CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Brooks Applied Labs
13751 Lake City Way NE, Ste. 108
Seattle, WA 98125

Fulfills the requirements of

ISO/IEC 17025:2017

and the

TNI Laboratory Accreditation Standard (EL-V1-2016)

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 30 March 2025

Certificate Number: ADE-1447.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

and

TNI Laboratory Accreditation Standard (EL-V1-2016)

Brooks Applied Labs, LLC

13751 Lake City Way NE, Ste. 108
Seattle, WA 98125
Amber Dichter
206-632-6206

TESTING

Valid to: **March 30, 2025** Certificate Number: **ADE-1447.01**

Environmental

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	BAL-5000	Aluminum
ICP-MS	BAL-5000	Arsenic
ICP-MS	BAL-5000	Antimony
ICP-MS	BAL-5000	Barium
ICP-MS	BAL-5000	Beryllium
ICP-MS	BAL-5000	Boron
ICP-MS	BAL-5000	Calcium
ICP-MS	BAL-5000	Cadmium
ICP-MS	BAL-5000	Chromium
ICP-MS	BAL-5000	Cobalt
ICP-MS	BAL-5000	Copper
ICP-MS	BAL-5000	Iron
ICP-MS	BAL-5000	Lead
ICP-MS	BAL-5000	Magnesium
ICP-MS	BAL-5000	Manganese
ICP-MS	BAL-5000	Molybdenum
ICP-MS	BAL-5000	Nickel

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	BAL-5000	Selenium
ICP-MS	BAL-5000	Silver
ICP-MS	BAL-5000	Strontium
ICP-MS	BAL-5000	Thallium
ICP-MS	BAL-5000	Tin
ICP-MS	BAL-5000	Uranium
ICP-MS	BAL-5000	Vanadium
ICP-MS	BAL-5000	Zinc
ICP-MS	EPA 1638 mod	Aluminum
ICP-MS	EPA 1638 mod	Arsenic
ICP-MS	EPA 1638 mod	Antimony
ICP-MS	EPA 1638 mod	Barium
ICP-MS	EPA 1638 mod	Beryllium
ICP-MS	EPA 1638 mod	Boron
ICP-MS	EPA 1638 mod	Calcium
ICP-MS	EPA 1638 mod	Cadmium
ICP-MS	EPA 1638 mod	Chromium
ICP-MS	EPA 1638 mod	Cobalt
ICP-MS	EPA 1638 mod	Copper
ICP-MS	EPA 1638 mod	Iron
ICP-MS	EPA 1638 mod	Lead
ICP-MS	EPA 1638 mod	Magnesium
ICP-MS	EPA 1638 mod	Manganese
ICP-MS	EPA 1638 mod	Molybdenum
ICP-MS	EPA 1638 mod	Nickel
ICP-MS	EPA 1638 mod	Selenium
ICP-MS	EPA 1638 mod	Silver
ICP-MS	EPA 1638 mod	Strontium
ICP-MS	EPA 1638 mod	Thallium
ICP-MS	EPA 1638 mod	Tin
ICP-MS	EPA 1638 mod	Uranium
ICP-MS	EPA 1638 mod	Vanadium
ICP-MS	EPA 1638 mod	Zinc
ICP-MS	EPA 200.8 mod	Aluminum
ICP-MS	EPA 200.8 mod	Arsenic

