

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-101	SDG No.:	Q2529
Lab Sample ID:	Q2529-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13500		1	0.81	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.41	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-38-2	Arsenic	4.58		1	0.18	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-39-3	Barium	74.2		1	0.71	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-41-7	Beryllium	1.15		1	0.024	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-43-9	Cadmium	0.057	J	1	0.023	0.29	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-70-2	Calcium	10.7	UN	1	10.7	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-47-3	Chromium	6.21		1	0.045	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-48-4	Cobalt	4.62		1	0.097	1.45	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-50-8	Copper	2.57		1	0.21	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-89-6	Iron	18500		1	3.85	4.83	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-92-1	Lead	4.60		1	0.13	0.58	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-95-4	Magnesium	184	N	1	11.6	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-96-5	Manganese	42.9	N	1	0.14	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:22	7471B	
7440-02-0	Nickel	7.84		1	0.13	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-09-7	Potassium	168		1	26.7	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.97	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-22-4	Silver	0.12	J	1	0.12	0.48	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-23-5	Sodium	240	N	1	17.2	96.5	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-62-2	Vanadium	18.2		1	0.24	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	6010D	SW3050
7440-66-6	Zinc	17.8		1	0.22	1.93	mg/Kg	07/09/25 10:35	07/10/25 21:56	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