

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-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2540		1	0.89	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-38-2	Arsenic	5.25		1	0.20	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-39-3	Barium	21.4	*	1	0.78	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-41-7	Beryllium	0.43	N*	1	0.027	0.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-43-9	Cadmium	0.026	U*	1	0.026	0.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-70-2	Calcium	814	*	1	11.8	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-47-3	Chromium	9.31	*	1	0.050	0.53	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-48-4	Cobalt	1.61		1	0.11	1.60	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-50-8	Copper	28.9	N*	1	0.23	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-89-6	Iron	18400		1	4.25	5.32	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-92-1	Lead	69.1		1	0.14	0.64	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-95-4	Magnesium	334		1	12.8	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-96-5	Manganese	90.0		1	0.15	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7439-97-6	Mercury	0.014		1	0.0080	0.014	mg/Kg	05/30/25 08:35	05/30/25 13:17	7471B	
7440-02-0	Nickel	3.17		1	0.14	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-09-7	Potassium	302	N*	1	29.5	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.06	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-22-4	Silver	0.31	J	1	0.13	0.53	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-23-5	Sodium	151	N	1	18.9	106	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-62-2	Vanadium	17.9		1	0.27	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	6010D	SW3050
7440-66-6	Zinc	77.9		1	0.25	2.13	mg/Kg	05/30/25 09:40	06/02/25 17:51	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