



# CERTIFICATE OF ACCREDITATION

**ANSI-ASQ National Accreditation Board/AClass**  
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Brooks Rand Labs, LLC**  
**3958 6<sup>th</sup> Ave. NW**  
**Seattle, WA 98107**

has been assessed by AClass  
and meets the requirements of

**ISO/IEC 17025:2005 and DoD-ELAP**

while demonstrating technical competence in the field(s) of

**TESTING**

Refer to the accompanying Scope(s) of Accreditation for information regarding the types of tests to which this accreditation applies.

ADE-1447

Certificate Number

AClass Approval



Certificate Valid: 07/17/2014 - 03/30/2016  
Version No. 003 Issued: 07/17/2014



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 January 2009).



# ANSI-ASQ National Accreditation Board

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 & DoD-ELAP

**Brooks Rand Labs, LLC**  
 3958 6<sup>th</sup> Ave NW, Seattle, WA 98107  
 Frank McFarland Phone: 206-632-6206

### TESTING

Valid to: March 30, 2016

Certificate Number: ADE- 1447

#### I. Environmental

MATRIX	SPECIFIC TEST or GROUP OF ANALYTES**	SPECIFICATION OR STANDARD METHOD (all EPA unless specified)	* KEY EQUIPMENT OR TECHNOLOGY USED
Water	Elemental Analysis	1638 modified 200.8 modified 6020 modified	ICP-MS
Solids Biological Tissue	Elemental Analysis	200.8 modified 6020 modified	ICP-MS
Solids Biological Tissue Food ***	Elemental Analysis	1638 modified	ICP-MS
Seawater***	Elemental Analysis	1640 modified BR-0060	ICP-MS
Water Biological Tissue Food ***	Inorganic Arsenic Trivalent Arsenic Pentavalent Arsenic	1632A	HGAAS
Water*** Biological Tissue Food ***	Monomethylarsonic acid (MMA) Dimethylarsinic acid (DMA)	1632A	HGAAS
Solids	Inorganic Arsenic Trivalent Arsenic Pentavalent Arsenic	1632A modified	HGAAS
Solids***	Monomethylarsonic acid (MMA) Dimethylarsinic acid (DMA)	1632A modified	HGAAS
Water ***	Selenite - Se(IV) Selenate - Se(VI)	BR-0061	HPLC-ASRS-ICP-DRC-MS
Water	Hg	1631E	CVAFS



MATRIX	SPECIFIC TEST or GROUP OF ANALYTES**	SPECIFICATION OR STANDARD METHOD (all EPA unless specified)	* KEY EQUIPMENT OR TECHNOLOGY USED
Solids Biological Tissue	Hg	1631E (appendix)	CVAFS
Water	Methyl Mercury	1630	CVAFS
Solids Biological Tissue	Methyl Mercury	1630 modified	CVAFS
Water	Hardness – total (as CaCO <sub>3</sub> )	SM 2340 B (20 <sup>th</sup> Ed.) By calculation of: 1638 modified 200.8 modified 6020 modified	ICP-MS (calc)
Water	Total Suspended Solids	SM 2540 D (20 <sup>th</sup> Ed.)	Gravimetric
Solids	Dry weight	SM 2540 E (20 <sup>th</sup> Ed.)	Gravimetric

**Notes:**

1. \* = As Applicable
2. \*\* = Refer to Accredited Analyte Listing for specific analytes in which the laboratory is accredited.
3. \*\*\* = Accreditation to ISO/IEC 17025 Only
4. This scope is part of and must be included with the Certificate of Accreditation No. ADE-1447




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Vice President



**Accredited Analytes/Methods (by matrix)**

**Brooks Rand Labs, LLC**

**Seattle, WA**

Analyte	Matrix								
	Aqueous			Solids			Biological Tissue		
<b>Metals</b>									
Arsenic	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)	EPA 1638 (Modified)		
Antimony	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Calcium	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Cadmium							EPA 1638 (Modified)		
Copper	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)				EPA 1638 (Modified)		
Chromium							EPA 1638 (Modified)		
Lead	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)				EPA 1638 (Modified)		
Magnesium	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Manganese	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Mercury	EPA 1631E			EPA 1631E (appendix)			EPA 1631E (appendix)		
Mercury (Low-Level)	EPA 1631E								
Nickel							EPA 1638 (Modified)		
Selenium							EPA 1638 (Modified)		
Silver							EPA 1638 (Modified)		
Tungsten	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Zinc	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)				EPA 1638 (Modified)		
<b>Misc Analytes</b>									
Total Hardness (as CaCO3)	EPA 1638 (Modified)	EPA 200.8 (Modified)	EPA 6020 (Modified)						
Non-Filterable Residue (TSS)	2540D								
Residue-total (total solids)				2540E					
Methyl Mercury	EPA 1630			EPA 1630 (Modified)			EPA 1630 (Modified)		
Inorganic Arsenic	EPA 1632 A			EPA 1632 A (Modified)			EPA 1632A		
Trivalent Arsenic	EPA 1632 A			EPA 1632 A (Modified)			EPA 1632A		
Pentavalent Arsenic	EPA 1632 A (difference)			EPA 1632 A (Modified) (difference)			EPA 1632A (difference)		