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8 mod	Antimony
ICP-MS	EPA 200.8 mod	Barium
ICP-MS	EPA 200.8 mod	Beryllium
ICP-MS	EPA 200.8 mod	Boron
ICP-MS	EPA 200.8 mod	Calcium
ICP-MS	EPA 200.8 mod	Cadmium
ICP-MS	EPA 200.8 mod	Chromium
ICP-MS	EPA 200.8 mod	Cobalt
ICP-MS	EPA 200.8 mod	Copper
ICP-MS	EPA 200.8 mod	Iron
ICP-MS	EPA 200.8 mod	Lead
ICP-MS	EPA 200.8 mod	Magnesium
ICP-MS	EPA 200.8 mod	Manganese
ICP-MS	EPA 200.8 mod	Molybdenum
ICP-MS	EPA 200.8 mod	Nickel
ICP-MS	EPA 200.8 mod	Selenium
ICP-MS	EPA 200.8 mod	Silver
ICP-MS	EPA 200.8 mod	Strontium
ICP-MS	EPA 200.8 mod	Thallium
ICP-MS	EPA 200.8 mod	Tin
ICP-MS	EPA 200.8 mod	Uranium
ICP-MS	EPA 200.8 mod	Vanadium
ICP-MS	EPA 200.8 mod	Zinc
ICP-MS	EPA 6020 mod	Aluminum
ICP-MS	EPA 6020 mod	Arsenic
ICP-MS	EPA 6020 mod	Antimony
ICP-MS	EPA 6020 mod	Barium
ICP-MS	EPA 6020 mod	Beryllium
ICP-MS	EPA 6020 mod	Boron
ICP-MS	EPA 6020 mod	Calcium
ICP-MS	EPA 6020 mod	Cadmium
ICP-MS	EPA 6020 mod	Chromium
ICP-MS	EPA 6020 mod	Cobalt
ICP-MS	EPA 6020 mod	Copper
ICP-MS	EPA 6020 mod	Iron

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020 mod	Lead
ICP-MS	EPA 6020 mod	Magnesium
ICP-MS	EPA 6020 mod	Manganese
ICP-MS	EPA 6020 mod	Molybdenum
ICP-MS	EPA 6020 mod	Nickel
ICP-MS	EPA 6020 mod	Selenium
ICP-MS	EPA 6020 mod	Silver
ICP-MS	EPA 6020 mod	Strontium
ICP-MS	EPA 6020 mod	Thallium
ICP-MS	EPA 6020 mod	Tin
ICP-MS	EPA 6020 mod	Tungsten
ICP-MS	EPA 6020 mod	Uranium
ICP-MS	EPA 6020 mod	Vanadium
ICP-MS	EPA 6020 mod	Zinc
IC-ICP-MS	BAL-4100	Trivalent Arsenic
IC-ICP-MS	BAL-4100	Pentavalent Arsenic
IC-ICP-MS	BAL-4100	Monomethylarsonic acid (MMA)
IC-ICP-MS	BAL-4100	Dimethylarsinic acid (DMA)
IC-ICP-MS	BAL-4201	Selenite Se(IV)
IC-ICP-MS	BAL-4201	Selenate Se(VI)
IC-ICP-MS	BAL-4201	Selenocynate SeCN
IC-ICP-MS	BAL-4201	Selenomethionine SeMet
IC-ICP-MS	BAL-4300	Hexavalent Chromium Cr(VI)
CVAFS	EPA 1631E	Low-Level Mercury
CVAFS	BAL-3100	Low-Level Mercury
CVAFS	EPA 1630	Methyl Mercury
CVAFS	BAL-3200	Methyl Mercury
By Calculation	SM 2340 B (20th Ed.)	Hardness

Seawater		
Technology	**Method**	**Analyte**
ICP-MS	EPA 1640 mod	Cadmium
ICP-MS	EPA 1640 mod	Copper

Seawater		
Technology	**Method**	**Analyte**
ICP-MS	EPA 1640 mod	Lead
ICP-MS	EPA 1640 mod	Nickel
ICP-MS	EPA 1640 mod	Zinc

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	BAL-5000	Aluminum
ICP-MS	BAL-5000	Arsenic
ICP-MS	BAL-5000	Antimony
ICP-MS	BAL-5000	Barium
ICP-MS	BAL-5000	Beryllium
ICP-MS	BAL-5000	Boron
ICP-MS	BAL-5000	Calcium
ICP-MS	BAL-5000	Cadmium
ICP-MS	BAL-5000	Chromium
ICP-MS	BAL-5000	Cobalt
ICP-MS	BAL-5000	Copper
ICP-MS	BAL-5000	Iron
ICP-MS	BAL-5000	Lead
ICP-MS	BAL-5000	Magnesium
ICP-MS	BAL-5000	Manganese
ICP-MS	BAL-5000	Molybdenum
ICP-MS	BAL-5000	Nickel
ICP-MS	BAL-5000	Selenium
ICP-MS	BAL-5000	Silver
ICP-MS	BAL-5000	Strontium
ICP-MS	BAL-5000	Thallium
ICP-MS	BAL-5000	Tin
ICP-MS	BAL-5000	Vanadium
ICP-MS	BAL-5000	Zinc
ICP-MS	EPA 200.8 mod	Aluminum
ICP-MS	EPA 200.8 mod	Arsenic
ICP-MS	EPA 200.8 mod	Antimony

