

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	FB-05132025	SDG No.:	Q2032
Lab Sample ID:	Q2032-11	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5.67	U	1	5.67	50.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-36-0	Antimony	3.38	U	1	3.38	25.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-39-3	Barium	7.28	U	1	7.28	50.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-70-2	Calcium	117	U	1	117	1000	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-47-3	Chromium	1.06	U	1	1.06	5.00	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-50-8	Copper	2.30	U	1	2.30	10.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7439-89-6	Iron	11.7	UN	1	11.7	50.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7439-92-1	Lead	1.15	U	1	1.15	6.00	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7439-95-4	Magnesium	122	U	1	122	1000	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7439-96-5	Manganese	3.50	J	1	2.97	10.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7439-97-6	Mercury	0.076	UN*1		0.076	0.20	ug/L	05/16/25 09:13	05/19/25 11:49	7470A	
7440-02-0	Nickel	1.53	U	1	1.53	20.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-09-7	Potassium	459	U	1	459	1000	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-22-4	Silver	0.81	UN	1	0.81	5.00	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-23-5	Sodium	434	U	1	434	1000	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-62-2	Vanadium	3.13	U	1	3.13	20.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010
7440-66-6	Zinc	16.0	J	1	8.33	20.0	ug/L	05/16/25 10:30	05/19/25 18:12	6010D	SW3010

Color Before: Colorless

Clarity Before: Clear

Texture:

Color After: Colorless

Clarity After: Clear

Artifacts:

Comments: METALS-TAL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits