



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ERA
16341 Table Mountain Parkway
Golden, CO 80403
Brooke Glaser Phone: (303) 464 3577
Email: Brooke_Glaser@waters.com

CHEMICAL

Valid To: September 30, 2024

Certificate Number: 1539.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests using the testing technologies indicated and in the analyte categories identified below:

Testing Technologies

Atomic Absorption/ICP-AES Spectrometry, Gas Chromatography, Gas Chromatography/Mass Spectrometry, Gravimetry, High Performance Liquid Chromatography, Ion Chromatography, Methylene Blue Active Substances, Microbiology, Misc.-Electronic Probes (pH, ion selective electrodes, O₂), Oxygen Demand, Spectrophotometry (Visible), Spectrophotometry (Automated), Titrimetry, Total Organic Carbon, Turbidity, Gamma Detectors, Liquid Scintillation Detectors, Gas Proportion Detector

<u>Parameter/Analyte</u>	<u>Method</u>
Acidity	730002500
Ammonia by ISE	730002510
Anions and DBPs by IC ¹	730002523 & 730002527
Chemical Oxygen Demand (COD)	730002495
Conductivity	730002472 & 730002476
Dissolved Oxygen by ISE	730002943
Flashpoint	730002526
Fluoride by ISE	730002522
Haloacetic Acids by HPLC/UV ¹	730002571 & 730002570
Hexavalent Chromium by UV/Spec	730002494
Mercury by CVAA	730002524
Metals by ICP-AES ¹	730002520
Metals by ICP-MS ¹	730002521
Methylene Blue Active Substances (MBAS) by by UV/Spec ¹	730002504
Oil & Grease	730002497 & 730002353
PCBs in Oil by GC/ECD ¹	730002569 & 730002562
Perchlorate by IC	730002523
pH	730002501
Phenolics (simple) by by UV/Spec ¹	730002490
Radiochemical Analysis by LSC, Gamma Spec, Alpha Spec ¹	730002484

<u>Parameter/Analyte</u>	<u>Method</u>
Semivolatiles ¹ <ul style="list-style-type: none"> • Aliphatic Hydrocarbons, Hydrocarbon Fuels by GC/FID • Aromatic Amines, Aromatics, Haloethers, Nitrosoamines, Nitroaromatics & Cyclic Ketones, Polynuclear Aromatic Hydrocarbons and Phthalate esters by GC/MSD • Chlorinated hydrocarbons by GC/MSD, GC/ECD • Organonitrogen Pesticides and Organophosphorus Pesticides by GC/NPD, GC/ECD • Organochlorine Pesticides, Dioxins and Furans, and Polychlorinated Biphenyls by GC/ECD • Phenolics, Acids, Phthalates, Herbicides, Haloacetic Acids, Carbamates, TOX, Nitroaromatics, Nitrosoamines HPLC/UV, PAHs by HPLC/UV, HPLC/FLD • PFAS by LC/MS/MS 	730002562 & 730002570
Settleable Solids	730002503
Sulfide	730002516
Total Alkalinity	730002515
Total and Free Cyanide by UV/Spec	730002507
Total and Free Residual Chlorine by UV/Spec	730002509 & 730002895
Total Dissolved Solids	730002492
Total Kjeldahl Nitrogen (TKN) by UV/Spec, ISE	730002498
Total Organic Carbon (TOC)	730002496
Total Petroleum Hydrocarbon	730002563 & 730002352
Total Solids in Water	730002491
Total Suspended Solids	730002493
Total Volatile Solids (TVS)	730002502
Turbidity in Water Samples	730002499
Volatiles by GC/MSD ¹	730002564 & 730002565

BIOLOGICAL

<u>Parameter/Organisms</u>	<u>Method</u>
Microbiology Products Verification (E. coli, coliforms, HPC) by MPN, Membrane Filtration, Pour Plate	730002567

¹The portions of this Scope meet the A2LA P112 Flexible Scope Policy





Accredited Laboratory

A2LA has accredited

ERA

Golden, CO

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 30th day of January 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1539.02
Valid to September 30, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Testing Scope of Accreditation.