

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

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

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: Kaelyn Spekle	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-106664-44025 1
Client Contact: Mitchel Dolan	Phone: 262-278-1121	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-225445-1
Address: 14665 West Lisbon Road, Suite 1A	Due Date Requested: Standard			
City: Brookfield	TAT Requested (days): Standard			
State, Zip: WI, 53005	Compliance Project: Δ Yes Δ No			
Phone: 262-781-0475(Tel)	PO #: 4502081030			
Email: mitcheld@kprginc.com	WO #:			
Project Name: Powerton CCR	Project #: 50011612			
Site: Illinois	SSOW#:			

500-225445 COC

11/16/22

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List Ra226Ra228_GFPC - Local Method	904.0 - Standard Target List 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note.
			Preservation Code:		X	X	D	D	D D N	X	
MW-01	11/15/22	0956	G	Water	N	N	X	X	X X X		
MW-10	11/15/22	1121	G	Water							
Duplicate	11/15/22	-	G	Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Preservation Codes

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

Analysis Requested

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

Deliverable Requested I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:
Relinquished by: Kaelyn Spekle	Date/Time: 11/15/22 1830	Company: KPRG	Received by: FedEx
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks.
		-0.4 → 0.9

Received by:	Date/Time:	Company
FedEx	11/15/22 1830	FedEx
	11/16/22 1030	EETA

Ver: 06/08/2021

12/16/2022

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: Kaelyn Sperle	Lab PM: Mockler Diana J	Carrier Tracking No(s):	COC No: 500-106664-44025 1
Client Contact: Mitchel Dolan	Phone: 262-278-1621	E-Mail: Diana Mockler@et eurofinsus com	State of Origin: IL	Page: Page 1 of 1
Company: KPRG and Associates Inc	PWSID:			Job #: 500-225445

Address: 14665 West Lisbon Road Suite 1A	Due Date Requested: Standard	Analysis Requested
City: Brookfield	TAT Requested (days): Standard	
State Zip: WI 53005	Compliance Project: Δ Yes Δ No	
Phone: 262-781-0475(Tel)	PO #: 4502081030	
Email: mitcheld@kprginc com	WO #:	
Project Name: Powerton CCR	Project #: 50011612	
Site: Illinois	SSOW#:	

500-225445 COC

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFPC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C 4500_F_C SM4500_Cl_E SM4500_SO4_E	Total Number of containers	Special Instructions/Note
				Preservation Code:				D	D	D	D	N		
1	MW-05	11/14/22	1331	G	Water	N	N	X	X	X	X	X		
2	MW-02	11/14/22	1426	G	Water	N	N	X	X	X	X	X		
3	MW-03	11/14/22	1515	G	Water	N	N	X	X	X	X	X		
4	MW-04	11/14/22	1625	G	Water	N	N	X	X	X	X	X		
					Water									
					Water									
					Water									
					Water									

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

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

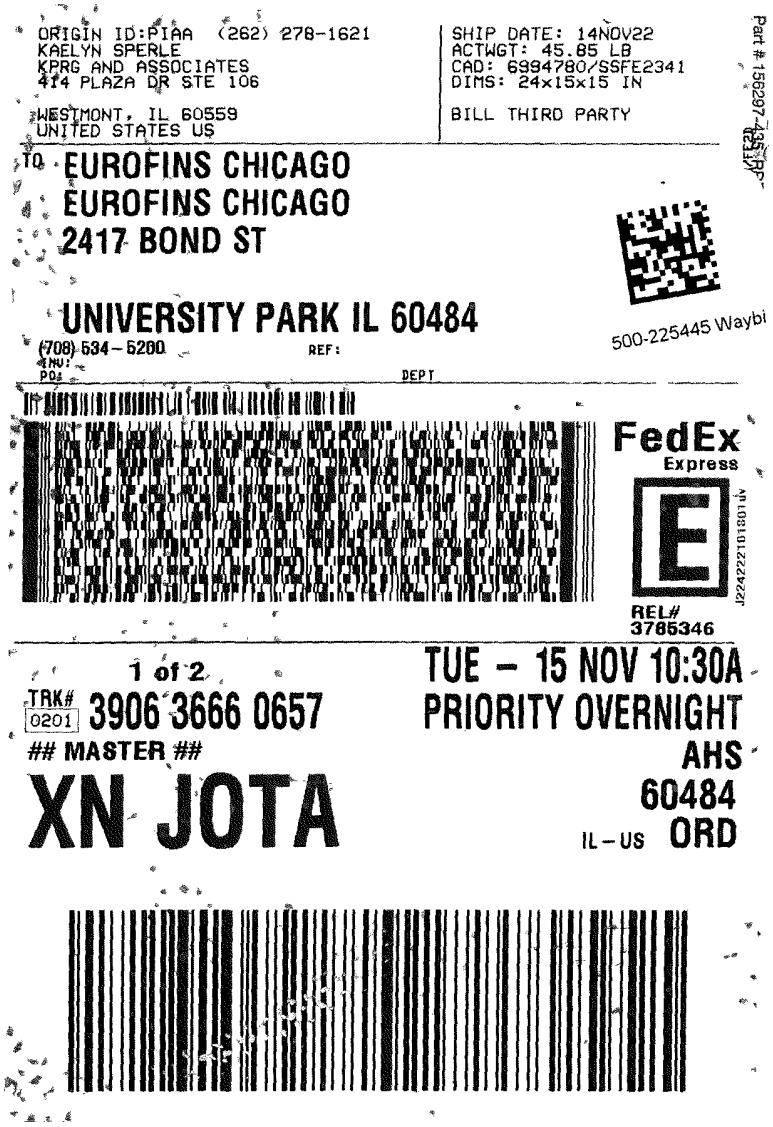
Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kaelyn Sperle	11/14/22/1830	KPRG	FedEx	11/14/22/1830	FedEx
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				[signature]	11/15/22 1000	ERT
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		1.0 -705



