

DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

Regulated Unit(s): Pond 2 S (IEPA ID No. W1978100011-03)
 Pond 3 S (IEPA ID No. W1978100011-04)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 4th quarter 2021 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. 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 Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
MW-05 up-gradient	11/11/2015	6.1	220	110	0.31	7.24	770	1,900	< 0.003	0.0014	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.0750	-0.168	0.031	< 0.002	
	2/18/2016	4.4	230	120	0.31	6.99	730	1,600	< 0.003	0.0021	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.079	0.468	0.019	< 0.002	
	5/26/2016	3.7	170	110	0.33	6.73	670	1,500	< 0.003	0.0023	0.055	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.077	< 0.402	0.019	< 0.002	
	8/10/2016	3.6	67	120	0.72	8.62	480	970	< 0.003	0.0044	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	F1 < 0.0002	0.14	< 0.394	0.0049	< 0.002	
	10/26/2016	3.6	44	120	0.70	9.08	410	920	< 0.003	0.0047	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.12	< 0.592	< 0.0025	< 0.002	
	2/1/2017	4.6	250	48	0.35	6.81	530	1,600	< 0.003	0.0015	0.058	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	^ < 0.0002	0.048	< 0.424	0.029	< 0.002	
	5/11/2017	4.0	140	85	0.31	7.86	610	1,200	< 0.003	0.0035	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.093	< 0.388	< 0.0025	< 0.002	
	6/27/2017	3.8	83	99	0.53	7.95	500	1,000	< 0.003	0.0037	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.412	< 0.0025	< 0.002	
	9/8/2017	4.8	89	78	0.52	9.40	490	1,000	< 0.003	0.0038	V 0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.095	0.486	0.0047	< 0.002	
	11/16/2017	4.8	180	52	0.45	6.70	650	1,500	< 0.003	0.0028	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.064	< 0.379	0.012	< 0.002	
	5/2/2018	3.6	200	32	0.39	7.23	510	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	4.9	150	55	0.48	7.07	430	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.1	61	91	0.59	9.10	380	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.9	170	31	0.41	6.95	440	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	4.5	52	70	0.59	7.39	300	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/4/2020	5.0	130	29	0.38	7.06	410	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/24/2021	4.7	120	28	0.53	7.07	430	1,000	< 0.003	0.0011	0.046	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.063	< 0.492	0.042	< 0.002	
	8/24/2021	4.6	33	45	0.74	9.42	410	580	< 0.003	0.0054	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.091	1.230	< 0.0025	< 0.002	
11/23/2021	5.5	140	22	0.44	6.80	370	1,100	< 0.003	0.0035	0.066	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.066	0.784	0.012	< 0.002		
MW-06 up-gradient	11/10/2015	3.0	52	100	0.55	6.60	300	660	< 0.003	0.0016	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0670	-0.383	0.039	< 0.002	
	2/18/2016	2.5	74	150	0.47	8.58	280	650	< 0.003	0.0014	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.0630	0.412	< 0.0025	< 0.002	
	5/26/2016	2.7	86	92	0.44	7.79	350	800	< 0.003	0.002	0.068	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.042	< 0.422	< 0.0025	< 0.002	
	8/11/2016	3.6	110	58	0.35	7.74	330	840	< 0.003	0.0029	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	< 0.339	< 0.0025	< 0.002	
	10/26/2016	3.8	86	74	0.40	8.16	220	800	< 0.003	0.003	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.043	< 0.531	< 0.0025	< 0.002	
	2/1/2017	3.4	70	83	0.41	7.88	260	700	< 0.003	0.0043	0.068	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	^ < 0.0002	0.05	< 0.511	0.0035	< 0.002	
	5/11/2017	3.0	75	84	0.28	8.68	330	570	< 0.003	0.002	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	0.011	< 0.0002	0.054	< 0.388	< 0.0025	< 0.002	
	6/27/2017	3.1	65	74	0.38	8.15	330	710	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.046	0.408	< 0.0025	< 0.002	
	9/7/2017	3.5	75	67	0.40	8.20	300	740	< 0.003	0.0025	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.044	0.397	< 0.0025	< 0.002	
	11/16/2017	3.9	88	54	0.39	7.59	280	810	< 0.003	0.0028	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	0.491	0.012	< 0.002	
	5/3/2018	3.0	91	52	0.26	6.91	530	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	7.47	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.5	93	44	0.31	7.83	240	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.3	120	38	0.21	7.51	350	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/3/2019 R	3.2	NA	NA	NA	8.28	NA	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.2	98	31	0.33	7.91	210	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	3.4	98	56	0.31	7.47	180	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.3	100	43	0.36	7.29	170	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5/24/2021	2.6	99	46	0.33	7.65	160	610	< 0.003	0.0025	0.08	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.017	< 0.576	< 0.0025	< 0.002		
8/24/2021	2.9	100	100	0.35	7.09	170	370	< 0.003	0.0029	0.093	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.018	< 0.468	< 0.0025	< 0.002		
11/23/2021	2.6	85	43	0.37	7.48	150	720	< 0.003	0.0020	0.070	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.017	1.02	< 0.0025	< 0.002		
MW-09 down-gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750	< 0.003	0.0047	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	-0.2208	< 0.0025	< 0.002	
	2/17/2016	1.8	47	160	0.55	9.10	250	600	< 0.003	0.0051	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	< 0.01	< 0.0002	0.089	< 0.373	< 0.0025	< 0.002	
	5/24/2016	1.6	48	180	0.51	8.79	240	640	< 0.003	0.0043	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00071	< 0.01	< 0.0002	0.079	0.508	< 0.0025	< 0.002	
	8/9/2016	2.2	53	140	0.48	8.35	280	750	< 0.003	0.0052	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	0.639	< 0.0025	< 0.002	
	10/26/2016	2.2	33	130	0.81	9.16	230	660	< 0.003	0.0069	0.019	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.11	0.608	< 0.0025	< 0.002	
	1/31/2017	2.0	61	250	0.57	8.59	180	710	< 0.003	0.0063	0.038	* < 0.001	< 0.0005	< 0.005	< 0.0010	0.0014	< 0.01	^ < 0.0002	0.09	< 0.45	< 0.0025	< 0.002	
	5/9/2017	1.8	66	340	0.38	8.58	250	900	< 0.003	0.0052	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00054	< 0.01	< 0.0002	0.093	< 0.361	< 0.0025	< 0.002	
	6/27/2017	1.9	64	330	0.51	7.76	240	940	< 0.003	0.0046	0.039	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.091	0.638	< 0.0025	< 0.002	
	9/6/2017	1.8	59	310	0.51	8.98	240	890	< 0.003	0.0047	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.1	0.454	< 0.0025	< 0.002	
	11/14/2017	2.6	160	270	0.51	8.1	290	910	< 0.003	0.0017	0.11	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.018	< 0.0002	0.026	< 0.372	0.0061	< 0.002	
	5/1/2018	1.7	49	200	0.52	7.81	430	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	2.1	49	170	0.55	8.09	270	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.5	48	280	0.29	8.90	150	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	2.0	38	140	0.46	8.65																	

Table 1. Groundwater Analytical Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium	
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	< 0.003	0.015	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.068	1.341	< 0.0025	< 0.002	
	2/16/2016	3.6	150	240	0.79	7.29	290	950	< 0.003	0.014	0.098	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.075	0.952	< 0.0025	< 0.002	
	5/25/2016	3.6	120	140	0.83	7.26	260	1,000	< 0.003	0.034	0.096	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00055	0.016	< 0.0002	0.065	0.51	< 0.0025	< 0.002	
	8/10/2016	4.3	150	120	0.78	7.22	230	970	< 0.003	0.017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.082	0.864	< 0.0025	< 0.002	
	10/26/2016	3.0	160	74	0.52	7.30	220	1,000	< 0.003	0.022	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.030	0.458	< 0.0025	< 0.002	
	2/2/2017	3.7	180	81	0.54	7.16	160	930	< 0.003	0.05	0.14	* < 0.001	< 0.0005	< 0.005	< 0.001	0.0013	0.02	^ < 0.0002	0.031	< 0.464	< 0.0025	< 0.002	
	5/10/2017	3.0	150	100	0.44	7.83	340	860	< 0.003	0.02	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.066	0.882	< 0.0025	< 0.002	
	6/27/2017	2.8	130	110	0.67	7.49	250	930	< 0.003	0.0072	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.080	0.953	< 0.0025	< 0.002	
	9/7/2017	2.8	120	120	0.77	7.37	290	920	< 0.003	0.0076	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	0.00058	0.096	0.921	< 0.0025	< 0.002	
	11/15/2017	4.1	140	120	0.77	7.10	270	1,000	< 0.003	0.015	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.071	0.893	< 0.0025	< 0.002	
	5/1/2018	3.2	150	130	0.65	7.31	280	990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	2.5	110	140	0.89	7.60	200	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.8	100	140	0.82	7.53	260	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	3.7	120	110	0.93	7.21	190	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/2020	2.3	100	170	0.90	7.29	280	850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.7	130	140	0.87	7.02	180	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.0	160	130	0.62	7.16	160	910	< 0.003	0.018	0.18	^1+ < 0.001	< 0.0005	< 0.005	0.0013	0.0054	0.02	< 0.0002	0.036	< 1.14	< 0.0025	< 0.002	
	8/26/2021	2.5	110	140	0.82	7.70	250	740	< 0.003	0.009	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	0.00073	0.017	< 0.0002	0.12	1.48	< 0.0025	< 0.002	
11/23/2021	2.7	110	130	0.71	7.07	230	990	< 0.003	0.012	0.091	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.0011	0.013	< 0.0002	0.048	2.22	< 0.0025	< 0.002		
MW-11 down-gradient	11/10/2015	2.6	120	89	0.61	7.60	620	< 0.003	0.007	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	0.00064	< 0.01	< 0.0002	0.0600	0.736	< 0.0025	< 0.002		
	2/16/2016	3.0	100	88	0.68	7.47	170	640	< 0.003	0.0059	0.11	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.078	1.14	< 0.0025	< 0.002	
	5/25/2016	2.8	82	98	0.75	7.43	170	640	< 0.003	0.0073	0.093	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.083	0.775	< 0.0025	< 0.002	
	8/10/2016	3.1	96	86	0.72	7.57	150	660	< 0.003	0.0072	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.087	0.807	< 0.0025	< 0.002	
	10/26/2016	2.5	110	67	0.53	7.82	120	630	< 0.003	0.0082	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	0.00052	< 0.01	< 0.0002	0.043	0.51	< 0.0025	< 0.002	
	2/1/2017	3.9	110	72	0.65	7.54	110	600	< 0.003	0.011	0.15	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.076	0.909	< 0.0025	< 0.002	
	5/10/2017	3.1	95	84	0.46	8.37	170	590	< 0.003	0.014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.074	1.03	< 0.0025	< 0.002	
	6/27/2017	2.8	87	90	0.59	7.57	150	680	< 0.003	0.0058	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.069	0.692	< 0.0025	< 0.002	
	9/7/2017	2.8	90	94	0.58	7.40	150	730	< 0.003	0.0074	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	0.676	< 0.0025	< 0.002	
	11/15/2017	2.9	96	100	0.65	7.41	160	750	< 0.003	0.0082	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.075	1.04	< 0.0025	< 0.002	
	5/3/2018	3.8	73	110	0.69	6.74	190	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.1	78	110	0.66	7.65	120	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.2	86	110	0.49	7.55	120	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.5	100	80	0.55	7.26	91	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	2.3	89	100	0.54	7.4	90	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	4.3	85	140	0.72	7.17	68	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.8	94	130	0.74	7.68	57	660	< 0.003	0.0067	0.16	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.077	1.29	< 0.0025	< 0.002	
	8/26/2021	1.9	110	150	0.39	7.73	100	710	< 0.003	0.0076	0.1	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.034	1.29	< 0.0025	< 0.002	
11/23/2021	2.0	130	150	0.48	6.94	94	810	< 0.003	0.0085	0.11	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.025	2.35	< 0.0025	< 0.002		
12/22/2021 R	NA	NA	150	NA	7.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-12 down-gradient	11/10/2015	2.3	150	160	0.59	7.44	290	1,000	< 0.003	0.0016	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.034	0.8139	< 0.0025	< 0.002	
	2/16/2016	1.8	130	140	0.52	7.38	220	850	< 0.003	0.0013	0.084	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.031	< 0.407	< 0.0025	< 0.002	
	5/25/2016	1.9	130	150	0.54	7.23	250	890	< 0.003	0.0013	0.12	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00063	0.014	< 0.0002	0.03	0.41	0.0026	< 0.002	
	8/10/2016	2.4	170	140	0.49	7.20	280	1000	< 0.003	0.0017	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.017	< 0.0002	0.04	< 0.426	0.0077	< 0.002	
	10/26/2016	2.6	140	120	0.49	7.44	220	980	< 0.003	0.0016	0.11	< 0.001	< 0.0005	0.025	< 0.001	< 0.0005	0.013	< 0.0002	0.036	< 0.664	< 0.0025	< 0.002	
	2/1/2017	2.0	160	120	0.48	7.30	150	900	< 0.003	0.0017	0.11	* < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	0.013	< 0.0002	0.023	0.949	< 0.0025	< 0.002	
	5/10/2017	2.3	200	240	0.30	7.65	260	1,300	< 0.003	0.0013	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.029	< 0.464	0.017	< 0.002	
	6/27/2017	2.4	180	280	0.44	7.31	260	1,300	< 0.003	0.0014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.03	0.455	0.0032	< 0.002	
	9/6/2017	2.6	190	270	0.49	7.26	260	1,400	< 0.003	0.0017	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.032	< 0.317	0.0043	< 0.002	
	11/15/2017	1.7	55	200	0.47	6.90	250	1,200	< 0.003	0.0054	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	< 0.434	< 0.0025	< 0.002	
	5/3/2018	1.8	140	170	0.47	6.60	170	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	F1	2.2	150	160	0.49	7.30	170	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.9	140	140	0.42	7.23	190	930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.1	140	71	0.53	7.02	110	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	1.9	180	120	0.4	6.95	140	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.2	160	190	0.52	7.27	160	1,000	NA	NA	NA	NA											

