

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7770		1	0.90	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-36-0	Antimony	1.06	JN	1	0.24	2.67	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-38-2	Arsenic	7.35		1	0.20	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-39-3	Barium	30.4		1	0.78	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-41-7	Beryllium	0.70	N	1	0.027	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-43-9	Cadmium	0.044	J	1	0.026	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-70-2	Calcium	579		1	11.9	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-47-3	Chromium	14.9		1	0.050	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-48-4	Cobalt	4.09	N	1	0.11	1.60	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-50-8	Copper	2.79	N	1	0.24	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-89-6	Iron	18000		1	4.26	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-92-1	Lead	11.4	*	1	0.14	0.64	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-95-4	Magnesium	649		1	12.8	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-96-5	Manganese	74.2	*	1	0.15	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-97-6	Mercury	0.035		1	0.0090	0.016	mg/Kg	07/15/25 15:40	07/16/25 14:05	7471B	
7440-02-0	Nickel	6.57		1	0.14	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-09-7	Potassium	315		1	29.6	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7782-49-2	Selenium	5.01	N	1	0.28	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-22-4	Silver	0.20	JN	1	0.13	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-23-5	Sodium	137	N	1	19.0	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-62-2	Vanadium	27.2	N*	1	0.27	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-66-6	Zinc	17.1		1	0.12	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	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