

DATA SUMMARY POSTING

Station: Midwest Generation Waukegan Generating Station

Regulated Unit(s): East Pond (BOL Log No. 2021-512)
 West Pond (BOL Log No. 2021-513)
 Old Pond (BOL Log Number unassigned)

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 2025 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.

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 on October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, 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	Turbidity	
MW-09 up-gradient	11/4/2015	13	210	450	0.14	6.60	370	1700	< 0.0030	< 0.0010	0.015	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.081	< 0.00020	0.26	0.1818	< 0.0025	< 0.0020	NA	
	3/2/2016	35	380	720	0.11	7.02	970	2800	< 0.0030	0.060	0.050	< 0.0010	< 0.00050	0.043	< 0.0010	0.00661	0.094	< 0.00020	0.51	< 0.360	0.025	< 0.0020	NA	
	5/3/2016	16	310	620	0.012	0.025	740	2500	< 0.0030	0.0014	0.025	< 0.0010	< 0.00050	0.0034	< 0.0010	< 0.00050	0.083	< 0.00020	0.63	< 0.512	0.024	< 0.0020	NA	
	8/25/2016	4.5	130	270	0.21	7.13	190	1100	0.0041	0.042	0.024	< 0.0010	0.0011	0.056	0.0027	0.0012	0.049	< 0.00020	0.063	0.482	0.039	< 0.0020	NA	
	12/8/2016	15	200	330	0.040	7.01	270	1300	< 0.0030	0.0040	0.016	< 0.0010	0.00052	< 0.0050	< 0.0010	< 0.00050	0.077	< 0.00020	0.24	< 0.720	0.038	< 0.0020	NA	
	2/23/2017	14	190	290	0.12	7.68	320	1300	< 0.0030	0.0027	0.014	< 0.0010	< 0.00050	0.059	0.0018	< 0.00050	0.068	< 0.00020	0.26	< 0.461	0.016	< 0.0020	NA	
	5/16/2017	27	160	67	0.29	8.15	420	970	< 0.0030	< 0.0010	0.0094	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.045	< 0.00020	0.51	< 0.342	0.0085	< 0.0020	NA	
	7/6/2017	21	220	430	0.13	7.18	610	1800	< 0.0030	0.0020	0.018	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.089	< 0.00020	0.31	< 0.316	0.021	< 0.0020	NA	
	9/13/2017	21	250	420	0.14	7.17	520	1800	< 0.0030	0.0067	0.019	< 0.0010	< 0.00050	0.052	< 0.0010	< 0.00050	0.069	< 0.00020	0.33	< 0.944	0.0041	< 0.0020	NA	
	11/29/2017	26	200	390	0.13	7.05	390	1600	< 0.0030	0.0017	0.015	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.086	< 0.00020	0.47	0.625	0.042	< 0.0020	NA	
	5/31/2018	32	200	NA	NA	6.85	490	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2018	30	170	23	0.11	7.33	290	930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/15/2019	26	120	260	0.13	7.53	31	1000	< 0.0030	< 0.0010	0.0073	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.035	< 0.00020	0.54	< 0.433	< 0.0025	< 0.0020	NA	
	11/19/2019	22	160	17	0.16	8.04	300	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/22/2020	22	140	9.2	0.18	7.81	360	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/2020	28	250	290	0.18	7.43	420	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/6/2021	31	170	35	0.12	7.51	420	910	< 0.0030	< 0.0010	0.0075	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.040	< 0.00020	0.47	< 0.614	0.023	< 0.0020	3.44	
	8/19/2021	7.2	150	170	0.13	7.01	210	350	< 0.0030	0.0019	0.015	< 0.0010	< 0.00050	< 0.0050	^ < 0.0010	< 0.00050	0.066	< 0.00020	0.12	< 0.457	0.071	^ < 0.0020	77.36	
	11/4/2021	10	150	160	0.24	7.07	180	980	< 0.0030	0.0026	0.074	^1+ < 0.0010	< 0.00050	< 0.0050	0.0011	< 0.00050	0.060	< 0.00020	0.12	< 0.775	0.097	< 0.0020	12.66	
	2/10/2022	9.5	190	220	0.17	7.11	270	1300	< 0.0030	0.017	0.033	< 0.0010	< 0.00076	< 0.0050	0.0038	< 0.00050	0.065	< 0.00020	0.21	< 0.523	0.036	< 0.0020	34.39	
	5/24/2022	5.3	150	180	0.23	7.15	200	940	< 0.0030	0.0019	0.020	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.054	< 0.00020	0.18	< 0.444	< 0.0025	< 0.0020	170.87	
	8/23/2022	12	170	170	0.22	7.14	290	1100	< 0.0030	0.0012	0.046	^1- < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.048	< 0.00020	0.21	0.487	0.034	< 0.0020	34.90	
	11/7/2022	6.4	160	200	0.51	6.98	220	1100	< 0.0030	0.0083	0.14	^1+ ^ < 0.0010	< 0.00050	< 0.0050	0.0013	0.0034	0.057	< 0.00020	0.088	2.58	< 0.0025	< 0.0020	195.02	
	12/21/2022 (R)	NS	NS	NS	0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/14/2023	B 2.8	280	220	0.011	6.97	490	1500	< 0.0030	0.0011	0.020	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.062	< 0.00020	0.46	1.01	0.029	< 0.0020	20.46	
	5/9/2023	4.7	140	220	0.23	7.08	200	890	< 0.0030	0.0011	0.021	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.045	< 0.00020	0.15	< 0.557	< 0.0025	< 0.0020	9.34	
	8/8/2023	^ 20	270	380	0.23	6.98	510	1800	< 0.0030	0.0021	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.062	< 0.00020	0.35	0.754	0.022	< 0.0020	18.85	
	11/28/2023	2.6	96	170	0.33	7.15	130	750	< 0.0030	0.0071	0.061	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.053	< 0.00020	0.049	0.652	< 0.0025	< 0.0020	27.24	
	2/6/2024	24	240	150	0.18	6.88	460	1300	^1+ < 0.0030	0.0035	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.20	< 0.00020	0.32	1.09	0.070	< 0.0020	147.43	
	5/21/2024	2.3	120	180	0.37	7.12	130	860	< 0.0030	0.027	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.047	< 0.00020	0.074	0.768	< 0.0025	< 0.0020	105.62	
	8/13/2024	8.5	130	91	0.34	7.08	200	860	< 0.0030	0.0062	0.085	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.045	< 0.00020	0.14	1.10	< 0.0025	< 0.0020	10.56	
	11/12/2024	2.8	130	170	0.32	7.12	130	870	< 0.0030	0.013	0.11	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.047	< 0.00020	0.055	0.92	< 0.0025	< 0.0020	15.83	
	2/4/2025	2.9	130	160	0.27	7.16	180	890	< 0.0030	0.0077	0.070	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^5- 0.051	< 0.00020	0.053	< 0.507	< 0.0025	< 0.0020	7.13	
	5/12/2025	2.3	130	150	0.29	7.04	140	700	< 0.0030	0.012	0.095	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.040	< 0.00020	0.043	0.914	< 0.0025	< 0.0020	19.45	
	8/5/2025	0.13	150	150	0.40	6.98	240	1100	< 0.0030	0.018	0.026	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.038	< 0.00020	0.097	1.54	< 0.0025	< 0.0020	19.19	
	11/18/2025	2.8	110	150	0.24	7.12	70	680	< 0.0030	0.026	0.097	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.054	< 0.00020	0.020	13.4	< 0.0025	< 0.0020	41.56	
	1/9/2025 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	DNVA	NA	NA	DNVA	NA	NA	NA
	MW-11 up-gradient	11/5/2015	5.2	140	240	0.13	6.51	190	1100	< 0.0030	0.077	0.039	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.010	0.055	< 0.00020	< 0.050	0.686	< 0.0025	< 0.0020	NA
		3/2/2016	4.0	170	240	0.10	7.16	210	1200	< 0.0030	0.55	0.048	< 0.0010	< 0.00050	0.058	< 0.0010	0.011	0.049	< 0.00020	< 0.050	1.09	< 0.0025	< 0.0020	NA
		5/2/2016	5.0	140	280	0.11	7.17	160	1000	< 0.0030	0.011	0.038	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.057	< 0.00020	< 0.050	1.24	< 0.0025	< 0.0020	NA
8/26/2016		3.5	180	240	0.13	6.97	110	1100	< 0.0030	1.1	0.050	< 0.0010	< 0.00050	0.055	< 0.0010	0.0050	0.055	< 0.00020	< 0.050	1.04	< 0.0025	< 0.0020	NA	
12/7/2016		3.0	170	270	0.12	7.00	110	1200	< 0.0030	0.87	0.049	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.038	< 0.00020	< 0.050	1.87	< 0.0025	< 0.0020	NA	
2/24/2017		2.4	180	220	4.9	6.61	170	1200	< 0.0030	0.58	0.047	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.039	< 0.00020	< 0.050	0.982	< 0.0025	< 0.0020	NA	
5/18/2017		1.8	160	170	0.12	7.42	120	1000	< 0.0030	0.50	0.047	^ < 0.0010	< 0.00050	0.056	< 0.0010	< 0.00050	0.036	< 0.00020	< 0.050	1.31	< 0.0025	< 0.0020	NA	

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, 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	Turbidity	
MW-01 down-gradient	11/2/2015	1.8	64	71	0.46	10.93	310	560	< 0.0030	0.074	0.025	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.040	0.0683	0.0047	< 0.0020	NA	
	3/1/2016	V 1.9	58	63	0.26	11.13	270	570	< 0.0030	0.10	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.059	< 0.317	< 0.0025	< 0.0020	NA	
	5/4/2016	2.0	45	60	0.30	11.09	210	490	< 0.0030	0.11	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.069	< 0.40	< 0.0025	< 0.0020	NA	
	8/23/2016	2.0	42	60	0.26	10.49	240	550	< 0.0030	0.074	0.012	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.065	< 0.478	0.0042	< 0.0020	NA	
	12/5/2016	2.2	55	65	0.13	10.46	180	560	< 0.0030	0.13	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.070	< 0.465	0.0025	< 0.0020	NA	
	2/21/2017	2.2	50	61	0.29	11.30	250	540	< 0.0030	0.15	0.016	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.069	0.516	< 0.0025	< 0.0020	NA	
	5/15/2017	2.1	52	59	0.37	10.69	330	570	< 0.0030	0.14	0.017	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.062	< 0.424	0.0036	< 0.0020	NA	
	7/5/2017	2.3	44	51	0.34	10.83	320	570	< 0.0030	0.066	0.014	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.059	< 0.289	0.0095	< 0.0020	NA	
	9/14/2017	2.4	71	47	0.24	10.45	430	770	< 0.0030	0.040	0.033	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.047	< 0.383	0.0096	< 0.0020	NA	
	11/27/2017	2.7	84	43	0.11	7.85	330	840	< 0.0030	0.021	0.055	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.034	0.568	0.0230	< 0.0020	NA	
	5/29/2018	2.4	54	58	0.33	8.44	350	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/5/2018	2.0	38	43	0.25	8.70	210	630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/14/2019	2.2	56	45	0.18	9.85	250	560	< 0.0030	0.067	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.053	0.36	< 0.0025	< 0.0020	NA	
	11/19/2019	2.3	38	39	0.24	10.58	240	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2020	2.8	55	25	0.22	9.40	240	470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/17/2020	3.3	120	95	0.14	7.97	250	640	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2021	< 5.0	66	67	0.22	9.00	180	430	< 0.0030	0.025	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.016	< 0.602	< 0.0025	< 0.0020	1.42	
	8/18/2021	2.7	72	60	0.17	8.31	170	430	< 0.0030	0.023	0.044	< 0.0010	< 0.00050	< 0.0050	^< 0.0010	< 0.00050	< 0.010	< 0.00020	0.021	< 0.471	< 0.0025	^< 0.0020	2.33	
	11/3/2021	2.9	67	60	0.22	8.56	180	440	< 0.0030	0.024	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^< 0.0010	< 0.00020	0.026	< 0.553	< 0.0025	< 0.0020	3.05	
	2/8/2022	3.1	62	42	0.22	8.67	230	530	< 0.0030	0.023	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.0020	< 0.0010	0.030	< 0.408	< 0.0025	< 0.0020	4.60	
	5/23/2022	3.3	94	34	0.20	7.77	200	490	< 0.0030	0.018	0.053	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.026	< 0.434	< 0.0025	< 0.0020	2.92	
	8/22/2022	2.8	52	43	0.34	8.60	190	430	< 0.0030	0.023	0.027	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.032	< 0.498	< 0.0025	< 0.0020	1.31	
	11/7/2022	3.0	59	48	0.43	8.45	180	460	< 0.0030	0.024	0.030	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.026	0.944	< 0.0025	< 0.0020	41.21	
	2/13/2023	2.6	46	63	0.24	8.58	170	440	< 0.0030	0.023	0.026	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.027	< 0.529	< 0.0025	< 0.0020	2.90	
	5/8/2023	2.1	45	54	0.39	8.87	160	370	< 0.0030	0.023	0.027	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.023	< 0.507	< 0.0025	< 0.0020	3.21	
	8/7/2023	^< 1.8	46	50	0.40	9.08	150	340	< 0.0030	0.022	0.027	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.020	< 0.474	< 0.0025	< 0.0020	3.15	
	11/27/2023	1.6	54	61	0.31	0.33	140	390	< 0.0030	0.023	0.033	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.018	< 0.560	< 0.0025	< 0.0020	3.74	
	2/5/2024	2.3	58	70	0.34	8.57	170	550	^< 0.0030	0.022	0.033	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.018	0.684	< 0.0025	< 0.0020	5.07	
	5/20/2024	2.3	110	91	0.20	7.57	210	650	< 0.0030	0.017	0.068	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.017	< 0.531	< 0.0025	< 0.0020	4.72	
	8/12/2024	1.8	63	81	0.28	8.65	170	460	< 0.0030	0.019	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.021	< 0.606	< 0.0025	< 0.0020	6.80	
11/11/2024	2.4	94	82	0.22	0.53	190	550	< 0.0030	0.012	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.025	< 0.516	0.0036	< 0.0020	2.25		
2/3/2025	1.8	66	75	0.24	7.67	160	420	< 0.0030	0.019	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.025	< 0.403	< 0.0025	< 0.0020	4.31		
5/12/2025	2.2	63	82	0.26	7.66	160	450	< 0.0030	0.013	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.018	< 0.0771	0.0046	< 0.0020	4.02		
8/4/2025	1.8	45	FI 73	0.30	7.14	120	390	< 0.0030	0.015	0.027	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.027	< 0.580	< 0.0025	< 0.0020	8.42		
11/20/2025	2.2	45	72	0.33	7.78	150	390	< 0.0030	0.019	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.029	1.15	< 0.0025	< 0.0020	8.26		
11/2/2015	3.0	37	40	0.27	8.27	160	460	< 0.0030	0.014	0.016	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.030	0.4628	< 0.0025	< 0.0020	NA		
3/1/2016	4.1	39	47	1.3	8.57	220	510	< 0.0030	0.011	0.020	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.078	0.529	< 0.0025	< 0.0020	NA		
5/4/2016	3.3	34	51	1.5	8.19	180	440	< 0.0030	0.0081	0.018	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.069	< 0.425	< 0.0025	< 0.0020	NA		
8/23/2016	3.1	42	59	1.3	7.52	250	500	< 0.0030	0.0082	0.016	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.056	< 0.439	< 0.0025	< 0.0020	NA		
12/5/2016	3.1	28	56	1.0	8.62	160	430	< 0.0030	0.018	0.015	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.071	0.509	< 0.0025	< 0.0020	NA		
2/21/2017	3.3	31	52	0.76	8.75	190	420	< 0.0030	0.028	0.012	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.051	< 0.416	0.0038	< 0.0020	NA		
5/15/2017	3.6	85	48	0.64	8.33	320	640	< 0.0030	0.020	0.029	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.047	0.425	0.0230	< 0.0020	NA		
7/5/2017	4.2	100	52	0.42	7.92	300	710	< 0.0030	0.0094	0.031	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.047	< 0.295	0.0170				

