

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-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4350		1	1.01	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-36-0	Antimony	0.27	UN	1	0.27	3.02	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-38-2	Arsenic	4.63		1	0.23	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-39-3	Barium	32.2	*	1	0.88	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-41-7	Beryllium	0.53	N*	1	0.030	0.36	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-43-9	Cadmium	0.029	U*	1	0.029	0.36	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-70-2	Calcium	1480	*	1	13.4	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-47-3	Chromium	11.2	*	1	0.057	0.60	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-48-4	Cobalt	3.58		1	0.12	1.81	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-50-8	Copper	24.8	N*	1	0.27	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-89-6	Iron	28600		1	4.82	6.04	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-92-1	Lead	32.0		1	0.16	0.72	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-95-4	Magnesium	648		1	14.5	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-96-5	Manganese	126		1	0.17	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.015	mg/Kg	05/30/25 08:35	05/30/25 13:05	7471B	
7440-02-0	Nickel	5.14		1	0.16	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-09-7	Potassium	348	N*	1	33.4	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.21	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-22-4	Silver	0.31	J	1	0.14	0.60	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-23-5	Sodium	194	N	1	21.5	121	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-28-0	Thallium	0.28	U	1	0.28	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-62-2	Vanadium	21.8		1	0.30	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	6010D	SW3050
7440-66-6	Zinc	30.6		1	0.28	2.41	mg/Kg	05/30/25 09:40	06/02/25 17:47	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