Table 2. Groundwater Turbidity - Ponds 2S and 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
	9/24/2021	3.59
MW-06	11/23/2021	4.45
	2/23/2021	0.31
	4/10/2021	11.17
	4/25/2021	15.04
	5/24/2021	5.18
	6/11/2021	2.96
	6/29/2021	4.06
	7/12/2021	6.43
	8/4/2021	3.5
	8/24/2021	7.0
MW-09	9/24/2021	4.2
	11/23/2021	6.38
	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0.0
MW-10	8/25/2021	19.9
	9/24/2021	3.67
	11/23/2021	19.07
	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	23.45
MW-11	8/4/2021	47.68
	8/26/2021	27.5
	9/24/2021	542
	11/23/2021	312.05
	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
MW-12	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
	11/23/2021	1.85
	4/10/2021	31.67
	4/25/2021	15.04
	5/25/2021	28.65
	6/11/2021	6.1
	6/29/2021	13.04
	7/12/2021	12.99

ANALYTICAL REPORT

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

Laboratory Job ID: 500-208740-1
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:
12/16/2021 12:22:47 PM

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

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

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



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Case Narrative

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

Job ID: 500-208740-1

Job ID: 500-208740-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-208740-1**

Comments

No additional comments.

Receipt

The samples were received on 11/19/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.5° C, 1.8° C, 1.9° C, 3.4° C, 3.6° C, 4.8° C and 5.4° C.

Metals

Method 6020A: The initial low level continuing calibration verification (ICVL) associated with batch 500-633145 recovered above the upper control limit for Beryllium. The samples associated with this ICVL were non-detects for the affected analyte; therefore, the data have been reported.

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

General Chemistry

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



Method Summary

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

Job ID: 500-208740-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 Cl- E	Chloride, Total	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 SO4 E	Sulfate, Total	SM	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI

Protocol References:

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

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

Laboratory References:

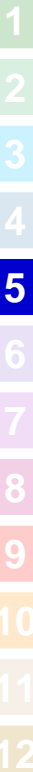
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

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

Job ID: 500-208740-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-208740-1	MW-01	Water	11/19/21 11:28	11/19/21 15:30
500-208740-2	MW-02	Water	11/19/21 12:15	11/19/21 15:30
500-208740-3	MW-03	Water	11/19/21 13:06	11/19/21 15:30
500-208740-4	MW-04	Water	11/19/21 13:58	11/19/21 15:30
500-208740-5	MW-07	Water	11/19/21 12:45	11/19/21 15:30
500-208740-6	MW-08	Water	11/19/21 11:40	11/19/21 15:30
500-208740-7	MW-14	Water	11/19/21 13:28	11/19/21 15:30
500-208740-8	MW-15	Water	11/19/21 12:15	11/19/21 15:30
500-208740-9	MW-05	Water	11/23/21 11:40	11/24/21 13:40
500-208740-10	MW-06	Water	11/23/21 13:21	11/24/21 13:40
500-208740-11	MW-09	Water	11/23/21 12:30	11/24/21 13:40
500-208740-12	MW-10	Water	11/23/21 13:26	11/24/21 13:40
500-208740-13	MW-11	Water	11/23/21 12:14	11/24/21 13:40
500-208740-14	MW-12	Water	11/23/21 14:20	11/24/21 13:40
500-208740-15	MW-13	Water	11/23/21 11:35	11/24/21 13:40
500-208740-16	DUPLICATE	Water	11/23/21 00:00	11/24/21 13:40



Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-01

Lab Sample ID: 500-208740-1

Date Collected: 11/19/21 11:28

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.038		0.010		mg/L		12/09/21 07:20	12/15/21 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:03	1
Arsenic	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Barium	0.090		0.0025		mg/L		12/09/21 07:20	12/09/21 16:03	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Boron	2.0		0.25		mg/L		12/09/21 07:20	12/10/21 11:49	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 16:03	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:03	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Molybdenum	0.0098		0.0050		mg/L		12/09/21 07:20	12/09/21 16:03	1
Selenium	0.017		0.0025		mg/L		12/09/21 07:20	12/09/21 16:03	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	970		10		mg/L			11/23/21 08:16	1
Chloride	29		2.0		mg/L			11/22/21 16:40	1
Fluoride	0.56		0.10		mg/L			12/10/21 14:29	1
Sulfate	260		50		mg/L			11/22/21 18:07	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-02

Lab Sample ID: 500-208740-2

Date Collected: 11/19/21 12:15

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.041		0.010		mg/L		12/09/21 07:20	12/15/21 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:20	1
Arsenic	0.014		0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Barium	0.057		0.0025		mg/L		12/09/21 07:20	12/09/21 16:20	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Boron	5.2		1.0		mg/L		12/09/21 07:20	12/10/21 12:07	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Calcium	86		0.20		mg/L		12/09/21 07:20	12/09/21 16:20	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:20	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Molybdenum	0.068		0.0050		mg/L		12/09/21 07:20	12/09/21 16:20	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 16:20	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			11/23/21 08:19	1
Chloride	27		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.38		0.10		mg/L			12/10/21 14:32	1
Sulfate	520		100		mg/L			11/22/21 18:09	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-03

Lab Sample ID: 500-208740-3

Date Collected: 11/19/21 13:06

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.039		0.010		mg/L		12/09/21 07:20	12/15/21 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:23	1
Arsenic	0.0016		0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Barium	0.12		0.0025		mg/L		12/09/21 07:20	12/09/21 16:23	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Boron	3.7		0.50		mg/L		12/09/21 07:20	12/10/21 12:10	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Calcium	160		0.20		mg/L		12/09/21 07:20	12/09/21 16:23	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 16:23	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Molybdenum	0.025		0.0050		mg/L		12/09/21 07:20	12/09/21 16:23	1
Selenium	0.0082		0.0025		mg/L		12/09/21 07:20	12/09/21 16:23	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	970		10		mg/L			11/23/21 08:21	1
Chloride	27		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.32		0.10		mg/L			12/10/21 14:35	1
Sulfate	330		50		mg/L			11/22/21 18:09	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-04

Lab Sample ID: 500-208740-4

Date Collected: 11/19/21 13:58

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.022		0.010		mg/L		12/09/21 07:20	12/15/21 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 16:27	1
Arsenic	0.0063		0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Barium	0.044		0.0025		mg/L		12/09/21 07:20	12/09/21 16:27	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Boron	6.1		1.0		mg/L		12/09/21 07:20	12/10/21 12:14	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Calcium	300		4.0		mg/L		12/09/21 07:20	12/10/21 12:14	20
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Cobalt	0.0022		0.0010		mg/L		12/09/21 07:20	12/09/21 16:27	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Molybdenum	0.023		0.0050		mg/L		12/09/21 07:20	12/09/21 16:27	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 16:27	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 16:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			11/23/21 08:24	1
Chloride	23		2.0		mg/L			11/22/21 16:41	1
Fluoride	0.36		0.10		mg/L			12/10/21 14:38	1
Sulfate	840		250		mg/L			11/22/21 18:09	50

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-07

Lab Sample ID: 500-208740-5

Date Collected: 11/19/21 12:45

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.010		mg/L		12/09/21 07:20	12/15/21 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:33	1
Arsenic	0.0065		0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Barium	0.048		0.0025		mg/L		12/09/21 07:20	12/09/21 17:33	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Boron	3.9		0.50		mg/L		12/09/21 07:20	12/10/21 12:24	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 17:33	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:33	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Molybdenum	0.033		0.0050		mg/L		12/09/21 07:20	12/09/21 17:33	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:33	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1800		10		mg/L			11/23/21 08:26	1
Chloride	190		10		mg/L			11/22/21 16:42	5
Fluoride	0.48		0.10		mg/L			12/10/21 14:52	1
Sulfate	680		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-08

