



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

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 2027

Certificate Number: ADE-1447.02



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

Brooks Applied Labs
 13751 Lake City Way NE, Ste. 108
 Seattle, WA 98125
 Michael Tran
 206-632-6206

TESTING

ISO/IEC 17025 Accreditation Granted: **20 May 2026**

Certificate Number: **ADE-1447.02** Certificate Expiry Date: **30 March 2027**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Ag, Al, As, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, V, Zn	AOAC 2015.01 MOD/SOP BAL-5040	Food	ICP-MS
Total Inorganic Arsenic (TIA) Monomethylarsonic acid (MMA) Dimethylarsinic acid (DMA)	BAL-4100	Food	IC-ICP-MS
Total Inorganic Arsenic (TIA) Monomethylarsonic acid (MMA) Dimethylarsinic acid (DMA)	BAL-4101	Food	IC-ICP-MS
Low Level Hg	EPA 1631E appendix/SOP BAL-3100	Food	CVAFS
Methyl Mercury	EPA 1630 MOD/SOP BAL-3200	Food	CVAFS
Cesium-137	SOP BAL-7400 Modified EPA 901.1	Food	Gamma Spectrometer
Iodine	BAL-4600	Food	ICP-MS
As, Ca, Cd, Co, Hg, K, Mg, Na, Pb, Se, and V	BAL-5500	Food	Laser Ablation ICP-MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Isotope Ratio: $^{206}\text{Pb}/^{204}\text{Pb}$, $^{207}\text{Pb}/^{204}\text{Pb}$, $^{208}\text{Pb}/^{204}\text{Pb}$, $^{87}/^{86}\text{Sr}$, $\delta^{204}\text{Hg}$, $\delta^{202}\text{Hg}$, $\delta^{201}\text{Hg}$, $\delta^{200}\text{Hg}$, $\delta^{199}\text{Hg}$, $\Delta^{204}\text{Hg}$, $\Delta^{201}\text{Hg}$, $\Delta^{200}\text{Hg}$, $\Delta^{199}\text{Hg}$	BAL-7200	Food	MC-ICP-MS

Environmental Testing

Drinking Water		
Technology	Method	Analyte
ICP-MS	EPA 200.8	Aluminum
ICP-MS	EPA 200.8	Arsenic
ICP-MS	EPA 200.8	Antimony
ICP-MS	EPA 200.8	Barium
ICP-MS	EPA 200.8	Beryllium
ICP-MS	EPA 200.8	Boron
ICP-MS	EPA 200.8	Cadmium
ICP-MS	EPA 200.8	Chromium
ICP-MS	EPA 200.8	Copper
ICP-MS	EPA 200.8	Lead
ICP-MS	EPA 200.8	Magnesium
ICP-MS	EPA 200.8	Manganese
ICP-MS	EPA 200.8	Molybdenum
ICP-MS	EPA 200.8	Nickel
ICP-MS	EPA 200.8	Selenium
ICP-MS	EPA 200.8	Silver
ICP-MS	EPA 200.8	Thallium

Drinking Water		
Technology	Method	Analyte
ICP-MS	EPA 200.8	Vanadium
ICP-MS	EPA 200.8	Zinc
Gamma Spectroscopy	SOP BAL-7400 Modified EPA 901.1	Cesium-137
Ion Chromatography	EPA 300.0	Bromide
Ion Chromatography	EPA 300.0	Chloride
Ion Chromatography	EPA 300.0	Fluoride
Ion Chromatography	EPA 300.0	Nitrate (as N)
Ion Chromatography	EPA 300.0	Nitrite (as N)
Ion Chromatography	EPA 300.0	Phosphate, Ortho (as P)
Ion Chromatography	EPA 300.0	Sulfate
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{206}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{207}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{208}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{87}/^{86}\text{Sr}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{204}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{202}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{201}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{200}\text{Hg}$,
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{199}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{204}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{201}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{200}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{199}\text{Hg}$
Ion Chromatography	EPA 300.0	Bromide

