

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:	MDL-WATER-06-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-12	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	7.49	J	1	3.80	20.0	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-36-0	Antimony	0.38	J	1	0.32	2.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-38-2	Arsenic	0.33	J	1	0.14	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-39-3	Barium	1.94	J	1	0.29	10.0	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-41-7	Beryllium	0.47	J	1	0.26	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-43-9	Cadmium	0.43	J	1	0.14	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-70-2	Calcium	168	J	1	91.5	500	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-47-3	Chromium	0.047	U	1	0.047	2.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-48-4	Cobalt	0.38	J	1	0.050	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-50-8	Copper	0.66	J	1	0.65	2.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7439-89-6	Iron	14.0	J	1	1.96	50.0	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7439-92-1	Lead	0.34	J	1	0.27	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7439-95-4	Magnesium	187	J	1	20.0	500	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7439-96-5	Manganese	0.70	J	1	0.19	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7439-98-7	Molybdenum	0.67	U	1	0.67	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-02-0	Nickel	0.42	J	1	0.15	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-09-7	Potassium	111	J	1	23.8	500	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7782-49-2	Selenium	2.86	U	1	2.86	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-22-4	Silver	0.40	J	1	0.15	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-23-5	Sodium	177	J	1	107	500	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-28-0	Thallium	0.35	J	1	0.11	1.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-31-5	Tin	0.35	U	1	0.35	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-32-6	Titanium	0.59	U	1	0.59	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-62-2	Vanadium	0.42	J	1	0.11	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	200.8	
7440-66-6	Zinc	0.62	U	1	0.62	5.00	ug/L	07/30/25 09:30	08/25/25 18:06	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