



State of Florida  
Department of Health, Bureau of Laboratories  
This is to certify that  
E87982

BROOKS RAND LLC  
3958 SIXTH AVE. NW  
SEATTLE, WA 98107

has complied with Florida Administrative Code 64E-1,  
for the examination of Environmental samples in the following categories

NON-POTABLE WATER - METALS, SOLID AND CHEMICAL MATERIALS - METALS, BIOLOGICAL TISSUE - METALS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

**EFFECTIVE July 01, 2010 THROUGH June 30, 2011**



A handwritten signature in black ink, appearing to read "Max Salfinger".

Max Salfinger, M.D.  
Chief, Bureau of Laboratories  
Florida Department of Health  
DH Form 1697, 7/04

NON-TRANSFERABLE E87982-11-07/01/2010  
Supersedes all previously issued certificates

Charlie Crist  
Governor



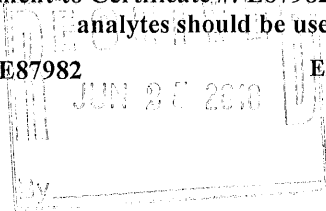
Ana M. Viamonte Ros, M.D., M.P.H.  
State Surgeon General

*Laboratory Scope of Accreditation*

Attachment to Certificate #: E87982-11, expiration date June 30, 2011. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87982 EPA Lab Code: WA00252 (206) 632-6206

E87982  
Brooks Rand LLC  
3958 Sixth Ave. NW  
Seattle, WA 98107



Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Antimony	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Antimony	EPA 1638	Metals	NELAP	7/16/2008
Arsenic	BR-0020 Revision 008/HGAAS	Metals	NELAP	11/16/2009
Arsenic	BR-0021 Revision 004/HGAAS	Metals	NELAP	11/16/2009
Arsenic	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Arsenic	EPA 1632	Metals	NELAP	11/16/2009
Barium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Beryllium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Boron	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cadmium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cadmium	EPA 1638	Metals	NELAP	7/16/2008
Cadmium	EPA 1640	Metals	NELAP	11/16/2009
Calcium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Chromium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cobalt	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Copper	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Copper	EPA 1638	Metals	NELAP	7/31/2006
Copper	EPA 1640	Metals	NELAP	11/16/2009
Hardness	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Iron	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Lead	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Lead	EPA 1638	Metals	NELAP	7/31/2006
Lead	EPA 1640	Metals	NELAP	11/16/2009
Magnesium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Manganese	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Mercury	EPA 1631	Metals	NELAP	7/31/2006
Methyl mercury	BR-0011 Revision 013/CVAFS	Metals	NELAP	11/16/2009

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2010

Expiration Date: 6/30/2011

Charlie Crist  
Governor



Ana M. Viamonte Ros, M.D., M.P.H.  
State Surgeon General

*Laboratory Scope of Accreditation*

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State Laboratory ID: E87982

EPA Lab Code:

WA00252

(206) 632-6206

E87982

Brooks Rand LLC  
3958 Sixth Ave. NW  
Seattle, WA 98107

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Methyl mercury	EPA 1630	Metals	NELAP	7/31/2006
Molybdenum	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Nickel	BR-0060 Revision 003/ICP-MS	Metals	NELAP	11/16/2009
Nickel	EPA 1638	Metals	NELAP	11/16/2009
Nickel	EPA 1640	Metals	NELAP	11/16/2009
Selenium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Selenium	EPA 1638	Metals	NELAP	7/31/2006
Selenium (IV)	BR-0061 Revision 000/HPLC-ICP-MS	Metals	NELAP	11/16/2009
Selenium (VI)	BR-0061 Revision 000/HPLC-ICP-MS	Metals	NELAP	11/16/2009
Silver	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Silver	EPA 1638	Metals	NELAP	7/31/2006
Thallium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Thallium	EPA 1638	Metals	NELAP	7/31/2006
Tin	BR-0060 Revision 003/ICP-MS	Metals	NELAP	11/16/2009
Titanium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Vanadium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Zinc	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Zinc	EPA 1638	Metals	NELAP	7/31/2006

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State Laboratory ID: E87982

EPA Lab Code: WA00252

(206) 632-6206

E87982

Brooks Rand LLC  
3958 Sixth Ave. NW  
Seattle, WA 98107

Matrix: Solid and Chemical Materials

Analyte	Method/Tech	Category	Certification Type	Effective Date
Antimony	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Arsenic	BR-0020 Revision 008/HGAAS	Metals	NELAP	11/16/2009
Arsenic	BR-0021 Revision 004/HGAAS	Metals	NELAP	11/16/2009
Arsenic	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Beryllium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cadmium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Chromium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cobalt	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Copper	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Lead	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Mercury	BR-0002 Revision 10/CVAFS	Metals	NELAP	7/16/2008
Mercury	EPA 1631	Metals	NELAP	7/31/2006
Methyl mercury	BR-0011 Revision 013/CVAFS	Metals	NELAP	11/16/2009
Molybdenum	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Nickel	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Selenium	BR-0020 Revision 008/HGAAS	Metals	NELAP	11/16/2009
Selenium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Silver	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Strontium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Thallium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Zinc	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008