Lab Sample ID: 500-208740-6

Date Collected: 11/19/21 11:40

Matrix: Water

Date Received: 11/19/21 15:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		12/09/21 07:20	12/15/21 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:36	1
Arsenic	0.0094		0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Barium	0.065		0.0025		mg/L		12/09/21 07:20	12/09/21 17:36	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Boron	3.3		0.50		mg/L		12/09/21 07:20	12/10/21 12:27	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Calcium	200		0.20		mg/L		12/09/21 07:20	12/09/21 17:36	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Cobalt	0.0014		0.0010		mg/L		12/09/21 07:20	12/09/21 17:36	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Molybdenum	0.043		0.0050		mg/L		12/09/21 07:20	12/09/21 17:36	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:36	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			11/23/21 08:29	1
Chloride	310		20		mg/L			11/22/21 16:42	10
Fluoride	0.50		0.10		mg/L			12/10/21 14:55	1
Sulfate	630		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-14
Date Collected: 11/19/21 13:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-7
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.020		0.010		mg/L		12/09/21 07:20	12/15/21 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:39	1
Arsenic	0.0023		0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Barium	0.051		0.0025		mg/L		12/09/21 07:20	12/09/21 17:39	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Boron	3.0		0.50		mg/L		12/09/21 07:20	12/10/21 12:31	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Calcium	81		0.20		mg/L		12/09/21 07:20	12/09/21 17:39	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:39	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Molybdenum	0.049		0.0050		mg/L		12/09/21 07:20	12/09/21 17:39	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:39	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1000		10		mg/L			11/23/21 08:31	1
Chloride	120		10		mg/L			11/22/21 16:42	5
Fluoride	0.60		0.10		mg/L			12/10/21 14:58	1
Sulfate	460		100		mg/L			11/22/21 18:10	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.015		0.010		mg/L		12/09/21 07:20	12/15/21 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:43	1
Arsenic	0.0036		0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Barium	0.084		0.0025		mg/L		12/09/21 07:20	12/09/21 17:43	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Boron	2.9		0.50		mg/L		12/09/21 07:20	12/10/21 12:34	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Calcium	140		0.20		mg/L		12/09/21 07:20	12/09/21 17:43	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:43	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Molybdenum	0.021		0.0050		mg/L		12/09/21 07:20	12/09/21 17:43	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:43	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			11/23/21 08:34	1
Chloride	120		10		mg/L			11/22/21 16:43	5
Fluoride	0.46		0.10		mg/L			12/10/21 15:01	1
Sulfate	570		100		mg/L			11/22/21 18:11	20

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-05

Lab Sample ID: 500-208740-9

Date Collected: 11/23/21 11:40

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		12/09/21 07:20	12/15/21 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:46	1
Arsenic	0.0035		0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Barium	0.066		0.0025		mg/L		12/09/21 07:20	12/09/21 17:46	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Boron	5.5		1.0		mg/L		12/09/21 07:20	12/10/21 12:38	20
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Calcium	140		0.20		mg/L		12/09/21 07:20	12/09/21 17:46	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:46	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Molybdenum	0.066		0.0050		mg/L		12/09/21 07:20	12/09/21 17:46	1
Selenium	0.012		0.0025		mg/L		12/09/21 07:20	12/09/21 17:46	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			11/27/21 18:40	1
Chloride	22		2.0		mg/L			12/01/21 13:41	1
Fluoride	0.44		0.10		mg/L			12/10/21 15:16	1
Sulfate	370		50		mg/L			12/01/21 14:17	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-06

Lab Sample ID: 500-208740-10

Date Collected: 11/23/21 13:21

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		12/09/21 07:20	12/15/21 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:50	1
Arsenic	0.0020		0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Barium	0.070		0.0025		mg/L		12/09/21 07:20	12/09/21 17:50	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Boron	2.6		0.50		mg/L		12/09/21 07:20	12/10/21 12:41	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Calcium	85		0.20		mg/L		12/09/21 07:20	12/09/21 17:50	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:50	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Molybdenum	0.017		0.0050		mg/L		12/09/21 07:20	12/09/21 17:50	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:50	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	720		10		mg/L			11/27/21 18:42	1
Chloride	43		6.0		mg/L			12/01/21 12:47	3
Fluoride	0.37		0.10		mg/L			12/10/21 15:26	1
Sulfate	150		25		mg/L			12/01/21 14:18	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-09

Lab Sample ID: 500-208740-11

Date Collected: 11/23/21 12:30

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:53	1
Arsenic	0.0046		0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Barium	0.024		0.0025		mg/L		12/09/21 07:20	12/09/21 17:53	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Boron	1.1		0.25		mg/L		12/09/21 07:20	12/10/21 12:45	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Calcium	30		0.20		mg/L		12/09/21 07:20	12/09/21 17:53	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:53	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Molybdenum	0.037		0.0050		mg/L		12/09/21 07:20	12/09/21 17:53	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:53	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	900		10		mg/L			11/27/21 18:45	1
Chloride	290		20		mg/L			12/01/21 12:48	10
Fluoride	0.47		0.10		mg/L			12/10/21 15:39	1
Sulfate	210		25		mg/L			12/01/21 14:18	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-10

Lab Sample ID: 500-208740-12

Date Collected: 11/23/21 13:26

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		12/09/21 07:20	12/15/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 17:57	1
Arsenic	0.012		0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Barium	0.091		0.0025		mg/L		12/09/21 07:20	12/09/21 17:57	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Boron	2.7		0.50		mg/L		12/09/21 07:20	12/10/21 12:48	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Calcium	110		0.20		mg/L		12/09/21 07:20	12/09/21 17:57	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 17:57	1
Lead	0.0011		0.00050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Molybdenum	0.048		0.0050		mg/L		12/09/21 07:20	12/09/21 17:57	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 17:57	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 17:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	990		10		mg/L			11/27/21 18:47	1
Chloride	130		10		mg/L			12/01/21 12:48	5
Fluoride	0.71		0.10		mg/L			12/10/21 15:43	1
Sulfate	230		50		mg/L			12/01/21 14:19	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-11

Lab Sample ID: 500-208740-13

Date Collected: 11/23/21 12:14

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:00	1
Arsenic	0.0085		0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Barium	0.11		0.0025		mg/L		12/09/21 07:20	12/09/21 18:00	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Boron	2.0		0.25		mg/L		12/09/21 07:20	12/10/21 12:52	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Calcium	130		0.20		mg/L		12/09/21 07:20	12/09/21 18:00	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:00	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Molybdenum	0.025		0.0050		mg/L		12/09/21 07:20	12/09/21 18:00	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 18:00	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	810		10		mg/L			11/27/21 18:50	1
Chloride	150		10		mg/L			12/01/21 12:49	5
Fluoride	0.48		0.10		mg/L			12/10/21 15:46	1
Sulfate	94		25		mg/L			12/01/21 14:19	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-12

Lab Sample ID: 500-208740-14

Date Collected: 11/23/21 14:20

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		12/09/21 07:20	12/15/21 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:03	1
Arsenic	0.0020		0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Barium	0.15		0.0025		mg/L		12/09/21 07:20	12/09/21 18:03	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Boron	2.3		0.50		mg/L		12/09/21 07:20	12/10/21 12:55	10
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Calcium	180		0.20		mg/L		12/09/21 07:20	12/09/21 18:03	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:03	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Molybdenum	0.022		0.0050		mg/L		12/09/21 07:20	12/09/21 18:03	1
Selenium	0.0055		0.0025		mg/L		12/09/21 07:20	12/09/21 18:03	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			11/27/21 18:53	1
Chloride	210		10		mg/L			12/01/21 12:50	5
Fluoride	0.44		0.10		mg/L			12/10/21 15:49	1
Sulfate	180		25		mg/L			12/01/21 14:21	5

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: MW-13

Lab Sample ID: 500-208740-15

Date Collected: 11/23/21 11:35

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:14	1
Arsenic	0.0011		0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Barium	0.11		0.0025		mg/L		12/09/21 07:20	12/09/21 18:14	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Boron	1.8		0.25		mg/L		12/09/21 07:20	12/10/21 13:05	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Calcium	170		0.20		mg/L		12/09/21 07:20	12/09/21 18:14	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:14	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Molybdenum	0.012		0.0050		mg/L		12/09/21 07:20	12/09/21 18:14	1
Selenium	0.0082		0.0025		mg/L		12/09/21 07:20	12/09/21 18:14	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			11/27/21 18:55	1
Chloride	230		20		mg/L			12/01/21 12:50	10
Fluoride	0.33		0.10		mg/L			12/10/21 15:52	1
Sulfate	300		50		mg/L			12/01/21 14:21	10

Client Sample Results

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

Job ID: 500-208740-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 18:17	1
Arsenic	0.0081		0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Barium	0.043		0.0025		mg/L		12/09/21 07:20	12/09/21 18:17	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Boron	2.1		0.25		mg/L		12/09/21 07:20	12/10/21 13:09	5
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Calcium	52		0.20		mg/L		12/09/21 07:20	12/09/21 18:17	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 18:17	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Molybdenum	0.068		0.0050		mg/L		12/09/21 07:20	12/09/21 18:17	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 18:17	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 18:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	930		10		mg/L			11/27/21 18:58	1
Chloride	290		20		mg/L			12/01/21 12:51	10
Fluoride	0.46		0.10		mg/L			12/10/21 15:55	1
Sulfate	210		50		mg/L			12/01/21 14:21	10

Definitions/Glossary

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

Job ID: 500-208740-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

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

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: Will County CCR

Job ID: 500-208740-1

Metals

Prep Batch: 632002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	7470A	
500-208740-2	MW-02	Total/NA	Water	7470A	
500-208740-3	MW-03	Total/NA	Water	7470A	
500-208740-4	MW-04	Total/NA	Water	7470A	
500-208740-5	MW-07	Total/NA	Water	7470A	
500-208740-6	MW-08	Total/NA	Water	7470A	
500-208740-7	MW-14	Total/NA	Water	7470A	
500-208740-8	MW-15	Total/NA	Water	7470A	
500-208740-9	MW-05	Total/NA	Water	7470A	
500-208740-10	MW-06	Total/NA	Water	7470A	
500-208740-11	MW-09	Total/NA	Water	7470A	
500-208740-12	MW-10	Total/NA	Water	7470A	
500-208740-13	MW-11	Total/NA	Water	7470A	
500-208740-14	MW-12	Total/NA	Water	7470A	
500-208740-15	MW-13	Total/NA	Water	7470A	
500-208740-16	DUPLICATE	Total/NA	Water	7470A	
MB 500-632002/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-632002/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-208740-9 MS	MW-05	Total/NA	Water	7470A	
500-208740-9 MSD	MW-05	Total/NA	Water	7470A	
500-208740-9 DU	MW-05	Total/NA	Water	7470A	

Analysis Batch: 632273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	7470A	632002
500-208740-2	MW-02	Total/NA	Water	7470A	632002
500-208740-3	MW-03	Total/NA	Water	7470A	632002
500-208740-4	MW-04	Total/NA	Water	7470A	632002
500-208740-5	MW-07	Total/NA	Water	7470A	632002
500-208740-6	MW-08	Total/NA	Water	7470A	632002
500-208740-7	MW-14	Total/NA	Water	7470A	632002
500-208740-8	MW-15	Total/NA	Water	7470A	632002
500-208740-9	MW-05	Total/NA	Water	7470A	632002
500-208740-10	MW-06	Total/NA	Water	7470A	632002
500-208740-11	MW-09	Total/NA	Water	7470A	632002
500-208740-12	MW-10	Total/NA	Water	7470A	632002
500-208740-13	MW-11	Total/NA	Water	7470A	632002
500-208740-14	MW-12	Total/NA	Water	7470A	632002
500-208740-15	MW-13	Total/NA	Water	7470A	632002
500-208740-16	DUPLICATE	Total/NA	Water	7470A	632002
MB 500-632002/12-A	Method Blank	Total/NA	Water	7470A	632002
LCS 500-632002/13-A	Lab Control Sample	Total/NA	Water	7470A	632002
500-208740-9 MS	MW-05	Total/NA	Water	7470A	632002
500-208740-9 MSD	MW-05	Total/NA	Water	7470A	632002
500-208740-9 DU	MW-05	Total/NA	Water	7470A	632002

