

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	1.76	J	1	0.36	2.00	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-36-0	Antimony	0.088	J	1	0.045	0.20	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-38-2	Arsenic	0.081	J	1	0.012	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-39-3	Barium	0.43	J	1	0.033	1.00	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-41-7	Beryllium	0.097	J	1	0.032	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-43-9	Cadmium	0.077	J	1	0.018	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-70-2	Calcium	8.40	J	1	4.79	50.0	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-47-3	Chromium	0.071	J	1	0.026	0.20	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-48-4	Cobalt	0.092	J	1	0.0090	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-50-8	Copper	0.26		1	0.065	0.20	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7439-89-6	Iron	3.96	J	1	0.92	5.00	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7439-92-1	Lead	0.12		1	0.032	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7439-95-4	Magnesium	8.53	J	1	1.93	50.0	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7439-96-5	Manganese	0.26		1	0.034	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7439-98-7	Molybdenum	0.18	J	1	0.079	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-02-0	Nickel	0.10		1	0.043	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-09-7	Potassium	5.31	J	1	3.84	50.0	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-22-4	Silver	0.080	J	1	0.026	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-23-5	Sodium	9.51	J	1	7.02	50.0	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-24-6	Strontium	0.085	J	1	0.052	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-28-0	Thallium	0.081	J	1	0.014	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-31-5	Tin	0.083	J	1	0.032	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-32-6	Titanium	0.18	J	1	0.073	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-61-1	Uranium	0.074	J	1	0	0.10	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-62-2	Vanadium	0.090	J	1	0.011	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050
7440-66-6	Zinc	0.25	J	1	0.090	0.50	mg/Kg	07/30/25 10:00	08/25/25 17:49	6020B	SW3050

Color Before:	Colorless	Clarity Before:	Texture:	Fine
Color After:	Colorless	Clarity After:	Artifacts:	No
Comments:	Metals Group3			

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