



**Minnesota Department of Health  
Environmental Laboratory Accreditation Program**

Issues accreditation to

State Laboratory ID: 038-999-267

EPA Lab Code: ND00016

**Minnesota Valley Testing Labs Inc.  
2616 East Broadway Ave  
Bismarck, ND 58501**

for fields of accreditation listed on the laboratory's accompanying Scope of Certification  
in accordance with the provisions in Minnesota Laws and Rules.

Continued accreditation is contingent upon successful on-going compliance with Minnesota Statutes 144.97 to 144.98, 2009 TNI Standard and applicable Minnesota Rules 4740.2010 to 4740.2120. The laboratory's Scope of Certification cites the specific programs, methods, analytes and matrices for which MDH issues this accreditation.

This certificate is valid proof of accreditation only when associated with its accompanying Scope of Certification.

The Scope of Certification and reports of on-site assessments are on file at the Minnesota Department of Health, 601 Robert Street North, Saint Paul, Minnesota. Customers may verify the laboratory's accreditation status in Minnesota by contacting MNELAP at (651) 201-5324.

Effective Date: 12/09/2016  
Expires: 12/31/2017  
Certificate Number: 1169121



Issued under the authority  
delegated by the  
Commissioner of Health,  
State of Minnesota



Environmental Laboratory Accreditation Program
Scope of Certification

THIS LISTING OF FIELDS OF ACCREDITATION MUST BE ACCOMPANIED BY CERTIFICATE NUMBER: 1169121

State Laboratory ID: 038-999-267

EPA Lab Code: ND00016

Issue Date: 12/9/2016

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Minnesota Valley Testing Labs Inc.
2616 East Broadway Ave
Bismarck, ND 58501

Clean Water Program

ASTM D516-07

Preparation Techniques: N/A

Table with 6 columns: Program, Method, Analyte, Matrix, Primary, SOP. Row 1: CWP, ASTM D516-07, Sulfate, NPW, MN

EPA 1664B

Preparation Techniques: Extraction, solid phase (SPE);

Table with 6 columns: Program, Method, Analyte, Matrix, Primary, SOP. Row 1: CWP, EPA 1664B, Oil & Grease, NPW, MN

EPA 335.4

Preparation Techniques: Distillation, MIDI;

Table with 6 columns: Program, Method, Analyte, Matrix, Primary, SOP. Row 1: CWP, EPA 335.4, Total Cyanide, NPW, MN

### EPA 350.1

Preparation Techniques: Distillation, micro;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	EPA 350.1	Ammonia as N	NPW	MN	

### EPA 353.2

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	EPA 353.2	Nitrite as N	NPW	MN	

### EPA 353.2 (calc.)

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	EPA 353.2 (calc.)	Nitrate as N	NPW	MN	

### EPA 365.1

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	EPA 365.1	Orthophosphate as P	NPW	MN	
CWP	EPA 365.1	Total Phosphorus	NPW	MN	

### EPA 420.4

Preparation Techniques: Distillation, micro;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	EPA 420.4	Total Phenolics	NPW	MN	

### Hach 8000

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	Hach 8000	Chemical oxygen demand	NPW	MN	

#### OIA PAI-DK01

Preparation Techniques: Distillation, micro;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	OIA PAI-DK01	Kjeldahl nitrogen - total	NPW	MN	

#### SM 2130 B-2011

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2130 B-2011	Turbidity	NPW	MN	

#### SM 2320 B-2011

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2320 B-2011	Alkalinity as CaCO <sub>3</sub>	NPW	MN	

#### SM 2510 B-2011

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2510 B-2011	Conductivity	NPW	MN	

#### SM 4500-Cl<sup>-</sup> E-2011

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-Cl <sup>-</sup> E-2011	Chloride	NPW	MN	