Prep Batch: 632817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	3005A	
500-208740-2	MW-02	Total Recoverable	Water	3005A	
500-208740-3	MW-03	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-208740-1

Metals (Continued)

Prep Batch: 632817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-4	MW-04	Total Recoverable	Water	3005A	
500-208740-5	MW-07	Total Recoverable	Water	3005A	
500-208740-6	MW-08	Total Recoverable	Water	3005A	
500-208740-7	MW-14	Total Recoverable	Water	3005A	
500-208740-8	MW-15	Total Recoverable	Water	3005A	
500-208740-9	MW-05	Total Recoverable	Water	3005A	
500-208740-10	MW-06	Total Recoverable	Water	3005A	
500-208740-11	MW-09	Total Recoverable	Water	3005A	
500-208740-12	MW-10	Total Recoverable	Water	3005A	
500-208740-13	MW-11	Total Recoverable	Water	3005A	
500-208740-14	MW-12	Total Recoverable	Water	3005A	
500-208740-15	MW-13	Total Recoverable	Water	3005A	
500-208740-16	DUPLICATE	Total Recoverable	Water	3005A	
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-208740-1 MS	MW-01	Total Recoverable	Water	3005A	
500-208740-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-208740-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 633145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6020A	632817
500-208740-2	MW-02	Total Recoverable	Water	6020A	632817
500-208740-3	MW-03	Total Recoverable	Water	6020A	632817
500-208740-4	MW-04	Total Recoverable	Water	6020A	632817
500-208740-5	MW-07	Total Recoverable	Water	6020A	632817
500-208740-6	MW-08	Total Recoverable	Water	6020A	632817
500-208740-7	MW-14	Total Recoverable	Water	6020A	632817
500-208740-8	MW-15	Total Recoverable	Water	6020A	632817
500-208740-9	MW-05	Total Recoverable	Water	6020A	632817
500-208740-10	MW-06	Total Recoverable	Water	6020A	632817
500-208740-11	MW-09	Total Recoverable	Water	6020A	632817
500-208740-12	MW-10	Total Recoverable	Water	6020A	632817
500-208740-13	MW-11	Total Recoverable	Water	6020A	632817
500-208740-14	MW-12	Total Recoverable	Water	6020A	632817
500-208740-15	MW-13	Total Recoverable	Water	6020A	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6020A	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6020A	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6020A	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6020A	632817

Analysis Batch: 633191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6020A	632817
500-208740-2	MW-02	Total Recoverable	Water	6020A	632817
500-208740-3	MW-03	Total Recoverable	Water	6020A	632817
500-208740-4	MW-04	Total Recoverable	Water	6020A	632817
500-208740-5	MW-07	Total Recoverable	Water	6020A	632817
500-208740-6	MW-08	Total Recoverable	Water	6020A	632817

Eurofins TestAmerica, Chicago

QC Association Summary

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

Job ID: 500-208740-1

Metals (Continued)

Analysis Batch: 633191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-7	MW-14	Total Recoverable	Water	6020A	632817
500-208740-8	MW-15	Total Recoverable	Water	6020A	632817
500-208740-9	MW-05	Total Recoverable	Water	6020A	632817
500-208740-10	MW-06	Total Recoverable	Water	6020A	632817
500-208740-11	MW-09	Total Recoverable	Water	6020A	632817
500-208740-12	MW-10	Total Recoverable	Water	6020A	632817
500-208740-13	MW-11	Total Recoverable	Water	6020A	632817
500-208740-14	MW-12	Total Recoverable	Water	6020A	632817
500-208740-15	MW-13	Total Recoverable	Water	6020A	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6020A	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6020A	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6020A	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6020A	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6020A	632817

Analysis Batch: 633995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total Recoverable	Water	6010C	632817
500-208740-2	MW-02	Total Recoverable	Water	6010C	632817
500-208740-3	MW-03	Total Recoverable	Water	6010C	632817
500-208740-4	MW-04	Total Recoverable	Water	6010C	632817
500-208740-5	MW-07	Total Recoverable	Water	6010C	632817
500-208740-6	MW-08	Total Recoverable	Water	6010C	632817
500-208740-7	MW-14	Total Recoverable	Water	6010C	632817
500-208740-8	MW-15	Total Recoverable	Water	6010C	632817
500-208740-9	MW-05	Total Recoverable	Water	6010C	632817
500-208740-10	MW-06	Total Recoverable	Water	6010C	632817
500-208740-11	MW-09	Total Recoverable	Water	6010C	632817
500-208740-12	MW-10	Total Recoverable	Water	6010C	632817
500-208740-13	MW-11	Total Recoverable	Water	6010C	632817
500-208740-14	MW-12	Total Recoverable	Water	6010C	632817
500-208740-15	MW-13	Total Recoverable	Water	6010C	632817
500-208740-16	DUPLICATE	Total Recoverable	Water	6010C	632817
MB 500-632817/1-A	Method Blank	Total Recoverable	Water	6010C	632817
LCS 500-632817/2-A	Lab Control Sample	Total Recoverable	Water	6010C	632817
500-208740-1 MS	MW-01	Total Recoverable	Water	6010C	632817
500-208740-1 MSD	MW-01	Total Recoverable	Water	6010C	632817
500-208740-1 DU	MW-01	Total Recoverable	Water	6010C	632817

General Chemistry

Analysis Batch: 630462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 2540C	
500-208740-2	MW-02	Total/NA	Water	SM 2540C	
500-208740-3	MW-03	Total/NA	Water	SM 2540C	
500-208740-4	MW-04	Total/NA	Water	SM 2540C	
500-208740-5	MW-07	Total/NA	Water	SM 2540C	
500-208740-6	MW-08	Total/NA	Water	SM 2540C	
500-208740-7	MW-14	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-208740-1

General Chemistry (Continued)

Analysis Batch: 630462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-8	MW-15	Total/NA	Water	SM 2540C	
MB 500-630462/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-630462/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 630527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-208740-2	MW-02	Total/NA	Water	SM 4500 CI- E	
500-208740-3	MW-03	Total/NA	Water	SM 4500 CI- E	
500-208740-4	MW-04	Total/NA	Water	SM 4500 CI- E	
500-208740-5	MW-07	Total/NA	Water	SM 4500 CI- E	
500-208740-6	MW-08	Total/NA	Water	SM 4500 CI- E	
500-208740-7	MW-14	Total/NA	Water	SM 4500 CI- E	
500-208740-8	MW-15	Total/NA	Water	SM 4500 CI- E	
MB 500-630527/91	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-630527/92	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-208740-1 MS	MW-01	Total/NA	Water	SM 4500 CI- E	
500-208740-1 MSD	MW-01	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 630528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-208740-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-208740-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-208740-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-208740-5	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-208740-6	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-208740-7	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-208740-8	MW-15	Total/NA	Water	SM 4500 SO4 E	
MB 500-630528/44	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-630528/45	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-208740-1 MS	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-208740-1 MSD	MW-01	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 631038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 2540C	
500-208740-10	MW-06	Total/NA	Water	SM 2540C	
500-208740-11	MW-09	Total/NA	Water	SM 2540C	
500-208740-12	MW-10	Total/NA	Water	SM 2540C	
500-208740-13	MW-11	Total/NA	Water	SM 2540C	
500-208740-14	MW-12	Total/NA	Water	SM 2540C	
500-208740-15	MW-13	Total/NA	Water	SM 2540C	
500-208740-16	DUPLICATE	Total/NA	Water	SM 2540C	
MB 500-631038/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-631038/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 631704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 4500 CI- E	
500-208740-10	MW-06	Total/NA	Water	SM 4500 CI- E	

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QC Association Summary

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

Job ID: 500-208740-1

General Chemistry (Continued)

Analysis Batch: 631704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-11	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-208740-12	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-208740-13	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-208740-14	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-208740-15	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 Cl- E	
MB 500-631704/84	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-631704/85	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-208740-13 MS	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-208740-13 MSD	MW-11	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 631705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-208740-10	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-208740-11	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-208740-12	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-208740-13	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-208740-14	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-208740-15	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 SO4 E	
MB 500-631705/38	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-631705/42	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-208740-13 MS	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-208740-13 MSD	MW-11	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 633232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	SM 4500 F C	
500-208740-2	MW-02	Total/NA	Water	SM 4500 F C	
500-208740-3	MW-03	Total/NA	Water	SM 4500 F C	
500-208740-4	MW-04	Total/NA	Water	SM 4500 F C	
500-208740-5	MW-07	Total/NA	Water	SM 4500 F C	
500-208740-6	MW-08	Total/NA	Water	SM 4500 F C	
500-208740-7	MW-14	Total/NA	Water	SM 4500 F C	
500-208740-8	MW-15	Total/NA	Water	SM 4500 F C	
500-208740-9	MW-05	Total/NA	Water	SM 4500 F C	
500-208740-10	MW-06	Total/NA	Water	SM 4500 F C	
500-208740-11	MW-09	Total/NA	Water	SM 4500 F C	
500-208740-12	MW-10	Total/NA	Water	SM 4500 F C	
500-208740-13	MW-11	Total/NA	Water	SM 4500 F C	
500-208740-14	MW-12	Total/NA	Water	SM 4500 F C	
500-208740-15	MW-13	Total/NA	Water	SM 4500 F C	
500-208740-16	DUPLICATE	Total/NA	Water	SM 4500 F C	
MB 500-633232/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-633232/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-633232/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-633232/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-208740-9 MS	MW-05	Total/NA	Water	SM 4500 F C	
500-208740-9 MSD	MW-05	Total/NA	Water	SM 4500 F C	

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QC Sample Results

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

Job ID: 500-208740-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633995

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		12/09/21 07:20	12/15/21 16:46	1

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633995

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.500	0.505		mg/L		101	80 - 120

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lithium	0.038		0.500	0.555		mg/L		103	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lithium	0.038		0.500	0.531		mg/L		99	75 - 125	4	20

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633995

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	0.038		0.0400		mg/L		5	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633145

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		12/09/21 07:20	12/09/21 15:56	1
Arsenic	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Barium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 15:56	1
Beryllium	<0.0010	^1+	0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Cadmium	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Calcium	<0.20		0.20		mg/L		12/09/21 07:20	12/09/21 15:56	1
Chromium	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Cobalt	<0.0010		0.0010		mg/L		12/09/21 07:20	12/09/21 15:56	1
Lead	<0.00050		0.00050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Molybdenum	<0.0050		0.0050		mg/L		12/09/21 07:20	12/09/21 15:56	1
Selenium	<0.0025		0.0025		mg/L		12/09/21 07:20	12/09/21 15:56	1
Thallium	<0.0020		0.0020		mg/L		12/09/21 07:20	12/09/21 15:56	1

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QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-632817/1-A
Matrix: Water
Analysis Batch: 633191

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		12/09/21 07:20	12/10/21 11:42	1