ORIGIN ID:PIAA (262) 278-1621
KAELYN SPERLE
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 14NOV22
ACTWGT: 45.85 LB
CAD: 6994780/SSFE2341
DIMS: 24x15x15 IN

BILL THIRD PARTY

Part # 156297-435-DF (FE2D)

TO EUROFINS CHICAGO
EUROFINS CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 534-6200

500-225445 Waybi

INV:
PO#
DEPT
REF:

FedEx Express

J224222101801uv

REL# 3785346

1 of 2

TRK# 0201 3906 3666 0657

TUE - 15 NOV 10:30A
PRIORITY OVERNIGHT

MASTER

XN JOTA

AHS
60484
IL-US ORD

489t

ORIGIN ID:PIAA (262) 278-1621
KAELYN SPERLE
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 15NOV22
ACTWGT: 48.45 LB
CAD: 6894780/SSFE2341
DIMS: 24x13x14 IN

BILL THIRD PARTY

Part # 156297-435 RRDB EXP 06/23

TO EUROFINS CHICAGO
EUROFINS CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF:
DEPT:

500-225445 Waybi

FedEx
Express

E

J224222101801uv

REL#
3785346

5 of 7
MPS# 0263 3906 9224 8942
Mstr# 3906 9224 8909
0201

WED - 16 NOV 10:30A
PRIORITY OVERNIGHT

XN JOTA

AHS
60484
IL-US ORD

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 (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-167516.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-225445-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 12/7/2022	Analysis Requested		Preservation Codes:
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Powerton CCR	Project #: 50011612			
Site: MWG - Powerton	SSOW#:			Other:

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_C	Total Number of containers	Special Instructions/Note:
				Preservation Code:					
MW-05 (500-225445-1)	11/14/22	13:31 Central		Water			X	1	
MW-02 (500-225445-2)	11/14/22	14:26 Central		Water			X	1	
MW-03 (500-225445-3)	11/14/22	15:15 Central		Water			X	1	
MW-04 (500-225445-4)	11/14/22	16:25 Central		Water			X	1	

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

Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 11/15/22 1455	Company: BETA	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 11/17/22 0942	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.2°C IR8		

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 (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-167585.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast,		Accreditations Required (See note): NELAP - Illinois		Job #: 500-225445-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 12/7/2022			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Powerton CCR	Project #: 50011612			
Site: MWG - Powerton	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_C	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-01 (500-225445-5)	11/15/22	09:56 Central		Water			X	1	
MW-10 (500-225445-6)	11/15/22	11:21 Central		Water			X	1	
Duplicate (500-225445-7)	11/15/22	Central		Water			X	1	

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Melissa Carbajal	11/16/22 1600	EETA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/17/22 842	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8°C IR6

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225445-1

Login Number: 225445
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5,-0.9 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225445-1

Login Number: 225445
List Number: 4
Creator: Whitley, Adrian

List Source: Eurofins Pensacola
List Creation: 11/17/22 07:49 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8°C IR8
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-225445-1

Client Sample ID: MW-05
Date Collected: 11/14/22 13:31
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 13:43
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 08:53
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:22
Total/NA	Analysis	SM 4500 Cl- E		2	687566	LP	EET CHI	11/30/22 11:16
Total/NA	Analysis	SM 4500 F C		1	603148	JP	EET PEN	12/01/22 13:34
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 09:23

Client Sample ID: MW-02
Date Collected: 11/14/22 14:26
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 13:47
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:00
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:29
Total/NA	Analysis	SM 4500 Cl- E		10	687566	LP	EET CHI	11/30/22 12:22
Total/NA	Analysis	SM 4500 F C		1	603148	JP	EET PEN	12/01/22 13:37
Total/NA	Analysis	SM 4500 SO4 E		10	687313	LP	EET CHI	11/29/22 09:23