**SM 4500-H+ B-2011**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	SM 4500-H+ B-2011	pH	NPW	MN	

**SM 5210 B-2011**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	SM 5210 B-2011	Biochemical oxygen demand	NPW	MN	

**SM 5310 C-2011**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	SM 5310 C-2011	Total Organic Carbon	NPW	MN	

**SM 5310 C-96**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	SM 5310 C-96	Dissolved organic carbon (DOC)	NPW	MN	

**USGS I-1750-85**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	USGS I-1750-85	Residue-filterable (TDS)	NPW	MN	

**USGS I-3750-85**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	USGS I-3750-85	Residue-total	NPW	MN	

### USGS I-3753-85

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	USGS I-3753-85	Residue-volatile	NPW	MN	

### USGS I-3765-85

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	USGS I-3765-85	Residue-nonfilterable (TSS)	NPW	MN	

### EPA 200.7

Preparation Techniques: Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Aluminum	NPW	MN	
CWP	EPA 200.7	Barium	NPW	MN	
CWP	EPA 200.7	Beryllium	NPW	MN	
CWP	EPA 200.7	Boron	NPW	MN	
CWP	EPA 200.7	Cadmium	NPW	MN	
CWP	EPA 200.7	Calcium	NPW	MN	
CWP	EPA 200.7	Cobalt	NPW	MN	
CWP	EPA 200.7	Copper	NPW	MN	
CWP	EPA 200.7	Iron	NPW	MN	
CWP	EPA 200.7	Lead	NPW	MN	
CWP	EPA 200.7	Magnesium	NPW	MN	
CWP	EPA 200.7	Manganese	NPW	MN	
CWP	EPA 200.7	Molybdenum	NPW	MN	
CWP	EPA 200.7	Nickel	NPW	MN	
CWP	EPA 200.7	Potassium	NPW	MN	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Sodium	NPW	MN	
CWP	EPA 200.7	Total chromium	NPW	MN	
CWP	EPA 200.7	Vanadium	NPW	MN	
CWP	EPA 200.7	Zinc	NPW	MN	

### EPA 200.8

Preparation Techniques: Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.8	Antimony	NPW	MN	
CWP	EPA 200.8	Arsenic	NPW	MN	
CWP	EPA 200.8	Barium	NPW	MN	
CWP	EPA 200.8	Beryllium	NPW	MN	
CWP	EPA 200.8	Cadmium	NPW	MN	
CWP	EPA 200.8	Cobalt	NPW	MN	
CWP	EPA 200.8	Copper	NPW	MN	
CWP	EPA 200.8	Lead	NPW	MN	
CWP	EPA 200.8	Manganese	NPW	MN	
CWP	EPA 200.8	Molybdenum	NPW	MN	
CWP	EPA 200.8	Nickel	NPW	MN	
CWP	EPA 200.8	Selenium	NPW	MN	
CWP	EPA 200.8	Silver	NPW	MN	
CWP	EPA 200.8	Thallium	NPW	MN	
CWP	EPA 200.8	Total chromium	NPW	MN	
CWP	EPA 200.8	Vanadium	NPW	MN	
CWP	EPA 200.8	Zinc	NPW	MN	

### EPA 245.1

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 245.1	Mercury	NPW	MN	

**SM 2340 B-2011**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
CWP	SM 2340 B-2011	Total hardness as CaCO <sub>3</sub>	NPW	MN	

**Resource Conservation Recovery Program****EPA 9045D**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 9045D	pH	NPW	MN	

**EPA 6010D (Rev 2014)**

Preparation Techniques: Digestion, microwave-assisted; Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 6010D (Rev 2014)	Aluminum	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Aluminum	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Barium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Barium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Beryllium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Beryllium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Boron	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Boron	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Cadmium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Cadmium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Calcium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Calcium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Chromium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Chromium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Cobalt	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Cobalt	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Copper	SCM	MN	



<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 6010D (Rev 2014)	Copper	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Iron	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Iron	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Lead	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Lead	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Magnesium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Magnesium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Manganese	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Manganese	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Molybdenum	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Molybdenum	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Nickel	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Nickel	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Potassium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Potassium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Sodium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Sodium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Strontium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Strontium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Tin	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Tin	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Titanium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Titanium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Vanadium	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Vanadium	SCM	MN	
RCRP	EPA 6010D (Rev 2014)	Zinc	NPW	MN	
RCRP	EPA 6010D (Rev 2014)	Zinc	SCM	MN	

