

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3260	*	1	1.01	6.02	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-36-0	Antimony	0.27	UN*	1	0.27	3.01	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-38-2	Arsenic	8.43	*	1	0.23	1.20	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-39-3	Barium	14.4	*	1	0.88	6.02	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-41-7	Beryllium	0.53	*	1	0.030	0.36	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-43-9	Cadmium	0.71		1	0.029	0.36	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-70-2	Calcium	700	*	1	13.4	120	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-47-3	Chromium	10.9	*	1	0.057	0.60	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-48-4	Cobalt	1.78	JN*	1	0.12	1.81	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-50-8	Copper	16.1	*	1	0.27	1.20	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7439-89-6	Iron	32800	*	1	4.80	6.02	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7439-92-1	Lead	11.0		1	0.16	0.72	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7439-95-4	Magnesium	332	N*	1	14.4	120	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7439-96-5	Manganese	49.1	*	1	0.17	1.20	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7439-97-6	Mercury	0.023		1	0.010	0.018	mg/Kg	05/23/25 09:50	05/23/25 13:54	7471B	
7440-02-0	Nickel	1.84	J*	1	0.16	2.41	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-09-7	Potassium	389	*	1	33.4	120	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	1.20	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-22-4	Silver	0.14	U*	1	0.14	0.60	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-23-5	Sodium	297	N	1	21.4	120	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-28-0	Thallium	0.28	U	1	0.28	2.41	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-62-2	Vanadium	20.3	N*	1	0.30	2.41	mg/Kg	05/21/25 14:05	05/30/25 17:54	6010D	SW3050
7440-66-6	Zinc	9.77	N*	1	0.28	2.41	mg/Kg	05/21/25 14:05	05/30/25 17:54	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