

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	82

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3120		1	0.83	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.46	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-38-2	Arsenic	5.74		1	0.19	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-39-3	Barium	5.63	N	1	0.72	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-70-2	Calcium	361	N	1	10.9	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-47-3	Chromium	8.42		1	0.046	0.49	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-48-4	Cobalt	0.39	J*	1	0.098	1.48	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-50-8	Copper	1.29		1	0.22	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-89-6	Iron	18800		1	3.92	4.92	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-92-1	Lead	28.7		1	0.13	0.59	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-95-4	Magnesium	182	N	1	11.8	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-96-5	Manganese	7.58	N*	1	0.14	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7439-97-6	Mercury	0.024		1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 13:59	7471B	
7440-02-0	Nickel	1.17	J	1	0.13	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-09-7	Potassium	385		1	27.2	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7782-49-2	Selenium	4.47		1	0.26	0.98	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-22-4	Silver	0.84		1	0.12	0.49	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-23-5	Sodium	324		1	17.5	98.3	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-28-0	Thallium	0.53	J	1	0.23	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-62-2	Vanadium	17.1		1	0.25	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	6010D	SW3050
7440-66-6	Zinc	7.35		1	0.23	1.97	mg/Kg	06/27/25 13:05	07/01/25 17:47	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