

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4450		1	0.97	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.88	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-38-2	Arsenic	0.86	J	1	0.22	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-39-3	Barium	20.1	*	1	0.84	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-41-7	Beryllium	0.21	JN*	1	0.029	0.35	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-43-9	Cadmium	0.028	U*	1	0.028	0.35	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-70-2	Calcium	558	*	1	12.8	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-47-3	Chromium	10.1	*	1	0.054	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-48-4	Cobalt	0.76	J	1	0.12	1.73	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-50-8	Copper	5.25	N*	1	0.25	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-89-6	Iron	3090		1	4.59	5.75	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-92-1	Lead	5.07		1	0.15	0.69	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-95-4	Magnesium	574		1	13.8	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-96-5	Manganese	13.5		1	0.16	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	05/30/25 08:35	05/30/25 13:42	7471B	
7440-02-0	Nickel	2.40		1	0.15	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-09-7	Potassium	489	N*	1	31.9	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.15	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-23-5	Sodium	285	N	1	20.5	115	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-62-2	Vanadium	13.5		1	0.29	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	6010D	SW3050
7440-66-6	Zinc	5.42		1	0.27	2.30	mg/Kg	05/30/25 09:40	06/02/25 18:20	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