

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7940		1	0.84	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-36-0	Antimony	1.62	JN	1	0.22	2.51	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-38-2	Arsenic	10.3		1	0.19	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-39-3	Barium	17.1		1	0.73	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-41-7	Beryllium	0.82	N	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-70-2	Calcium	383		1	11.2	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-47-3	Chromium	22.5		1	0.047	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-48-4	Cobalt	2.51	N	1	0.10	1.51	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-50-8	Copper	4.12	N	1	0.22	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-89-6	Iron	25400		1	4.01	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-92-1	Lead	11.0	*	1	0.13	0.60	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-95-4	Magnesium	388		1	12.1	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-96-5	Manganese	44.0	*	1	0.14	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-97-6	Mercury	0.022		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:49	7471B	
7440-02-0	Nickel	5.06		1	0.13	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-09-7	Potassium	337		1	27.8	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7782-49-2	Selenium	6.69	N	1	0.26	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-22-4	Silver	0.17	JN	1	0.12	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-23-5	Sodium	707	N	1	17.9	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-62-2	Vanadium	40.1	N*	1	0.25	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-66-6	Zinc	16.5		1	0.11	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	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