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8 mod	Barium
ICP-MS	EPA 200.8 mod	Beryllium
ICP-MS	EPA 200.8 mod	Boron
ICP-MS	EPA 200.8 mod	Calcium
ICP-MS	EPA 200.8 mod	Cadmium
ICP-MS	EPA 200.8 mod	Chromium
ICP-MS	EPA 200.8 mod	Cobalt
ICP-MS	EPA 200.8 mod	Copper
ICP-MS	EPA 200.8 mod	Iron
ICP-MS	EPA 200.8 mod	Lead
ICP-MS	EPA 200.8 mod	Magnesium
ICP-MS	EPA 200.8 mod	Manganese
ICP-MS	EPA 200.8 mod	Molybdenum
ICP-MS	EPA 200.8 mod	Nickel
ICP-MS	EPA 200.8 mod	Selenium
ICP-MS	EPA 200.8 mod	Silver
ICP-MS	EPA 200.8 mod	Strontium
ICP-MS	EPA 200.8 mod	Thallium
ICP-MS	EPA 200.8 mod	Tin
ICP-MS	EPA 200.8 mod	Vanadium
ICP-MS	EPA 200.8 mod	Zinc
ICP-MS	EPA 6020 mod	Aluminum
ICP-MS	EPA 6020 mod	Arsenic
ICP-MS	EPA 6020 mod	Antimony
ICP-MS	EPA 6020 mod	Barium
ICP-MS	EPA 6020 mod	Beryllium
ICP-MS	EPA 6020 mod	Boron
ICP-MS	EPA 6020 mod	Calcium
ICP-MS	EPA 6020 mod	Cadmium
ICP-MS	EPA 6020 mod	Chromium
ICP-MS	EPA 6020 mod	Cobalt
ICP-MS	EPA 6020 mod	Copper
ICP-MS	EPA 6020 mod	Iron
ICP-MS	EPA 6020 mod	Lead
ICP-MS	EPA 6020 mod	Magnesium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020 mod	Manganese
ICP-MS	EPA 6020 mod	Molybdenum
ICP-MS	EPA 6020 mod	Nickel
ICP-MS	EPA 6020 mod	Selenium
ICP-MS	EPA 6020 mod	Silver
ICP-MS	EPA 6020 mod	Strontium
ICP-MS	EPA 6020 mod	Thallium
ICP-MS	EPA 6020 mod	Tin
ICP-MS	EPA 6020 mod	Vanadium
ICP-MS	EPA 6020 mod	Zinc
IC-ICP-MS	BAL-4300	Hexavalent Chromium Cr(VI)
CVAFS	EPA 1631E (appendix)	Low-Level Mercury
CVAFS	BAL-3100	Low-Level Mercury
CVAFS	EPA 1630 mod	Methyl Mercury
CVAFS	BAL-3200	Methyl Mercury
Gravimetric	BAL-0501	Dry Weight
Gravimetric	SM 2540 G (20th Ed.)	Dry Weight
Preparation	**Method**	**Type**
Alkaline Digestion	EPA 3060A	Extraction of Hexavalent Chromium
Alkaline Digestion	BAL-4310	Extraction of Hexavalent Chromium

Biological Tissue		
Technology	**Method**	**Analyte**
ICP-MS	BAL-5000	Aluminum
ICP-MS	BAL-5000	Arsenic
ICP-MS	BAL-5000	Antimony
ICP-MS	BAL-5000	Barium
ICP-MS	BAL-5000	Beryllium
ICP-MS	BAL-5000	Boron
ICP-MS	BAL-5000	Calcium
ICP-MS	BAL-5000	Cadmium
ICP-MS	BAL-5000	Chromium
ICP-MS	BAL-5000	Cobalt

