

Laboratory Scope of Accreditation



Attached to Certificate of Accreditation 011-001 expiration date January 31, 2020. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

DEP Laboratory ID: 68-03116
PADWIS ID: 03116

EPA Lab Code: CO00078

TNI Code: TNI00264

(970) 490-1511

ALS Environmental - Fort Collins

225 Commerce Drive

Fort Collins, CO 80524

Matrix: Drinking Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
ASTM D3972-90		Uranium, total	NELAP	UT	1/11/2018
DOE Sr-02		Strontium-89, 90	NELAP	UT	1/11/2018
DOE U-02		Uranium, total	NELAP	UT	1/11/2018
EPA 900.0		Gross alpha	NELAP	UT	1/11/2018
EPA 900.0		Gross beta	NELAP	UT	1/11/2018
EPA 901.1		Cobalt-60	NELAP	UT	1/11/2018
EPA 901.1		Gamma emitters	NELAP	UT	1/11/2018
EPA 901.1		Radioactive cesium	NELAP	UT	1/11/2018
EPA 903.0		Radium-226	NELAP	UT	1/11/2018
EPA 903.0		Total alpha radium	NELAP	UT	1/11/2018
EPA 903.1		Radium-226	NELAP	UT	1/11/2018
EPA 904.0		Radium-228	NELAP	UT	1/11/2018
EPA 906.0		Tritium	NELAP	UT	1/11/2018
SM 7500-3H B		Tritium	NELAP	UT	1/11/2018

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
ASTM D3972-90		Thorium-228	NELAP	UT	1/11/2018
ASTM D3972-90		Thorium-230	NELAP	UT	1/11/2018
ASTM D3972-90		Thorium-232	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-228	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-230	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-232	NELAP	UT	1/11/2018
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	UT	1/11/2018
EPA 1664	A	Oil and grease	NELAP	UT	1/11/2018
EPA 245.1	3.0	Mercury	NELAP	UT	1/11/2018
EPA 3005	A	Preconcentration under acid	NELAP	UT	1/11/2018
EPA 3010	A	Hot plate acid digestion (HNO ₃ + HCl)	NELAP	UT	1/11/2018
EPA 6010		Aluminum	NELAP	UT	1/11/2018
EPA 6010		Antimony	NELAP	UT	1/11/2018
EPA 6010		Arsenic	NELAP	UT	1/11/2018
EPA 6010		Barium	NELAP	UT	1/11/2018
EPA 6010		Beryllium	NELAP	UT	1/11/2018
EPA 6010		Boron	NELAP	UT	1/11/2018

Raven Alger

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EPA Lab Code: CO00078

TNI Code: TNI00264

(970) 490-1511

PADWIS ID: 03116

Matrix: Non-Potable Water

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 6010		Cadmium	NELAP	UT	1/11/2018
EPA 6010		Calcium	NELAP	UT	1/11/2018
EPA 6010		Chromium	NELAP	UT	1/11/2018
EPA 6010		Cobalt	NELAP	UT	1/11/2018
EPA 6010		Copper	NELAP	UT	1/11/2018
EPA 6010		Iron	NELAP	UT	1/11/2018
EPA 6010		Lead	NELAP	UT	1/11/2018
EPA 6010		Lithium	NELAP	UT	1/11/2018
EPA 6010		Magnesium	NELAP	UT	1/11/2018
EPA 6010		Manganese	NELAP	UT	1/11/2018
EPA 6010	D	Metals by ICP/AES	NELAP	UT	1/8/2019
EPA 6010		Molybdenum	NELAP	UT	1/11/2018
EPA 6010		Nickel	NELAP	UT	1/11/2018
EPA 6010		Potassium	NELAP	UT	1/11/2018
EPA 6010		Selenium	NELAP	UT	1/11/2018
EPA 6010		Silicon	NELAP	UT	1/11/2018
EPA 6010		Silver	NELAP	UT	1/11/2018
EPA 6010		Sodium	NELAP	UT	1/11/2018
EPA 6010		Strontium	NELAP	UT	1/11/2018
EPA 6010		Thallium	NELAP	UT	1/11/2018
EPA 6010		Tin	NELAP	UT	1/11/2018
EPA 6010		Titanium	NELAP	UT	1/11/2018
EPA 6010		Vanadium	NELAP	UT	1/11/2018
EPA 6010		Zinc	NELAP	UT	1/11/2018
EPA 6020		Aluminum	NELAP	UT	1/11/2018
EPA 6020		Antimony	NELAP	UT	1/11/2018
EPA 6020		Arsenic	NELAP	UT	1/11/2018
EPA 6020		Cadmium	NELAP	UT	1/11/2018
EPA 6020		Calcium	NELAP	UT	1/11/2018
EPA 6020		Copper	NELAP	UT	1/11/2018
EPA 6020		Iron	NELAP	UT	1/11/2018
EPA 6020		Lead	NELAP	UT	1/11/2018
EPA 6020		Magnesium	NELAP	UT	1/11/2018
EPA 6020	B	Metals by ICP/MS	NELAP	UT	1/8/2019
EPA 6020		Molybdenum	NELAP	UT	1/11/2018
EPA 6020		Nickel	NELAP	UT	1/11/2018
EPA 6020		Potassium	NELAP	UT	1/11/2018
EPA 6020		Selenium	NELAP	UT	1/11/2018
EPA 6020		Silver	NELAP	UT	1/11/2018
EPA 6020		Strontium	NELAP	UT	1/11/2018
EPA 6020		Thallium	NELAP	UT	1/11/2018
EPA 6020		Thorium	NELAP	UT	1/11/2018
EPA 6020		Uranium, total	NELAP	UT	1/11/2018
EPA 6020		Vanadium	NELAP	UT	1/11/2018
EPA 7470	A	Mercury	NELAP	UT	1/11/2018

