

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2640	*	1	0.82	4.90	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-36-0	Antimony	0.22	UN*	1	0.22	2.45	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-38-2	Arsenic	5.94	*	1	0.19	0.98	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-39-3	Barium	5.69	*	1	0.72	4.90	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-41-7	Beryllium	0.82	*	1	0.024	0.29	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-43-9	Cadmium	1.03		1	0.024	0.29	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-70-2	Calcium	698	*	1	10.9	97.9	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-47-3	Chromium	14.4	*	1	0.046	0.49	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-48-4	Cobalt	3.09	N*	1	0.098	1.47	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-50-8	Copper	24.8	*	1	0.22	0.98	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7439-89-6	Iron	46600	*	1	3.91	4.90	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7439-92-1	Lead	5.44		1	0.13	0.59	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7439-95-4	Magnesium	97.4	JN*	1	11.8	97.9	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7439-96-5	Manganese	130	*	1	0.14	0.98	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.013	mg/Kg	05/23/25 09:50	05/23/25 13:47	7471B	
7440-02-0	Nickel	4.36	*	1	0.13	1.96	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-09-7	Potassium	165	*	1	27.1	97.9	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	0.98	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-22-4	Silver	0.12	U*	1	0.12	0.49	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-23-5	Sodium	246	N	1	17.4	97.9	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.96	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-62-2	Vanadium	31.3	N*	1	0.25	1.96	mg/Kg	05/21/25 14:05	05/30/25 17:33	6010D	SW3050
7440-66-6	Zinc	22.6	N*	1	0.23	1.96	mg/Kg	05/21/25 14:05	05/30/25 17:33	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