

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-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8670		1	0.88	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.63	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-38-2	Arsenic	4.16		1	0.20	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-39-3	Barium	20.7	N	1	0.77	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-41-7	Beryllium	0.65		1	0.026	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-70-2	Calcium	227	N	1	11.7	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-47-3	Chromium	13.0		1	0.049	0.53	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-48-4	Cobalt	3.11	*	1	0.11	1.58	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-50-8	Copper	1.13		1	0.23	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-89-6	Iron	19500		1	4.19	5.26	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-92-1	Lead	4.86		1	0.14	0.63	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-95-4	Magnesium	273	N	1	12.6	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-96-5	Manganese	57.2	N*	1	0.15	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7439-97-6	Mercury	0.011	J	1	0.0080	0.015	mg/Kg	06/27/25 14:20	06/30/25 14:13	7471B	
7440-02-0	Nickel	4.90		1	0.14	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-09-7	Potassium	382		1	29.1	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7782-49-2	Selenium	4.79		1	0.27	1.05	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-22-4	Silver	0.93		1	0.13	0.53	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-23-5	Sodium	82.2	J	1	18.7	105	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-62-2	Vanadium	20.5		1	0.26	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	6010D	SW3050
7440-66-6	Zinc	14.4		1	0.24	2.10	mg/Kg	06/27/25 13:05	07/01/25 18:10	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