



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

Issues accreditation to

State Laboratory ID: 055-999-151

EPA Lab Code: WI00033

Davy Laboratories

115 6th Street S

La Crosse, WI 54601



**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: 12/08/2017

Expires: 12/31/2018

Certificate Number: 1337300

**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: 1337300

State Laboratory ID: 055-999-151

EPA Lab Code: WI00033

Issue Date: 12/8/2017

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Davy Laboratories
115 6th Street S
La Crosse, WI 54601

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

ASTM D516-90

Preparation Techniques: N/A

Table with 6 columns: Program, Method, Analyte, Matrix, Primary, SOP. Row 1: CWP, ASTM D516-90, Sulfate, NPW, MN

EPA 160.4

Preparation Techniques: N/A

Table with 6 columns: Program, Method, Analyte, Matrix, Primary, SOP. Row 1: CWP, EPA 160.4, Residue-volatile, NPW, MN

EPA 1664A (HEM)

Preparation Techniques: Extraction, separatory funnel liquid-liquid (LLE);

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 1664A (HEM)	Oil & Grease	NPW	MN	

EPA 351.2

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 351.2	Kjeldahl nitrogen - total	NPW	MN	

EPA 353.2

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 353.2	Nitrate-nitrite	NPW	MN	

EPA 365.1

Preparation Techniques: N/A

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

EPA 365.3

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 365.3	Total Phosphorus	NPW	MN	

EPA 420.1

Preparation Techniques: Distillation, macro;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 420.1	Total Phenolics	NPW	MN	

SM 2310 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2310 B-97	Acidity, as CaCO ₃	NPW	MN	

SM 2320 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2320 B-97	Alkalinity as CaCO ₃	NPW	MN	

SM 2340 C-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2340 C-97	Total hardness as CaCO ₃	NPW	MN	

SM 2510 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2510 B-97	Conductivity	NPW	MN	

SM 2540 B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 B-97	Residue-total	NPW	MN	

SM 2540 C-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 C-97	Residue-filterable (TDS)	NPW	MN	

SM 2540 F-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 2540 F-97	Residue-settleable	NPW	MN	

SM 4500-Cl⁻ B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-Cl ⁻ B-97	Chloride	NPW	MN	

SM 4500-Cl⁻ E-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-Cl ⁻ E-97	Chloride	NPW	MN	

SM 4500-CN⁻ E-97

Preparation Techniques: Distillation, MIDI;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-CN ⁻ E-97	Total Cyanide	NPW	MN	

SM 4500-H⁺ B-2000

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-H+ B-2000	pH	NPW	MN	

SM 4500-NH3 D-97

Preparation Techniques: Distillation, micro;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-NH3 D-97	Ammonia as N	NPW	MN	

SM 4500-NO2⁻ B-2000

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-NO2 ⁻ B-2000	Nitrite as N	NPW	MN	

SM 4500-NO3⁻ F-2000

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-NO3 ⁻ F-2000	Nitrate-nitrite	NPW	MN	

SM 4500-NO3⁻ F-2011 minus SM 4500-NO2⁻ B-2011 (calc)

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-NO3 ⁻ F-2011 minus SM 4500-NO2 ⁻ B- 2011 (calc)	Nitrate as N	NPW	MN	

SM 4500-P E-1999

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-P E-1999	Orthophosphate as P	NPW	MN	

SM 4500-S2⁻ D-2000

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 4500-S2 ⁻ D-2000	Sulfide	NPW	MN	

SM 5210 B-2001

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 5210 B-2001	Biochemical oxygen demand	NPW	MN	

SM 5220 D-97

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 5220 D-97	Chemical oxygen demand	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;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Aluminum	NPW	MN	
CWP	EPA 200.7	Antimony	NPW	MN	
CWP	EPA 200.7	Arsenic	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	

