

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-41	SDG No.:	Q2543
Lab Sample ID:	Q2543-01	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	2620		1	0.85	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-38-2	Arsenic	0.42	J	1	0.19	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-39-3	Barium	21.2	N	1	0.74	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-41-7	Beryllium	0.18	J	1	0.025	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-70-2	Calcium	12.7	J	1	11.2	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-47-3	Chromium	4.44		1	0.047	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-48-4	Cobalt	0.28	J	1	0.10	1.51	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-50-8	Copper	1.84		1	0.22	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-89-6	Iron	1630		1	4.02	5.04	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-92-1	Lead	3.14		1	0.13	0.61	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-95-4	Magnesium	171		1	12.1	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-96-5	Manganese	8.08		1	0.14	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7439-97-6	Mercury	0.0080	UN	1	0.0080	0.015	mg/Kg	07/10/25 16:00	07/11/25 14:49	7471B	
7440-02-0	Nickel	1.08	J	1	0.13	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-09-7	Potassium	212		1	27.9	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7782-49-2	Selenium	0.26	UN	1	0.26	1.01	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-23-5	Sodium	242		1	17.9	101	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-62-2	Vanadium	4.20	N	1	0.25	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	6010D	SW3050
7440-66-6	Zinc	4.48		1	0.23	2.02	mg/Kg	07/10/25 10:15	07/11/25 02:07	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