

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-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5560		1	0.85	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.52	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-38-2	Arsenic	6.09		1	0.19	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-39-3	Barium	23.1		1	0.74	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-41-7	Beryllium	0.71		1	0.025	0.30	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-70-2	Calcium	5780	*	1	11.2	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-47-3	Chromium	18.7		1	0.047	0.50	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-48-4	Cobalt	3.32		1	0.10	1.51	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-50-8	Copper	13.1		1	0.22	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-89-6	Iron	20600		1	4.02	5.03	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-92-1	Lead	18.3		1	0.13	0.60	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-95-4	Magnesium	1500		1	12.1	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-96-5	Manganese	66.3		1	0.14	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7439-97-6	Mercury	0.027		1	0.0080	0.014	mg/Kg	05/13/25 08:35	05/13/25 12:26	7471B	
7440-02-0	Nickel	5.39		1	0.13	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-09-7	Potassium	354		1	27.9	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7782-49-2	Selenium	1.71		1	0.26	1.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-23-5	Sodium	141	N	1	17.9	101	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-28-0	Thallium	1.19	J	1	0.23	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-62-2	Vanadium	22.0		1	0.25	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	6010D	SW3050
7440-66-6	Zinc	24.3		1	0.23	2.01	mg/Kg	05/13/25 10:05	05/16/25 14:28	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