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633145

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.486		mg/L		97	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	2.00	1.93		mg/L		97	80 - 120
Beryllium	0.0500	0.0508	^1+	mg/L		102	80 - 120
Cadmium	0.0500	0.0488		mg/L		98	80 - 120
Calcium	10.0	9.84		mg/L		98	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.500	0.510		mg/L		102	80 - 120
Lead	0.100	0.106		mg/L		106	80 - 120
Molybdenum	1.00	0.964		mg/L		96	80 - 120
Selenium	0.100	0.0987		mg/L		99	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: LCS 500-632817/2-A
Matrix: Water
Analysis Batch: 633191

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 632817

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

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.497		mg/L		99	75 - 125
Arsenic	<0.0010		0.100	0.0984		mg/L		98	75 - 125
Barium	0.090		2.00	2.00		mg/L		95	75 - 125
Beryllium	<0.0010	^1+	0.0500	0.0478	^1+	mg/L		96	75 - 125
Cadmium	<0.00050		0.0500	0.0481		mg/L		96	75 - 125
Calcium	170		10.0	188	4	mg/L		160	75 - 125
Chromium	<0.0050		0.200	0.195		mg/L		98	75 - 125
Cobalt	<0.0010		0.500	0.481		mg/L		96	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Molybdenum	0.0098		1.00	1.00		mg/L		99	75 - 125
Selenium	0.017		0.100	0.118		mg/L		102	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	2.0		1.00	3.11		mg/L		109	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.486		mg/L		97	75 - 125	2	20
Arsenic	<0.0010		0.100	0.0976		mg/L		97	75 - 125	1	20
Barium	0.090		2.00	1.98		mg/L		95	75 - 125	1	20
Beryllium	<0.0010	^1+	0.0500	0.0480	^1+	mg/L		96	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0475		mg/L		94	75 - 125	1	20
Calcium	170		10.0	188	4	mg/L		154	75 - 125	0	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	1	20
Cobalt	<0.0010		0.500	0.477		mg/L		95	75 - 125	1	20
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125	1	20
Molybdenum	0.0098		1.00	0.982		mg/L		97	75 - 125	2	20
Selenium	0.017		0.100	0.116		mg/L		99	75 - 125	2	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	0	20

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Boron	2.0		1.00	3.15		mg/L		113	75 - 125	1	20

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633145

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.090		0.0911		mg/L		0.9	20
Beryllium	<0.0010	^1+	<0.0010	^1+	mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	170		174		mg/L		0.9	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.0098		0.00949		mg/L		3	20
Selenium	0.017		0.0168		mg/L		2	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 633191

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 632817

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Boron	2.0		2.11		mg/L		4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-632002/12-A
Matrix: Water
Analysis Batch: 632273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 632002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		12/03/21 09:55	12/06/21 07:37	1

Lab Sample ID: LCS 500-632002/13-A
Matrix: Water
Analysis Batch: 632273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Lab Sample ID: 500-208740-9 MS
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020		0.00100	0.00100		mg/L		100	75 - 125

Lab Sample ID: 500-208740-9 MSD
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.00103		mg/L		103	75 - 125	3	20

Lab Sample ID: 500-208740-9 DU
Matrix: Water
Analysis Batch: 632273

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 632002

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

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

Lab Sample ID: MB 500-630462/1
Matrix: Water
Analysis Batch: 630462

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			11/23/21 07:48	1

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: LCS 500-630462/2
Matrix: Water
Analysis Batch: 630462

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: MB 500-631038/1
Matrix: Water
Analysis Batch: 631038

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			11/27/21 18:04	1

Lab Sample ID: LCS 500-631038/2
Matrix: Water
Analysis Batch: 631038

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	248		mg/L		99	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-630527/91
Matrix: Water
Analysis Batch: 630527

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			11/22/21 16:16	1

Lab Sample ID: LCS 500-630527/92
Matrix: Water
Analysis Batch: 630527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.6		mg/L		103	85 - 115

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 630527

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	29		20.0	52.4		mg/L		115	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 630527

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	29		20.0	52.4		mg/L		115	75 - 125	0	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-631704/84
Matrix: Water
Analysis Batch: 631704

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			12/01/21 12:47	1

Lab Sample ID: LCS 500-631704/85
Matrix: Water
Analysis Batch: 631704

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.2		mg/L		101	85 - 115

Lab Sample ID: 500-208740-13 MS
Matrix: Water
Analysis Batch: 631704

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	150		20.0	160	4	mg/L		67	75 - 125

Lab Sample ID: 500-208740-13 MSD
Matrix: Water
Analysis Batch: 631704

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	150		20.0	160	4	mg/L		67	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-633232/3
Matrix: Water
Analysis Batch: 633232

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			12/10/21 13:29	1

Lab Sample ID: MB 500-633232/31
Matrix: Water
Analysis Batch: 633232

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			12/10/21 15:08	1

Lab Sample ID: LCS 500-633232/32
Matrix: Water
Analysis Batch: 633232

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	11.2		mg/L		112	90 - 119

QC Sample Results

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

Job ID: 500-208740-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-633232/4
Matrix: Water
Analysis Batch: 633232

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.8		mg/L		108	90 - 119

Lab Sample ID: 500-208740-9 MS
Matrix: Water
Analysis Batch: 633232

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
Fluoride	0.44		5.00	5.84		mg/L		108	75 - 125

Lab Sample ID: 500-208740-9 MSD
Matrix: Water
Analysis Batch: 633232

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.44		5.00	5.84		mg/L		108	75 - 125	0	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-630528/44
Matrix: Water
Analysis Batch: 630528

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			11/22/21 17:43	1

Lab Sample ID: LCS 500-630528/45
Matrix: Water
Analysis Batch: 630528

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	21.1		mg/L		105	88 - 123

Lab Sample ID: 500-208740-1 MS
Matrix: Water
Analysis Batch: 630528

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	260		20.0	269	4	mg/L		51	75 - 125

Lab Sample ID: 500-208740-1 MSD
Matrix: Water
Analysis Batch: 630528

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	260		20.0	270	4	mg/L		54	75 - 125	0	20

QC Sample Results

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

Job ID: 500-208740-1

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

Lab Sample ID: MB 500-631705/38
Matrix: Water
Analysis Batch: 631705

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			12/01/21 14:16	1

Lab Sample ID: LCS 500-631705/42
Matrix: Water
Analysis Batch: 631705

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	21.7		mg/L		109	88 - 123

Lab Sample ID: 500-208740-13 MS
Matrix: Water
Analysis Batch: 631705

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	94		20.0	111	4	mg/L		89	75 - 125

Lab Sample ID: 500-208740-13 MSD
Matrix: Water
Analysis Batch: 631705

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	94		20.0	111	4	mg/L		87	75 - 125	0	20

Chain of Custody Record



Client Information				Sampler	Lab PM	Carrier Tracking No(s)	500-208740 COC
Client Contact: Richard Gnat				Phone	Mockler Diana J	E-Mail	33 1
Company: KPRG and Associates Inc				PWSID	Diana Mockler@Eurofinset.com	State of Origin	Page 1 of 1
Address: 14665 West Lisbon Road Suite 1A			Due Date Requested	Analysis Requested			
City: Brookfield			TAT Requested (days)	Job #: 500-208740 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 Amchlors 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 Z other (specify) Other:			
State Zip: WI 53005			Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Phone: 779-279-2321(Tel)			PO #: 4502041043				
Email: richardg@kprginc.com			WO #				
Project Name: Will County CCR Event Desc Quarterly GW Monitoring			Project #: 50011609				
Site: Illinois			SSOW#	Field Filtered Sample (Yes or No) Perform: MS/MSD (Yes or No) Total Number of containers 903.0 904.0 6010C, 6020A 7470A 2540C 4500_F_C SM4500_CL_E; SM4500_SO4_E			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT-Tissue, A=Air)	Preservation Code	Special Instructions/Note
1	MW-01	11/19	1129		Water		
2	MW-02	11/19	1215		Water		
3	MW-03	11/19	1300		Water		
4	MW-04	11/19	1350		Water		
5	MW-07	11/19	1245		Water		
6	MW-08	11/19	1140		Water		
7	MW-13	11/19			Water		
8	MW 14	11/19	1223		Water		
9	MW-15	11/19	1215		Water		
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested I II III IV Other (specify)				Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date	Time		Method of Shipment.		
Relinquished by:		Date/Time: 11/19 14:38	Company: KPRG		Received by:		Date/Time: 11/19/21 1438
Relinquished by:		Date/Time: 11/19/21 1536	Company: TA		Received by:		Date/Time: 11-19-21 1530
Relinquished by:		Date/Time:	Company:		Received by:		Date/Time:
Custody Seals Intact.		Custody Seal No		Cooler Temperature(s) °C and Other Remarks.			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				3.6, 4.8			

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Eurofins TestAmerica, Chicago

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

Chain of Custody Record



environment es
 america

Client Information		Sampler: <i>M. Hess</i>	Lab PM: Mockler Diana J	Carrier Tracking No(s)	COC No: 500 96644-42645 1	
Client Contact: Richard Gnat		Phone: <i>630.602.7240</i>	E Mail: Diana Mockler@Eurofinset.com	State of Origin	Page 1 of 1	
Company: KPRG and Associates Inc		PWSID:	Analysis Requested			
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested	Job #: <i>500-208740</i> 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 Z other (specify) Other:			
City: Brookfield		TAT Requested (days)				
State, Zip: WI 53005		Compliance Project. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Phone: 779-279-2321(Tel) 500-208740 COC		PO #: 4502041043				
Email: richardg@kprginc.com		WO#:				
Project Name: Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609	Total Number of containers: Perform MS/MSD (Yes or No): 903.0 904.0 6010C 6020A 7470A 2540C 4500_F_C SM4500_C1_E SM4500_S04_E			
Site: Illinois		SSOW#:				
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)	Special Instructions/Note
<i>MW-05</i>	<i>11/23</i>	<i>11:40</i>		Water	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<i>MW-06</i>		<i>13:21</i>		Water		
<i>MW-09</i>		<i>12:30</i>		Water		
<i>MW-10</i>		<i>13:26</i>		Water		
<i>MW-11</i>		<i>12:14</i>		Water		
<i>MW-12</i>		<i>14:20</i>		Water		
<i>MW-13</i>		<i>11:35</i>		Water		
<i>Duplicate</i>						
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested I II III IV Other (specify)			Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date	Time		Method of Shipment	
Relinquished by: <i>M. Hess</i>		Date/Time: <i>11/23/24 12:00</i>	Company: <i>KPRG</i>		Received by: <i>[Signature]</i> Date/Time: <i>11/24/21 12:40</i> Company: <i>TA</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>11/24/21 13:10</i>	Company: <i>A</i>		Received by: <i>[Signature]</i> Date/Time: <i>11/24/21 13:40</i> Company: <i>ETA</i>	
Relinquished by:		Date/Time:	Company:		Received by:	
Custody Seals Intact. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) C and Other Remarks: <i>5.4, 3.4, 1.5, 1.8, 1.9</i>		

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-208740-1

Login Number: 208740

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

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	3.6,4.8,5.4,3.4,1.5,1.8,1.9
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	Note: sample 8 only has 2L for Rad work
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: Will County CCR

Job ID: 500-208740-1

Client Sample ID: MW-01
Date Collected: 11/19/21 11:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 16:52	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:03	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 11:49	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:42	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:16	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	630527	11/22/21 16:40	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:29	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	630528	11/22/21 18:07	RES	TAL CHI

