

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-6	SDG No.:	Q1982
Lab Sample ID:	Q1982-06	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	1110		1	0.89	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-36-0	Antimony	0.23	UN	1	0.23	2.66	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-38-2	Arsenic	1.26	N	1	0.20	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-39-3	Barium	2.61	J	1	0.78	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-41-7	Beryllium	0.37	N	1	0.027	0.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-70-2	Calcium	439	N	1	11.8	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-47-3	Chromium	4.85	N	1	0.050	0.53	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-48-4	Cobalt	0.72	J	1	0.11	1.60	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-50-8	Copper	6.37	N	1	0.23	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-89-6	Iron	21500		1	4.25	5.32	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-92-1	Lead	3.97		1	0.14	0.64	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-95-4	Magnesium	69.0	JN	1	12.8	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-96-5	Manganese	145		1	0.15	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7439-97-6	Mercury	0.035		1	0.0080	0.014	mg/Kg	05/09/25 16:05	05/12/25 10:41	7471B	
7440-02-0	Nickel	0.94	J	1	0.14	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-09-7	Potassium	139	N	1	29.5	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.06	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-22-4	Silver	0.30	JN	1	0.13	0.53	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-23-5	Sodium	101	JN	1	18.9	106	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-28-0	Thallium	1.78	J	1	0.25	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-62-2	Vanadium	6.98	N	1	0.27	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	6010D	SW3050
7440-66-6	Zinc	8.05	N	1	0.25	2.13	mg/Kg	05/09/25 10:05	05/13/25 21:21	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