

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6650	*	1	0.90	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.68	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-38-2	Arsenic	3.05		1	0.20	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-39-3	Barium	24.1	N*	1	0.78	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-41-7	Beryllium	0.49		1	0.027	0.32	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-43-9	Cadmium	0.53		1	0.026	0.32	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-70-2	Calcium	354	*	1	11.9	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-47-3	Chromium	7.28		1	0.050	0.54	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-48-4	Cobalt	3.08		1	0.11	1.61	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-50-8	Copper	3.38		1	0.24	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-89-6	Iron	10800	*	1	4.28	5.36	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-92-1	Lead	6.08		1	0.14	0.64	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-95-4	Magnesium	510	*	1	12.9	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-96-5	Manganese	54.0		1	0.15	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7439-97-6	Mercury	0.015	J	1	0.0090	0.016	mg/Kg	06/02/25 08:35	06/03/25 14:13	7471B	
7440-02-0	Nickel	4.81		1	0.14	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-09-7	Potassium	201	*	1	29.7	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.07	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.54	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-23-5	Sodium	606	N*	1	19.1	107	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-62-2	Vanadium	16.4		1	0.27	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050
7440-66-6	Zinc	12.5	N	1	0.25	2.14	mg/Kg	06/02/25 13:05	06/10/25 21:16	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	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