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, 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	Turbidity	
MW-04 down-gradient	11/3/2015	1.8	66	62	0.51	6.68	240	480	< 0.0030	0.0066	0.032	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.031	0.2732	< 0.0025	< 0.0020	NA	
	3/1/2016	2.0	58	51	0.50	7.17	170	450	< 0.0030	0.0083	0.033	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.048	0.478	< 0.0025	< 0.0020	NA	
	5/4/2016	1.6	44	49	0.061	6.92	140	340	< 0.0030	0.0083	0.017	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.046	< 0.542	< 0.0025	< 0.0020	NA	
	8/24/2016	2.0	46	58	0.56	7.01	120	370	< 0.0030	0.010	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.049	< 0.461	< 0.0025	< 0.0020	NA	
	12/5/2016	3.4	200	60	0.21	7.40	300	1000	< 0.0030	0.019	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.10	1.04	< 0.0025	< 0.0020	NA	
	2/22/2017	2.4	150	41	0.17	7.44	290	850	< 0.0030	0.036	0.093	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.015	0.886	0.0042	< 0.0020	NA	
	5/16/2017	2.5	170	29	0.32	7.94	400	970	< 0.0030	0.024	0.072	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.017	0.550	0.032	< 0.0020	NA	
	7/5/2017	3.6	200	51	0.29	7.09	520	1100	< 0.0030	0.0034	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.017	0.515	0.062	< 0.0020	NA	
	9/14/2017	2.5	180	45	0.28	7.09	480	1100	< 0.0030	0.0028	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.021	0.794	0.026	< 0.0020	NA	
	11/28/2017	2.3	110	32	0.28	7.04	130	560	< 0.0030	0.0027	0.053	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.032	0.872	0.0069	< 0.0020	NA	
	5/30/2018	3.0	150	21	0.38	6.57	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2018	2.5	150	58	0.37	6.83	240	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/14/2019	3.3	100	58	0.64	7.30	200	730	< 0.0030	0.0026	0.039	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.070	0.890	0.0040	< 0.0020	NA	
	11/19/2019	2.9	120	44	0.75	7.27	270	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2020	2.9	100	33	0.90	7.18	290	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/2020	3.1	100	18	1.1	7.17	250	690	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2021	3.3	75	17	0.91	7.46	190	530	< 0.0030	0.0069	0.032	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.056	< 0.781	0.0041	< 0.0020	1.77	
	8/18/2021	3.0	92	39	0.80	7.45	200	590	< 0.0030	0.0052	0.041	< 0.0010	< 0.00050	< 0.0050	^< 0.0010	< 0.00050	< 0.010	< 0.00020	0.045	0.523	< 0.0025	^< 0.0020	40.61	
	11/3/2021	2.7	67	50	0.99	7.36	150	550	< 0.0030	0.0094	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^< 0.010	< 0.00020	0.040	0.572	< 0.0025	< 0.0020	4.26	
	2/8/2022	3.1	110	38	0.66	7.61	190	660	< 0.0030	0.024	0.057	< 0.0010	< 0.00050	< 0.0050	0.011	< 0.00050	0.076	< 0.00020	0.014	1.21	< 0.0025	< 0.0020	13.32	
	5/23/2022	2.5	81	41	0.61	8.05	150	510	< 0.0030	0.012	0.038	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.019	0.598	< 0.0025	< 0.0020	28.94	
	8/22/2022	FI 3.1	100	31	0.55	7.82	230	660	< 0.0030	0.0070	0.043	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.025	0.618	0.011	< 0.0020	2.57	
	11/7/2022	2.7	63	33	0.62	7.47	180	450	< 0.0030	0.0073	0.026	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.0048	< 0.010	< 0.00020	0.026	1.85	< 0.0025	< 0.0020	41.15	
	2/13/2023	2.8	110	28	0.36	7.58	210	610	< 0.0030	0.0083	0.045	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.021	0.489	0.0062	< 0.0020	3.76	
	5/9/2023	2.3	100	59	0.38	7.16	250	560	< 0.0030	0.0073	0.049	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.034	< 0.549	0.0072	< 0.0020	15.03	
	8/8/2023	^< 2.5	58	63	0.40	7.81	150	400	< 0.0030	0.0088	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.041	0.807	< 0.0025	< 0.0020	2.54	
	11/27/2023	2.4	44	58	0.37	7.63	130	360	< 0.0030	0.0089	0.023	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.062	0.642	< 0.0025	< 0.0020	4.22	
	2/5/2024	2.7	74	45	0.46	7.33	130	430	^< 0.0030	0.0078	0.034	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.037	< 0.474	0.0081	< 0.0020	3.73	
	5/21/2024	2.2	64	58	0.40	7.59	130	450	< 0.0030	0.0060	0.028	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.041	< 0.526	0.0045	< 0.0020	5.67	
	8/12/2024	3.2	210	55	0.35	6.89	420	1200	< 0.0030	0.0033	0.076	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.026	< 0.821	0.020	< 0.0020	6.33	
	11/11/2024	2.7	50	65	0.41	7.58	170	410	< 0.0030	0.011	0.026	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.070	< 0.632	< 0.0025	< 0.0020	3.79	
	2/5/2025	2.6	46	88	0.30	8.30	160	460	< 0.0030	0.012	0.025	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.077	< 0.142	< 0.0025	< 0.0020	6.70	
	5/12/2025	2.3	26	68	0.67	8.60	150	200	< 0.0030	0.0092	0.014	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.044	< 0.276	0.0042	< 0.0020	3.85	
	8/4/2025	2.4	42	FI 75	0.56	8.19	160	460	< 0.0030	0.010	0.019	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.054	< 0.454	< 0.0025	< 0.0020	8.14	
	11/17/2025	3.0	18	79	0.83	8.71	180	450	< 0.0030	0.012	0.0081	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.099	< 0.889	< 0.0025	< 0.0020	10.82	
MW-05 down-gradient	11/19/2025	18	280	48	0.27	6.98	420	1100	< 0.0030	0.026	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.10	< 0.00020	0.12	1.38	< 0.0025	< 0.0020	29.94	
MW-06 upgradient	11/19/2025	0.96	98	34	0.29	7.19	32	490	< 0.0030	0.0017	0.095	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.054	< 0.00020	< 0.0050	0.951	< 0.0025	< 0.0020	23.34	
MW-07 down-gradient	11/19/2025	34	390	36	0.33	7.02	670	1600	< 0.0030	0.0075	0.052	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.15	< 0.00020	0.17	1.96	< 0.0025	< 0.0020	28.89	
MW-16 down-gradient	11/3/2015	4.1	230	87	0.43	6.24	610	1400	< 0.0030	0.0010	0.047	^< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.071	< 0.00020	0.021	0.865	0.0074	< 0.0020	NA	
	3/2/2016	3.1	360	130	0.35	6.76	990	1700	< 0.0030	0.0015	0.035	< 0.0010	0.010	< 0.0050	< 0.0010	< 0.00050	0.13	< 0.00020	0.013	< 0.396	0.0052	< 0.0020	NA	
	5/2/2016	4.9	250	150	0.49	6.99	620	1600	< 0.0030	0.0011	0.052	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.024	< 0.00020	0.014	< 0.696	< 0.0025	< 0.0020	NA	
	8/24/2016	3.6	130	53	0.71	7.00	320	830	< 0.0030	< 0.0010	0.028	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.014	< 0.00020	0.022	< 0.462	< 0.0025	< 0.0020	NA	
	12/5/2016	3.8	160	52	0.51	7.03	280	920	< 0.0030	0.036	0.062	< 0.0010	< 0.00050	< 0.0050	0.002	0.0054	0.011	< 0.00020	0.021					

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

Attn: Richard Gnat
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Generated 12/3/2025 11:18:23 AM

JOB DESCRIPTION

Waukegan CCR

JOB NUMBER

500-278090-1

Eurofins Chicago

Job Notes

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Authorization



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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	19
QC Association	20
QC Sample Results	25
Chain of Custody	31
Receipt Checklists	37
Chronicle	38
Certification Summary	43

Case Narrative

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

Job ID: 500-278090-1

Job ID: 500-278090-1

Eurofins Chicago

Job Narrative 500-278090-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/18/2025 9:00 AM, 11/19/2025 9:15 AM and 11/20/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 0.5°C and 2.6°C.

Metals

Method 6020B - Total Recoverable: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 (500-278090-6), MW-07 (500-278090-9), MW-05 (500-278090-10) and MW-16 (500-278090-12). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

Field Service / Mobile Lab

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

Eurofins Chicago

Method Summary

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

Job ID: 500-278090-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

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

Job ID: 500-278090-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-278090-1	MW-01	Water	11/17/25 11:33	11/18/25 09:00	Illinois
500-278090-2	MW-02	Water	11/17/25 12:37	11/18/25 09:00	Illinois
500-278090-3	MW-03	Water	11/17/25 14:01	11/18/25 09:00	Illinois
500-278090-4	MW-04	Water	11/17/25 15:21	11/18/25 09:00	Illinois
500-278090-5	MW-09	Water	11/18/25 12:30	11/19/25 09:15	Illinois
500-278090-6	MW-11	Water	11/18/25 09:43	11/19/25 09:15	Illinois
500-278090-7	MW-14	Water	11/18/25 10:50	11/19/25 09:15	Illinois
500-278090-8	Duplicate	Water	11/18/25 00:00	11/19/25 09:15	Illinois
500-278090-9	MW-07	Water	11/19/25 12:25	11/20/25 09:20	Illinois
500-278090-10	MW-05	Water	11/19/25 10:44	11/20/25 09:20	Illinois
500-278090-11	MW-06	Water	11/19/25 13:45	11/20/25 09:20	Illinois
500-278090-12	MW-16	Water	11/19/25 11:40	11/20/25 09:20	Illinois



Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Arsenic	19		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Barium	29		2.5		ug/L		11/21/25 09:06	11/25/25 14:34	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Boron	2200		50		ug/L		11/21/25 09:06	12/02/25 12:48	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:34	1
Calcium	45		0.20		mg/L		11/21/25 09:06	11/25/25 14:34	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:34	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:34	1
Molybdenum	29		5.0		ug/L		11/21/25 09:06	11/25/25 14:34	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:34	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	390		10		mg/L			11/21/25 08:53	1
Chloride (SM 4500 Cl- E)	72		4.0		mg/L			11/19/25 14:00	2
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			11/24/25 19:01	1
Sulfate (SM 4500 SO4 E)	150		25		mg/L			11/23/25 12:09	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.78				SU			11/17/25 11:33	1
Field Temperature	56.8				Degrees F			11/17/25 11:33	1
Groundwater Elevation	580.48				ft			11/17/25 11:33	1
Oxidation Reduction Potential	78.9				millivolts			11/17/25 11:33	1
Oxygen, Dissolved	0.40				mg/L			11/17/25 11:33	1
Specific Conductance	0.697				mS/cm			11/17/25 11:33	1
Turbidity	8.26				NTU			11/17/25 11:33	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Arsenic	9.5		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Barium	10		2.5		ug/L		11/21/25 09:06	11/25/25 14:45	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Boron	2900		50		ug/L		11/21/25 09:06	12/01/25 14:30	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:45	1
Calcium	33		0.20		mg/L		11/21/25 09:06	11/25/25 14:45	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:45	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:45	1
Molybdenum	41		5.0		ug/L		11/21/25 09:06	11/25/25 14:45	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:45	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	370		10		mg/L			11/21/25 08:55	1
Chloride (SM 4500 Cl- E)	82		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.68		0.10		mg/L			11/24/25 19:09	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			11/23/25 12:09	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.34				SU			11/17/25 12:37	1
Field Temperature	56.3				Degrees F			11/17/25 12:37	1
Groundwater Elevation	580.43				ft			11/17/25 12:37	1
Oxidation Reduction Potential	-49.1				millivolts			11/17/25 12:37	1
Oxygen, Dissolved	0.30				mg/L			11/17/25 12:37	1
Specific Conductance	0.686				mS/cm			11/17/25 12:37	1
Turbidity	9.91				NTU			11/17/25 12:37	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Arsenic	18		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Barium	5.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:48	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Boron	2300		50		ug/L		11/21/25 09:06	12/01/25 14:32	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:48	1
Calcium	38		0.20		mg/L		11/21/25 09:06	11/25/25 14:48	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:48	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:48	1
Molybdenum	45		5.0		ug/L		11/21/25 09:06	11/25/25 14:48	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:48	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	400		10		mg/L			11/21/25 08:58	1
Chloride (SM 4500 Cl- E)	77		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.35		0.10		mg/L			11/24/25 19:10	1
Sulfate (SM 4500 SO4 E)	160		25		mg/L			11/23/25 12:10	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	9.60				SU			11/17/25 14:01	1
Field Temperature	56.3				Degrees F			11/17/25 14:01	1
Groundwater Elevation	580.35				ft			11/17/25 14:01	1
Oxidation Reduction Potential	-83.6				millivolts			11/17/25 14:01	1
Oxygen, Dissolved	0.30				mg/L			11/17/25 14:01	1
Specific Conductance	0.697				mS/cm			11/17/25 14:01	1
Turbidity	11.29				NTU			11/17/25 14:01	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Arsenic	12		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Barium	8.1		2.5		ug/L		11/21/25 09:06	11/25/25 14:50	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Boron	3000		50		ug/L		11/21/25 09:06	12/01/25 14:35	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:50	1
Calcium	18		0.20		mg/L		11/21/25 09:06	11/25/25 14:50	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Lead	0.96		0.50		ug/L		11/21/25 09:06	11/25/25 14:50	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:50	1
Molybdenum	99		5.0		ug/L		11/21/25 09:06	11/25/25 14:50	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:50	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	450		10		mg/L			11/21/25 09:00	1
Chloride (SM 4500 Cl- E)	79		4.0		mg/L			11/19/25 14:01	2
Fluoride (SM 4500 F C)	0.83		0.10		mg/L			11/24/25 19:14	1
Sulfate (SM 4500 SO4 E)	180		25		mg/L			11/23/25 12:10	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.71				SU			11/17/25 15:21	1
Field Temperature	55.8				Degrees F			11/17/25 15:21	1
Groundwater Elevation	579.97				ft			11/17/25 15:21	1
Oxidation Reduction Potential	-184.8				millivolts			11/17/25 15:21	1
Oxygen, Dissolved	0.25				mg/L			11/17/25 15:21	1
Specific Conductance	0.745				mS/cm			11/17/25 15:21	1
Turbidity	10.82				NTU			11/17/25 15:21	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Arsenic	26		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Barium	97		2.5		ug/L		11/21/25 09:06	11/25/25 14:57	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Boron	2800		50		ug/L		11/21/25 09:06	12/01/25 14:37	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:57	1
Calcium	110		0.20		mg/L		11/21/25 09:06	11/25/25 14:57	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:57	1
Lithium	54		10		ug/L		11/21/25 09:06	11/25/25 14:57	1
Molybdenum	20		5.0		ug/L		11/21/25 09:06	11/25/25 14:57	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:57	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	680		10		mg/L			11/21/25 09:03	1
Chloride (SM 4500 Cl- E)	150		10		mg/L			11/20/25 14:40	5
Fluoride (SM 4500 F C)	0.24		0.10		mg/L			11/24/25 19:25	1
Sulfate (SM 4500 SO4 E)	70		10		mg/L			11/23/25 12:10	2

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.12				SU			11/18/25 12:30	1
Field Temperature	55.4				Degrees F			11/18/25 12:30	1
Groundwater Elevation	582.77				ft			11/18/25 12:30	1
Oxidation Reduction Potential	-124.7				millivolts			11/18/25 12:30	1
Oxygen, Dissolved	0.24				mg/L			11/18/25 12:30	1
Specific Conductance	1.184				mS/cm			11/18/25 12:30	1
Turbidity	41.56				NTU			11/18/25 12:30	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Arsenic	12000		10		ug/L		11/21/25 09:06	12/01/25 14:42	10
Barium	180		2.5		ug/L		11/21/25 09:06	11/25/25 14:59	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Boron	1700		50		ug/L		11/21/25 09:06	12/01/25 14:40	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:59	1
Calcium	150		0.20		mg/L		11/21/25 09:06	11/25/25 14:59	1
Chromium	19		5.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Lead	0.58		0.50		ug/L		11/21/25 09:06	11/25/25 14:59	1
Lithium	37		10		ug/L		11/21/25 09:06	11/25/25 14:59	1
Molybdenum	5.4		5.0		ug/L		11/21/25 09:06	11/25/25 14:59	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:59	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	660		10		mg/L			11/21/25 09:06	1
Chloride (SM 4500 Cl- E)	98		10		mg/L			11/20/25 14:40	5
Fluoride (SM 4500 F C)	0.20		0.10		mg/L			11/24/25 19:29	1
Sulfate (SM 4500 SO4 E)	44		5.0		mg/L			11/23/25 11:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.95				SU			11/18/25 09:43	1
Field Temperature	57.0				Degrees F			11/18/25 09:43	1
Groundwater Elevation	583.82				ft			11/18/25 09:43	1
Oxidation Reduction Potential	-122.1				millivolts			11/18/25 09:43	1
Oxygen, Dissolved	0.24				mg/L			11/18/25 09:43	1
Specific Conductance	1.251				mS/cm			11/18/25 09:43	1
Turbidity	657.17				NTU			11/18/25 09:43	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Arsenic	2100		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Barium	51		2.5		ug/L		11/21/25 09:06	11/25/25 15:01	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Boron	680		50		ug/L		11/21/25 09:06	12/01/25 14:44	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:01	1
Calcium	150		0.20		mg/L		11/21/25 09:06	11/25/25 15:01	1
Chromium	32		5.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:01	1
Lithium	21		10		ug/L		11/21/25 09:06	11/25/25 15:01	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:01	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:01	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		10		mg/L			11/21/25 09:08	1
Chloride (SM 4500 Cl- E)	32		2.0		mg/L			11/20/25 14:24	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			11/24/25 19:33	1
Sulfate (SM 4500 SO4 E)	15		5.0		mg/L			11/23/25 11:50	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.89				SU			11/18/25 10:50	1
Field Temperature	54.7				Degrees F			11/18/25 10:50	1
Groundwater Elevation	584.10				ft			11/18/25 10:50	1
Oxidation Reduction Potential	-115.3				millivolts			11/18/25 10:50	1
Oxygen, Dissolved	0.18				mg/L			11/18/25 10:50	1
Specific Conductance	1.116				mS/cm			11/18/25 10:50	1
Turbidity	44.80				NTU			11/18/25 10:50	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Arsenic	2000		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Barium	50		2.5		ug/L		11/21/25 09:06	11/25/25 15:03	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Boron	670		50		ug/L		11/21/25 09:06	12/01/25 14:47	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:03	1
Calcium	140		0.20		mg/L		11/21/25 09:06	11/25/25 15:03	1
Chromium	27		5.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:03	1
Lithium	20		10		ug/L		11/21/25 09:06	11/25/25 15:03	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:03	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:03	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	630		10		mg/L			11/21/25 09:11	1
Chloride (SM 4500 Cl- E)	33		2.0		mg/L			11/20/25 14:24	1
Fluoride (SM 4500 F C)	0.22		0.10		mg/L			11/24/25 19:37	1
Sulfate (SM 4500 SO4 E)	15		5.0		mg/L			11/23/25 11:50	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Arsenic	7.5		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Barium	52		2.5		ug/L		11/21/25 09:06	11/25/25 15:05	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Boron	34000		1000		ug/L		11/21/25 09:06	12/01/25 14:49	20
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:05	1
Calcium	390		4.0		mg/L		11/21/25 09:06	12/01/25 14:49	20
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:05	1
Lithium	150		10		ug/L		11/21/25 09:06	11/25/25 15:05	1
Molybdenum	170		5.0		ug/L		11/21/25 09:06	11/25/25 15:05	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:05	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		10		mg/L			11/25/25 05:34	1
Chloride (SM 4500 Cl- E)	36		2.0		mg/L			11/23/25 09:38	1
Fluoride (SM 4500 F C)	0.33		0.10		mg/L			11/24/25 19:41	1
Sulfate (SM 4500 SO4 E)	670		100		mg/L			11/23/25 13:12	20

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.02				SU			11/19/25 12:25	1
Field Temperature	54.1				Degrees F			11/19/25 12:25	1
Groundwater Elevation	579.69				ft			11/19/25 12:25	1
Oxidation Reduction Potential	-129.9				millivolts			11/19/25 12:25	1
Oxygen, Dissolved	0.32				mg/L			11/19/25 12:25	1
Specific Conductance	1.826				mS/cm			11/19/25 12:25	1
Turbidity	28.89				NTU			11/19/25 12:25	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Arsenic	26		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Barium	35		2.5		ug/L		11/21/25 09:06	11/25/25 15:17	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Boron	18000		500		ug/L		11/21/25 09:06	12/01/25 14:52	10
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:17	1
Calcium	280		2.0		mg/L		11/21/25 09:06	12/01/25 14:52	10
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:17	1
Lithium	100		10		ug/L		11/21/25 09:06	11/25/25 15:17	1
Molybdenum	120		5.0		ug/L		11/21/25 09:06	11/25/25 15:17	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:17	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/25/25 05:41	1
Chloride (SM 4500 Cl- E)	48		4.0		mg/L			11/23/25 10:00	2
Fluoride (SM 4500 F C)	0.27		0.10		mg/L			11/24/25 19:45	1
Sulfate (SM 4500 SO4 E)	420		50		mg/L			11/23/25 12:11	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			11/19/25 10:44	1
Field Temperature	54.0				Degrees F			11/19/25 10:44	1
Groundwater Elevation	581.09				ft			11/19/25 10:44	1
Oxidation Reduction Potential	-111.5				millivolts			11/19/25 10:44	1
Oxygen, Dissolved	0.32				mg/L			11/19/25 10:44	1
Specific Conductance	1.432				mS/cm			11/19/25 10:44	1
Turbidity	29.94				NTU			11/19/25 10:44	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Arsenic	1.7		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Barium	95		2.5		ug/L		11/21/25 09:06	11/25/25 15:26	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Boron	960		50		ug/L		11/21/25 09:06	12/01/25 15:04	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:26	1
Calcium	98		0.20		mg/L		11/21/25 09:06	11/25/25 15:26	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:26	1
Lithium	54		10		ug/L		11/21/25 09:06	11/25/25 15:26	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:26	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:26	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	490		10		mg/L			11/25/25 05:47	1
Chloride (SM 4500 Cl- E)	34		2.0		mg/L			11/23/25 09:38	1
Fluoride (SM 4500 F C)	0.29		0.10		mg/L			11/24/25 19:49	1
Sulfate (SM 4500 SO4 E)	32		5.0		mg/L			11/23/25 11:51	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.19				SU			11/19/25 13:45	1
Field Temperature	55.2				Degrees F			11/19/25 13:45	1
Groundwater Elevation	581.53				ft			11/19/25 13:45	1
Oxidation Reduction Potential	-125.0				millivolts			11/19/25 13:45	1
Oxygen, Dissolved	0.28				mg/L			11/19/25 13:45	1
Specific Conductance	0.802				mS/cm			11/19/25 13:45	1
Turbidity	23.34				NTU			11/19/25 13:45	1

Client Sample Results

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

Job ID: 500-278090-1

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Arsenic	1.4		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Barium	50		2.5		ug/L		11/21/25 09:06	11/25/25 15:28	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Boron	8200		250		ug/L		11/21/25 09:06	12/01/25 15:07	5
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:28	1
Calcium	210		0.20		mg/L		11/21/25 09:06	11/25/25 15:28	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Cobalt	1.7		1.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 15:28	1
Lithium	21		10		ug/L		11/21/25 09:06	11/25/25 15:28	1
Molybdenum	14		5.0		ug/L		11/21/25 09:06	11/25/25 15:28	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 15:28	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 15:28	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 08:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			11/25/25 05:49	1
Chloride (SM 4500 Cl- E)	100		10		mg/L			11/23/25 10:00	5
Fluoride (SM 4500 F C)	0.44		0.10		mg/L			11/24/25 19:52	1
Sulfate (SM 4500 SO4 E)	480		50		mg/L			11/23/25 12:11	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.92				SU			11/19/25 11:40	1
Field Temperature	56.1				Degrees F			11/19/25 11:40	1
Groundwater Elevation	579.05				ft			11/19/25 11:40	1
Oxidation Reduction Potential	-32.7				millivolts			11/19/25 11:40	1
Oxygen, Dissolved	0.30				mg/L			11/19/25 11:40	1
Specific Conductance	1.564				mS/cm			11/19/25 11:40	1
Turbidity	29.12				NTU			11/19/25 11:40	1

Definitions/Glossary

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

Job ID: 500-278090-1

Qualifiers

Metals

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

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: Waukegan CCR

Job ID: 500-278090-1

Metals

Prep Batch: 844341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	3005A	
500-278090-2	MW-02	Total Recoverable	Water	3005A	
500-278090-3	MW-03	Total Recoverable	Water	3005A	
500-278090-4	MW-04	Total Recoverable	Water	3005A	
500-278090-5	MW-09	Total Recoverable	Water	3005A	
500-278090-6	MW-11	Total Recoverable	Water	3005A	
500-278090-7	MW-14	Total Recoverable	Water	3005A	
500-278090-8	Duplicate	Total Recoverable	Water	3005A	
500-278090-9	MW-07	Total Recoverable	Water	3005A	
500-278090-10	MW-05	Total Recoverable	Water	3005A	
500-278090-11	MW-06	Total Recoverable	Water	3005A	
500-278090-12	MW-16	Total Recoverable	Water	3005A	
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-278090-1 MS	MW-01	Total Recoverable	Water	3005A	
500-278090-1 MSD	MW-01	Total Recoverable	Water	3005A	
500-278090-1 DU	MW-01	Total Recoverable	Water	3005A	

