

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8840		1	0.85	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-38-2	Arsenic	4.94		1	0.19	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-39-3	Barium	14.6	N	1	0.74	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-41-7	Beryllium	0.77		1	0.025	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-70-2	Calcium	278	N	1	11.2	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-47-3	Chromium	15.3		1	0.047	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-48-4	Cobalt	4.91	*	1	0.10	1.51	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-50-8	Copper	0.22	U	1	0.22	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-89-6	Iron	21300		1	4.02	5.03	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-92-1	Lead	5.97		1	0.13	0.60	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-95-4	Magnesium	319	N	1	12.1	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-96-5	Manganese	52.1	N*	1	0.14	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7439-97-6	Mercury	0.010	J	1	0.0080	0.014	mg/Kg	06/27/25 14:20	06/30/25 14:15	7471B	
7440-02-0	Nickel	7.01		1	0.13	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-09-7	Potassium	354		1	27.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7782-49-2	Selenium	4.81		1	0.26	1.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-22-4	Silver	0.93		1	0.12	0.50	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-23-5	Sodium	487		1	17.9	101	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-62-2	Vanadium	19.7		1	0.25	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	6010D	SW3050
7440-66-6	Zinc	16.6		1	0.23	2.01	mg/Kg	06/27/25 13:05	07/01/25 18:14	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