Client Sample ID: MW-03
Date Collected: 11/14/22 15:15
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 13:50
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:02
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:35
Total/NA	Analysis	SM 4500 Cl- E		5	687566	LP	EET CHI	11/30/22 12:23
Total/NA	Analysis	SM 4500 F C		1	603148	JP	EET PEN	12/01/22 13:40
Total/NA	Analysis	SM 4500 SO4 E		5	687313	LP	EET CHI	11/29/22 09:23

Client Sample ID: MW-04
Date Collected: 11/14/22 16:25
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 13:54

Lab Chronicle

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

Job ID: 500-225445-1

Client Sample ID: MW-04

Date Collected: 11/14/22 16:25
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:04
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:37
Total/NA	Analysis	SM 4500 Cl- E		5	687566	LP	EET CHI	11/30/22 12:23
Total/NA	Analysis	SM 4500 F C		1	603148	JP	EET PEN	12/01/22 13:43
Total/NA	Analysis	SM 4500 SO4 E		5	687313	LP	EET CHI	11/29/22 09:24

Client Sample ID: MW-01

Date Collected: 11/15/22 09:56
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 14:18
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:06
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:40
Total/NA	Analysis	SM 4500 Cl- E		5	687566	LP	EET CHI	11/30/22 12:23
Total/NA	Analysis	SM 4500 F C		1	603174	JP	EET PEN	12/01/22 10:09
Total/NA	Analysis	SM 4500 SO4 E		5	687313	LP	EET CHI	11/29/22 09:24

Client Sample ID: MW-10

Date Collected: 11/15/22 11:21
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 14:21
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:08
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:42
Total/NA	Analysis	SM 4500 Cl- E		5	687566	LP	EET CHI	11/30/22 12:24
Total/NA	Analysis	SM 4500 F C		1	603174	JP	EET PEN	12/01/22 10:09
Total/NA	Analysis	SM 4500 SO4 E		5	687313	LP	EET CHI	11/29/22 09:24

Client Sample ID: Duplicate

Date Collected: 11/15/22 00:00
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			687596	RN	EET CHI	11/30/22 18:17 - 11/30/22 18:47 [1]
Total Recoverable	Analysis	6020A		1	687785	FXG	EET CHI	12/01/22 14:25
Total/NA	Prep	7470A			686316	MJG	EET CHI	11/21/22 10:20 - 11/21/22 12:20 [1]
Total/NA	Analysis	7470A		1	686552	MJG	EET CHI	11/22/22 09:10

Lab Chronicle

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

Job ID: 500-225445-1

Client Sample ID: Duplicate

Date Collected: 11/15/22 00:00
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	685754	CLB	EET CHI	11/18/22 03:45
Total/NA	Analysis	SM 4500 Cl- E		5	687566	LP	EET CHI	11/30/22 12:24
Total/NA	Analysis	SM 4500 F C		1	603174	JP	EET PEN	12/01/22 10:09
Total/NA	Analysis	SM 4500 SO4 E		5	687313	LP	EET CHI	11/29/22 09:24

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

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

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

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

Job ID: 500-225445-1

Laboratory: Eurofins Chicago

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

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

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/16/2022 8:25:11 AM

JOB DESCRIPTION

Powerton CCR

JOB NUMBER

500-225445-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

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

Authorization

Generated
12/16/2022 8:25:11 AM

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

Table of Contents

Job ID: 500-225445-2

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-225445-2

Comments
No additional comments.

Receipt
The samples were received on 11/15/2022 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 2 coolers at receipt time were -0.9º C and 0.5º C.

RAD
Methods 903.0, 9315: Radium-226 batch 590929
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
MW-05 (500-225445-1), MW-02 (500-225445-2), MW-03 (500-225445-3), MW-04 (500-225445-4), MW-01 (500-225445-5), MW-10 (500-225445-6), Duplicate (500-225445-7), (LCS 160-590929/2-A), (MB 160-590929/1-A), (240-176540-N-2-A), (240-176540-M-2-A MS) and (240-176540-J-2-A MSD)

Methods 904.0, 9320: Radium 228 batch 590934
The LCS recovered at (140%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (62-148%) per method requirements. The LCS passes, no further action is required (LCS 160-590934/2-A)

Methods 904.0, 9320: Radium 228 batch 590934
Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.
MW-05 (500-225445-1), MW-02 (500-225445-2), MW-03 (500-225445-3), MW-04 (500-225445-4), MW-01 (500-225445-5), MW-10 (500-225445-6), Duplicate (500-225445-7), (LCS 160-590934/2-A), (MB 160-590934/1-A), (240-176540-N-2-B), (240-176540-M-2-B MS) and (240-176540-J-2-B MSD)

