

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1.34	J	1	0.36	2.00	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-36-0	Antimony	0.072	J	1	0.045	0.20	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-38-2	Arsenic	0.076	J	1	0.012	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-39-3	Barium	0.36	J	1	0.033	1.00	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-41-7	Beryllium	0.076	J	1	0.032	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-43-9	Cadmium	0.089	J	1	0.018	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-70-2	Calcium	7.69	J	1	4.79	50.0	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-47-3	Chromium	0.13	J	1	0.026	0.20	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-48-4	Cobalt	0.074	J	1	0.0090	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-50-8	Copper	0.16	J	1	0.065	0.20	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7439-89-6	Iron	4.04	J	1	0.92	5.00	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7439-92-1	Lead	0.068	J	1	0.032	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7439-95-4	Magnesium	6.94	J	1	1.93	50.0	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7439-96-5	Manganese	0.16		1	0.034	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7439-98-7	Molybdenum	0.079	U	1	0.079	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-02-0	Nickel	0.10		1	0.043	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-09-7	Potassium	3.91	J	1	3.84	50.0	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-22-4	Silver	0.076	J	1	0.026	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-23-5	Sodium	7.73	J	1	7.02	50.0	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-24-6	Strontium	0.069	J	1	0.052	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-28-0	Thallium	0.068	J	1	0.014	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-31-5	Tin	0.071	J	1	0.032	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-32-6	Titanium	0.073	U	1	0.073	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-61-1	Uranium	0.065	J	1	0	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-62-2	Vanadium	0.075	J	1	0.011	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-66-6	Zinc	0.17	J	1	0.090	0.50	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050
7440-67-7	Zirconium	0.068	J	1	0	0.10	mg/Kg	04/08/25 08:30	04/09/25 18:26	SW6020	SW3050

Color Before:	Colorless	Clarity Before:	Texture:	Fine
Color After:	Colorless	Clarity After:	Artifacts:	No
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