

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-01-QT2-2025	SDG No.:	Q2126
Lab Sample ID:	Q2126-07	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	18.6	J	1	11.3	100	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-36-0	Antimony	6.76	U	1	6.76	50.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-38-2	Arsenic	5.12	U	1	5.12	20.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-39-3	Barium	16.8	J	1	14.6	100	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-41-7	Beryllium	1.19	J	1	0.56	6.00	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-43-9	Cadmium	1.12	J	1	0.50	6.00	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-70-2	Calcium	390	J	1	234	2000	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-47-3	Chromium	2.12	U	1	2.12	10.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-48-4	Cobalt	5.60	J	1	2.26	30.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-50-8	Copper	4.60	U	1	4.60	20.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7439-89-6	Iron	23.4	U	1	23.4	100	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7439-92-1	Lead	2.85	J	1	2.30	12.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7439-95-4	Magnesium	374	J	1	244	2000	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7439-96-5	Manganese	5.94	U	1	5.94	20.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-02-0	Nickel	7.40	J	1	3.06	40.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-09-7	Potassium	918	U	1	918	2000	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7782-49-2	Selenium	9.64	U	1	9.64	20.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-22-4	Silver	2.40	J	1	1.62	10.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-23-5	Sodium	868	U	1	868	2000	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-28-0	Thallium	5.26	J	1	4.38	40.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-62-2	Vanadium	6.84	J	1	6.26	40.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010
7440-66-6	Zinc	16.7	U	1	16.7	40.0	ug/L	06/17/25 18:20	07/31/25 18:33	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals ICP-TAL			

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