

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/16/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-COMP-SED-051625	SDG No.:	Q2085
Lab Sample ID:	Q2085-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3100	N	1	0.37	1.04	2.08	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-36-0	Antimony	0.078	U*	1	0.047	0.078	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-38-2	Arsenic	3.24	N	1	0.012	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-39-3	Barium	7.49		1	0.034	0.13	1.04	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-41-7	Beryllium	0.23		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-43-9	Cadmium	0.083	J	1	0.019	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-70-2	Calcium	326		1	4.97	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-47-3	Chromium	6.49		1	0.027	0.052	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-48-4	Cobalt	1.78		1	0.0090	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-50-8	Copper	4.06		1	0.068	0.10	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-89-6	Iron	6670	N	1	0.96	1.30	5.19	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-92-1	Lead	3.57		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-95-4	Magnesium	1020		1	2.00	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-96-5	Manganese	47.1		1	0.035	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:48	7471B	
7440-02-0	Nickel	4.03		1	0.045	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-09-7	Potassium	546		1	3.99	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7782-49-2	Selenium	0.47	U	1	0.29	0.47	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-22-4	Silver	0.052	UN	1	0.027	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-23-5	Sodium	2280		1	7.29	26.0	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-28-0	Thallium	0.071	J	1	0.015	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-62-2	Vanadium	9.66		1	0.011	0.026	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-66-6	Zinc	16.3	*	1	0.093	0.16	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

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