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EPA 900.0		Gross alpha	NELAP	UT	1/11/2018
EPA 900.0		Gross beta	NELAP	UT	1/11/2018
EPA 901.1		Cesium-134	NELAP	UT	1/11/2018
EPA 901.1		Cesium-137	NELAP	UT	1/11/2018
EPA 901.1		Cobalt-60	NELAP	UT	1/11/2018
EPA 901.1		Gamma emitters	NELAP	PA	1/8/2019
EPA 9010	C	Total cyanide	NELAP	UT	1/11/2018
EPA 9014		Total cyanide	NELAP	UT	1/11/2018
EPA 903.1		Radium-226	NELAP	UT	1/11/2018
EPA 9034		Sulfide	NELAP	UT	1/11/2018
EPA 904.0		Radium-228	NELAP	UT	1/11/2018
EPA 9056	A	Anions by IC	NELAP	UT	1/11/2018
EPA 9056		Bromide	NELAP	UT	1/11/2018
EPA 9056		Chloride	NELAP	UT	1/11/2018
EPA 9056		Fluoride	NELAP	UT	1/11/2018
EPA 9056		Nitrate as N	NELAP	UT	1/11/2018
EPA 9056		Nitrite as N	NELAP	UT	1/11/2018
EPA 9056		Orthophosphate as P	NELAP	UT	1/11/2018
EPA 9056		Sulfate	NELAP	UT	1/11/2018
EPA 906.0		Tritium	NELAP	UT	1/11/2018
EPA 9060	A	Total organic carbon (TOC)	NELAP	UT	1/11/2018
EPA 9310		Gross alpha	NELAP	UT	1/11/2018
EPA 9310		Gross beta	NELAP	UT	1/11/2018
EPA 9315		Total alpha radium	NELAP	UT	1/11/2018
EPA 9320		Radium-228	NELAP	UT	1/11/2018
SM 7500-Ra C		Radium-226	NELAP	UT	1/11/2018

Matrix: Solid and Chemical Materials

Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
ASTM D3972-90		Thorium-228	NELAP	UT	1/11/2018
ASTM D3972-90		Thorium-230	NELAP	UT	1/11/2018
ASTM D3972-90		Thorium-232	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-228	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-230	NELAP	UT	1/11/2018
EPA 053917 p. 33 EMSL-LV		Thorium-232	NELAP	UT	1/11/2018
EPA 1311		Toxicity characteristic leaching procedure (TCLP)	NELAP	UT	1/11/2018
EPA 3050	B	Acid digestion of solids	NELAP	UT	1/11/2018
EPA 6010		Aluminum	NELAP	UT	1/11/2018
EPA 6010		Antimony	NELAP	UT	1/11/2018
EPA 6010		Arsenic	NELAP	UT	1/11/2018
EPA 6010		Barium	NELAP	UT	1/11/2018

