

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-33	SDG No.:	Q2529
Lab Sample ID:	Q2529-09	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	9180		1	0.80	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.39	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-38-2	Arsenic	2.79		1	0.18	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-39-3	Barium	34.9		1	0.70	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-41-7	Beryllium	0.74		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-70-2	Calcium	10.6	UN	1	10.6	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-47-3	Chromium	3.67		1	0.045	0.48	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-48-4	Cobalt	4.00		1	0.096	1.44	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-50-8	Copper	2.30		1	0.21	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-89-6	Iron	11900		1	3.82	4.78	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-92-1	Lead	3.50		1	0.12	0.57	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-95-4	Magnesium	281	N	1	11.5	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-96-5	Manganese	305	N	1	0.13	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0070	0.013	mg/Kg	07/09/25 14:40	07/10/25 10:26	7471B	
7440-02-0	Nickel	5.08		1	0.12	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-09-7	Potassium	155		1	26.5	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.96	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.48	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-23-5	Sodium	275	N	1	17.0	95.7	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-62-2	Vanadium	16.3		1	0.24	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	6010D	SW3050
7440-66-6	Zinc	17.0		1	0.22	1.91	mg/Kg	07/09/25 10:35	07/10/25 22:04	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