

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	92.8	J	1	30.8	100	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-36-0	Antimony	42.4	J	1	5.44	50.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-38-2	Arsenic	11.9	J	1	3.70	20.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-39-3	Barium	84.7	J	1	19.5	100	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-41-7	Beryllium	5.06	J	1	0.54	6.00	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-42-8	Boron	81.8	J	1	13.8	100	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-43-9	Cadmium	4.37	J	1	0.62	6.00	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-70-2	Calcium	1610	J	1	173	2000	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-47-3	Chromium	8.28	J	1	1.06	10.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-48-4	Cobalt	24.5	J	1	2.32	30.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-50-8	Copper	18.7	J	1	3.78	20.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7439-89-6	Iron	86.3	J	1	36.0	100	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7439-92-1	Lead	8.88	J	1	2.42	12.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7439-95-4	Magnesium	1740	J	1	208	2000	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7439-96-5	Manganese	15.2	J	1	4.92	20.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7439-98-7	Molybdenum	161	J	1	17.6	200	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-02-0	Nickel	31.1	J	1	3.80	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-09-7	Potassium	1140	J	1	618	2000	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7782-49-2	Selenium	18.0	J	1	5.04	20.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-21-3	Silicon	308	J	1	37.4	400	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-22-4	Silver	6.90	J	1	1.62	10.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-23-5	Sodium	1450	J	1	734	2000	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-28-0	Thallium	31.1	J	1	5.02	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-31-5	Tin	29.5	J	1	5.36	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-32-6	Titanium	34.1	J	1	7.82	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-62-2	Vanadium	30.7	J	1	4.98	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7
7440-66-6	Zinc	33.2	J	1	3.20	40.0	ug/L	06/18/25 18:20	08/01/25 16:10	EPA 200.7	E200.7

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group 10			

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