

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-89	SDG No.:	Q2529
Lab Sample ID:	Q2529-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8870		1	0.84	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.49	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-38-2	Arsenic	6.60		1	0.19	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-39-3	Barium	14.2		1	0.73	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-41-7	Beryllium	0.63		1	0.025	0.30	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-70-2	Calcium	289	N	1	11.0	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-47-3	Chromium	15.8		1	0.047	0.50	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-48-4	Cobalt	1.74		1	0.10	1.49	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-50-8	Copper	3.87		1	0.22	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-89-6	Iron	17600		1	3.97	4.98	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-92-1	Lead	5.91		1	0.13	0.60	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-95-4	Magnesium	207	N	1	11.9	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-96-5	Manganese	17.4	N	1	0.14	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7439-97-6	Mercury	0.042		1	0.0090	0.016	mg/Kg	07/09/25 14:40	07/10/25 10:24	7471B	
7440-02-0	Nickel	3.57		1	0.13	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-09-7	Potassium	394		1	27.6	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-23-5	Sodium	392	N	1	17.7	99.5	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-62-2	Vanadium	44.6		1	0.25	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	6010D	SW3050
7440-66-6	Zinc	8.81		1	0.23	1.99	mg/Kg	07/09/25 10:35	07/10/25 22:00	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