

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6420	*	1	0.93	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-36-0	Antimony	0.24	UN	1	0.24	2.78	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-38-2	Arsenic	4.23		1	0.21	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-39-3	Barium	21.3	N*	1	0.81	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-41-7	Beryllium	0.56		1	0.028	0.33	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-43-9	Cadmium	0.70		1	0.027	0.33	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-70-2	Calcium	486	*	1	12.3	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-47-3	Chromium	9.44		1	0.052	0.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-48-4	Cobalt	3.06		1	0.11	1.67	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-50-8	Copper	7.78		1	0.24	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-89-6	Iron	13300	*	1	4.43	5.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-92-1	Lead	14.3		1	0.14	0.67	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-95-4	Magnesium	730	*	1	13.3	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-96-5	Manganese	35.4		1	0.16	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7439-97-6	Mercury	0.028		1	0.0080	0.015	mg/Kg	06/02/25 08:35	06/03/25 14:04	7471B	
7440-02-0	Nickel	5.98		1	0.14	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-09-7	Potassium	242	*	1	30.8	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.56	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-23-5	Sodium	119	N*	1	19.8	111	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-28-0	Thallium	0.26	U	1	0.26	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-62-2	Vanadium	20.1		1	0.28	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	6010D	SW3050
7440-66-6	Zinc	23.9	N	1	0.26	2.22	mg/Kg	06/02/25 13:05	06/10/25 20:51	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