Biological Tissue		
Technology	**Method**	**Analyte**
ICP-MS	BAL-5000	Copper
ICP-MS	BAL-5000	Iron
ICP-MS	BAL-5000	Lead
ICP-MS	BAL-5000	Magnesium
ICP-MS	BAL-5000	Manganese
ICP-MS	BAL-5000	Molybdenum
ICP-MS	BAL-5000	Nickel
ICP-MS	BAL-5000	Selenium
ICP-MS	BAL-5000	Silver
ICP-MS	BAL-5000	Strontium
ICP-MS	BAL-5000	Thallium
ICP-MS	BAL-5000	Tin
ICP-MS	BAL-5000	Vanadium
ICP-MS	BAL-5000	Zinc
ICP-MS	EPA 200.8 mod	Aluminum
ICP-MS	EPA 200.8 mod	Arsenic
ICP-MS	EPA 200.8 mod	Antimony
ICP-MS	EPA 200.8 mod	Barium
ICP-MS	EPA 200.8 mod	Beryllium
ICP-MS	EPA 200.8 mod	Boron
ICP-MS	EPA 200.8 mod	Calcium
ICP-MS	EPA 200.8 mod	Cadmium
ICP-MS	EPA 200.8 mod	Chromium
ICP-MS	EPA 200.8 mod	Cobalt
ICP-MS	EPA 200.8 mod	Copper
ICP-MS	EPA 200.8 mod	Iron
ICP-MS	EPA 200.8 mod	Lead
ICP-MS	EPA 200.8 mod	Magnesium
ICP-MS	EPA 200.8 mod	Manganese
ICP-MS	EPA 200.8 mod	Molybdenum
ICP-MS	EPA 200.8 mod	Nickel
ICP-MS	EPA 200.8 mod	Selenium
ICP-MS	EPA 200.8 mod	Silver
ICP-MS	EPA 200.8 mod	Strontium
ICP-MS	EPA 200.8 mod	Thallium

Biological Tissue		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8 mod	Tin
ICP-MS	EPA 200.8 mod	Vanadium
ICP-MS	EPA 200.8 mod	Zinc
ICP-MS	EPA 6020 mod	Aluminum
ICP-MS	EPA 6020 mod	Arsenic
ICP-MS	EPA 6020 mod	Antimony
ICP-MS	EPA 6020 mod	Barium
ICP-MS	EPA 6020 mod	Beryllium
ICP-MS	EPA 6020 mod	Boron
ICP-MS	EPA 6020 mod	Calcium
ICP-MS	EPA 6020 mod	Cadmium
ICP-MS	EPA 6020 mod	Chromium
ICP-MS	EPA 6020 mod	Cobalt
ICP-MS	EPA 6020 mod	Copper
ICP-MS	EPA 6020 mod	Iron
ICP-MS	EPA 6020 mod	Lead
ICP-MS	EPA 6020 mod	Magnesium
ICP-MS	EPA 6020 mod	Manganese
ICP-MS	EPA 6020 mod	Molybdenum
ICP-MS	EPA 6020 mod	Nickel
ICP-MS	EPA 6020 mod	Selenium
ICP-MS	EPA 6020 mod	Silver
ICP-MS	EPA 6020 mod	Strontium
ICP-MS	EPA 6020 mod	Thallium
ICP-MS	EPA 6020 mod	Tin
ICP-MS	EPA 6020 mod	Vanadium
ICP-MS	EPA 6020 mod	Zinc
CVAFS	EPA 1631E (appendix)	Low-Level Mercury
CVAFS	BAL-3100	Low-Level Mercury
CVAFS	EPA 1630 mod	Methyl Mercury
CVAFS	BAL-3200	Methyl Mercury
Gravimetric	BAL-0501	Dry Weight
Gravimetric	SM 2540 G (20th Ed.)	Dry Weight

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. ADE-1447.01

Jason Stine, Vice President