

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-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1500		1	0.99	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.94	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-38-2	Arsenic	1.97		1	0.22	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-39-3	Barium	6.76	*	1	0.86	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-41-7	Beryllium	0.31	JN*	1	0.029	0.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-43-9	Cadmium	0.028	U*	1	0.028	0.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-70-2	Calcium	331	*	1	13.0	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-47-3	Chromium	10.5	*	1	0.055	0.59	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-48-4	Cobalt	1.70	J	1	0.12	1.76	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-50-8	Copper	13.0	N*	1	0.26	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-89-6	Iron	16500		1	4.69	5.87	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-92-1	Lead	5.52		1	0.15	0.71	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-95-4	Magnesium	159		1	14.1	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-96-5	Manganese	20.2		1	0.16	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:22	7471B	
7440-02-0	Nickel	1.67	J	1	0.15	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-09-7	Potassium	220	N*	1	32.5	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.17	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.59	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-23-5	Sodium	236	N	1	20.9	117	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-28-0	Thallium	0.27	U	1	0.27	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-62-2	Vanadium	11.4		1	0.29	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	6010D	SW3050
7440-66-6	Zinc	8.09		1	0.27	2.35	mg/Kg	05/30/25 09:40	06/02/25 17:59	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