

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-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1420		1	0.95	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-36-0	Antimony	0.25	UN	1	0.25	2.83	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-38-2	Arsenic	2.01		1	0.22	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-39-3	Barium	88.5		1	0.83	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-41-7	Beryllium	0.66		1	0.028	0.34	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-43-9	Cadmium	0.027	U	1	0.027	0.34	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-70-2	Calcium	736	*	1	12.6	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-47-3	Chromium	3.18		1	0.053	0.57	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-48-4	Cobalt	11.6		1	0.11	1.70	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-50-8	Copper	8.79		1	0.25	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-89-6	Iron	52100		1	4.52	5.67	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-92-1	Lead	3.70		1	0.15	0.68	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-95-4	Magnesium	36.5	J	1	13.6	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-96-5	Manganese	1880		1	0.16	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7439-97-6	Mercury	0.029		1	0.0080	0.015	mg/Kg	05/13/25 08:35	05/13/25 12:28	7471B	
7440-02-0	Nickel	4.50		1	0.15	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-09-7	Potassium	86.9	J	1	31.4	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7782-49-2	Selenium	4.21		1	0.30	1.13	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-22-4	Silver	0.14	U	1	0.14	0.57	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-23-5	Sodium	180	N	1	20.2	113	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-28-0	Thallium	4.13		1	0.26	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-62-2	Vanadium	4.94		1	0.28	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	6010D	SW3050
7440-66-6	Zinc	5.63		1	0.26	2.27	mg/Kg	05/13/25 10:05	05/16/25 14:44	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