

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-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8400		1	0.84	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-36-0	Antimony	1.32	JN	1	0.22	2.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-38-2	Arsenic	6.73		1	0.19	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-39-3	Barium	53.0		1	0.73	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-41-7	Beryllium	0.79	N	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-70-2	Calcium	180		1	11.1	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-47-3	Chromium	11.4		1	0.047	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-48-4	Cobalt	2.27	N	1	0.10	1.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-50-8	Copper	1.26	N	1	0.22	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-89-6	Iron	23500		1	3.99	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-92-1	Lead	11.9	*	1	0.13	0.60	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-95-4	Magnesium	353		1	12.0	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-96-5	Manganese	38.3	*	1	0.14	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:47	7471B	
7440-02-0	Nickel	4.82		1	0.13	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-09-7	Potassium	409		1	27.7	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7782-49-2	Selenium	6.28	N	1	0.26	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-22-4	Silver	0.19	JN	1	0.12	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-23-5	Sodium	364	N	1	17.8	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-62-2	Vanadium	22.9	N*	1	0.25	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-66-6	Zinc	21.7		1	0.11	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	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