

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-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5650	*	1	0.84	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.49	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-38-2	Arsenic	2.02		1	0.19	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-39-3	Barium	21.5	N*	1	0.73	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-41-7	Beryllium	0.50		1	0.025	0.30	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-43-9	Cadmium	0.56		1	0.024	0.30	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-70-2	Calcium	203	*	1	11.0	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-47-3	Chromium	4.18		1	0.047	0.50	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-48-4	Cobalt	3.56		1	0.10	1.49	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-50-8	Copper	3.06		1	0.22	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-89-6	Iron	13400	*	1	3.97	4.98	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-92-1	Lead	9.53		1	0.13	0.60	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-95-4	Magnesium	228	*	1	11.9	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-96-5	Manganese	82.9		1	0.14	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7439-97-6	Mercury	0.016		1	0.0080	0.014	mg/Kg	06/02/25 08:35	06/03/25 14:09	7471B	
7440-02-0	Nickel	3.55		1	0.13	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-09-7	Potassium	115	*	1	27.6	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-23-5	Sodium	139	N*	1	17.7	99.5	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-62-2	Vanadium	12.3		1	0.25	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	6010D	SW3050
7440-66-6	Zinc	10.6	N	1	0.23	1.99	mg/Kg	06/02/25 13:05	06/10/25 21:00	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