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

Method Summary

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

Job ID: 500-225445-2

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

Job ID: 500-225445-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225445-1	MW-05	Water	11/14/22 13:31	11/15/22 10:00
500-225445-2	MW-02	Water	11/14/22 14:26	11/15/22 10:00
500-225445-3	MW-03	Water	11/14/22 15:15	11/15/22 10:00
500-225445-4	MW-04	Water	11/14/22 16:25	11/15/22 10:00
500-225445-5	MW-01	Water	11/15/22 09:56	11/16/22 10:30
500-225445-6	MW-10	Water	11/15/22 11:21	11/16/22 10:30
500-225445-7	Duplicate	Water	11/15/22 00:00	11/16/22 10:30

Client Sample ID: MW-05

Date Collected: 11/14/22 13:31
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-1

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	-0.0419	U	0.103	0.103	1.00	0.227	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	0.324	U	0.352	0.353	1.00	0.573	pCi/L	11/22/22 13:55	12/12/22 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:44*	*1*
Y Carrier	*73.6*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:44*	*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	0.282	U	0.367	0.368	5.00	0.573	pCi/L		12/15/22 17:35	1

Client Sample Results

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

Job ID: 500-225445-2

Client Sample ID: MW-02

Date Collected: 11/14/22 14:26
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-2

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	0.0733	U	0.128	0.128	1.00	0.224	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	0.485	U	0.383	0.385	1.00	0.587	pCi/L	11/22/22 13:55	12/12/22 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*1*
Y Carrier	*72.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*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	0.559	U	0.404	0.406	5.00	0.587	pCi/L		12/15/22 17:35	1

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

Job ID: 500-225445-2

Client Sample ID: MW-03

Date Collected: 11/14/22 15:15
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-3

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	0.0451	U	0.113	0.113	1.00	0.209	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	0.368	U	0.342	0.344	1.00	0.540	pCi/L	11/22/22 13:55	12/12/22 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*1*
Y Carrier	*72.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*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	0.413	U	0.360	0.362	5.00	0.540	pCi/L		12/15/22 17:35	1

Client Sample ID: MW-04

Date Collected: 11/14/22 16:25
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0271	U	0.116	0.117	1.00	0.222	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	0.258	U	0.348	0.349	1.00	0.583	pCi/L	11/22/22 13:55	12/12/22 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*1*
Y Carrier	*71.8*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:43*	*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	0.285	U	0.367	0.368	5.00	0.583	pCi/L		12/15/22 17:35	1

Client Sample ID: MW-01

Date Collected: 11/15/22 09:56
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-5

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	0.0706	U	0.106	0.107	1.00	0.183	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	**0.589**		0.383	0.387	1.00	0.566	pCi/L	11/22/22 13:55	12/12/22 11:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*1*
Y Carrier	*72.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*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	**0.659**		0.397	0.402	5.00	0.566	pCi/L		12/15/22 17:35	1

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

Job ID: 500-225445-2

Client Sample ID: MW-10

Date Collected: 11/15/22 11:21
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-6

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	0.150	U	0.146	0.147	1.00	0.230	pCi/L	11/22/22 13:16	12/14/22 08:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:16*	*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	**0.759**		0.379	0.385	1.00	0.501	pCi/L	11/22/22 13:55	12/12/22 11:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*1*
Y Carrier	*70.3*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*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	**0.909**		0.406	0.412	5.00	0.501	pCi/L		12/15/22 17:35	1

Client Sample ID: Duplicate

Date Collected: 11/15/22 00:00
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-7

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	0.403		0.177	0.181	1.00	0.214	pCi/L	11/22/22 13:16	12/14/22 08:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:17*	*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	0.776		0.390	0.396	1.00	0.540	pCi/L	11/22/22 13:55	12/12/22 11:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:30*	*1*
Y Carrier	*78.9*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:30*	*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		0.428	0.435	5.00	0.540	pCi/L		12/15/22 17:35	1

Definitions/Glossary

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

Job ID: 500-225445-2

Qualifiers

Rad

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 500-225445-2

Rad

Prep Batch: 590929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	PrecSep-21	
500-225445-2	MW-02	Total/NA	Water	PrecSep-21	
500-225445-3	MW-03	Total/NA	Water	PrecSep-21	
500-225445-4	MW-04	Total/NA	Water	PrecSep-21	
500-225445-5	MW-01	Total/NA	Water	PrecSep-21	
500-225445-6	MW-10	Total/NA	Water	PrecSep-21	
500-225445-7	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-590929/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-590929/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 590934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225445-1	MW-05	Total/NA	Water	PrecSep_0	
500-225445-2	MW-02	Total/NA	Water	PrecSep_0	
500-225445-3	MW-03	Total/NA	Water	PrecSep_0	
500-225445-4	MW-04	Total/NA	Water	PrecSep_0	
500-225445-5	MW-01	Total/NA	Water	PrecSep_0	
500-225445-6	MW-10	Total/NA	Water	PrecSep_0	
500-225445-7	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-590934/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-590934/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-590929/1-A
Matrix: Water
Analysis Batch: 593574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590929

