

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3690		1	0.98	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-36-0	Antimony	0.26	UN	1	0.26	2.92	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-38-2	Arsenic	4.94		1	0.22	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-39-3	Barium	13.7		1	0.85	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-41-7	Beryllium	0.64		1	0.029	0.35	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-43-9	Cadmium	0.028	U	1	0.028	0.35	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-70-2	Calcium	468	*	1	13.0	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-47-3	Chromium	19.5		1	0.055	0.59	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-48-4	Cobalt	1.73	J	1	0.12	1.75	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-50-8	Copper	19.8		1	0.26	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-89-6	Iron	24600		1	4.66	5.85	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-92-1	Lead	10.7		1	0.15	0.70	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-95-4	Magnesium	308		1	14.0	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-96-5	Manganese	45.0		1	0.16	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0090	0.016	mg/Kg	05/13/25 08:35	05/13/25 12:30	7471B	
7440-02-0	Nickel	2.19	J	1	0.15	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-09-7	Potassium	385		1	32.4	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7782-49-2	Selenium	1.90		1	0.30	1.17	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.59	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-23-5	Sodium	134	N	1	20.8	117	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-28-0	Thallium	1.95	J	1	0.27	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-62-2	Vanadium	22.7		1	0.29	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	6010D	SW3050
7440-66-6	Zinc	18.0		1	0.27	2.34	mg/Kg	05/13/25 10:05	05/16/25 14:49	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