

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	05/23/25
Project:	LOD-LOQ-MDL Study	Date Received:	05/23/25
Client Sample ID:	LOD-MDL-SOIL-03-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1.01	J	1	0.84	5.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-36-0	Antimony	0.43	J	1	0.22	2.50	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-38-2	Arsenic	0.22	J	1	0.19	1.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-39-3	Barium	0.91	J	1	0.73	5.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-41-7	Beryllium	0.062	J	1	0.025	0.30	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-43-9	Cadmium	0.057	J	1	0.024	0.30	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-70-2	Calcium	19.5	J	1	11.1	100	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-47-3	Chromium	0.051	J	1	0.047	0.50	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-48-4	Cobalt	0.28	J	1	0.10	1.50	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-50-8	Copper	0.22	U	1	0.22	1.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7439-89-6	Iron	3.99	U	1	3.99	5.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7439-92-1	Lead	0.13	U	1	0.13	0.60	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7439-95-4	Magnesium	18.9	J	1	12.0	100	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7439-96-5	Manganese	0.14	U	1	0.14	1.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-02-0	Nickel	0.37	J	1	0.13	2.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-09-7	Potassium	27.7	U	1	27.7	100	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-22-4	Silver	0.12	U	1	0.12	0.50	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-23-5	Sodium	22.1	J	1	17.8	100	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-28-0	Thallium	0.35	J	1	0.23	2.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-62-2	Vanadium	0.29	J	1	0.25	2.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050
7440-66-6	Zinc	0.36	J	1	0.23	2.00	mg/Kg	06/17/25 16:40	07/31/25 18:11	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Texture:	Fine
Color After:	Colorless	Clarity After:	Artifacts:	No
Comments:	Metals ICP-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