

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-03-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-09	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	7.13	J	1	1.94	20.0	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-36-0	Antimony	0.38	J	1	0.11	2.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-38-2	Arsenic	0.39	J	1	0.089	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-39-3	Barium	1.92	J	1	0.21	10.0	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-41-7	Beryllium	0.44	J	1	0.32	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-43-9	Cadmium	0.41	J	1	0.34	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-70-2	Calcium	171	J	1	45.7	500	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-48-4	Cobalt	0.43	J	1	0.070	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-50-8	Copper	0.71	J	1	0.30	2.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7439-89-6	Iron	12.4	J	1	7.81	50.0	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7439-92-1	Lead	0.33	J	1	0.21	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7439-95-4	Magnesium	188	J	1	19.5	500	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7439-96-5	Manganese	0.68	J	1	0.43	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7439-98-7	Molybdenum	0.31	J	1	0.27	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-02-0	Nickel	0.51	J	1	0.27	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-09-7	Potassium	119	J	1	36.4	500	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7782-49-2	Selenium	2.97	J	1	2.90	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-22-4	Silver	0.40	J	1	0.060	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-23-5	Sodium	181	J	1	128	500	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-24-6	Strontium	0.35	J	1	0.084	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-28-0	Thallium	0.35	J	1	0.060	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-31-5	Tin	0.31	U	1	0.31	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-32-6	Titanium	0.38	J	1	0.20	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-61-1	Uranium	0.33	J	1	0	1.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-62-2	Vanadium	0.41	J	1	0.077	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	07/30/25 09:30	08/25/25 17:59	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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