**EPA 6020B (Rev 2014)**

Preparation Techniques: Digestion, microwave-assisted; Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 6020B (Rev 2014)	Antimony	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Antimony	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Arsenic	SCM	MN	

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 6020B (Rev 2014)	Arsenic	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Barium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Barium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Beryllium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Beryllium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Cadmium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Cadmium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Chromium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Chromium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Cobalt	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Cobalt	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Copper	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Copper	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Lead	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Lead	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Manganese	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Manganese	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Nickel	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Nickel	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Selenium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Selenium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Silver	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Silver	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Thallium	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Thallium	SCM	MN	
RCRP	EPA 6020B (Rev 2014)	Zinc	NPW	MN	
RCRP	EPA 6020B (Rev 2014)	Zinc	SCM	MN	

### **EPA 7470A**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
RCRP	EPA 7470A	Mercury	NPW	MN	

**EPA 7471B**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 7471B	Mercury	SCM	MN	

**Safe Drinking Water Program****EPA 335.4**

Preparation Techniques: Distillation, MIDI;

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 335.4	Cyanide	DW	MN	

**EPA 353.2**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	EPA 353.2	Nitrate	DW	MN	
SDWP	EPA 353.2	Nitrite	DW	MN	

**SM 4500-F<sup>-</sup> C**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	SM 4500-F <sup>-</sup> C	Fluoride	DW	MN	

**SM 4500-H<sup>+</sup> B**

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	SM 4500-H <sup>+</sup> B	pH	DW	MN	

**EPA 200.7**

Preparation Techniques: Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
SDWP	EPA 200.7	Aluminum	DW	MN	
SDWP	EPA 200.7	Barium	DW	MN	
SDWP	EPA 200.7	Calcium	DW	MN	
SDWP	EPA 200.7	Chromium	DW	MN	
SDWP	EPA 200.7	Copper	DW	MN	
SDWP	EPA 200.7	Manganese	DW	MN	
SDWP	EPA 200.7	Nickel	DW	MN	
SDWP	EPA 200.7	Sodium	DW	MN	
SDWP	EPA 200.7	Zinc	DW	MN	

**EPA 200.8**

Preparation Techniques: Digestion, hotplate or HotBlock; Extraction, EPA 1312 SPLP, non-volatiles; Extraction, EPA 1311 TCLP, non-volatiles;

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
SDWP	EPA 200.8	Antimony	DW	MN	
SDWP	EPA 200.8	Arsenic	DW	MN	
SDWP	EPA 200.8	Barium	DW	MN	
SDWP	EPA 200.8	Beryllium	DW	MN	
SDWP	EPA 200.8	Cadmium	DW	MN	
SDWP	EPA 200.8	Chromium	DW	MN	
SDWP	EPA 200.8	Copper	DW	MN	
SDWP	EPA 200.8	Lead	DW	MN	
SDWP	EPA 200.8	Manganese	DW	MN	
SDWP	EPA 200.8	Nickel	DW	MN	
SDWP	EPA 200.8	Selenium	DW	MN	
SDWP	EPA 200.8	Silver	DW	MN	
SDWP	EPA 200.8	Thallium	DW	MN	
SDWP	EPA 200.8	Uranium	DW	MN	
SDWP	EPA 200.8	Zinc	DW	MN	

**EPA 245.1**

Preparation Techniques: N/A

<b>Program</b>	<b>Method</b>	<b>Analyte</b>	<b>Matrix</b>	<b>Primary</b>	<b>SOP</b>
SDWP	EPA 245.1	Mercury	DW	MN	

Note: Method beginning with "SM" refer to the approved editions of Standard methods for the Examination of Water and Wastes. Approved methods are listed in the applicable parts of Title 40 of the Code of Federal Regulations (including its subsequent Federal Register updates), MN Statutes and Rules, and state-issued permits.