

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-9	SDG No.:	Q1982
Lab Sample ID:	Q1982-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5380		1	0.97	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.89	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-38-2	Arsenic	10.5	N	1	0.22	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-39-3	Barium	3.89	J	1	0.84	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-41-7	Beryllium	1.27	N	1	0.029	0.35	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-70-2	Calcium	460	N	1	12.8	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-47-3	Chromium	15.6	N	1	0.054	0.58	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-48-4	Cobalt	1.72	J	1	0.12	1.73	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-50-8	Copper	32.3	N	1	0.25	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-89-6	Iron	81700		1	4.61	5.77	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-92-1	Lead	3.22		1	0.15	0.69	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-95-4	Magnesium	46.8	JN	1	13.9	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-96-5	Manganese	1.98		1	0.16	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7439-97-6	Mercury	0.024		1	0.0080	0.015	mg/Kg	05/09/25 16:05	05/12/25 10:45	7471B	
7440-02-0	Nickel	1.04	J	1	0.15	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-09-7	Potassium	177	N	1	32.0	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	1.15	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-22-4	Silver	0.14	UN	1	0.14	0.58	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-23-5	Sodium	44.0	JN	1	20.6	115	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-28-0	Thallium	7.36		1	0.27	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-62-2	Vanadium	22.0	N	1	0.29	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	6010D	SW3050
7440-66-6	Zinc	23.8	N	1	0.27	2.31	mg/Kg	05/09/25 10:05	05/13/25 21:29	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