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Method	Revision	Analyte	Accreditation Type	Primary	Effective Date
EPA 6010		Beryllium	NELAP	UT	1/11/2018
EPA 6010		Boron	NELAP	UT	1/11/2018
EPA 6010		Cadmium	NELAP	UT	1/11/2018
EPA 6010		Calcium	NELAP	UT	1/11/2018
EPA 6010		Chromium	NELAP	UT	1/11/2018
EPA 6010		Cobalt	NELAP	UT	1/11/2018
EPA 6010		Copper	NELAP	UT	1/11/2018
EPA 6010		Iron	NELAP	UT	1/11/2018
EPA 6010		Lead	NELAP	UT	1/11/2018
EPA 6010		Lithium	NELAP	UT	1/11/2018
EPA 6010		Magnesium	NELAP	UT	1/11/2018
EPA 6010		Manganese	NELAP	UT	1/11/2018
EPA 6010	D	Metals by ICP/AES	NELAP	UT	1/8/2019
EPA 6010		Molybdenum	NELAP	UT	1/11/2018
EPA 6010		Nickel	NELAP	UT	1/11/2018
EPA 6010		Potassium	NELAP	UT	1/11/2018
EPA 6010		Selenium	NELAP	UT	1/11/2018
EPA 6010		Silica, as SiO ₂	NELAP	UT	1/11/2018
EPA 6010		Silicon	NELAP	UT	1/11/2018
EPA 6010		Silver	NELAP	UT	1/11/2018
EPA 6010		Sodium	NELAP	UT	1/11/2018
EPA 6010		Strontium	NELAP	UT	1/11/2018
EPA 6010		Thallium	NELAP	UT	1/11/2018
EPA 6010		Tin	NELAP	UT	1/11/2018
EPA 6010		Titanium	NELAP	UT	1/11/2018
EPA 6010		Vanadium	NELAP	UT	1/11/2018
EPA 6010		Zinc	NELAP	UT	1/11/2018
EPA 6020		Aluminum	NELAP	UT	1/11/2018
EPA 6020		Antimony	NELAP	UT	1/11/2018
EPA 6020		Arsenic	NELAP	UT	1/11/2018
EPA 6020		Cadmium	NELAP	UT	1/11/2018
EPA 6020		Copper	NELAP	UT	1/11/2018
EPA 6020		Lead	NELAP	UT	1/11/2018
EPA 6020	B	Metals by ICP/MS	NELAP	UT	1/8/2019
EPA 6020		Nickel	NELAP	UT	1/11/2018
EPA 6020		Silver	NELAP	UT	1/11/2018
EPA 6020		Thallium	NELAP	UT	1/11/2018
EPA 6020		Thorium	NELAP	UT	1/11/2018
EPA 6020		Uranium, total	NELAP	UT	1/11/2018
EPA 6020		Vanadium	NELAP	UT	1/11/2018
EPA 7.3.3.2		Reactive cyanide	NELAP	UT	1/11/2018
EPA 7.3.4.2		Reactive sulfide	NELAP	UT	1/11/2018
EPA 7196	A	Chromium VI	NELAP	UT	1/11/2018
EPA 7471	B	Mercury	NELAP	UT	1/8/2019
EPA 901.1		Cesium-134	NELAP	UT	1/11/2018



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EPA 901.1		Cesium-137	NELAP	UT	1/11/2018
EPA 901.1		Cobalt-60	NELAP	UT	1/11/2018
EPA 9010	C	Total cyanide	NELAP	UT	1/11/2018
EPA 9014		Total cyanide	NELAP	UT	1/11/2018
EPA 9034		Sulfide	NELAP	UT	1/11/2018
EPA 9056	A	Anions by IC	NELAP	UT	1/11/2018
EPA 9056		Bromide	NELAP	UT	1/11/2018
EPA 9056		Chloride	NELAP	UT	1/11/2018
EPA 9056		Fluoride	NELAP	UT	1/11/2018
EPA 9056		Nitrate as N	NELAP	UT	1/11/2018
EPA 9056		Nitrite as N	NELAP	UT	1/11/2018
EPA 9056		Orthophosphate as P	NELAP	UT	1/11/2018
EPA 9056		Sulfate	NELAP	UT	1/11/2018
EPA 9071		Oil and grease	NELAP	UT	1/11/2018
EPA 9310		Gross alpha	NELAP	UT	1/11/2018
EPA 9310		Gross beta	NELAP	UT	1/11/2018
EPA 9315		Total alpha radium	NELAP	UT	1/11/2018
EPA 9320		Radium-228	NELAP	UT	1/11/2018
SM 7500-Ra C		Radium-226	NELAP	UT	1/11/2018



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**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Certifies That

68-03116

ALS Environmental - Fort Collins

225 Commerce Drive, Fort Collins, CO, 80524

Having duly met the requirement of

The act of June 29, 2002 (P.L. 596, No. 90)

dealing with Environmental Laboratories Accreditation

(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAC Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: 01/31/2020

Certificate Number: 011

A handwritten signature in black ink, appearing to read "Aaren Alger".

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable. Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

Aaren S. Alger, Chief
Laboratory Accreditation Program
Bureau of Laboratories