Client Sample ID: MW-02
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:08	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:20	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:07	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:44	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:32	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:12	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:23	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:10	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:46	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:21	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:35	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-04
Date Collected: 11/19/21 13:58
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:15	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 16:27	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:14	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:48	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	630527	11/22/21 16:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:38	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	630528	11/22/21 18:09	RES	TAL CHI

Client Sample ID: MW-07
Date Collected: 11/19/21 12:45
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:25	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:33	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:24	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:50	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:26	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-08
Date Collected: 11/19/21 11:40
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:28	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:36	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:27	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 07:52	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:29	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:55	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Client Sample ID: MW-14
Date Collected: 11/19/21 13:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:31	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:39	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:31	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:03	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:31	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	630527	11/22/21 16:42	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 14:58	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:10	RES	TAL CHI

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:35	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:34	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:14	MJG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-15
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	630462	11/23/21 08:34	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	630527	11/22/21 16:43	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:01	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	630528	11/22/21 18:11	RES	TAL CHI

Client Sample ID: MW-05
Date Collected: 11/23/21 11:40
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:38	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:46	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		20	633191	12/10/21 12:38	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:16	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:40	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	631704	12/01/21 13:41	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:16	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:17	RES	TAL CHI

Client Sample ID: MW-06
Date Collected: 11/23/21 13:21
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:41	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:50	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:41	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:37	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:42	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		3	631704	12/01/21 12:47	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:18	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-09
Date Collected: 11/23/21 12:30
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:44	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:53	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 12:45	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:39	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:45	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:48	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:39	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:18	RES	TAL CHI

Client Sample ID: MW-10
Date Collected: 11/23/21 13:26
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:48	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 17:57	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:48	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:41	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:47	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:48	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:43	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:19	RES	TAL CHI

Client Sample ID: MW-11
Date Collected: 11/23/21 12:14
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:51	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:00	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 12:52	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:43	MJG	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: MW-11

Lab Sample ID: 500-208740-13

Date Collected: 11/23/21 12:14

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:50	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:49	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:46	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:19	RES	TAL CHI

Client Sample ID: MW-12

Lab Sample ID: 500-208740-14

Date Collected: 11/23/21 14:20

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 17:54	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:03	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		10	633191	12/10/21 12:55	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:45	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:53	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	631704	12/01/21 12:50	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:49	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	631705	12/01/21 14:21	RES	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-208740-15

Date Collected: 11/23/21 11:35

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 18:04	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:14	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 13:05	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:47	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:55	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:50	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:21	RES	TAL CHI

Lab Chronicle

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

Job ID: 500-208740-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6010C		1	633995	12/15/21 18:07	JJB	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	633145	12/09/21 18:17	FXG	TAL CHI
Total Recoverable	Prep	3005A			632817	12/09/21 07:20	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		5	633191	12/10/21 13:09	FXG	TAL CHI
Total/NA	Prep	7470A			632002	12/03/21 09:55	MJG	TAL CHI
Total/NA	Analysis	7470A		1	632273	12/06/21 08:49	MJG	TAL CHI
Total/NA	Analysis	SM 2540C		1	631038	11/27/21 18:58	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		10	631704	12/01/21 12:51	RES	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	633232	12/10/21 15:55	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	631705	12/01/21 14:21	RES	TAL CHI

Laboratory References:

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



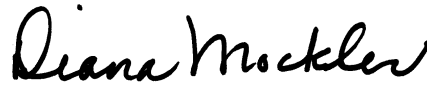
ANALYTICAL REPORT

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

Laboratory Job ID: 500-208740-2
Client Project/Site: Will County CCR

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

Attn: Richard Gnat



Authorized for release by:
12/30/2021 8:29:57 AM

Diana Mockler, Project Manager I
(219)252-7570
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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



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Case Narrative

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

Job ID: 500-208740-2

Job ID: 500-208740-2

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-208740-2

Comments

No additional comments.

Receipt

The samples were received on 11/19/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.5° C, 1.8° C, 1.9° C, 3.4° C, 3.6° C, 4.8° C and 5.4° C.

RAD

Methods 903.0, 9315: Radium 226 batch 538650

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-01 (500-208740-1), MW-02 (500-208740-2), MW-03 (500-208740-3), MW-04 (500-208740-4), MW-07 (500-208740-5), MW-08 (500-208740-6), MW-14 (500-208740-7), MW-15 (500-208740-8), (LCS 160-538650/1-A), (MB 160-538650/23-A) and (500-208740-E-1-A DU)

Methods 903.0, 9315: Radium 226 batch 539537

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 (500-208740-9), MW-06 (500-208740-10), MW-09 (500-208740-11), MW-10 (500-208740-12), MW-11 (500-208740-13), MW-12 (500-208740-14), MW-13 (500-208740-15), DUPLICATE (500-208740-16), (LCS 160-539537/1-A), (MB 160-539537/20-A) and (500-208740-C-9-A DU)

Methods 904.0, 9320: Radium 228 batch 539542

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 (500-208740-9), MW-06 (500-208740-10), MW-09 (500-208740-11), MW-10 (500-208740-12), MW-11 (500-208740-13), MW-12 (500-208740-14), MW-13 (500-208740-15), DUPLICATE (500-208740-16), (LCS 160-539542/1-A), (MB 160-539542/20-A) and (500-208740-C-9-B DU)

Methods 904.0, 9320: Radium 228 batch 542866

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-01 (500-208740-1), MW-02 (500-208740-2), MW-03 (500-208740-3), MW-04 (500-208740-4), MW-07 (500-208740-5), MW-08 (500-208740-6), MW-14 (500-208740-7), MW-15 (500-208740-8), (LCS 160-542866/1-A), (MB 160-542866/23-A) and (500-208740-F-2-A DU)

Method PrecSep_0:

Method PrecSep_0:

Method PrecSep_0:

Method PrecSep-21:

Case Narrative

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

Job ID: 500-208740-2

Job ID: 500-208740-2 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method PrecSep-21:

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

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Method Summary

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

Job ID: 500-208740-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-208740-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-208740-1	MW-01	Water	11/19/21 11:28	11/19/21 15:30
500-208740-2	MW-02	Water	11/19/21 12:15	11/19/21 15:30
500-208740-3	MW-03	Water	11/19/21 13:06	11/19/21 15:30
500-208740-4	MW-04	Water	11/19/21 13:58	11/19/21 15:30
500-208740-5	MW-07	Water	11/19/21 12:45	11/19/21 15:30
500-208740-6	MW-08	Water	11/19/21 11:40	11/19/21 15:30
500-208740-7	MW-14	Water	11/19/21 13:28	11/19/21 15:30
500-208740-8	MW-15	Water	11/19/21 12:15	11/19/21 15:30
500-208740-9	MW-05	Water	11/23/21 11:40	11/24/21 13:40
500-208740-10	MW-06	Water	11/23/21 13:21	11/24/21 13:40
500-208740-11	MW-09	Water	11/23/21 12:30	11/24/21 13:40
500-208740-12	MW-10	Water	11/23/21 13:26	11/24/21 13:40
500-208740-13	MW-11	Water	11/23/21 12:14	11/24/21 13:40
500-208740-14	MW-12	Water	11/23/21 14:20	11/24/21 13:40
500-208740-15	MW-13	Water	11/23/21 11:35	11/24/21 13:40
500-208740-16	DUPLICATE	Water	11/23/21 00:00	11/24/21 13:40



Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-01
Date Collected: 11/19/21 11:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-1
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.0976	0.0982	1.00	0.146	pCi/L	11/26/21 08:23	12/20/21 18:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		40 - 110					11/26/21 08:23	12/20/21 18:18	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.308	0.323	1.00	0.384	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	81.5		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.16		0.323	0.338	5.00	0.384	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-02
Date Collected: 11/19/21 12:15
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-2
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.336		0.145	0.149	1.00	0.175	pCi/L	11/26/21 08:23	12/20/21 18:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		40 - 110					11/26/21 08:23	12/20/21 18:18	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.303	0.319	1.00	0.370	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	83.7		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.43		0.336	0.352	5.00	0.370	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-03
Date Collected: 11/19/21 13:06
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-3
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.509		0.165	0.172	1.00	0.176	pCi/L	11/26/21 08:23	12/20/21 18:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		40 - 110					11/26/21 08:23	12/20/21 18:19	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.97		0.359	0.402	1.00	0.362	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	83.7		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.47		0.395	0.437	5.00	0.362	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-04
Date Collected: 11/19/21 13:58
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-4
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.390		0.171	0.175	1.00	0.207	pCi/L	11/26/21 08:23	12/20/21 18:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		40 - 110					11/26/21 08:23	12/20/21 18:19	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.32		0.338	0.359	1.00	0.398	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	87.1		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.71		0.379	0.399	5.00	0.398	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-07

Lab Sample ID: 500-208740-5

Date Collected: 11/19/21 12:45

Matrix: Water

Date Received: 11/19/21 15:30

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.467		0.204	0.209	1.00	0.247	pCi/L	11/26/21 08:23	12/20/21 18:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.9		40 - 110					11/26/21 08:23	12/20/21 18:20	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.93		0.442	0.476	1.00	0.508	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	86.7		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.40		0.487	0.520	5.00	0.508	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-08

Lab Sample ID: 500-208740-6

Date Collected: 11/19/21 11:40

Matrix: Water

Date Received: 11/19/21 15:30

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.237		0.113	0.115	1.00	0.142	pCi/L	11/26/21 08:23	12/20/21 18:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		40 - 110					11/26/21 08:23	12/20/21 18:20	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.45		0.422	0.442	1.00	0.540	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	85.6		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.69		0.437	0.457	5.00	0.540	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-14
Date Collected: 11/19/21 13:28
Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-7
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.539		0.172	0.179	1.00	0.181	pCi/L	11/26/21 08:23	12/20/21 20:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.4		40 - 110					11/26/21 08:23	12/20/21 20:28	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.674		0.266	0.273	1.00	0.366	pCi/L	12/20/21 09:01	12/28/21 13:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		40 - 110					12/20/21 09:01	12/28/21 13:18	1
Y Carrier	87.1		40 - 110					12/20/21 09:01	12/28/21 13:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.21		0.317	0.326	5.00	0.366	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-15

Lab Sample ID: 500-208740-8

Date Collected: 11/19/21 12:15

Matrix: Water

Date Received: 11/19/21 15:30

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.480		0.195	0.200	1.00	0.224	pCi/L	11/26/21 08:23	12/20/21 20:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.4		40 - 110					11/26/21 08:23	12/20/21 20:28	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.09		0.280	0.297	1.00	0.320	pCi/L	12/20/21 09:01	12/28/21 13:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		40 - 110					12/20/21 09:01	12/28/21 13:19	1
Y Carrier	89.0		40 - 110					12/20/21 09:01	12/28/21 13:19	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.57		0.341	0.358	5.00	0.320	pCi/L		12/29/21 17:20	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-05
Date Collected: 11/23/21 11:40
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-9
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.117	U	0.0902	0.0908	1.00	0.133	pCi/L	11/30/21 13:26	12/22/21 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		40 - 110					11/30/21 13:26	12/22/21 08:01	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.667		0.298	0.304	1.00	0.413	pCi/L	11/30/21 14:08	12/15/21 13:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		40 - 110					11/30/21 14:08	12/15/21 13:23	1
Y Carrier	74.0		40 - 110					11/30/21 14:08	12/15/21 13:23	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.784		0.311	0.317	5.00	0.413	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-06

