

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	MDL-WATER-03-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-09	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	7.45	J	1	1.94	20.0	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-36-0	Antimony	0.40	J	1	0.11	2.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-38-2	Arsenic	0.40	J	1	0.089	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-39-3	Barium	1.97	J	1	0.21	10.0	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-41-7	Beryllium	0.37	J	1	0.32	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-43-9	Cadmium	0.48	J	1	0.34	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-70-2	Calcium	197	J	1	45.7	500	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-47-3	Chromium	0.70	J	1	0.21	2.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-48-4	Cobalt	0.41	J	1	0.070	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-50-8	Copper	0.94	J	1	0.30	2.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7439-89-6	Iron	21.4	J	1	7.81	50.0	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7439-92-1	Lead	0.40	J	1	0.21	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7439-95-4	Magnesium	179	J	1	19.5	500	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7439-96-5	Manganese	0.65	J	1	0.43	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7439-98-7	Molybdenum	0.40	J	1	0.27	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-02-0	Nickel	0.56	J	1	0.27	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-09-7	Potassium	121	J	1	36.4	500	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-22-4	Silver	0.43	J	1	0.060	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-23-5	Sodium	191	J	1	128	500	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-24-6	Strontium	0.38	J	1	0.084	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-28-0	Thallium	0.37	J	1	0.060	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-31-5	Tin	0.72	J	1	0.31	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-32-6	Titanium	0.37	J	1	0.20	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-61-1	Uranium	0.35	J	1	0	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-62-2	Vanadium	0.41	J	1	0.077	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	3010A
7440-67-7	Zirconium	0.44	J	1	0	1.00	ug/L	04/08/25 10:25	04/09/25 18:55	SW6020	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