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.008010	U	0.112	0.112	1.00	0.221	pCi/L	11/22/22 13:16	12/14/22 08:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*11/22/22 13:16*	*12/14/22 08:10*	*1*

Lab Sample ID: LCS 160-590929/2-A
Matrix: Water
Analysis Batch: 593574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590929

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.781		1.16	1.00	0.238	pCi/L	86	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.5*		*40 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-590934/1-A
Matrix: Water
Analysis Batch: 593164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590934

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4351	U	0.323	0.326	1.00	0.488	pCi/L	11/22/22 13:55	12/12/22 11:29	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*1*
Y Carrier	*75.5*		*40 - 110*	*11/22/22 13:55*	*12/12/22 11:29*	*1*

Lab Sample ID: LCS 160-590934/2-A
Matrix: Water
Analysis Batch: 593259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590934

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.37	11.69		1.54	1.00	0.516	pCi/L	140	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.5*		*40 - 110*
Y Carrier	*75.1*		*40 - 110*

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: Kaelyn Sperle	Lab PM: Mockler Diana J	Carrier Tracking No(s):	COC No: 500-106664-44025 1
Client Contact: Mitchel Dolan	Phone: 262-278-1621	E-Mail: Diana Mockler@et eurofinsus com	State of Origin: IL	Page: Page 1 of 1
Company: KPRG and Associates Inc	PWSID:			Job #: 500-225445

Address: 14665 West Lisbon Road Suite 1A	Due Date Requested: Standard	Analysis Requested
City: Brookfield	TAT Requested (days): Standard	
State Zip: WI 53005	Compliance Project: Δ Yes Δ No	
Phone: 262-781-0475(Tel)	PO #: 4502081030	
Email: mitcheld@kprginc com	WO #:	
Project Name: Powerton CCR	Project #: 50011612	
Site: Illinois	SSOW#:	

500-225445 COC

Preservation Codes

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

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 - Standard Target List	Ra226Ra228_GFPC - Local Method	904.0 - Standard Target List	6020A, 7470A	2540C 4500_F_C SM4500_Cl_E SM4500_SO4_E	Total Number of containers	Special Instructions/Note
				Preservation Code:				D	D	D	D	N		
1	MW-05	11/14/22	1331	G	Water	N	N	X	X	X	X	X		
2	MW-02	11/14/22	1426	G	Water	N	N	X	X	X	X	X		
3	MW-03	11/14/22	1515	G	Water	N	N	X	X	X	X	X		
4	MW-04	11/14/22	1625	G	Water	N	N	X	X	X	X	X		
					Water									
					Water									
					Water									
					Water									

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

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

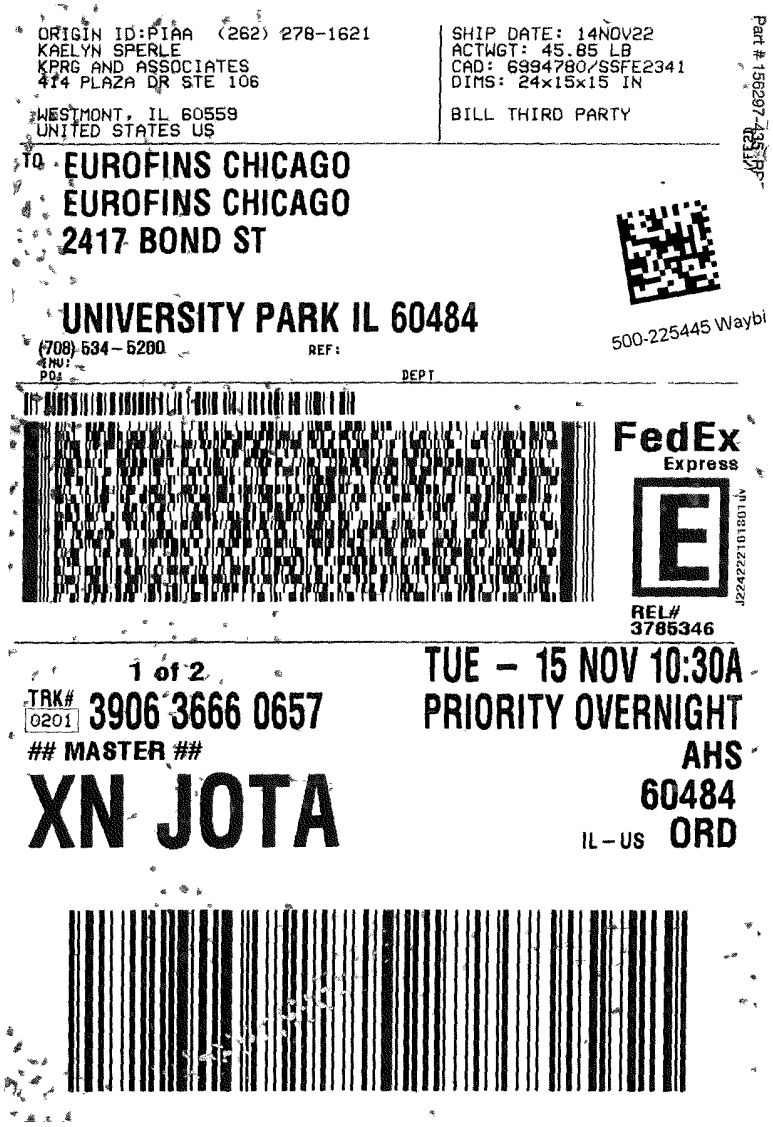
Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kaelyn Sperle	11/14/22/1830	KPRG	FedEx	11/14/22/1830	FedEx
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
					11/15/22 1000	ERT
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		1.0 -705