Analysis Batch: 844913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	6020B	844341
500-278090-2	MW-02	Total Recoverable	Water	6020B	844341
500-278090-3	MW-03	Total Recoverable	Water	6020B	844341
500-278090-4	MW-04	Total Recoverable	Water	6020B	844341
500-278090-5	MW-09	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-7	MW-14	Total Recoverable	Water	6020B	844341
500-278090-8	Duplicate	Total Recoverable	Water	6020B	844341
500-278090-9	MW-07	Total Recoverable	Water	6020B	844341
500-278090-10	MW-05	Total Recoverable	Water	6020B	844341
500-278090-11	MW-06	Total Recoverable	Water	6020B	844341
500-278090-12	MW-16	Total Recoverable	Water	6020B	844341
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	6020B	844341
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	6020B	844341
500-278090-1 MS	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 MSD	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 DU	MW-01	Total Recoverable	Water	6020B	844341

Prep Batch: 845226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	7470A	
500-278090-2	MW-02	Total/NA	Water	7470A	
500-278090-3	MW-03	Total/NA	Water	7470A	
500-278090-4	MW-04	Total/NA	Water	7470A	
500-278090-5	MW-09	Total/NA	Water	7470A	
500-278090-6	MW-11	Total/NA	Water	7470A	
500-278090-7	MW-14	Total/NA	Water	7470A	
500-278090-8	Duplicate	Total/NA	Water	7470A	
500-278090-9	MW-07	Total/NA	Water	7470A	
500-278090-10	MW-05	Total/NA	Water	7470A	
500-278090-11	MW-06	Total/NA	Water	7470A	

Eurofins Chicago

QC Association Summary

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

Job ID: 500-278090-1

Metals (Continued)

Prep Batch: 845226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	7470A	
MB 500-845226/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-845226/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-278090-9 MS	MW-07	Total/NA	Water	7470A	
500-278090-9 MSD	MW-07	Total/NA	Water	7470A	
500-278090-9 DU	MW-07	Total/NA	Water	7470A	

Analysis Batch: 845375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-2	MW-02	Total Recoverable	Water	6020B	844341
500-278090-3	MW-03	Total Recoverable	Water	6020B	844341
500-278090-4	MW-04	Total Recoverable	Water	6020B	844341
500-278090-5	MW-09	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-6	MW-11	Total Recoverable	Water	6020B	844341
500-278090-7	MW-14	Total Recoverable	Water	6020B	844341
500-278090-8	Duplicate	Total Recoverable	Water	6020B	844341
500-278090-9	MW-07	Total Recoverable	Water	6020B	844341
500-278090-10	MW-05	Total Recoverable	Water	6020B	844341
500-278090-11	MW-06	Total Recoverable	Water	6020B	844341
500-278090-12	MW-16	Total Recoverable	Water	6020B	844341

Analysis Batch: 845431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	7470A	845226
500-278090-2	MW-02	Total/NA	Water	7470A	845226
500-278090-3	MW-03	Total/NA	Water	7470A	845226
500-278090-4	MW-04	Total/NA	Water	7470A	845226
500-278090-5	MW-09	Total/NA	Water	7470A	845226
500-278090-6	MW-11	Total/NA	Water	7470A	845226
500-278090-7	MW-14	Total/NA	Water	7470A	845226
500-278090-8	Duplicate	Total/NA	Water	7470A	845226
500-278090-9	MW-07	Total/NA	Water	7470A	845226
500-278090-10	MW-05	Total/NA	Water	7470A	845226
500-278090-11	MW-06	Total/NA	Water	7470A	845226
500-278090-12	MW-16	Total/NA	Water	7470A	845226
MB 500-845226/12-A	Method Blank	Total/NA	Water	7470A	845226
LCS 500-845226/13-A	Lab Control Sample	Total/NA	Water	7470A	845226
500-278090-9 MS	MW-07	Total/NA	Water	7470A	845226
500-278090-9 MSD	MW-07	Total/NA	Water	7470A	845226
500-278090-9 DU	MW-07	Total/NA	Water	7470A	845226

Analysis Batch: 845457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total Recoverable	Water	6020B	844341
MB 500-844341/1-A	Method Blank	Total Recoverable	Water	6020B	844341
LCS 500-844341/2-A	Lab Control Sample	Total Recoverable	Water	6020B	844341
500-278090-1 MS	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 MSD	MW-01	Total Recoverable	Water	6020B	844341
500-278090-1 DU	MW-01	Total Recoverable	Water	6020B	844341

QC Association Summary

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

Job ID: 500-278090-1

General Chemistry

Analysis Batch: 844005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-278090-2	MW-02	Total/NA	Water	SM 4500 CI- E	
500-278090-3	MW-03	Total/NA	Water	SM 4500 CI- E	
500-278090-4	MW-04	Total/NA	Water	SM 4500 CI- E	
MB 500-844005/71	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-844005/72	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 844227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-5	MW-09	Total/NA	Water	SM 4500 CI- E	
500-278090-6	MW-11	Total/NA	Water	SM 4500 CI- E	
500-278090-7	MW-14	Total/NA	Water	SM 4500 CI- E	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 CI- E	
MB 500-844227/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-844227/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 844391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 2540C	
500-278090-2	MW-02	Total/NA	Water	SM 2540C	
500-278090-3	MW-03	Total/NA	Water	SM 2540C	
500-278090-4	MW-04	Total/NA	Water	SM 2540C	
500-278090-5	MW-09	Total/NA	Water	SM 2540C	
500-278090-6	MW-11	Total/NA	Water	SM 2540C	
500-278090-7	MW-14	Total/NA	Water	SM 2540C	
500-278090-8	Duplicate	Total/NA	Water	SM 2540C	
MB 500-844391/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-844391/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 844504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	SM 4500 CI- E	
500-278090-10	MW-05	Total/NA	Water	SM 4500 CI- E	
500-278090-11	MW-06	Total/NA	Water	SM 4500 CI- E	
500-278090-12	MW-16	Total/NA	Water	SM 4500 CI- E	
MB 500-844504/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-844504/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 844529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-278090-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-278090-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-278090-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-278090-5	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-278090-6	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-278090-7	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-278090-9	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-278090-10	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-278090-11	MW-06	Total/NA	Water	SM 4500 SO4 E	

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QC Association Summary

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

Job ID: 500-278090-1

General Chemistry (Continued)

Analysis Batch: 844529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	SM 4500 SO4 E	
MB 500-844529/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-844529/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 844733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	SM 2540C	
500-278090-10	MW-05	Total/NA	Water	SM 2540C	
500-278090-11	MW-06	Total/NA	Water	SM 2540C	
500-278090-12	MW-16	Total/NA	Water	SM 2540C	
MB 500-844733/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-844733/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-278090-9 MS	MW-07	Total/NA	Water	SM 2540C	
500-278090-9 DU	MW-07	Total/NA	Water	SM 2540C	
500-278090-10 DU	MW-05	Total/NA	Water	SM 2540C	

Analysis Batch: 844763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	SM 4500 F C	
500-278090-2	MW-02	Total/NA	Water	SM 4500 F C	
500-278090-3	MW-03	Total/NA	Water	SM 4500 F C	
500-278090-4	MW-04	Total/NA	Water	SM 4500 F C	
500-278090-5	MW-09	Total/NA	Water	SM 4500 F C	
500-278090-6	MW-11	Total/NA	Water	SM 4500 F C	
500-278090-7	MW-14	Total/NA	Water	SM 4500 F C	
500-278090-8	Duplicate	Total/NA	Water	SM 4500 F C	
500-278090-9	MW-07	Total/NA	Water	SM 4500 F C	
500-278090-10	MW-05	Total/NA	Water	SM 4500 F C	
500-278090-11	MW-06	Total/NA	Water	SM 4500 F C	
500-278090-12	MW-16	Total/NA	Water	SM 4500 F C	
MB 500-844763/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-844763/62	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-278090-1 MS	MW-01	Total/NA	Water	SM 4500 F C	
500-278090-1 MSD	MW-01	Total/NA	Water	SM 4500 F C	

Analysis Batch: 844811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-844811/9	Method Blank	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 844826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	Field Sampling	
500-278090-2	MW-02	Total/NA	Water	Field Sampling	
500-278090-3	MW-03	Total/NA	Water	Field Sampling	
500-278090-4	MW-04	Total/NA	Water	Field Sampling	
500-278090-5	MW-09	Total/NA	Water	Field Sampling	
500-278090-6	MW-11	Total/NA	Water	Field Sampling	
500-278090-7	MW-14	Total/NA	Water	Field Sampling	
500-278090-9	MW-07	Total/NA	Water	Field Sampling	

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QC Association Summary

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

Job ID: 500-278090-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 844826 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-10	MW-05	Total/NA	Water	Field Sampling	
500-278090-11	MW-06	Total/NA	Water	Field Sampling	
500-278090-12	MW-16	Total/NA	Water	Field Sampling	

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

QC Sample Results

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

Job ID: 500-278090-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-844341/1-A
Matrix: Water
Analysis Batch: 844913

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<3.0		3.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Arsenic	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Barium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:30	1
Beryllium	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Cadmium	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:30	1
Calcium	<0.20		0.20		mg/L		11/21/25 09:06	11/25/25 14:30	1
Chromium	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Cobalt	<1.0		1.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Lead	<0.50		0.50		ug/L		11/21/25 09:06	11/25/25 14:30	1
Lithium	<10		10		ug/L		11/21/25 09:06	11/25/25 14:30	1
Molybdenum	<5.0		5.0		ug/L		11/21/25 09:06	11/25/25 14:30	1
Selenium	<2.5		2.5		ug/L		11/21/25 09:06	11/25/25 14:30	1
Thallium	<2.0		2.0		ug/L		11/21/25 09:06	11/25/25 14:30	1

Lab Sample ID: MB 500-844341/1-A
Matrix: Water
Analysis Batch: 845457

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<50		50		ug/L		11/21/25 09:06	12/02/25 12:43	1

Lab Sample ID: LCS 500-844341/2-A
Matrix: Water
Analysis Batch: 844913

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	95.1		ug/L		95	80 - 120
Barium	2000	1980		ug/L		99	80 - 120
Beryllium	50.0	48.0		ug/L		96	80 - 120
Cadmium	50.0	48.5		ug/L		97	80 - 120
Calcium	10.0	9.26		mg/L		93	80 - 120
Chromium	200	191		ug/L		95	80 - 120
Cobalt	500	495		ug/L		99	80 - 120
Lead	100	98.5		ug/L		99	80 - 120
Lithium	500	474		ug/L		95	80 - 120
Molybdenum	1000	929		ug/L		93	80 - 120
Selenium	100	96.5		ug/L		96	80 - 120
Thallium	100	101		ug/L		101	80 - 120

Lab Sample ID: LCS 500-844341/2-A
Matrix: Water
Analysis Batch: 845457

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

QC Sample Results

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

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-1 MS
Matrix: Water
Analysis Batch: 844913

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	<3.0		500	498		ug/L		100	75 - 125	
Arsenic	19		100	116		ug/L		97	75 - 125	
Barium	29		2000	1970		ug/L		97	75 - 125	
Beryllium	<1.0		50.0	47.0		ug/L		94	75 - 125	
Cadmium	<0.50		50.0	48.3		ug/L		97	75 - 125	
Calcium	45		10.0	53.4	4	mg/L		89	75 - 125	
Chromium	<5.0		200	190		ug/L		95	75 - 125	
Cobalt	<1.0		500	489		ug/L		98	75 - 125	
Lead	<0.50		100	96.5		ug/L		97	75 - 125	
Lithium	<10		500	458		ug/L		92	75 - 125	
Molybdenum	29		1000	980		ug/L		95	75 - 125	
Selenium	<2.5		100	96.6		ug/L		97	75 - 125	
Thallium	<2.0		100	98.7		ug/L		99	75 - 125	

Lab Sample ID: 500-278090-1 MS
Matrix: Water
Analysis Batch: 845457

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Boron	2200		1000	3180		ug/L		99	75 - 125	

Lab Sample ID: 500-278090-1 MSD
Matrix: Water
Analysis Batch: 844913

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	<3.0		500	499		ug/L		100	75 - 125	0	20	
Arsenic	19		100	117		ug/L		98	75 - 125	1	20	
Barium	29		2000	1980		ug/L		98	75 - 125	0	20	
Beryllium	<1.0		50.0	47.6		ug/L		95	75 - 125	1	20	
Cadmium	<0.50		50.0	48.5		ug/L		97	75 - 125	0	20	
Calcium	45		10.0	53.4	4	mg/L		89	75 - 125	0	20	
Chromium	<5.0		200	185		ug/L		93	75 - 125	3	20	
Cobalt	<1.0		500	487		ug/L		97	75 - 125	0	20	
Lead	<0.50		100	96.6		ug/L		97	75 - 125	0	20	
Lithium	<10		500	459		ug/L		92	75 - 125	0	20	
Molybdenum	29		1000	984		ug/L		95	75 - 125	0	20	
Selenium	<2.5		100	94.9		ug/L		95	75 - 125	2	20	
Thallium	<2.0		100	98.8		ug/L		99	75 - 125	0	20	

Lab Sample ID: 500-278090-1 MSD
Matrix: Water
Analysis Batch: 845457

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Boron	2200		1000	3190		ug/L		100	75 - 125	0	20	

QC Sample Results

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

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-1 DU
Matrix: Water
Analysis Batch: 844913

