

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-1-SED-051625	SDG No.:	Q2085
Lab Sample ID:	Q2085-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	70.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3290	N	1	0.37	1.01	2.03	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-36-0	Antimony	2.12	*	1	0.046	0.076	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-38-2	Arsenic	2.49	N	1	0.012	0.025	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-39-3	Barium	7.23		1	0.033	0.13	1.01	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-41-7	Beryllium	0.24		1	0.032	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-43-9	Cadmium	0.097	J	1	0.018	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-70-2	Calcium	430		1	4.85	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-47-3	Chromium	5.35		1	0.026	0.051	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-48-4	Cobalt	1.94		1	0.0090	0.025	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-50-8	Copper	3.71		1	0.066	0.10	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-89-6	Iron	6010	N	1	0.93	1.27	5.07	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-92-1	Lead	4.25		1	0.032	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-95-4	Magnesium	1020		1	1.96	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-96-5	Manganese	50.7		1	0.034	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-97-6	Mercury	0.014	U	1	0.010	0.014	0.017	mg/Kg	05/27/25 13:44	05/29/25 12:10	7471B	
7440-02-0	Nickel	4.38		1	0.044	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-09-7	Potassium	620		1	3.89	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7782-49-2	Selenium	0.46	U	1	0.28	0.46	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-22-4	Silver	0.051	UN	1	0.026	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-23-5	Sodium	2270		1	7.11	25.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-28-0	Thallium	0.062	J	1	0.014	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-62-2	Vanadium	7.42		1	0.011	0.025	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-66-6	Zinc	27.3	*	1	0.091	0.15	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	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