ORIGIN ID:PIAA (262) 278-1621
KAELYN SPERLE
KPRG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 14NOV22
ACTWGT: 45.85 LB
CAD: 6994780/SSFE2341
DIMS: 24x15x15 IN

BILL THIRD PARTY

TO EUROFINS CHICAGO
EUROFINS CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 534-6200 REF:

INV:
PO# DEPT

500-225445 Waybi

FedEx
Express

REL#
3785346

1 of 2

TRK# 0201 3906 3666 0657

TUE - 15 NOV 10:30A
PRIORITY OVERNIGHT

MASTER

XN JOTA

AHS
60484
IL-US ORD

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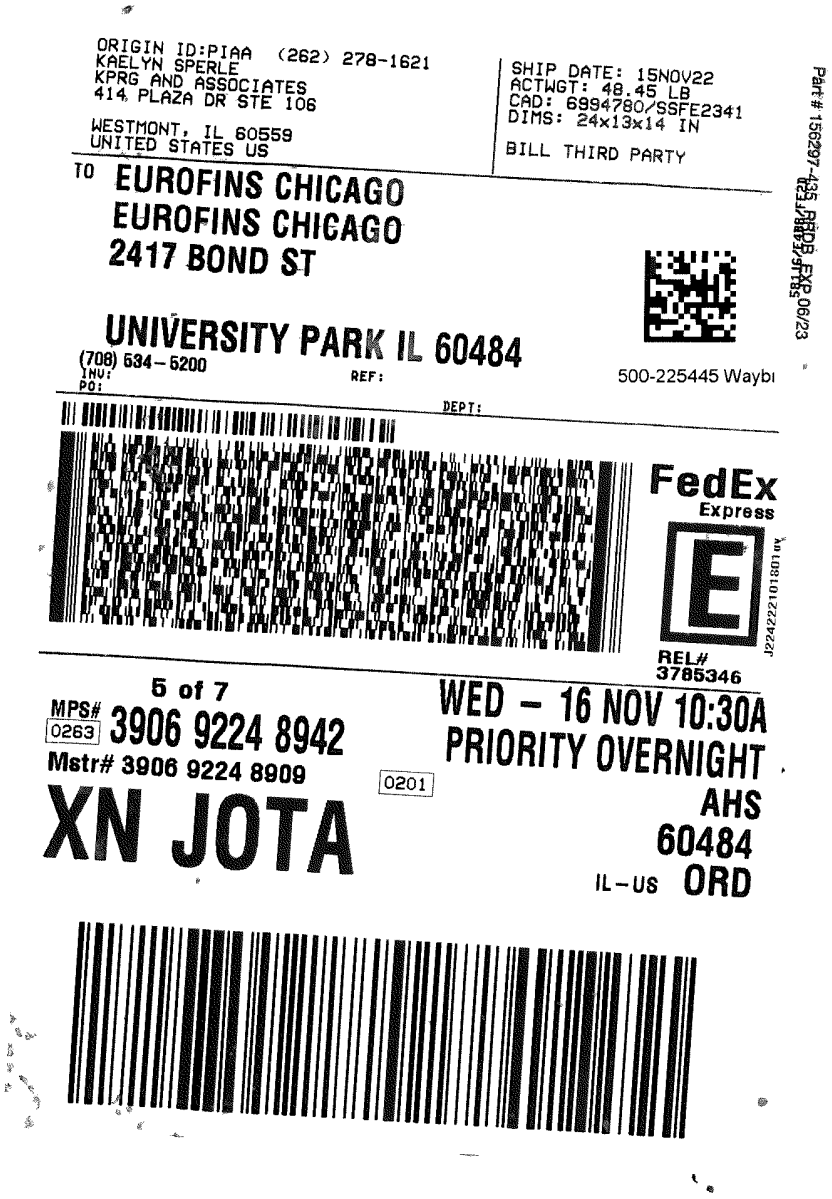
ORIGIN ID:PIAA (262) 278-1621
KAELYN SPERLE
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US
SHIP DATE: 15NOV22
ACTWGT: 48.45 LB
CAD: 6994780/SSFE2341
DIMS: 24x13x14 IN
BILL THIRD PARTY
TO EUROFINS CHICAGO
EUROFINS CHICAGO
2417 BOND ST
UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF:
DEPT:
500-225445 Waybi
FedEx
Express
REL#
3785346
5 of 7
MPS# 0263 3906 9224 8942
Mstr# 3906 9224 8909
0201
XN JOTA
WED - 16 NOV 10:30A
PRIORITY OVERNIGHT
AHS
60484
IL-US ORD
Part # 156207-495 FEDEX FXE 06/23