Program	Method	Analyte	Matrix	Primary	SOP
CWP	EPA 200.7	Calcium	NPW	MN	
CWP	EPA 200.7	Chromium	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	
CWP	EPA 200.7	Selenium	NPW	MN	
CWP	EPA 200.7	Silver	NPW	MN	
CWP	EPA 200.7	Sodium	NPW	MN	
CWP	EPA 200.7	Thallium	NPW	MN	
CWP	EPA 200.7	Tin	NPW	MN	
CWP	EPA 200.7	Vanadium	NPW	MN	
CWP	EPA 200.7	Zinc	NPW	MN	

EPA 245.1

Preparation Techniques: N/A

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

SM 3111 B-1999

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 3111 B-1999	Calcium	NPW	MN	
CWP	SM 3111 B-1999	Iron	NPW	MN	
CWP	SM 3111 B-1999	Magnesium	NPW	MN	
CWP	SM 3111 B-1999	Manganese	NPW	MN	
CWP	SM 3111 B-1999	Potassium	NPW	MN	
CWP	SM 3111 B-1999	Sodium	NPW	MN	
CWP	SM 3111 B-1999	Zinc	NPW	MN	

SM 3113 B-2004

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 3113 B-2004	Antimony	NPW	MN	
CWP	SM 3113 B-2004	Arsenic	NPW	MN	
CWP	SM 3113 B-2004	Beryllium	NPW	MN	
CWP	SM 3113 B-2004	Cadmium	NPW	MN	
CWP	SM 3113 B-2004	Chromium	NPW	MN	
CWP	SM 3113 B-2004	Copper	NPW	MN	
CWP	SM 3113 B-2004	Lead	NPW	MN	
CWP	SM 3113 B-2004	Molybdenum	NPW	MN	
CWP	SM 3113 B-2004	Nickel	NPW	MN	
CWP	SM 3113 B-2004	Selenium	NPW	MN	
CWP	SM 3113 B-2004	Silver	NPW	MN	
CWP	SM 3113 B-2004	Tin	NPW	MN	

SM 3500-Ca B-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 3500-Ca B-97	Calcium	NPW	MN	

SM 3500-Cr B-2009

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 3500-Cr B-2009	Chromium VI	NPW	MN	

Colilert®-18 (Fecal Coliforms)

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	Colilert®-18 (Fecal Coliforms)	Fecal coliforms	NPW	MN	

SM 9222 D (m-FC)-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 9222 D (m-FC)-97	Fecal coliforms	NPW	MN	

SM 9223 B (Colilert® Quanti-Tray®)-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
CWP	SM 9223 B (Colilert® Quanti-Tray®)-97	Escherichia coli	NPW	MN	

Resource Conservation Recovery Program**EPA 6010C**

Preparation Techniques: Digestion, hotplate or HotBlock;

Program	Method	Analyte	Matrix	Primary	SOP
RCRP	EPA 6010C	Arsenic	SCM	MN	
RCRP	EPA 6010C	Cadmium	SCM	MN	
RCRP	EPA 6010C	Chromium	SCM	MN	
RCRP	EPA 6010C	Copper	SCM	MN	
RCRP	EPA 6010C	Lead	SCM	MN	
RCRP	EPA 6010C	Molybdenum	SCM	MN	
RCRP	EPA 6010C	Nickel	SCM	MN	
RCRP	EPA 6010C	Potassium	SCM	MN	
RCRP	EPA 6010C	Selenium	SCM	MN	
RCRP	EPA 6010C	Silver	SCM	MN	
RCRP	EPA 6010C	Zinc	SCM	MN	

EPA 7471B

Preparation Techniques: N/A

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

Safe Drinking Water Program

SM 9223 B (Colilert®)-97

Preparation Techniques: N/A

Program	Method	Analyte	Matrix	Primary	SOP
SDWP	SM 9223 B (Colilert®)-97	Escherichia coli	DW	MN	
SDWP	SM 9223 B (Colilert®)-97	Total coliforms	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.