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Antimony	<3.0		<3.0		ug/L		NC	20
Arsenic	19		19.0		ug/L		0.9	20
Barium	29		29.6		ug/L		0.8	20
Beryllium	<1.0		<1.0		ug/L		NC	20
Cadmium	<0.50		<0.50		ug/L		NC	20
Calcium	45		45.1		mg/L		1	20
Chromium	<5.0		<5.0		ug/L		NC	20
Cobalt	<1.0		<1.0		ug/L		NC	20
Lead	<0.50		<0.50		ug/L		NC	20
Lithium	<10		<10		ug/L		NC	20
Molybdenum	29		29.0		ug/L		0.2	20
Selenium	<2.5		<2.5		ug/L		NC	20
Thallium	<2.0		<2.0		ug/L		NC	20

Lab Sample ID: 500-278090-1 DU
Matrix: Water
Analysis Batch: 845457

Client Sample ID: MW-01
Prep Type: Total Recoverable
Prep Batch: 844341

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Boron	2200		2210		ug/L		1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-845226/12-A
Matrix: Water
Analysis Batch: 845431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 845226

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.20		0.20		ug/L		12/01/25 10:45	12/02/25 07:43	1

Lab Sample ID: LCS 500-845226/13-A
Matrix: Water
Analysis Batch: 845431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 845226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 500-278090-9 MS
Matrix: Water
Analysis Batch: 845431

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 845226

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Mercury	<0.20		1.00	0.998		ug/L		100	75 - 125

Lab Sample ID: 500-278090-9 MSD
Matrix: Water
Analysis Batch: 845431

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 845226

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Mercury	<0.20		1.00	0.939		ug/L		94	75 - 125	6	20

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QC Sample Results

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

Job ID: 500-278090-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 500-278090-9 DU
Matrix: Water
Analysis Batch: 845431

Client Sample ID: MW-07
Prep Type: Total/NA
Prep Batch: 845226

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.20		<0.20		ug/L		NC	20

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

Lab Sample ID: MB 500-844391/1
Matrix: Water
Analysis Batch: 844391

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			11/21/25 08:17	1

Lab Sample ID: LCS 500-844391/2
Matrix: Water
Analysis Batch: 844391

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

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

Lab Sample ID: MB 500-844733/1
Matrix: Water
Analysis Batch: 844733

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			11/25/25 05:29	1

Lab Sample ID: LCS 500-844733/2
Matrix: Water
Analysis Batch: 844733

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

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

Lab Sample ID: 500-278090-9 MS
Matrix: Water
Analysis Batch: 844733

Client Sample ID: MW-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1600		250	1880	4	mg/L		94	75 - 125

Lab Sample ID: 500-278090-9 DU
Matrix: Water
Analysis Batch: 844733

Client Sample ID: MW-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	1600		1710		mg/L		4	5

QC Sample Results

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

Job ID: 500-278090-1

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

Lab Sample ID: 500-278090-10 DU
Matrix: Water
Analysis Batch: 844733

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	1100		1060		mg/L		4	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-844005/71
Matrix: Water
Analysis Batch: 844005

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			11/19/25 13:35	1

Lab Sample ID: LCS 500-844005/72
Matrix: Water
Analysis Batch: 844005

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.2		mg/L		106	85 - 115

Lab Sample ID: MB 500-844227/16
Matrix: Water
Analysis Batch: 844227

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			11/20/25 14:22	1

Lab Sample ID: LCS 500-844227/17
Matrix: Water
Analysis Batch: 844227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	21.2		mg/L		106	85 - 115

Lab Sample ID: MB 500-844504/16
Matrix: Water
Analysis Batch: 844504

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			11/23/25 09:38	1

Lab Sample ID: LCS 500-844504/17
Matrix: Water
Analysis Batch: 844504

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

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

QC Sample Results

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

Job ID: 500-278090-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-844763/31
Matrix: Water
Analysis Batch: 844763

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			11/24/25 17:07	1

Lab Sample ID: LCS 500-844763/62
Matrix: Water
Analysis Batch: 844763

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.94		mg/L		99	90 - 119

Lab Sample ID: 500-278090-1 MS
Matrix: Water
Analysis Batch: 844763

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
Fluoride	0.33		5.00	5.67		mg/L		107	75 - 125

Lab Sample ID: 500-278090-1 MSD
Matrix: Water
Analysis Batch: 844763

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
Fluoride	0.33		5.00	5.42		mg/L		102	75 - 125	5	20

Lab Sample ID: MB 500-844811/9
Matrix: Water
Analysis Batch: 844811

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			11/25/25 08:42	1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-844529/16
Matrix: Water
Analysis Batch: 844529

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			11/23/25 11:49	1

Lab Sample ID: LCS 500-844529/17
Matrix: Water
Analysis Batch: 844529

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	21.3		mg/L		107	88 - 123

Eurofins Chicago

18410 Crossing Drive Suite E
 Tinley Park, IL 60487
 Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing

Client Information		Sampler <i>Kaelyn Sperte</i>		Lab PM. Nelson, Dirk		Carrier Tracking No(s)		COC No 500-142911-44027 1			
Client Contact: Mitchel Dotan <i>Kaelyn Sperte</i>		Phone: <i>262 278 1621</i>		E-Mail Dirk.Nelson@et.eurofinsus.com		State of Origin <i>IL</i>		Page Page 1 of 2			
Company: KPRG and Associates, Inc.		PWSID.		Analysis Requested						Job #: <i>500-278090</i>	
Address 14665 West Lisbon Road, Suite 1A		Due Date Requested: <i>standard</i>		TAT Requested (days) <i>standard</i>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 4502188389		WO #:	
City Brookfield		Project Name: Waukegan CCR Event Desc: Quarterly Waukegan CCR		Project #: 50011597		SSOW#:		Preservation Codes: D - HNO3 N - None		 Other: 500-278090 COC	
State, Zip: WI, 53005		Site: Illinois		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)			
Phone: 262-781-0475(Tel)		Email <i>mitcheid@kprginc.com kaelyns@kprginc.com</i>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Total Number of containers	
Project Name: Waukegan CCR Event Desc: Quarterly Waukegan CCR		Site: Illinois		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Special Instructions/Note:	
Site: Illinois		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)		Total Number of containers	
MW-01		11/17/25		1133		G		Water		5	
MW-02		11/17/25		1237		G		Water			
MW-03		11/17/25		1401		G		Water			
MW-04		11/17/25		1521		G		Water			
MW-09								Water			
MW-14								Water			
MW-14								Water			
MW-16								Water			
Duplicate								Water			
MW-05								Water			
MW-06								Water			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements.					
Empty Kit Relinquished by:		Date		Time		Method of Shipment:					
Relinquished by: <i>Kaelyn Sperte</i>		Date/Time: <i>11/17/25/1715</i>		Company: <i>KPRG</i>		Received by: <i>FedEx</i>		Date/Time: <i>11/17/25/1715</i>		Company: <i>FedEx</i>	
Relinquished by:		Date/Time:		Company:		Received by: <i>Stephanie Hernandez</i>		Date/Time: <i>11/18/25 0900</i>		Company: <i>ECHA</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks <i>2.8 + 2.4</i>							

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ORIGIN ID: RRLA (262) 202-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F (REAR)

SHIP DATE 10JUN25
ACTWT 50.00 LB MAH
CAD 264302768/CAFE3855

Part # 156698-435 RRB98-EXP 03/26

BROOKFIELD, WI 53005
UNITED STATES US



500-278090 Waybi

TO **SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E**

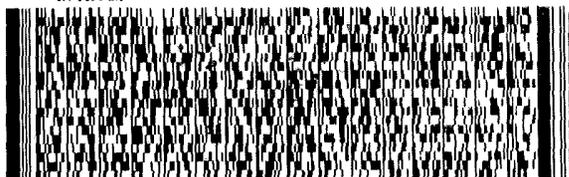
TINLEY PARK IL 60487

(708) 634-6200

REF

DEPT

RMA ||| ||| |||



**FedEx
Express**



**RETURNS MON - SAT
PRIORITY OVERNIGHT**

TRK# 4648 9359 8910
0221

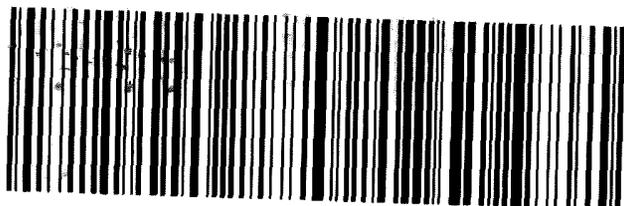
FedEx
TRK# 4648 9359 8910
0221

Handwritten: TUE - 18 NOV 10:30A
PRIORITY OVERNIGHT

79 JOTA

**60487
IL-US ORD**

#156697-435 RRB98-EXP 05/26



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ORIGIN ID RMA (262) 205-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F, REAR)
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10 JUN 25
ACTWGT 50.00 LB MAH
CAD 2643027667CAFE3855

Part # 156698-495 RHDW2 EXP 09/26

TO SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E

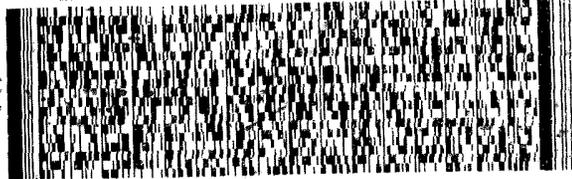
TINLEY PARK IL 60487

(708) 534-5200

REF DEPT

Handwritten signature: 85-70.5

RMA 411 0001 0001



FedEx Express

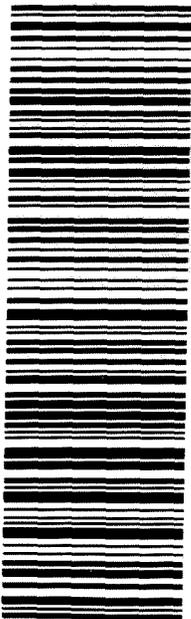


500-278090 Waybi

RETURNS MON - SAT
PRIORITY OVERNIGHT

TRK# 0221 4648 9359 8883

*439588 11/18 58



79 JOTA

IL - US ORD 60487

FedEx
TRK# 0221 4648 9359 8883

WED - 19 NOV 10:30A
PRIORITY OVERNIGHT

4613 WED 11/18/01 4:36:30Z
EUROFINS CHICAGO
18410 CROSSING DR
STE E
TINLEY PARK IL 60487
PRIORITY OVERNIGHT
415-1087FL

SP-PD 100.Y
J0000487004893598833

Part # 156297-435 RHDW2 EXP 05/26
Page 35 of 43

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- 3
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ORIGIN ID: FEPA (262) 278-1621
KPRG AND ASSOCIATES
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

THU 11:20:00 AM
10 CROSSING DR
60487
415-258271
PRIORITY OVERNIGHT
415-258271
3955 4915 3775
3955 4915 3764

TO
EUROFINS
18410 CROSSING DR STE E
TINLEY PARK IL 60487

(708) 534-6200
TNU:
PO:

REF:
DEPT:

500-278090 Waybi



2 of 3
MPS# 0263 3955 4915 3775
Mstr# 3955 4915 3764

THU - 20 NOV 10:30A
PRIORITY OVERNIGHT
AHS
60487
IL-US ORD

79 JOTA

0201

USA



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-1

Login Number: 278090

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,0.5, -0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Lab Chronicle

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

Job ID: 500-278090-1

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:34
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845457	RN	EET CHI	12/02/25 12:48
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:46
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:53
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:01
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:09
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 11:33

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:30
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:45
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:48
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:55
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:09
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:09
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 12:37

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:32
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:48
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:50
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 08:58
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:10

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-278090-1

Client Sample ID: MW-03
Date Collected: 11/17/25 14:01
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 14:01

Client Sample ID: MW-04
Date Collected: 11/17/25 15:21
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:35
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:50
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:52
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:00
Total/NA	Analysis	SM 4500 Cl- E		2	844005	TR	EET CHI	11/19/25 14:01
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:14
Total/NA	Analysis	SM 4500 SO4 E		5	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/17/25 15:21

Client Sample ID: MW-09
Date Collected: 11/18/25 12:30
Date Received: 11/19/25 09:15

Lab Sample ID: 500-278090-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:37
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:57
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:54
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:03
Total/NA	Analysis	SM 4500 Cl- E		5	844227	TR	EET CHI	11/20/25 14:40
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:25
Total/NA	Analysis	SM 4500 SO4 E		2	844529	TR	EET CHI	11/23/25 12:10
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 12:30

Client Sample ID: MW-11
Date Collected: 11/18/25 09:43
Date Received: 11/19/25 09:15

Lab Sample ID: 500-278090-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:40

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-278090-1

Client Sample ID: MW-11
Date Collected: 11/18/25 09:43
Date Received: 11/19/25 09:15

Lab Sample ID: 500-278090-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		10	845375	RN	EET CHI	12/01/25 14:42
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 14:59
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:56
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:06
Total/NA	Analysis	SM 4500 Cl- E		5	844227	TR	EET CHI	11/20/25 14:40
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:29
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 09:43

Client Sample ID: MW-14
Date Collected: 11/18/25 10:50
Date Received: 11/19/25 09:15

Lab Sample ID: 500-278090-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:44
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:01
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 07:58
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:08
Total/NA	Analysis	SM 4500 Cl- E		1	844227	TR	EET CHI	11/20/25 14:24
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:33
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/18/25 10:50

Client Sample ID: Duplicate
Date Collected: 11/18/25 00:00
Date Received: 11/19/25 09:15

Lab Sample ID: 500-278090-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 14:47
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:03
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:04
Total/NA	Analysis	SM 2540C		1	844391	CLB	EET CHI	11/21/25 09:11
Total/NA	Analysis	SM 4500 Cl- E		1	844227	TR	EET CHI	11/20/25 14:24
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:37

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-278090-1

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:50

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		20	845375	RN	EET CHI	12/01/25 14:49
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:05
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:06
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:34
Total/NA	Analysis	SM 4500 CI- E		1	844504	TR	EET CHI	11/23/25 09:38
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:41
Total/NA	Analysis	SM 4500 SO4 E		20	844529	TR	EET CHI	11/23/25 13:12
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 12:25