Lab Sample ID: 500-208740-10

Date Collected: 11/23/21 13:21

Matrix: Water

Date Received: 11/24/21 13:40

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.203		0.111	0.112	1.00	0.146	pCi/L	11/30/21 13:26	12/22/21 08:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		40 - 110					11/30/21 13:26	12/22/21 08:01	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.814		0.363	0.370	1.00	0.521	pCi/L	11/30/21 14:08	12/15/21 13:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		40 - 110					11/30/21 14:08	12/15/21 13:24	1
Y Carrier	73.6		40 - 110					11/30/21 14:08	12/15/21 13:24	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.02		0.380	0.387	5.00	0.521	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-09

Lab Sample ID: 500-208740-11

Date Collected: 11/23/21 12:30

Matrix: Water

Date Received: 11/24/21 13:40

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.0899	0.0904	1.00	0.136	pCi/L	11/30/21 13:26	12/22/21 08:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		40 - 110					11/30/21 13:26	12/22/21 08:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.680		0.342	0.347	1.00	0.502	pCi/L	11/30/21 14:08	12/15/21 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		40 - 110					11/30/21 14:08	12/15/21 13:25	1
Y Carrier	75.1		40 - 110					11/30/21 14:08	12/15/21 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.789		0.354	0.359	5.00	0.502	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-10

Lab Sample ID: 500-208740-12

Date Collected: 11/23/21 13:26

Matrix: Water

Date Received: 11/24/21 13:40

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.341		0.153	0.156	1.00	0.188	pCi/L	11/30/21 13:26	12/22/21 08:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		40 - 110					11/30/21 13:26	12/22/21 08:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.88		0.543	0.570	1.00	0.707	pCi/L	11/30/21 14:08	12/15/21 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		40 - 110					11/30/21 14:08	12/15/21 13:25	1
Y Carrier	75.1		40 - 110					11/30/21 14:08	12/15/21 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.22		0.564	0.591	5.00	0.707	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-11
Date Collected: 11/23/21 12:14
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-13
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.599		0.163	0.172	1.00	0.153	pCi/L	11/30/21 13:26	12/22/21 08:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		40 - 110					11/30/21 13:26	12/22/21 08:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.75		0.430	0.459	1.00	0.509	pCi/L	11/30/21 14:08	12/15/21 13:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		40 - 110					11/30/21 14:08	12/15/21 13:25	1
Y Carrier	72.5		40 - 110					11/30/21 14:08	12/15/21 13:25	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.35		0.460	0.490	5.00	0.509	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-12

Lab Sample ID: 500-208740-14

Date Collected: 11/23/21 14:20

Matrix: Water

Date Received: 11/24/21 13:40

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.184		0.0994	0.101	1.00	0.127	pCi/L	11/30/21 13:26	12/22/21 08:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					11/30/21 13:26	12/22/21 08:02	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.396	U	0.275	0.278	1.00	0.424	pCi/L	11/30/21 14:08	12/15/21 13:26	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					11/30/21 14:08	12/15/21 13:26	1
Y Carrier	75.5		40 - 110					11/30/21 14:08	12/15/21 13:26	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.580		0.292	0.296	5.00	0.424	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: MW-13
Date Collected: 11/23/21 11:35
Date Received: 11/24/21 13:40

Lab Sample ID: 500-208740-15
Matrix: Water

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.431		0.160	0.165	1.00	0.171	pCi/L	11/30/21 13:26	12/22/21 08:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					11/30/21 13:26	12/22/21 08:03	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.417	0.428	1.00	0.569	pCi/L	11/30/21 14:08	12/15/21 13:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		40 - 110					11/30/21 14:08	12/15/21 13:27	1
Y Carrier	75.9		40 - 110					11/30/21 14:08	12/15/21 13:27	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.49		0.447	0.459	5.00	0.569	pCi/L		12/27/21 16:55	1

Client Sample Results

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

Job ID: 500-208740-2

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0910	U	0.0950	0.0954	1.00	0.152	pCi/L	11/30/21 13:26	12/22/21 08:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		40 - 110					11/30/21 13:26	12/22/21 08:05	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.222	U	0.272	0.273	1.00	0.450	pCi/L	11/30/21 14:08	12/15/21 13:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		40 - 110					11/30/21 14:08	12/15/21 13:27	1
Y Carrier	72.1		40 - 110					11/30/21 14:08	12/15/21 13:27	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.313	U	0.288	0.289	5.00	0.450	pCi/L		12/27/21 16:55	1

Definitions/Glossary

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

Job ID: 500-208740-2

Qualifiers

Rad

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

Glossary

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

QC Association Summary

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

Job ID: 500-208740-2

Rad

Prep Batch: 538650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	PrecSep-21	
500-208740-2	MW-02	Total/NA	Water	PrecSep-21	
500-208740-3	MW-03	Total/NA	Water	PrecSep-21	
500-208740-4	MW-04	Total/NA	Water	PrecSep-21	
500-208740-5	MW-07	Total/NA	Water	PrecSep-21	
500-208740-6	MW-08	Total/NA	Water	PrecSep-21	
500-208740-7	MW-14	Total/NA	Water	PrecSep-21	
500-208740-8	MW-15	Total/NA	Water	PrecSep-21	
MB 160-538650/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-538650/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-208740-1 DU	MW-01	Total/NA	Water	PrecSep-21	

Prep Batch: 539537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	PrecSep-21	
500-208740-10	MW-06	Total/NA	Water	PrecSep-21	
500-208740-11	MW-09	Total/NA	Water	PrecSep-21	
500-208740-12	MW-10	Total/NA	Water	PrecSep-21	
500-208740-13	MW-11	Total/NA	Water	PrecSep-21	
500-208740-14	MW-12	Total/NA	Water	PrecSep-21	
500-208740-15	MW-13	Total/NA	Water	PrecSep-21	
500-208740-16	DUPLICATE	Total/NA	Water	PrecSep-21	
MB 160-539537/20-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-539537/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-208740-9 DU	MW-05	Total/NA	Water	PrecSep-21	

Prep Batch: 539542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-9	MW-05	Total/NA	Water	PrecSep_0	
500-208740-10	MW-06	Total/NA	Water	PrecSep_0	
500-208740-11	MW-09	Total/NA	Water	PrecSep_0	
500-208740-12	MW-10	Total/NA	Water	PrecSep_0	
500-208740-13	MW-11	Total/NA	Water	PrecSep_0	
500-208740-14	MW-12	Total/NA	Water	PrecSep_0	
500-208740-15	MW-13	Total/NA	Water	PrecSep_0	
500-208740-16	DUPLICATE	Total/NA	Water	PrecSep_0	
MB 160-539542/20-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-539542/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-208740-9 DU	MW-05	Total/NA	Water	PrecSep_0	

Prep Batch: 542866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-208740-1	MW-01	Total/NA	Water	PrecSep_0	
500-208740-2	MW-02	Total/NA	Water	PrecSep_0	
500-208740-3	MW-03	Total/NA	Water	PrecSep_0	
500-208740-4	MW-04	Total/NA	Water	PrecSep_0	
500-208740-5	MW-07	Total/NA	Water	PrecSep_0	
500-208740-6	MW-08	Total/NA	Water	PrecSep_0	
500-208740-7	MW-14	Total/NA	Water	PrecSep_0	
500-208740-8	MW-15	Total/NA	Water	PrecSep_0	
MB 160-542866/23-A	Method Blank	Total/NA	Water	PrecSep_0	

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QC Association Summary

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

Job ID: 500-208740-2

Rad (Continued)

Prep Batch: 542866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 160-542866/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-208740-2 DU	MW-02	Total/NA	Water	PrecSep_0	

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

QC Sample Results

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

Job ID: 500-208740-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-538650/23-A
Matrix: Water
Analysis Batch: 543038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538650

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1352	U	0.102	0.102	1.00	0.140	pCi/L	11/26/21 08:23	12/20/21 20:29	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield Qualifier		40 - 110					11/26/21 08:23	12/20/21 20:29	1
	86.1									

Lab Sample ID: LCS 160-538650/1-A
Matrix: Water
Analysis Batch: 543041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538650

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits	
				Uncert. (2σ+/-)						
Radium-226	15.1	15.23		1.61	1.00	0.179	pCi/L	101	75 - 125	
Carrier	LCS	LCS	Limits							
Ba Carrier	%Yield Qualifier	40 - 110								
	87.3									

Lab Sample ID: 500-208740-1 DU
Matrix: Water
Analysis Batch: 543041

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 538650

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit		
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)							
Radium-226	0.120	U	0.1185	U	0.111	1.00	0.174	pCi/L	0.01	1		
Carrier	DU	DU	Limits									
Ba Carrier	%Yield Qualifier	40 - 110										
	89.8											

Lab Sample ID: MB 160-539537/20-A
Matrix: Water
Analysis Batch: 543296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539537

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.03122	U	0.0781	0.0782	1.00	0.142	pCi/L	11/30/21 13:26	12/22/21 08:10	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield Qualifier		40 - 110					11/30/21 13:26	12/22/21 08:10	1
	101									

Lab Sample ID: LCS 160-539537/1-A
Matrix: Water
Analysis Batch: 543294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539537

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec. Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.51		1.11	1.00	0.138	pCi/L	93	75 - 125

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QC Sample Results

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

Job ID: 500-208740-2

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

Lab Sample ID: LCS 160-539537/1-A
Matrix: Water
Analysis Batch: 543294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539537

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.0		40 - 110

Lab Sample ID: 500-208740-9 DU
Matrix: Water
Analysis Batch: 543294

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 539537

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-226	0.117	U	0.2237		0.136	1.00	0.185	pCi/L	0.47	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	64.9		40 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-539542/20-A
Matrix: Water
Analysis Batch: 542191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539542

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		40 - 110	11/30/21 14:08	12/15/21 13:34	1
Y Carrier	87.9		40 - 110	11/30/21 14:08	12/15/21 13:34	1

Lab Sample ID: LCS 160-539542/1-A
Matrix: Water
Analysis Batch: 542175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539542

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec.
									Limits
Radium-228	9.05	10.98		1.31	1.00	0.471	pCi/L	121	75 - 125

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.0		40 - 110
Y Carrier	69.9		40 - 110

Lab Sample ID: 500-208740-9 DU
Matrix: Water
Analysis Batch: 542175

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 539542

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER
										Limit
Radium-228	0.667		0.5297	U	0.448	1.00	0.712	pCi/L	0.18	1

Eurofins TestAmerica, Chicago

QC Sample Results

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

Job ID: 500-208740-2

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

Lab Sample ID: 500-208740-9 DU
Matrix: Water
Analysis Batch: 542175

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 539542

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	64.9		40 - 110
Y Carrier	74.0		40 - 110

Lab Sample ID: MB 160-542866/23-A
Matrix: Water
Analysis Batch: 543786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542866

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.7219		0.343	0.350	1.00	0.492	pCi/L	12/20/21 09:01	12/28/21 13:19	1

