

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3890		1	0.96	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.84	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-38-2	Arsenic	4.24		1	0.22	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-39-3	Barium	46.0	*	1	0.83	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-41-7	Beryllium	0.38	N*	1	0.028	0.34	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-43-9	Cadmium	0.027	U*	1	0.027	0.34	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-70-2	Calcium	1190	*	1	12.6	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-47-3	Chromium	8.62	*	1	0.053	0.57	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-48-4	Cobalt	1.97		1	0.11	1.71	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-50-8	Copper	9.95	N*	1	0.25	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-89-6	Iron	13700		1	4.54	5.69	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-92-1	Lead	114		1	0.15	0.68	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-95-4	Magnesium	275		1	13.7	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-96-5	Manganese	83.1		1	0.16	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7439-97-6	Mercury	0.046		1	0.0080	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:19	7471B	
7440-02-0	Nickel	3.62		1	0.15	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-09-7	Potassium	568	N*	1	31.5	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7782-49-2	Selenium	0.30	U	1	0.30	1.14	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-22-4	Silver	0.26	J	1	0.14	0.57	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-23-5	Sodium	391	N	1	20.3	114	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-62-2	Vanadium	17.1		1	0.28	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	6010D	SW3050
7440-66-6	Zinc	19.0		1	0.26	2.28	mg/Kg	05/30/25 09:40	06/02/25 17:55	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