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		10	845375	RN	EET CHI	12/01/25 14:52
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:17
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:14
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:41
Total/NA	Analysis	SM 4500 CI- E		2	844504	TR	EET CHI	11/23/25 10:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:45
Total/NA	Analysis	SM 4500 SO4 E		10	844529	TR	EET CHI	11/23/25 12:11
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 10:44

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	845375	RN	EET CHI	12/01/25 15:04

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Lab Chronicle

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

Job ID: 500-278090-1

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:26
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:16
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:47
Total/NA	Analysis	SM 4500 Cl- E		1	844504	TR	EET CHI	11/23/25 09:38
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:49
Total/NA	Analysis	SM 4500 SO4 E		1	844529	TR	EET CHI	11/23/25 11:51
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 13:45

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		5	845375	RN	EET CHI	12/01/25 15:07
Total Recoverable	Prep	3005A			844341	BDE	EET CHI	11/21/25 09:06 - 11/21/25 15:06 ¹
Total Recoverable	Analysis	6020B		1	844913	RN	EET CHI	11/25/25 15:28
Total/NA	Prep	7470A			845226	MJG	EET CHI	12/01/25 10:45 - 12/01/25 12:45 ¹
Total/NA	Analysis	7470A		1	845431	MJG	EET CHI	12/02/25 08:18
Total/NA	Analysis	SM 2540C		1	844733	CLB	EET CHI	11/25/25 05:49
Total/NA	Analysis	SM 4500 Cl- E		5	844504	TR	EET CHI	11/23/25 10:00
Total/NA	Analysis	SM 4500 F C		1	844763	AC	EET CHI	11/24/25 19:52
Total/NA	Analysis	SM 4500 SO4 E		10	844529	TR	EET CHI	11/23/25 12:11
Total/NA	Analysis	Field Sampling		1	844826	DN	EET CHI	11/19/25 11:40

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

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

Job ID: 500-278090-1

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	05-31-26

1

2

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10

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13

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/22/25 11:03:36

JOB DESCRIPTION

Waukegan CCR (RAD)

JOB NUMBER

500-278090-2

Eurofins Chicago

Job Notes

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

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Authorization



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12/22/25 11:03:36

Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	19
QC Association	20
QC Sample Results	22
Chain of Custody	26
Receipt Checklists	35
Chronicle	39
Certification Summary	42
Tracer Carrier Summary	43



Case Narrative

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

Job ID: 500-278090-2

Job ID: 500-278090-2

Eurofins Chicago

Job Narrative 500-278090-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/18/2025 9:00 AM, 11/19/2025 9:15 AM and 11/20/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1°C, 0.5°C and 2.6°C.

Gas Flow Proportional Counter

Method 904.0: Radium-228 Prep Batch 160-746326:

The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences (discoloration and/or particulates noted by the prep analyst): MW-11 (500-278090-6) and MW-14 (500-278090-7). Analytical results are reported with the detection limit achieved.

Method 904.0: Radium-228 batch 160-746723:

The LCS recovered at (132%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68%-154%) per method requirements. The LCS passes, no further action is required. (LCS 160-746723/2-A)

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

Rad

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: Waukegan CCR (RAD)

Job ID: 500-278090-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

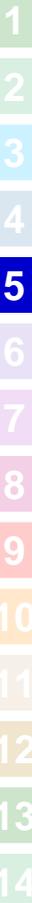


Sample Summary

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

Job ID: 500-278090-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-278090-1	MW-01	Water	11/17/25 11:33	11/18/25 09:00	Illinois
500-278090-2	MW-02	Water	11/17/25 12:37	11/18/25 09:00	Illinois
500-278090-3	MW-03	Water	11/17/25 14:01	11/18/25 09:00	Illinois
500-278090-4	MW-04	Water	11/17/25 15:21	11/18/25 09:00	Illinois
500-278090-5	MW-09	Water	11/18/25 12:30	11/19/25 09:15	Illinois
500-278090-6	MW-11	Water	11/18/25 09:43	11/19/25 09:15	Illinois
500-278090-7	MW-14	Water	11/18/25 10:50	11/19/25 09:15	Illinois
500-278090-8	Duplicate	Water	11/18/25 00:00	11/19/25 09:15	Illinois
500-278090-9	MW-07	Water	11/19/25 12:25	11/20/25 09:20	Illinois
500-278090-10	MW-05	Water	11/19/25 10:44	11/20/25 09:20	Illinois
500-278090-11	MW-06	Water	11/19/25 13:45	11/20/25 09:20	Illinois
500-278090-12	MW-16	Water	11/19/25 11:40	11/20/25 09:20	Illinois



Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-01

Lab Sample ID: 500-278090-1

Date Collected: 11/17/25 11:33

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.462	U	0.273	0.274	1.00	0.462	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.0		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.949		0.504	0.511	1.00	0.706	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.0		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.5		30 - 110					11/21/25 08:18	12/16/25 10:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.15		0.573	0.580	5.00	0.706	pCi/L		12/18/25 13:29	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-02

Lab Sample ID: 500-278090-2

Date Collected: 11/17/25 12:37

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.440	U	0.273	0.274	1.00	0.440	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.818		0.505	0.511	1.00	0.748	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.07		0.574	0.580	5.00	0.748	pCi/L		12/18/25 13:29	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-03

Lab Sample ID: 500-278090-3

Date Collected: 11/17/25 14:01

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.407	U	0.216	0.216	1.00	0.407	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.497	0.509	1.00	0.641	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	77.8		30 - 110					11/21/25 08:18	12/16/25 10:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.22		0.542	0.553	5.00	0.641	pCi/L		12/18/25 13:29	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-04

Lab Sample ID: 500-278090-4

Date Collected: 11/17/25 15:21

Matrix: Water

Date Received: 11/18/25 09:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.372	U	0.229	0.230	1.00	0.372	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	<0.732	U	0.487	0.491	1.00	0.732	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	76.3		30 - 110					11/21/25 08:18	12/16/25 10:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.889		0.538	0.542	5.00	0.732	pCi/L		12/18/25 13:29	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.248	0.250	1.00	0.343	pCi/L	11/21/25 08:08	12/16/25 15:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					11/21/25 08:08	12/16/25 15:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	13.1		1.27	1.74	1.00	0.822	pCi/L	11/21/25 08:18	12/16/25 10:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					11/21/25 08:18	12/16/25 10:04	1
Y Carrier	78.9		30 - 110					11/21/25 08:18	12/16/25 10:04	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.4		1.29	1.76	5.00	0.822	pCi/L		12/18/25 13:30	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.98		0.680	0.703	1.00	0.642	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.93	G	1.81	1.98	1.00	1.82	pCi/L	11/21/25 07:56	12/15/25 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.8		30 - 110					11/21/25 07:56	12/15/25 12:18	1
Y Carrier	76.3		30 - 110					11/21/25 07:56	12/15/25 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	10.9		1.93	2.10	5.00	1.82	pCi/L		12/18/25 13:30	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.463	U	0.284	0.285	1.00	0.463	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.7		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.85	G	0.920	0.935	1.00	1.31	pCi/L	11/21/25 07:56	12/15/25 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.7		30 - 110					11/21/25 07:56	12/15/25 12:18	1
Y Carrier	75.9		30 - 110					11/21/25 07:56	12/15/25 12:18	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.09		0.963	0.977	5.00	1.31	pCi/L		12/18/25 13:30	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.423	U	0.262	0.263	1.00	0.423	pCi/L	11/21/25 07:52	12/15/25 21:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/21/25 07:52	12/15/25 21:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.14		0.628	0.637	1.00	0.892	pCi/L	11/21/25 07:56	12/15/25 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.3		30 - 110					11/21/25 07:56	12/15/25 12:19	1
Y Carrier	78.5		30 - 110					11/21/25 07:56	12/15/25 12:19	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.37		0.680	0.689	5.00	0.892	pCi/L		12/18/25 13:30	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.607		0.289	0.294	1.00	0.358	pCi/L	11/24/25 07:56	12/18/25 23:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/24/25 07:56	12/18/25 23:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.35		0.562	0.576	1.00	0.763	pCi/L	11/24/25 08:00	12/18/25 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/24/25 08:00	12/18/25 11:42	1
Y Carrier	80.0		30 - 110					11/24/25 08:00	12/18/25 11:42	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.96		0.632	0.647	5.00	0.763	pCi/L		12/19/25 17:54	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.375	U	0.225	0.225	1.00	0.375	pCi/L	11/24/25 07:56	12/18/25 23:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/24/25 07:56	12/18/25 23:53	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.21		0.583	0.594	1.00	0.813	pCi/L	11/24/25 08:00	12/18/25 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.5		30 - 110					11/24/25 08:00	12/18/25 11:41	1
Y Carrier	77.0		30 - 110					11/24/25 08:00	12/18/25 11:41	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.38		0.625	0.635	5.00	0.813	pCi/L		12/19/25 17:54	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.264	U	0.143	0.143	1.00	0.264	pCi/L	11/24/25 08:20	12/18/25 09:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/24/25 08:20	12/18/25 09:33	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.891		0.456	0.463	1.00	0.644	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	78.9		30 - 110					11/24/25 08:23	12/17/25 11:51	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.951		0.478	0.485	5.00	0.644	pCi/L		12/19/25 17:55	1

Client Sample Results

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

Job ID: 500-278090-2

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	<0.252	U	0.159	0.159	1.00	0.252	pCi/L	11/24/25 08:20	12/18/25 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/24/25 08:20	12/18/25 09:34	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.738		0.377	0.383	1.00	0.525	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	83.4		30 - 110					11/24/25 08:23	12/17/25 11:51	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.886		0.409	0.415	5.00	0.525	pCi/L		12/19/25 17:55	1

Definitions/Glossary

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

Job ID: 500-278090-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Waukegan CCR (RAD)

Job ID: 500-278090-2

Rad

Prep Batch: 746325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-6	MW-11	Total/NA	Water	PrecSep-21	
500-278090-7	MW-14	Total/NA	Water	PrecSep-21	
500-278090-8	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-746325/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746325/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-6	MW-11	Total/NA	Water	PrecSep_0	
500-278090-7	MW-14	Total/NA	Water	PrecSep_0	
500-278090-8	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-746326/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746326/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	PrecSep-21	
500-278090-2	MW-02	Total/NA	Water	PrecSep-21	
500-278090-3	MW-03	Total/NA	Water	PrecSep-21	
500-278090-4	MW-04	Total/NA	Water	PrecSep-21	
500-278090-5	MW-09	Total/NA	Water	PrecSep-21	
MB 160-746335/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746335/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-1	MW-01	Total/NA	Water	PrecSep_0	
500-278090-2	MW-02	Total/NA	Water	PrecSep_0	
500-278090-3	MW-03	Total/NA	Water	PrecSep_0	
500-278090-4	MW-04	Total/NA	Water	PrecSep_0	
500-278090-5	MW-09	Total/NA	Water	PrecSep_0	
MB 160-746336/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746336/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	PrecSep-21	
500-278090-10	MW-05	Total/NA	Water	PrecSep-21	
MB 160-746718/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746718/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-9	MW-07	Total/NA	Water	PrecSep_0	
500-278090-10	MW-05	Total/NA	Water	PrecSep_0	
MB 160-746723/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746723/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 746736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-11	MW-06	Total/NA	Water	PrecSep-21	

QC Association Summary

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

Job ID: 500-278090-2

Rad (Continued)

Prep Batch: 746736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-12	MW-16	Total/NA	Water	PrecSep-21	
MB 160-746736/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-746736/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 746737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-278090-11	MW-06	Total/NA	Water	PrecSep_0	
500-278090-12	MW-16	Total/NA	Water	PrecSep_0	
MB 160-746737/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-746737/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	



QC Sample Results

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

Job ID: 500-278090-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-746325/1-A
Matrix: Water
Analysis Batch: 749529

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746325

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	<0.387	U	0.181	0.181	1.00	0.387	pCi/L	11/21/25 07:52	12/15/25 21:19	1
Carrier	%Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.0		30 - 110					11/21/25 07:52	12/15/25 21:19	1

Lab Sample ID: LCS 160-746325/2-A
Matrix: Water
Analysis Batch: 749529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746325

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	8.081		1.13	1.00	0.362	pCi/L	84	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	81.8		30 - 110						

Lab Sample ID: LCS 160-746325/2-A
Matrix: Water
Analysis Batch: 749687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746325

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	9.256		1.19	1.00	0.340	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	81.8		30 - 110						

Lab Sample ID: MB 160-746335/1-A
Matrix: Water
Analysis Batch: 749683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746335

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	<0.346	U	0.233	0.234	1.00	0.346	pCi/L	11/21/25 08:08	12/16/25 15:34	1
Carrier	%Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.7		30 - 110					11/21/25 08:08	12/16/25 15:34	1

Lab Sample ID: LCS 160-746335/2-A
Matrix: Water
Analysis Batch: 749683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746335

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	9.015		1.27	1.00	0.474	pCi/L	94	75 - 125

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QC Sample Results

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

Job ID: 500-278090-2

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

Lab Sample ID: LCS 160-746335/2-A
Matrix: Water
Analysis Batch: 749683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746335

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	76.5		30 - 110

Lab Sample ID: MB 160-746718/1-A
Matrix: Water
Analysis Batch: 750093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746718

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.309	U	0.139	0.139	1.00	0.309	pCi/L	11/24/25 07:56	12/18/25 21:50	1
Carrier	MB	MB	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	88.2		30 - 110		11/24/25 07:56	12/18/25 21:50	1			

Lab Sample ID: LCS 160-746718/2-A
Matrix: Water
Analysis Batch: 750093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746718

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	10.59		1.33	1.00	0.289	pCi/L	111	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	90.8		30 - 110						

Lab Sample ID: MB 160-746736/1-A
Matrix: Water
Analysis Batch: 750117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746736