Non-Potable Water		
Technology	Method	Analyte
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Aluminum
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Arsenic
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Antimony
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Barium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Beryllium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Boron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Calcium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Cadmium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Chromium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Cobalt
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Copper
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Iron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Lead
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Magnesium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Manganese
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Molybdenum
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Nickel
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Selenium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Silver
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B)	Strontium
ICP-MS	SOP BAL-5000	Thallium

Non-Potable Water		
Technology	Method	Analyte
	Modified EPA 200.8/1638/6020B	
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Tin
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Uranium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	Vanadium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/1638/6020B	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	Selenocyanate SeCN
IC-ICP-MS	BAL-4201	Selenomethionine SeMet
IC-ICP-MS	BAL-4201	Methylseleninic Acid MeSe(IV)
IC-ICP-MS	BAL-4201	Methyl Selenonic MeSe(VI)
IC-ICP-MS	BAL-4201	Dimethyl Selenoxide DMSeO
IC-ICP-MS	BAL-4201	Selenosulfate SeSO ₃
IC-ICP-MS	BAL-4300	Hexavalent Chromium Cr(VI)
IC-ICP-MS	BAL-4801	Hexacyanocobaltate(III) CoCN
CVAFS	EPA 1631E/SOP BAL-3100	Low-Level Mercury
CVAFS	EPA 1630/SOP BAL-3200	Methyl Mercury
Colorimetric	SM 3500-Fe B MOD/SOP BAL-4500	Total Iron Fe
Colorimetric	SM 3500-Fe B MOD/SOP BAL-4500	Ferrous Iron Fe(II)
By Calculation	SM 2340 B (20 th Ed.)	Hardness
Gamma Spectroscopy	SOP BAL-7400 Modified EPA 901.1	Cesium-137
Ion Chromatography	EPA 300.0	Bromide
Ion Chromatography	EPA 300.0	Chloride
Ion Chromatography	EPA 300.0	Fluoride
Ion Chromatography	EPA 300.0	Nitrate (as N)
Ion Chromatography	EPA 300.0	Nitrite (as N)
Ion Chromatography	EPA 300.0	Phosphate, Ortho (as P)
Ion Chromatography	EPA 300.0	Sulfate



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Non-Potable Water		
Technology	Method	Analyte
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{206}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{207}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{208}\text{Pb}/^{204}\text{Pb}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $^{87/86}\text{Sr}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{204}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{202}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{201}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{200}\text{Hg}$,
MC-ICP-MS	BAL-7200	Isotope Ratio: $\delta^{199}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{204}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{201}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{200}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{199}\text{Hg}$
Preparation	Method	Type
Acidic Microwave Digestion	SOP BAL-5013 Modified EPA 3015a	Microwave Digestion for Arsenic, Selenium

Seawater		
Technology	Method	Analyte
ICP-MS	EPA 1640 mod	Cadmium
ICP-MS	EPA 1640 mod	Cobalt
ICP-MS	EPA 1640 mod	Copper
ICP-MS	EPA 1640 mod	Iron
ICP-MS	EPA 1640 mod	Lead
ICP-MS	EPA 1640 mod	Manganese
ICP-MS	EPA 1640 mod	Nickel
ICP-MS	EPA 1640 mod	Vanadium
ICP-MS	EPA 1640 mod	Zinc

Solid and Chemical Materials		
Technology	Method	Analyte
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Aluminum



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Solid and Chemical Materials		
Technology	Method	Analyte
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Arsenic
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Antimony
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Barium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Beryllium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Boron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Calcium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Cadmium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Chromium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Cobalt
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Copper
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Iron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Lead
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Magnesium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Manganese
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Mercury
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Molybdenum
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Nickel
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Selenium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Silver
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Strontium
ICP-MS	SOP BAL-5000	Thallium

This Scope of Accreditation, version 015, was last updated on: 20 May 2026 and is valid only when accompanied by the Certificate.