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State Laboratory ID: E87982

EPA Lab Code: WA00252

(206) 632-6206

E87982

Brooks Rand LLC  
3958 Sixth Ave. NW  
Seattle, WA 98107

Matrix: Biological Tissue

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Antimony	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Arsenic	BR-0021 Revision 004/HGAAS	Metals	NELAP	11/16/2009
Arsenic	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Arsenic	EPA 1632	Metals	NELAP	11/16/2009
Barium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Beryllium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Boron	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cadmium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Calcium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Chromium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Cobalt	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Copper	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Iron	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Lead	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Magnesium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Manganese	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Mercury	BR-0002 Revision 10/CVAFS	Metals	NELAP	7/16/2008
Mercury	EPA 1631	Metals	NELAP	7/31/2006
Methyl mercury	BR-0011 Revision 013/CVAFS	Metals	NELAP	11/16/2009
Molybdenum	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Nickel	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Selenium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Silver	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Thallium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Titanium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008

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*Laboratory Scope of Accreditation*

Page 5 of 5

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State Laboratory ID: E87982                      EPA Lab Code: WA00252                      (206) 632-6206

E87982  
Brooks Rand LLC  
3958 Sixth Ave. NW  
Seattle, WA 98107

Matrix: Biological Tissue

Analyte	Method/Tech	Category	Certification Type	Effective Date
Vanadium	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008
Zinc	BR-0060 Revision 003/ICP-MS	Metals	NELAP	7/16/2008

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Issue Date: 7/1/2010

Expiration Date: 6/30/2011

The State of  
Department



Washington  
of Ecology

**Brooks Rand Labs**  
**Seattle, WA**

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective February 24, 2010 and shall expire February 23, 2011.

Witnessed under my hand on February 23, 2010

Stewart M. Lombard  
Lab Accreditation Unit Supervisor

Laboratory ID  
**C603**

**WASHINGTON STATE DEPARTMENT OF ECOLOGY**  
**ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM**

**SCOPE OF ACCREDITATION**

**Brooks Rand Labs**

**Seattle, WA**

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. Accreditation for U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) is for the latest version of the method. SM refers to "Standard Methods for the Examination of Water and Wastewater," 18th through 21st Editions and the Online Edition, unless otherwise indicated. ASTM is the American Society for Testing and Materials. Other references are described in notes.

<b>Matrix/Analyte</b>	<b>Method</b>	<b>Notes</b>
<b>Non-Potable Water</b>		
Residue-nonfilterable (TSS)	SM 2540 D	
Aluminum	EPA 1638	
Antimony	EPA 1638	
Arsenic	EPA 1632	1
Arsenic	EPA 1638	
Arsenic Species	EPA 1632	
Arsenic, Inorganic	EPA 1632	1
Barium	EPA 1638	
Beryllium	EPA 1638	
Boron	EPA 1638	
Cadmium	EPA 1638	
Calcium	EPA 1638	2
Chromium	EPA 1638	
Cobalt	EPA 1638	
Copper	EPA 1638	
Iron	EPA 1638	
Lead	EPA 1638	
Magnesium	EPA 1638	
Manganese	EPA 1638	
Mercury	EPA 1631E	
Methyl Mercury	EPA 1630	3
Molybdenum	EPA 1638	



Brooks Rand Labs

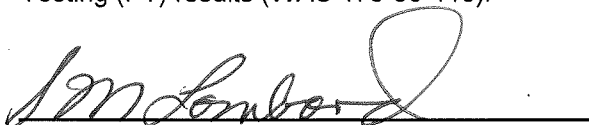
Matrix/Analyte	Method	Notes
Nickel	EPA 1638	
Selenium	EPA 1638	
Silver	EPA 1638	
Strontium	EPA 1638	4
Thallium	EPA 1638	2
Tin	EPA 1638	
Titanium	EPA 1638	
Total hardness as CaCO <sub>3</sub>	EPA 1638	
Vanadium	EPA 1638	
Zinc	EPA 1638	
<b>Solid and Chemical Materials</b>		
Aluminum	EPA 1638	
Antimony	EPA 1638	2,5
Arsenic	EPA 1638	2
Arsenic Species	EPA 1632	1
Arsenic, Inorganic	EPA 1632	1
Barium	EPA 1638	2
Beryllium	EPA 1638	2
Boron	EPA 1638	2
Cadmium	EPA 1638	2
Calcium	EPA 1638	2
Chromium	EPA 1638	2
Cobalt	EPA 1638	2
Copper	EPA 1638	2
Iron	EPA 1638	2
Lead	EPA 1638	2
Magnesium	EPA 1638	2
Manganese	EPA 1638	2
Mercury	EPA 1631	
Methyl Mercury	EPA 1630	3
Molybdenum	EPA 1638	2
Nickel	EPA 1638	2
Potassium	EPA 1638	2
Selenium	EPA 1632	1
Selenium	EPA 1638	2
Silver	EPA 1638	2,5

Brooks Rand Labs

Matrix/Analyte	Method	Notes
Sodium	EPA 1638	2
Strontium	EPA 1638	2
Thallium	EPA 1638	2
Tin	EPA 1638	2
Titanium	EPA 1638	2
Vanadium	EPA 1638	2
Zinc	EPA 1638	2

**Accredited Parameter Note Detail**

(1) Modified version of EPA Method 1632 based on the Brooks Rand SOP BR-0020. (2) Lab is also accredited for their modified version of EPA Method 1638 based on the Brooks Rand SOP BR-0060. (3) Lab is also accredited for their modified version of EPA Method 1630 based on the Brooks Rand SOP BR-0011. (4) Method is modified for the analysis of strontium. (5) Provisional accreditation pending submittal of additional, acceptable Proficiency Testing (PT) results (WAC 173-50-110).



Authentication Signature

Stewart M. Lombard, Lab Accreditation Unit Supervisor



Date