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	<0.340	U	0.206	0.207	1.00	0.340	pCi/L	11/24/25 08:20	12/18/25 07:45	1
Carrier	MB	MB	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	90.5		30 - 110		11/24/25 08:20	12/18/25 07:45	1			

Lab Sample ID: LCS 160-746736/2-A
Matrix: Water
Analysis Batch: 750117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746736

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	8.968		1.16	1.00	0.355	pCi/L	94	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	90.8		30 - 110						

QC Sample Results

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

Job ID: 500-278090-2

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-746326/1-A
Matrix: Water
Analysis Batch: 749525

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746326

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.8287		0.517	0.523	1.00	0.768	pCi/L	11/21/25 07:56	12/15/25 12:16	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	81.0		30 - 110		11/21/25 07:56	12/15/25 12:16	1			
Y Carrier	81.1		30 - 110		11/21/25 07:56	12/15/25 12:16	1			

Lab Sample ID: LCS 160-746326/2-A
Matrix: Water
Analysis Batch: 749525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746326

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	7.85	8.618		1.37	1.00	0.828	pCi/L	110	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	81.8		30 - 110						
Y Carrier	77.8		30 - 110						

Lab Sample ID: MB 160-746336/1-A
Matrix: Water
Analysis Batch: 749683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746336

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.685	U	0.433	0.436	1.00	0.685	pCi/L	11/21/25 08:17	12/16/25 09:55	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	80.7		30 - 110		11/21/25 08:17	12/16/25 09:55	1			
Y Carrier	80.7		30 - 110		11/21/25 08:17	12/16/25 09:55	1			

Lab Sample ID: LCS 160-746336/2-A
Matrix: Water
Analysis Batch: 749683

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746336

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	7.85	9.374		1.36	1.00	0.602	pCi/L	119	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	76.5		30 - 110						
Y Carrier	81.1		30 - 110						

QC Sample Results

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

Job ID: 500-278090-2

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

Lab Sample ID: MB 160-746723/1-A
Matrix: Water
Analysis Batch: 750063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746723

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.650	U	0.382	0.383	1.00	0.650	pCi/L	11/24/25 08:00	12/18/25 11:41	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	88.2		30 - 110					11/24/25 08:00	12/18/25 11:41	1
Y Carrier	82.2		30 - 110		11/24/25 08:00	12/18/25 11:41	1			

Lab Sample ID: LCS 160-746723/2-A
Matrix: Water
Analysis Batch: 750063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746723

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	7.84	10.38		1.42	1.00	0.656	pCi/L	132	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	90.8		30 - 110					11/24/25 08:23	12/17/25 11:51
Y Carrier	82.6		30 - 110		11/24/25 08:23	12/17/25 11:51	1		

Lab Sample ID: MB 160-746737/1-A
Matrix: Water
Analysis Batch: 749904

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 746737

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	<0.531	U	0.344	0.346	1.00	0.531	pCi/L	11/24/25 08:23	12/17/25 11:51	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	90.5		30 - 110					11/24/25 08:23	12/17/25 11:51	1
Y Carrier	83.0		30 - 110		11/24/25 08:23	12/17/25 11:51	1			

Lab Sample ID: LCS 160-746737/2-A
Matrix: Water
Analysis Batch: 749904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 746737

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-228	7.85	8.197		1.16	1.00	0.507	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	90.8		30 - 110					11/24/25 08:23	12/17/25 11:51
Y Carrier	80.7		30 - 110		11/24/25 08:23	12/17/25 11:51	1		

ORIGIN ID: RRLA (262) 202-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F (REAR)

SHIP DATE 10JUN25
ACTWT 50.00 LB MAH
CAD 264302768/CAFE3855

Part # 156698-435-RRB98-EXP 03/26

BROOKFIELD, WI 53005
UNITED STATES US

TO **SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E**

TINLEY PARK IL 60487

(708) 634-6200

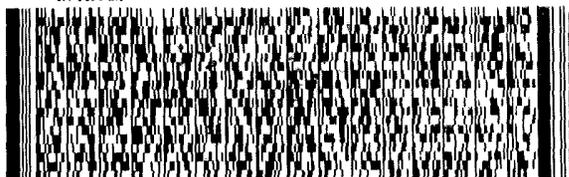
REF

DEPT

INU

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RMA ||| ||| |||



FedEx
Express



**RETURNS MON-SAT
PRIORITY OVERNIGHT**

TRK# 4648 9359 8910
0221

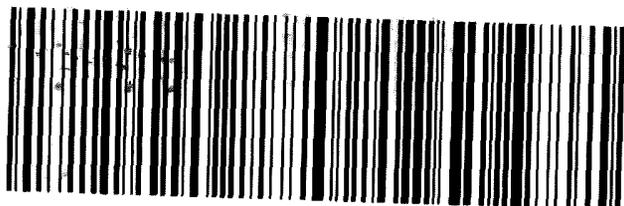
FedEx
TRK# 4648 9359 8910
0221

Handwritten: TUE - 18 NOV 10:30A
PRIORITY OVERNIGHT

79 JOTA

60487
IL-US **ORD**

#156697-435-RRB98-EXP 05/26



500-278090 Waybi

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ORIGIN ID RMA (262) 205-5955
SAMPLE RECEIVING
EUROFINS MILWAUKEE
4125 N 124TH STREET STE F, REAR)
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE 10 JUN 25
ACTWGT 50.00 LB MAH
CAD 2643027667CAFE3855

Part # 156698-435 RHDW2 EXP 05/26

TO SAMPLE RECEIVING
EUROFINS CHICAGO
18410 CROSSING DR STE E

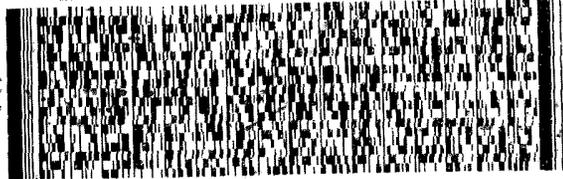
TINLEY PARK IL 60487

(708) 534-5200

REF DEPT

85-70.5

RMA 411 0001 0001



FedEx Express

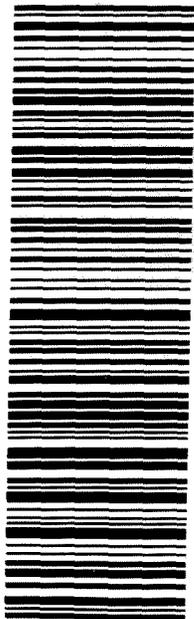


500-278090 Waybi

RETURNS MON - SAT
PRIORITY OVERNIGHT

TRK# 0221 4648 9359 8883

*439588 11/18 58



79 JOTA

IL - US ORD 60487

FedEx
TRK# 0221 4648 9359 8883

WED - 19 NOV 10:30A
PRIORITY OVERNIGHT

4613 WED 11/18/07 01 436302
EUROFINS CHICAGO
18410 CROSSING DR
STE E
TINLEY PARK IL 60487
PRIORITY OVERNIGHT
415-1087FL

SP-PD 100.Y
J0000487004893598833

Part # 156297-435 RHDW2 EXP 05/26

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

THU 11:20:00 AM
10 CROSSING DR
60487
415-258271
PRIORITY OVERNIGHT
415-258271
REF: 00395243 01
B

TO
EUROFINS
18410 CROSSING DR STE E
TINLEY PARK IL 60487



(708) 534-6200
TNU:
PO:

REF:
DEPT:

500-278090 Waybi



2 of 3
MPS# 0263 3955 4915 3775
Mstr# 3955 4915 3764
79 JOTA

0201

THU - 20 NOV 10:30A
PRIORITY OVERNIGHT
AHS
60487
IL-US ORD

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Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Nelson, Dirk	Carrier Tracking No(s): N/A	COC No: 500-214636.1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Dirk.Nelson@et.eurofins.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-278090-2	Preservation Codes:
Address: 13715 Rider Trail North,		Due Date Requested: 12/22/2025		Analysis Requested:	
City: Earth City		TAT Requested (days): N/A		Total Number of Containers	
State, Zip: MO, 63045		PO #: N/A		904.0/PrecSep_0Standard Target List	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #: N/A		903.0/PrecSep_21Standard Target List	
Email: N/A		Project #: 50011597		Perform MS/MSD (Yes or No)	
Project Name: Waukegan CCR		SSOW#: N/A		Field Filtered Sample (Yes or No)	
Site: NRG Midwest Generation Waukegan		Sample Date		Preservation Code	
Sample Identification - Client ID (Lab ID)		Sample Time		Matrix (W=water, S=solid, O=waste/oil, BT=titrus, A=alt)	
MW-09 (500-278090-5)	11/18/25	12:30 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-11 (500-278090-6)	11/18/25	09:43 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-14 (500-278090-7)	11/18/25	10:50 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Duplicate (500-278090-8)	11/18/25	Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
Special Instructions/Note:					
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/least/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify) _____					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by: _____ Date: _____					
Relinquished by: <i>Dirk Nelson</i> Date: 11/19/25 1400					
Relinquished by: _____ Date/Time: _____					
Relinquished by: _____ Date/Time: _____					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Custody Seal No.: _____					
Cooler Temperature(s) °C and Other Remarks: _____					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements: _____					
Received by: <i>Cheyenne Forrest</i> Date/Time: 0830 NOV 20 2025					
Received by: Cheyenne Forrest Date/Time: _____					
Received by: _____ Date/Time: _____					
Method of Shipment: _____					

Eurofins Chicago
 18410 Crossing Drive Suite E
 Tinley Park, IL 60487
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Lab PII: Nelson, Dirk	Carrier Tracking No(s): N/A	COC No: 500-214732.1
Sampler: N/A		E-Mail: Dirk.Nelson@eurofins.com	State of Origin: Illinois	Page: Page 1 of 1
Shipping/Receiving		Accreditations Required (See note): NELAP - Illinois	Job #: 500-278090-1	
Company: TestAmerica Laboratories, Inc.		Preservation Codes:		
Address: 13715 Rider Trail North,		Analysis Requested		
City: Earth City	State: MO, 63045	Total Number of Containers		
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A	Field Filtered Sample (Yes or No)		
Email: N/A	WO #: N/A	Perform MS/MSD (Yes or No)		
Project Name: Waukegan CCR	Project #: 50011597	903.0/PrecSep_21 Standard Target List		
Site: NRG Midwest Generation Waukegan	SSOW#: N/A	904.0/PrecSep_28 Standard Target List		
Sample Identification - Client ID (Lab ID)		Rz26Ra228_GFPc		
MW-07 (500-278090-9)	Sample Date: 11/19/25	Sample Time: 12:25 Central	Sample Type (C=comp, G=grab): G	Matrix (W=water, S=solid, O=on-site, A=At): Water
MW-05 (500-278090-10)	Sample Date: 11/19/25	Sample Time: 10:44 Central	Sample Type (C=comp, G=grab): G	Matrix (W=water, S=solid, O=on-site, A=At): Water
MW-06 (500-278090-11)	Sample Date: 11/19/25	Sample Time: 13:45 Central	Sample Type (C=comp, G=grab): G	Matrix (W=water, S=solid, O=on-site, A=At): Water
MW-16 (500-278090-12)	Sample Date: 11/19/25	Sample Time: 11:40 Central	Sample Type (C=comp, G=grab): G	Matrix (W=water, S=solid, O=on-site, A=At): Water
Special Instructions/Note: Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume; Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume; Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume; Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;				
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.				
Possible Hazard Identification				
Unconfirmed				
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2				
Empty Kit Relinquished by: _____ Date: _____ Time: _____				
Relinquished by: <i>Mike Smith</i> Date/Time: <i>11/19/25 1500</i> Company: _____				
Relinquished by: _____ Date/Time: _____ Company: _____				
Relinquished by: _____ Date/Time: _____ Company: _____				
Custody Seals Intact: _____ Custody Seal No.: _____				
Cooler Temperature(s) °C and Other Remarks: _____				



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

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	2.6,0.5, -0.1 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/19/25 03:26 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/20/25 12:38 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-278090-2

Login Number: 278090

List Number: 4

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 11/21/25 01:44 PM

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Lab Chronicle

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

Job ID: 500-278090-2

Client Sample ID: MW-01
Date Collected: 11/17/25 11:33
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-02
Date Collected: 11/17/25 12:37
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-03
Date Collected: 11/17/25 14:01
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Client Sample ID: MW-04
Date Collected: 11/17/25 15:21
Date Received: 11/18/25 09:00

Lab Sample ID: 500-278090-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:29

Lab Chronicle

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

Job ID: 500-278090-2

Client Sample ID: MW-09

Lab Sample ID: 500-278090-5

Date Collected: 11/18/25 12:30

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746335	VLQ	EET SL	11/21/25 08:08
Total/NA	Analysis	903.0		1	749687	SWS	EET SL	12/16/25 15:51
Total/NA	Prep	PrecSep_0			746336	VLQ	EET SL	11/21/25 08:18
Total/NA	Analysis	904.0		1	749687	SWS	EET SL	12/16/25 10:04
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: MW-11

Lab Sample ID: 500-278090-6

Date Collected: 11/18/25 09:43

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:19
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749525	SWS	EET SL	12/15/25 12:18
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: MW-14

Lab Sample ID: 500-278090-7

Date Collected: 11/18/25 10:50

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:19
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749525	SWS	EET SL	12/15/25 12:18
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Client Sample ID: Duplicate

Lab Sample ID: 500-278090-8

Date Collected: 11/18/25 00:00

Matrix: Water

Date Received: 11/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746325	VLQ	EET SL	11/21/25 07:52
Total/NA	Analysis	903.0		1	749529	SWS	EET SL	12/15/25 21:20
Total/NA	Prep	PrecSep_0			746326	VLQ	EET SL	11/21/25 07:56
Total/NA	Analysis	904.0		1	749527	SWS	EET SL	12/15/25 12:19
Total/NA	Analysis	Ra226_Ra228		1	749987	CMM	EET SL	12/18/25 13:30