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Solid and Chemical Materials		
Technology	Method	Analyte
	Modified EPA 200.8/6020B	
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Tin
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Vanadium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Zinc
IC-ICP-MS	BAL-4300	Hexavalent Chromium Cr(VI)
CVAFS	1631E appendix/SOP BAL-3100	Low-Level Mercury
CVAFS	EPA 1630 MOD/SOP BAL-3200	Methyl Mercury
Gamma Spectroscopy	SOP BAL-7400 Modified EPA 901.1	Cesium-137
Gravimetric	SM 2540 G 20 th Ed./SOP BAL-0501	Dry Weight
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁶ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁷ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁸ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ⁸⁷ / ⁸⁶ Sr
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰⁴ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰² Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰¹ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰⁰ Hg,
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ¹⁹⁹ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: Δ ²⁰⁴ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: Δ ²⁰¹ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: Δ ²⁰⁰ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: Δ ¹⁹⁹ Hg
Preparation	Method	Type
Alkaline Digestion	EPA 3060A MOD /SOP BAL-4310	Extraction of Hexavalent Chromium
Hot Acidic Digestion	EPA 3050B MOD/SOP BAL-5030	Digestion for Trace Metals
Microwave Acidic Digestion	EPA 3051A MOD/SOP BAL-5031	Microwave Digestion for Trace Metals

Biological Tissue		
Technology	Method	Analyte
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Aluminum

Biological Tissue		
Technology	Method	Analyte
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Arsenic
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Antimony
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Barium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Beryllium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Boron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Calcium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Cadmium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Chromium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Cobalt
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Copper
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Iron
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Lead
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Magnesium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Manganese
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Molybdenum
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Nickel
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Selenium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Silver
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Strontium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Thallium
ICP-MS	SOP BAL-5000	Tin



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Biological Tissue		
Technology	Method	Analyte
	Modified EPA 200.8/6020B	
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	Vanadium
ICP-MS	SOP BAL-5000 Modified EPA 200.8/6020B	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-4101	Inorganic Arsenic
IC-ICP-MS	BAL-4101	Monomethylarsonic acid (MMA)
IC-ICP-MS	BAL-4101	Dimethylarsinic acid (DMA)
CVAFS	1631E appendix/SOP BAL-3100	Low-Level Mercury
CVAFS	EPA 1630 MOD/SOP BAL-3200	Methyl Mercury
Gravimetric	SM 2540 G 20 th Ed./SOP BAL-0501	Dry Weight
Gamma Spectroscopy	SOP BAL-7400 Modified EPA 901.1	Cesium-137
Laser Ablation-ICP-MS	BAL-5500	Arsenic
Laser Ablation-ICP-MS	BAL-5500	Cadmium
Laser Ablation-ICP-MS	BAL-5500	Calcium
Laser Ablation-ICP-MS	BAL-5500	Cobalt
Laser Ablation-ICP-MS	BAL-5500	Lead
Laser Ablation-ICP-MS	BAL-5500	Magnesium
Laser Ablation-ICP-MS	BAL-5500	Mercury
Laser Ablation-ICP-MS	BAL-5500	Potassium
Laser Ablation-ICP-MS	BAL-5500	Selenium
Laser Ablation-ICP-MS	BAL-5500	Sodium
Laser Ablation-ICP-MS	BAL-5500	Vanadium
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁶ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁷ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ²⁰⁸ Pb/ ²⁰⁴ Pb
MC-ICP-MS	BAL-7200	Isotope Ratio: ⁸⁷ Sr/ ⁸⁶ Sr
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰⁴ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰² Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰¹ Hg
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ²⁰⁰ Hg,
MC-ICP-MS	BAL-7200	Isotope Ratio: δ ¹⁹⁹ Hg

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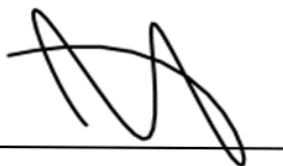
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Biological Tissue		
Technology	Method	Analyte
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{204}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{201}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{200}\text{Hg}$
MC-ICP-MS	BAL-7200	Isotope Ratio: $\Delta^{199}\text{Hg}$
Preparation	Method	Type
Hot Acid Digestion	EPA 3050B MOD/SOP BAL-5030	Digestion for Trace Metals
Acidic Microwave Digestion	AOAC2015.01 MOD/SOP BAL-5040	Digestion for Trace Metals
Hot Acid Digestion	BAL-4117	Digestion for Arsenic Speciation



Jason Stine, Vice President

