

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-98	SDG No.:	Q2529
Lab Sample ID:	Q2529-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7580		1	0.79	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.36	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-38-2	Arsenic	7.69		1	0.18	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-39-3	Barium	23.1		1	0.69	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-41-7	Beryllium	0.72		1	0.024	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-43-9	Cadmium	0.13	J	1	0.023	0.28	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-70-2	Calcium	47.5	JN	1	10.5	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-47-3	Chromium	9.49		1	0.044	0.47	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-48-4	Cobalt	4.26		1	0.094	1.41	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-50-8	Copper	5.76		1	0.21	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-89-6	Iron	16800		1	3.76	4.72	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-92-1	Lead	11.4		1	0.12	0.57	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-95-4	Magnesium	647	N	1	11.3	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-96-5	Manganese	89.8	N	1	0.13	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7439-97-6	Mercury	0.078		1	0.0080	0.015	mg/Kg	07/09/25 14:40	07/10/25 10:17	7471B	
7440-02-0	Nickel	6.52		1	0.12	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-09-7	Potassium	274		1	26.1	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.94	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-22-4	Silver	0.11	U	1	0.11	0.47	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-23-5	Sodium	207	N	1	16.8	94.3	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-62-2	Vanadium	23.6		1	0.24	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	6010D	SW3050
7440-66-6	Zinc	20.9		1	0.22	1.89	mg/Kg	07/09/25 10:35	07/10/25 21:15	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