Lab Chronicle

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

Job ID: 500-278090-2

Client Sample ID: MW-07

Lab Sample ID: 500-278090-9

Date Collected: 11/19/25 12:25

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746718	AMS	EET SL	11/24/25 07:56
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 23:53
Total/NA	Prep	PrecSep_0			746723	AMS	EET SL	11/24/25 08:00
Total/NA	Analysis	904.0		1	750064	SWS	EET SL	12/18/25 11:42
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:54

Client Sample ID: MW-05

Lab Sample ID: 500-278090-10

Date Collected: 11/19/25 10:44

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746718	AMS	EET SL	11/24/25 07:56
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 23:53
Total/NA	Prep	PrecSep_0			746723	AMS	EET SL	11/24/25 08:00
Total/NA	Analysis	904.0		1	750064	SWS	EET SL	12/18/25 11:41
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:54

Client Sample ID: MW-06

Lab Sample ID: 500-278090-11

Date Collected: 11/19/25 13:45

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746736	AMS	EET SL	11/24/25 08:20
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 09:33
Total/NA	Prep	PrecSep_0			746737	AMS	EET SL	11/24/25 08:23
Total/NA	Analysis	904.0		1	749904	MLK	EET SL	12/17/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:55

Client Sample ID: MW-16

Lab Sample ID: 500-278090-12

Date Collected: 11/19/25 11:40

Matrix: Water

Date Received: 11/20/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			746736	AMS	EET SL	11/24/25 08:20
Total/NA	Analysis	903.0		1	750117	SWS	EET SL	12/18/25 09:34
Total/NA	Prep	PrecSep_0			746737	AMS	EET SL	11/24/25 08:23
Total/NA	Analysis	904.0		1	749904	MLK	EET SL	12/17/25 11:51
Total/NA	Analysis	Ra226_Ra228		1	750352	CMM	EET SL	12/19/25 17:55

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-278090-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	200023	11-30-26

- 1
- 2
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Tracer/Carrier Summary

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

Job ID: 500-278090-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y
500-278090-1	MW-01	70.0	
500-278090-2	MW-02	74.5	
500-278090-3	MW-03	77.9	
500-278090-4	MW-04	69.7	
500-278090-5	MW-09	78.4	
500-278090-6	MW-11	76.8	
500-278090-7	MW-14	71.7	
500-278090-8	Duplicate	79.3	
500-278090-9	MW-07	84.3	
500-278090-10	MW-05	74.5	
500-278090-11	MW-06	83.2	
500-278090-12	MW-16	86.0	
LCS 160-746325/2-A	Lab Control Sample	81.8	
LCS 160-746325/2-A	Lab Control Sample	81.8	
LCS 160-746335/2-A	Lab Control Sample	76.5	
LCS 160-746718/2-A	Lab Control Sample	90.8	
LCS 160-746736/2-A	Lab Control Sample	90.8	
MB 160-746325/1-A	Method Blank	81.0	
MB 160-746335/1-A	Method Blank	80.7	
MB 160-746718/1-A	Method Blank	88.2	
MB 160-746736/1-A	Method Blank	90.5	

Tracer/Carrier Legend
 Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-278090-1	MW-01	70.0	78.5
500-278090-2	MW-02	74.5	78.9
500-278090-3	MW-03	77.9	77.8
500-278090-4	MW-04	69.7	76.3
500-278090-5	MW-09	78.4	78.9
500-278090-6	MW-11	76.8	76.3
500-278090-7	MW-14	71.7	75.9
500-278090-8	Duplicate	79.3	78.5
500-278090-9	MW-07	84.3	80.0
500-278090-10	MW-05	74.5	77.0
500-278090-11	MW-06	83.2	78.9
500-278090-12	MW-16	86.0	83.4
LCS 160-746326/2-A	Lab Control Sample	81.8	77.8
LCS 160-746336/2-A	Lab Control Sample	76.5	81.1
LCS 160-746723/2-A	Lab Control Sample	90.8	82.6
LCS 160-746737/2-A	Lab Control Sample	90.8	80.7
MB 160-746326/1-A	Method Blank	81.0	81.1
MB 160-746336/1-A	Method Blank	80.7	80.7
MB 160-746723/1-A	Method Blank	88.2	82.2

Tracer/Carrier Summary

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

Job ID: 500-278090-2

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

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba	Y
		(30-110)	(30-110)
MB 160-746737/1-A	Method Blank	90.5	83.0

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

- 1
- 2
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PROJECT NAME	12313.2 – Waukegan Station		DATE	11/17/25
Sample Name	Mw-01	Start Time	1113	
Condition of Well	good			
Water Level	23.14	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	5.5 gts	WL at Sample Time	23.16	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	Permit, CCR	Sample Time	1133	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1117	23.14	6.40	14.0	.645	6.47	99.9	6.71
1120	-	7.35	13.7	.724	1.10	95.1	8.15
1123	-	7.61	13.7	.712	0.56	85.7	8.21 8.21
1126	-	7.71	13.7	.707	0.44	82.3	8.58
1129	23.16	7.78	13.8	.697	0.40	78.9	8.26

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

IAS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/17/25
Sample Name	MW-02	Start Time	1209	
Condition of Well	good			
Water Level	22.96	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	clear	
Volume Removed	8.5 gts	WL at Sample Time	23.18	
Method of Sample	Low flow bladder	Sample Characteristics	clear	
Sample Analysis	Permit, CCR	Sample Time	1237	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1211	22.96	6.46	14.1	.743	7.56	56.8	8.49
1215	-	7.88	13.6	.686	0.80	24.2	21.10
1218	-	8.18	13.6	.680	0.49	10.5	13.11
1221	-	8.23	13.5	.683	0.43	-1.8	10.49
1224	-	8.26	13.6	.683	0.39	-15.6	11.06
1227	-	8.29	13.6	.682	0.36	-28.5	10.19
1230	-	8.31	13.6	.685	0.34	-34.9	9.94
1233	-	8.32	13.6	.687	0.32	-43.7	9.85
1236	23.18	8.34	13.5	.686	0.30	-49.1	9.91

SAMPLING NOTES:

permit duplicate

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/17/25
Sample Name	MW-03	Start Time	1332	
Condition of Well	good			
Water Level	23.35	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow bladder	Purge Characteristics	Clear	
Volume Removed	8.5 gts	WL at Sample Time	23.45	
Method of Sample	Low flow bladder	Sample Characteristics	Clear	
Sample Analysis	Permit, CCR	Sample Time	1401	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1336	23.35	7.43	13.5	.772	1.86	52.7	12.12
1339	-	8.59	13.5	.711	0.74	24.2	12.21
1342	-	9.13	13.5	.700	0.49	-22.2	11.20
1345	-	9.35	13.5	.695	0.41	-50.0	10.95
1348	-	9.44	13.5	.696	0.36	-64.6	10.74
1351	-	9.53	13.3	.692	0.32	-73.4	11.17
1354	-	9.57	13.5	.695	0.30	-79.9	11.40
1357	23.45	9.60	13.5	.697	0.30	-83.6	11.29

SAMPLING NOTES:

-WATER HAS ROTTEN EGG SMELL IN PURGE & SAMPLES

Sampler Name and
Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 - Waukegan Station		DATE	11/17/25
Sample Name	MW- 03 04	Start Time	1453	
Condition of Well	GOOD			
Water Level	23.20	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLEAR	
Volume Removed	9 gts	WL at Sample Time	23.47	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT, CCR	Sample Time	1521	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1456	23.20	6.77	13.3	.786	2.25	-14.5	14.38
1459	-	7.00	13.2	.763	0.79	-31.0	13.87
1502	-	7.86	13.1	.748	0.43	-89.4	11.37
1505	-	8.29	13.3	.744	0.37	-130.3	11.51
1508	-	8.50	13.3	.742	0.32	-152.0	11.24
1511	-	8.60	13.3	.741	0.29	-167.2	11.11
1514	-	8.64	13.3	.742	0.27	-176.7	11.14
1517	-	8.70	13.1	.743	0.26	-181.3	10.90
1520	23.47	8.71	13.2	.745	0.25	-184.8	10.82

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/19/25
Sample Name	MW-05	Start Time	1025	
Condition of Well	GOOD			
Water Level	23.70	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	SL. CLOUDY, BROWN	
Volume Removed	5 QTS	WL at Sample Time	23.75	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT, CCR	Sample Time	1044	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1028	23.70	6.49	12.6	1.530	5.55	14.6	46.94
1031	-	6.90	12.2	1.430	1.50	-79.2	83.40
1034	-	6.98	12.2	1.426	0.52	-104.2	32.92
1037	-	6.98	12.2	1.430	0.39	-108.7	28.34
1040	23.75	6.98	12.2	1.432	0.32	-111.5	29.94

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KWS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/19/25
Sample Name	MW-06	Start Time	1328	
Condition of Well	OKAY			
Water Level	8.41	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	SL. CLOUDY, BROWN	
Volume Removed	6 QTS	WL at Sample Time	8.41	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT, CCR	Sample Time	1345	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1329	8.41	7.17	12.0	.968	8.00	-46.6	24.59
1332	-	7.14	12.9	.800	1.24	-90.1	30.80
1335	-	7.17	12.8	.800	0.51	-111.0	19.24
1338	-	7.18	12.9	.801	0.38	-118.7	18.29
1341	-	7.19	12.9	.803	0.31	-122.6	23.22
1344	8.41	7.19	12.9	.802	0.28	-125.0	23.34

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 - Waukegan Station		DATE	11/19/25
Sample Name	MW-07	Start Time	1207	
Condition of Well	GOOD			
Water Level	18.52	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLOUDY, BROWN	
Volume Removed	5 QTS	WL at Sample Time	18.53	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT, CCR	Sample Time	1225	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1209	18.52	6.71	12.7	1.805	6.33	-32.6	42.42
1212	-	7.04	12.3	1.839	1.11	-114.9	102.13
1215	-	7.04	12.2	1.837	0.55	-124.4	90.27
1218	-	7.04	12.3	1.828	0.38	-129.1	29.50
1221	18.53	7.02	12.3	1.826	0.32	-129.9	28.89

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KRS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/18/25
Sample Name	MW-09	Start Time	1210	
Condition of Well	GOOD			
Water Level	11.20	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLOUDY, BROWN	
Volume Removed	5 gts	WL at Sample Time	11.20	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT (NOT REPORTED), CCR	Sample Time	1230	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1213	11.20	7.15	13.0	1.200	1.22	-101.9	435.23
1216	-	7.14	13.1	1.173	0.44	-117.4	221.22
1219	-	7.13	13.1	1.178	0.32	-121.0	98.01
1222	-	7.12	13.1	1.182	0.27	-123.3	57.83
1225	11.20	7.12	13.0	1.184	0.24	-124.7	41.56

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 - Waukegan Station		DATE	11/18/25
Sample Name	MW-11	Start Time	0908	
Condition of Well	GOOD			
Water Level	6.35	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLOUDY, ORANGE	
Volume Removed	10 QTS	WL at Sample Time	6.35	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLOUDY, ORANGE-BROWN	
Sample Analysis	PERMIT (ELUC), CCR	Sample Time	0943	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
0921	6.35	6.98	14.0	1.245	1.05	-111.7	1464.64
0924	-	6.94	14.0	1.247	0.46	-116.0	1155.80
* 0927	-	6.94	14.1	1.248	0.34	-118.8	953.09
0930	-	6.95	13.9	1.251	0.83	-116.2	1058.89
0933	-	6.94	13.9	1.250	0.36	-118.0	690.51
0936	-	6.94	13.9	1.251	0.27	-120.4	610.99
0939	6.35	6.95	13.9	1.251	0.24	-122.1	657.17

SAMPLING NOTES:

-VERY TURBID - LET PURGE FOR 10 MINUTES BEFORE TAKING READINGS, CLEARED UP TO CLOUDY FROM OPAQUE

* EMPTIED FLOWTHRU CELL - SUSPENDED SOLIDS STUCK

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 – Waukegan Station		DATE	11/18/25
Sample Name	MW-14	Start Time	1026	
Condition of Well	GOOD			
Water Level	6.16	Total Depth	-	
Well Diameter	PVC – 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLOUDY, ORANGE	
Volume Removed	6 gts	WL at Sample Time	6.18	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	PERMIT(ELUC), CCR	Sample Time	1050	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1028	6.16	6.96	12.9	1.023	1.79	-71.3	1509.44
1031	-	6.85	12.8	1.081	0.53	-78.0	988.46
1034	-	6.85	12.7	1.100	0.35	-88.4	1045.45
1037	-	6.86	12.7	1.101	0.28	-94.5	663.00
1040	-	6.89	12.7	1.114	0.23	-113.1	83.72
1043	-	6.88	12.7	1.114	0.21	-112.8	54.02
1046	6.18	6.89	12.6	1.116	0.18	-115.3	44.80

SAMPLING NOTES:

CCR DUPLICATE

Sampler Name and Company:

KPRG and Associates

KLS

PROJECT NAME	12313.2 - Waukegan Station		DATE	11/19/25
Sample Name	MW-16	Start Time	1120	
Condition of Well	GOOD			
Water Level	28.26	Total Depth	-	
Well Diameter	PVC - 2 inch	Volume in Well	-	
Method of Purge	Low flow BLADDER	Purge Characteristics	CLOUDY, ORANGE	
Volume Removed	4 QTS	WL at Sample Time	28.36	
Method of Sample	Low flow BLADDER	Sample Characteristics	CLEAR	
Sample Analysis	CCR	Sample Time	1140	
Water Quality Meter	YSI Pro DSS			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1121	28.26	6.67	13.8	1.585	6.48	31.8	83.53
1124	-	6.90	13.4	1.546	1.27	3.2	804.00
1127	-	6.94	13.4	1.555	0.52	-24.2	594.17
1130	-	6.93	13.4	1.563	0.38	-29.5	91.42
1133	-	6.93	13.4	1.563	0.33	-31.8	37.07
1136	28.36	6.92	13.4	1.564	0.30	-32.7	29.12

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

KLS