

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-80	SDG No.:	Q2529
Lab Sample ID:	Q2529-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5340		1	0.77	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.30	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-38-2	Arsenic	5.90		1	0.18	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-39-3	Barium	16.7		1	0.67	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-41-7	Beryllium	0.60		1	0.023	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-43-9	Cadmium	0.14	J	1	0.022	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-70-2	Calcium	552	N	1	10.2	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-47-3	Chromium	17.3		1	0.043	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-48-4	Cobalt	2.83		1	0.092	1.38	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-50-8	Copper	7.87		1	0.20	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-89-6	Iron	15900		1	3.67	4.59	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-92-1	Lead	15.1		1	0.12	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-95-4	Magnesium	662	N	1	11.0	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-96-5	Manganese	38.8	N	1	0.13	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7439-97-6	Mercury	0.060		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:10	7471B	
7440-02-0	Nickel	5.05		1	0.12	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-09-7	Potassium	271		1	25.5	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7782-49-2	Selenium	0.24	U	1	0.24	0.92	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-23-5	Sodium	352	N	1	16.4	91.9	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-28-0	Thallium	0.23	J	1	0.21	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-62-2	Vanadium	25.0		1	0.23	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	6010D	SW3050
7440-66-6	Zinc	18.1		1	0.21	1.84	mg/Kg	07/09/25 10:35	07/10/25 21:03	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