

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-102	SDG No.:	Q2529
Lab Sample ID:	Q2529-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2060		1	0.77	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.28	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-38-2	Arsenic	2.65		1	0.17	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-39-3	Barium	8.89		1	0.67	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-41-7	Beryllium	0.36		1	0.023	0.27	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-43-9	Cadmium	0.022	U	1	0.022	0.27	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-70-2	Calcium	41.6	JN	1	10.1	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-47-3	Chromium	3.17		1	0.043	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-48-4	Cobalt	1.54		1	0.091	1.37	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-50-8	Copper	2.26		1	0.20	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-89-6	Iron	9030		1	3.65	4.57	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-92-1	Lead	2.41		1	0.12	0.55	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-95-4	Magnesium	158	N	1	11.0	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-96-5	Manganese	30.5	N	1	0.13	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.013	mg/Kg	07/09/25 14:40	07/10/25 10:20	7471B	
7440-02-0	Nickel	1.60	J	1	0.12	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-09-7	Potassium	142		1	25.3	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7782-49-2	Selenium	0.24	U	1	0.24	0.91	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.46	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-23-5	Sodium	210	N	1	16.3	91.4	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-62-2	Vanadium	13.2		1	0.23	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	6010D	SW3050
7440-66-6	Zinc	7.14		1	0.21	1.83	mg/Kg	07/09/25 10:35	07/10/25 21:19	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