

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	South River WM Replacement	Date Received:	05/07/25
Client Sample ID:	TP-2B	SDG No.:	Q1982
Lab Sample ID:	Q1982-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2680		1	0.90	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.69	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-38-2	Arsenic	3.50	N	1	0.20	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-39-3	Barium	15.4		1	0.78	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-41-7	Beryllium	0.38	N	1	0.027	0.32	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.32	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-70-2	Calcium	315	N	1	11.9	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-47-3	Chromium	12.8	N	1	0.050	0.54	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-48-4	Cobalt	1.00	J	1	0.11	1.61	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-50-8	Copper	12.4	N	1	0.24	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-89-6	Iron	7820		1	4.29	5.37	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-92-1	Lead	10.8		1	0.14	0.65	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-95-4	Magnesium	463	N	1	12.9	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-96-5	Manganese	21.2		1	0.15	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7439-97-6	Mercury	0.0090	U	1	0.0090	0.016	mg/Kg	05/09/25 16:05	05/12/25 10:27	7471B	
7440-02-0	Nickel	2.26		1	0.14	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-09-7	Potassium	404	N	1	29.8	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	1.07	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.54	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-23-5	Sodium	40.9	JN	1	19.1	107	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-28-0	Thallium	0.43	J	1	0.25	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-62-2	Vanadium	11.8	N	1	0.27	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	6010D	SW3050
7440-66-6	Zinc	7.19	N	1	0.25	2.15	mg/Kg	05/09/25 10:05	05/13/25 20:35	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