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 (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-167506.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-225445-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 12/7/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Powerton CCR	Project #: 50011612			
Site: MWG - Powerton	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-05 (500-225445-1)	11/14/22	13:31 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-02 (500-225445-2)	11/14/22	14:26 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-03 (500-225445-3)	11/14/22	15:15 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-04 (500-225445-4)	11/14/22	16:25 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no

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

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Melissa Carbajal	11/15/22 1600	EETA	FED EX		
Relinquished by: FED EX	Date/Time:	Company	Received by: Sierra Worthington	Date/Time: NOV 16 2022 0920	Company ETHSR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal 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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-167592.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-225445-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 12/19/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Powerton CCR	Project #: 50011612			
Site: MWG - Powerton	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-01 (500-225445-5)	11/15/22	09:56 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
MW-10 (500-225445-6)	11/15/22	11:21 Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no
Duplicate (500-225445-7)	11/15/22	Central		Water			X	X	X	3	Full QC needed (dups, etc) Batch QC must be performed (dup, spikes, etc) - no

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Melissa Carbajal	11/16/22 1600	FEDEX	FED EX		
2	FED EX			Sierra Worthington	NOV 17 2022 0910	EMSR
3						

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

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12/16/2022

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225445-2

Login Number: 225445
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5,-0.9 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225445-2

Login Number: 225445
List Number: 2
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 11/16/22 11:13 AM

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-225445-2

Login Number: 225445
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 11/17/22 10:33 AM

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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-225445-2

Client Sample ID: MW-05
Date Collected: 11/14/22 13:31
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593269	FLC	EET SL	12/12/22 11:44
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Client Sample ID: MW-02
Date Collected: 11/14/22 14:26
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593269	FLC	EET SL	12/12/22 11:43
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Client Sample ID: MW-03
Date Collected: 11/14/22 15:15
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593269	FLC	EET SL	12/12/22 11:43
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Client Sample ID: MW-04
Date Collected: 11/14/22 16:25
Date Received: 11/15/22 10:00

Lab Sample ID: 500-225445-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593269	FLC	EET SL	12/12/22 11:43
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Lab Chronicle

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

Job ID: 500-225445-2

Client Sample ID: MW-01

Date Collected: 11/15/22 09:56
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593164	FLC	EET SL	12/12/22 11:29
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Client Sample ID: MW-10

Date Collected: 11/15/22 11:21
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:16
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593164	FLC	EET SL	12/12/22 11:29
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

Client Sample ID: Duplicate

Date Collected: 11/15/22 00:00
Date Received: 11/16/22 10:30

Lab Sample ID: 500-225445-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			590929	DJP	EET SL	11/22/22 13:16
Total/NA	Analysis	903.0		1	593573	FLC	EET SL	12/14/22 08:17
Total/NA	Prep	PrecSep_0			590934	DJP	EET SL	11/22/22 13:55
Total/NA	Analysis	904.0		1	593164	FLC	EET SL	12/12/22 11:30
Total/NA	Analysis	Ra226_Ra228		1	593807	CLP	EET SL	12/15/22 17:35

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

Job ID: 500-225445-2

Laboratory: Eurofins St. Louis

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

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

Tracer/Carrier Summary

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

Job ID: 500-225445-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(40-110)
500-225445-1	MW-05	91.5
500-225445-2	MW-02	87.4
500-225445-3	MW-03	90.5
500-225445-4	MW-04	90.0
500-225445-5	MW-01	92.2
500-225445-6	MW-10	91.7
500-225445-7	Duplicate	94.4
LCS 160-590929/2-A	Lab Control Sample	90.5
MB 160-590929/1-A	Method Blank	95.4