	MB	MB		Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits			
Ba Carrier	87.6		40 - 110	12/20/21 09:01	12/28/21 13:19	1
Y Carrier	86.0		40 - 110	12/20/21 09:01	12/28/21 13:19	1

Lab Sample ID: LCS 160-542866/1-A
Matrix: Water
Analysis Batch: 543883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542866

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.0		40 - 110
Y Carrier	82.6		40 - 110

Lab Sample ID: 500-208740-2 DU
Matrix: Water
Analysis Batch: 543786

Client Sample ID: MW-02
Prep Type: Total/NA
Prep Batch: 542866

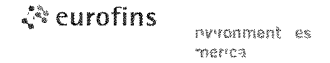
Analyte	Sample Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								
Radium-228	1.09		1.154		0.417	1.00	0.537	pCi/L	0.09	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	63.4		40 - 110
Y Carrier	85.2		40 - 110

Eurofins TestAmerica, Chicago

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

Chain of Custody Record



Client Information		Sampler: <i>M. Hess</i>		Lab PM: Mockler Diana J		Carrier Tracking No(s)		COC No: 500 96644-42645 1																	
Client Contact: Richard Gnat		Phone: <i>630.602.7240</i>		E Mail: Diana Mockler@Eurofinset.com		State of Origin		Page: Page 1 of 1																	
Company: KPRG and Associates Inc		PWSID:		Analysis Requested						Job #: <i>500-208740</i>															
Address: 14665 West Lisbon Road Suite 1A		Due Date Requested		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>903.0 904.0</td> <td>6010C 6020A 7470A</td> <td>2540C 4500_F_C SM4500_C1_E SM4500_S04_E</td> <td colspan="2">Total Number of containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SM4500_C1_E SM4500_S04_E	Total Number of containers									Preservation Codes	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0 904.0	6010C 6020A 7470A							2540C 4500_F_C SM4500_C1_E SM4500_S04_E	Total Number of containers														
City: Brookfield		TAT Requested (days)								A HCL M Hexane		B NaOH N None													
State, Zip: WI 53005		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								C Zn Acetate O AsNaO2		D Nitric Acid P Na2O4S													
Phone: 779-279-2321(Tel) 500-208740 COC		PO #: 4502041043		E NaHSO4 Q Na2SO3		F MeOH R Na2S2O3																			
Email: richardg@kprginc.com		WO #		G Amchlor S H2SO4		H Ascorbic Acid T TSP Dodecahydrate																			
Project Name: Will County CCR Event Desc Quarterly GW Monitoring		Project #: 50011609		I Ice U Acetone		J DI Water V MCAA																			
Site: Illinois		SSOW#		K EDTA W pH 4-5		L EDA 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)	903.0 904.0	6010C 6020A 7470A	2540C 4500_F_C SM4500_C1_E SM4500_S04_E	Total Number of containers	Special Instructions/Note
				Preservation Code	X	X	D	D	N		
<i>MW-05</i>	<i>11/23</i>	<i>11:40</i>		Water			X	X	X		
<i>MW-06</i>		<i>13:21</i>		Water							
<i>MW-09</i>		<i>12:30</i>		Water							
<i>MW-10</i>		<i>13:26</i>		Water							
<i>MW-11</i>		<i>12:14</i>		Water							
<i>MW-12</i>		<i>14:20</i>		Water							
<i>MW-13</i>		<i>11:35</i>		Water							
<i>Duplicate</i>											

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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: <i>M. Hess</i>		Date/Time: <i>11/23/24 12:00</i>		Company: <i>KPRG</i>		Received by: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>11/24/21 13:10</i>		Company: <i>A</i>		Received by: <i>[Signature]</i>	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____	
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) C and Other Remarks		<i>5.4, 3.4, 1.5, 1.8, 1.9</i>	

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-154683.1				
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@Eurofinset.com		State of Origin: Illinois		Page: Page 1 of 1				
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #:		500-208740-2				
Address: 13715 Rider Trail North, Earth City, MO, 63045		Due Date Requested: 12/27/2021		Analysis Requested		Preservation Codes:				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days):		Field Filtered Sample (Yes or No)		A - HCL B - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)				
Email:		PO #:		903.0/Precep_21 Standard Target List		Other:				
Project Name: Will County CCR		WO #:		904.0/Precep_0 Standard Target List		Total Number of Containers				
Site: NRG Midwest Generation Will County		Project #:		R226Ra228_GPC		Special Instructions/Note:				
		SSOW#:				Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Overstabil, BT=Issue, A=As)	Preservation Code:	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	903.0/Precep_21 Standard Target List	904.0/Precep_0 Standard Target List	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-01 (500-208740-1)	11/19/21	11:28 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-02 (500-208740-2)	11/19/21	12:15 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-03 (500-208740-3)	11/19/21	13:06 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-04 (500-208740-4)	11/19/21	13:58 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-07 (500-208740-5)	11/19/21	12:45 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-08 (500-208740-6)	11/19/21	11:40 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-14 (500-208740-7)	11/19/21	13:28 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-15 (500-208740-8)	11/19/21	12:15 Central	Water	Water		X	X	X	X	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

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

Possible Hazard Identification
Unconfirmed

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

Special Instructions/QC Requirements: Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *Michelle Swartz* Date/Time: 11/22/21 12:00 Company: *ETA* Company: _____
 Relinquished by: **FED EX** Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____

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



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-208740-2

Login Number: 208740

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

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	3.6,4.8,5.4,3.4,1.5,1.8,1.9
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	Note: sample 8 only has 2L for Rad work
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: 500-208740-2

Login Number: 208740

List Number: 2

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 11/23/21 01:04 PM

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



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-208740-2

Login Number: 208740

List Number: 3

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 11/24/21 01:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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: 500-208740-2

Login Number: 208740

List Number: 4

Creator: Johnson, Autumn R

List Source: Eurofins TestAmerica, St. Louis

List Creation: 11/29/21 01:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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: Will County CCR

Job ID: 500-208740-2

Client Sample ID: MW-01

Lab Sample ID: 500-208740-1

Date Collected: 11/19/21 11:28

Matrix: Water

Date Received: 11/19/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543041	12/20/21 18:18	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-02

Lab Sample ID: 500-208740-2

Date Collected: 11/19/21 12:15

Matrix: Water

Date Received: 11/19/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543041	12/20/21 18:18	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-03

Lab Sample ID: 500-208740-3

Date Collected: 11/19/21 13:06

Matrix: Water

Date Received: 11/19/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543041	12/20/21 18:19	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-04

Lab Sample ID: 500-208740-4

Date Collected: 11/19/21 13:58

Matrix: Water

Date Received: 11/19/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543040	12/20/21 18:19	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-208740-2

Client Sample ID: MW-07

Date Collected: 11/19/21 12:45

Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543040	12/20/21 18:20	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-08

Date Collected: 11/19/21 11:40

Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543040	12/20/21 18:20	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-14

Date Collected: 11/19/21 13:28

Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543038	12/20/21 20:28	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:18	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Client Sample ID: MW-15

Date Collected: 11/19/21 12:15

Date Received: 11/19/21 15:30

Lab Sample ID: 500-208740-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			538650	11/26/21 08:23	BMP	TAL SL
Total/NA	Analysis	903.0		1	543038	12/20/21 20:28	MLK	TAL SL
Total/NA	Prep	PrecSep_0			542866	12/20/21 09:01	LPS	TAL SL
Total/NA	Analysis	904.0		1	543786	12/28/21 13:19	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	544137	12/29/21 17:20	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-208740-2

Client Sample ID: MW-05

Lab Sample ID: 500-208740-9

Date Collected: 11/23/21 11:40

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:01	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:23	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: MW-06

Lab Sample ID: 500-208740-10

Date Collected: 11/23/21 13:21

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:01	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:24	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: MW-09

Lab Sample ID: 500-208740-11

Date Collected: 11/23/21 12:30

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:25	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: MW-10

Lab Sample ID: 500-208740-12

Date Collected: 11/23/21 13:26

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:25	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Lab Chronicle

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

Job ID: 500-208740-2

Client Sample ID: MW-11

Lab Sample ID: 500-208740-13

Date Collected: 11/23/21 12:14

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:25	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: MW-12

Lab Sample ID: 500-208740-14

Date Collected: 11/23/21 14:20

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:26	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: MW-13

Lab Sample ID: 500-208740-15

Date Collected: 11/23/21 11:35

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543294	12/22/21 08:03	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:27	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Client Sample ID: DUPLICATE

Lab Sample ID: 500-208740-16

Date Collected: 11/23/21 00:00

Matrix: Water

Date Received: 11/24/21 13:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			539537	11/30/21 13:26	LPS	TAL SL
Total/NA	Analysis	903.0		1	543295	12/22/21 08:05	FLC	TAL SL
Total/NA	Prep	PrecSep_0			539542	11/30/21 14:08	LPS	TAL SL
Total/NA	Analysis	904.0		1	542175	12/15/21 13:27	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	543622	12/27/21 16:55	EMH	TAL SL

Laboratory References:

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

Tracer/Carrier Summary

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

Job ID: 500-208740-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-208740-1	MW-01	83.8	
500-208740-1 DU	MW-01	89.8	
500-208740-2	MW-02	79.6	
500-208740-3	MW-03	85.1	
500-208740-4	MW-04	82.1	
500-208740-5	MW-07	66.9	
500-208740-6	MW-08	92.0	
500-208740-7	MW-14	74.4	
500-208740-8	MW-15	71.4	
500-208740-9	MW-05	87.1	
500-208740-9 DU	MW-05	64.9	
500-208740-10	MW-06	85.6	
500-208740-11	MW-09	85.1	
500-208740-12	MW-10	89.6	
500-208740-13	MW-11	85.1	
500-208740-14	MW-12	91.5	
500-208740-15	MW-13	91.5	
500-208740-16	DUPLICATE	89.3	
LCS 160-538650/1-A	Lab Control Sample	87.3	
LCS 160-539537/1-A	Lab Control Sample	92.0	
MB 160-538650/23-A	Method Blank	86.1	
MB 160-539537/20-A	Method Blank	101	

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
500-208740-1	MW-01	87.6	81.5
500-208740-2	MW-02	91.3	83.7
500-208740-2 DU	MW-02	63.4	85.2
500-208740-3	MW-03	90.8	83.7
500-208740-4	MW-04	79.6	87.1
500-208740-5	MW-07	89.1	86.7
500-208740-6	MW-08	91.3	85.6
500-208740-7	MW-14	90.8	87.1
500-208740-8	MW-15	89.3	89.0
500-208740-9	MW-05	87.1	74.0
500-208740-9 DU	MW-05	64.9	74.0
500-208740-10	MW-06	85.6	73.6
500-208740-11	MW-09	85.1	75.1
500-208740-12	MW-10	89.6	75.1
500-208740-13	MW-11	85.1	72.5
500-208740-14	MW-12	91.5	75.5
500-208740-15	MW-13	91.5	75.9
500-208740-16	DUPLICATE	89.3	72.1

Tracer/Carrier Summary

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

Job ID: 500-208740-2

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

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (40-110)	Y (40-110)
LCS 160-539542/1-A	Lab Control Sample	92.0	69.9
LCS 160-542866/1-A	Lab Control Sample	93.0	82.6
MB 160-539542/20-A	Method Blank	101	87.9
MB 160-542866/23-A	Method Blank	87.6	86.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

