

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-WATER-04-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-10	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	19.4	J	1	3.80	20.0	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-36-0	Antimony	0.89	J	1	0.32	2.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-38-2	Arsenic	0.83	J	1	0.14	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-39-3	Barium	4.51	J	1	0.29	10.0	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-41-7	Beryllium	0.96	J	1	0.26	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-43-9	Cadmium	0.94	J	1	0.14	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-70-2	Calcium	91.5	U	1	91.5	500	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-47-3	Chromium	0.96	J	1	0.047	2.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-48-4	Cobalt	0.98	J	1	0.050	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-50-8	Copper	3.36		1	0.65	2.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7439-89-6	Iron	46.3	J	1	1.96	50.0	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7439-92-1	Lead	1.53		1	0.27	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7439-95-4	Magnesium	91.1	J	1	20.0	500	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7439-96-5	Manganese	3.34		1	0.19	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7439-98-7	Molybdenum	2.63	J	1	0.67	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-02-0	Nickel	1.38		1	0.15	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-09-7	Potassium	57.8	J	1	23.8	500	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7782-49-2	Selenium	2.86	U	1	2.86	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-22-4	Silver	0.76	J	1	0.15	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-23-5	Sodium	107	U	1	107	500	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-28-0	Thallium	0.86	J	1	0.11	1.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-31-5	Tin	0.84	J	1	0.35	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-32-6	Titanium	2.56	J	1	0.59	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-62-2	Vanadium	0.95	J	1	0.11	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	
7440-66-6	Zinc	3.33	J	1	0.62	5.00	ug/L	07/30/25 09:30	08/25/25 18:02	200.8	

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group7			

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