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(40-110)	(40-110)
500-225445-1	MW-05	91.5	73.6
500-225445-2	MW-02	87.4	72.5
500-225445-3	MW-03	90.5	72.5
500-225445-4	MW-04	90.0	71.8
500-225445-5	MW-01	92.2	72.5
500-225445-6	MW-10	91.7	70.3
500-225445-7	Duplicate	94.4	78.9
LCS 160-590934/2-A	Lab Control Sample	90.5	75.1
MB 160-590934/1-A	Method Blank	95.4	75.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

PROJECT NAME	**NRG – POWERTON STATION #12313.1**		DATE	11/15/22
Sample Name	MW-01	Start Time	0941	
Condition of Well	good			
Water Level	29.58	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	Clear	
Volume Removed	4 qts	WL at Sample Time	29.59	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	Clear	
Sample Analysis	CCA, CCR ATB/ASB, CCR FAB	Sample Time	0956	
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)
0946	29.58	7.35	13.9	.827	6.85	-11.7	11.76
0949	–	7.23	14.1	.836	5.13	2.6	9.04
0952	–	7.16	14.2	.833	4.40	6.7	4.85
0955	29.59	7.15	14.1	.833	4.19	7.8	3.90

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates KLS

PROJECT NAME	**NRG – POWERTON STATION #12313.1**		DATE	11/14/22
Sample Name	MW-02	Start Time	1414	
Condition of Well	good			
Water Level	32.03	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	clear	
Volume Removed	4 qts	W L at Sample Time	32.16	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1426	
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)
1416	32.03	7.65	12.8	.741	9.96	91.9	28.59
1419	-	7.27	12.1	.730	5.23	100.8	29.81
1422	-	7.18	12.2	.730	2.96	104.3	29.78
1425	32.16	7.14	12.2	.729	2.13	104.4	29.35

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates KLS

PROJECT NAME	NRG – POWERTON STATION #12313.1		DATE	11/14/22
Sample Name	MW-03	Start Time	1503	
Condition of Well	good			
Water Level	33.51	Total Depth	–	
Well Diameter	PVC – 2 inch	Volume in Well	–	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	clear	
Volume Removed	2 gals	W L at Sample Time	33.51	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1515	
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)
1505	33.51	7.41	10.1	.631	12.48	95.0	6.22
1508	–	7.22	11.6	.640	6.70	100.0	4.91
1511	–	7.22	11.5	.642	5.99	99.8	3.48
1514	33.51	7.23	11.3	.643	5.33	99.6	4.03

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates KLS

PROJECT NAME	NRG – POWERTON STATION #12313.1		DATE	11/14/22
Sample Name	MW-04	Start Time	1614	
Condition of Well	good			
Water Level	32.80	Total Depth	–	
Well Diameter	PVC – 2 inch	Volume in Well	–	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	clear	
Volume Removed	4 gals	W L at Sample Time	32.80	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1625	
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)
1615	32.80	8.62	15.5	.839	7.48	112.1	5.32
1618	–	7.11	14.5	.872	7.00	116.0	3.15
1621	–	6.91	14.4	.871	6.95	113.5	19.10
1624	32.80	6.85	14.3	.869	6.93	113.1	20.70

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates KLS

PROJECT NAME	**NRG – POWERTON STATION #12313.1**		DATE	11/14/22
Sample Name	MW-05	Start Time	1317	
Condition of Well	good			
Water Level	28.44	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	clear	
Volume Removed	4.5 qts	W L at Sample Time	28.45	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	clear	
Sample Analysis	CCR FAB, CCA	Sample Time	1331	
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)
1321	28.44	6.55	14.3	.830	4.01	109.8	2.02
1324	—	6.71	14.0	.901	1.86	108.0	2.22
1327	—	6.83	14.1	.880	1.22	106.6	2.01
1330	28.45	6.87	14.0	.879	1.03	106.8	2.05
		—					

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates KLS

PROJECT NAME	NRG – POWERTON STATION #12313.1		DATE	11/15/22
Sample Name	MW-10	Start Time	1108	
Condition of Well	good			
Water Level	21.10	Total Depth	–	
Well Diameter	PVC – 2 inch	Volume in Well	–	
Method of Purge	Low-Flow Bladder Pump	Purge Characteristics	clear	
Volume Removed	8 qts	W L at Sample Time	21.10	
Method of Sample	Low-Flow Bladder Pump	Sample Characteristics	clear	
Sample Analysis	CCA, CCR FAB	Sample Time	1121	
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)
1111	21.10	7.32	11.0	.714	5.62	46.6	42.73
1114	–	7.11	11.0	.706	2.78	46.4	35.85
1117	–	7.06	11.1	.713	1.91	45.5	30.54
1120	21.10	7.03	11.1	.715	1.41	44.9	23.18

SAMPLING NOTES:

CCR FAB duplicate

Sampler Name and Company: KPRG and Associates KLS