

# IOWA DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL LABORATORY CERTIFICATION

**Davy Laboratories**

**IA LAB #304**

The above-named laboratory has complied with 567 Iowa Administrative Code Chapter 83 and is certified to analyze samples in the programs listed below. Please refer to the accompanying letter of certification for the official list of individual certified analytes & methods. This certificate does not convey certification without the accompanying letter of certification.

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~ NPW ~ MS ~

*On behalf of the director*

*Kathleen A. Lee*

22 August 2022

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**Certification Authority**

**EFFECTIVE: 9/1/2022**

**EXPIRES: 9/1/2024**

*Leading Iowans in Caring for Our Natural Resources*



# APPROVED PARAMETER LIST 2 - METHOD NAME



Davy Laboratories  
IA LAB #304

Effective: 09/01/2022  
Expires: 09/01/2024

\*\*\*\*\* Begin Parameter List \*\*\*\*\*

Method Name	TNI Method Code	Analyte Name	TNI Analyte Code	SDWIS Code	SDWA Code	Regulatory Status
<b>Program: Nonpotable Water</b>						
ASTM D516-11	30002245	Sulfate	2000	NA	NA	C
Colilert-18 (Fecal Coliforms)	60002688	Fecal coliforms	2530	NA	NA	C
EPA 160.4	10010409	Residue-volatile	1970	NA	NA	C
EPA 1664B	10261617	n-Hexane Extractable Material (O&G)	1803	NA	NA	C
EPA 200.7	10013806	Aluminum	1000	NA	NA	C
		Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Barium	1015	NA	NA	C
		Beryllium	1020	NA	NA	C
		Boron	1025	NA	NA	C
		Cadmium	1030	NA	NA	C
		Calcium	1035	NA	NA	C
		Chromium (Total)	1040	NA	NA	C
		Cobalt	1050	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Lead	1075	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Potassium	1125	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Sodium	1155	NA	NA	C
		Thallium	1165	NA	NA	C
		Tin	1175	NA	NA	C
		Titanium	1180	NA	NA	C
		Total Chromium	1600	NA	NA	C
		Total Phosphorus	1910	NA	NA	W
		Vanadium	1185	NA	NA	C
		Zinc	1190	NA	NA	C
EPA 245.1	10036609	Mercury	1095	NA	NA	C
EPA 351.2	10065404	Total Kjeldahl Nitrogen (TKN)	1795	NA	NA	C
EPA 353.2	10067604	Nitrate as N plus Nitrite as N	1820	NA	NA	C
EPA 365.1	10070005	Orthophosphate as P	1870	NA	NA	C
		Total Phosphorus	1910	NA	NA	C
HACH 8000	60003001	Chemical Oxygen Demand (COD)	1565	NA	NA	C
SM 2320 B-2011	20045618	Total alkalinity	1505	NA	NA	C
SM 2340 B-2011	20046611	Total hardness as CaCO3	1755	NA	NA	C
SM 2510 B-2011	20048617	Conductivity	1610	NA	NA	C
SM 2540 B-2011	20049416	Residue, total (TS)	1950	NA	NA	C
SM 2540 C-2011	20050413	TDS - Residue, filterable	1955	NA	NA	C
SM 2540 F-2011	20052215	Residue-settleable	1965	NA	NA	C
SM 3111 B-2011	20055429	Antimony	1005	NA	NA	W
		Calcium	1035	NA	NA	C
		Copper	1055	NA	NA	C
		Iron	1070	NA	NA	C
		Magnesium	1085	NA	NA	C
		Manganese	1090	NA	NA	C
		Potassium	1125	NA	NA	C
		Sodium	1155	NA	NA	C
		Zinc	1190	NA	NA	C

Method Name	TNI Method Code	Analyte Name	TNI Analyte Code	SDWIS Code	SDWA Code	Regulatory Status
SM 3113 B-2004	20058837	Silver	1150	NA	NA	W
SM 3113 B-2010	20058859	Antimony	1005	NA	NA	C
		Arsenic	1010	NA	NA	C
		Cadmium	1030	NA	NA	C
		Copper	1055	NA	NA	C
		Lead	1075	NA	NA	C
		Nickel	1105	NA	NA	C
		Selenium	1140	NA	NA	C
		Silver	1150	NA	NA	C
		Total Chromium	1600	NA	NA	C
SM 4500-Cl B-2011	20078426	Total Residual Chlorine	1940	NA	NA	C
SM 4500-Cl <sup>-</sup> B-2011	20084611	Chloride	1575	NA	NA	C
SM 4500-Cl <sup>-</sup> E-2011	20086811	Chloride	1575	NA	NA	C
SM 4500-F <sup>-</sup> C-2011	20102414	Fluoride	1730	NA	NA	C
SM 4500-H <sup>+</sup> B-2011	20105220	pH+	1900	NA	NA	C
SM 4500-NH <sub>3</sub> B-2011	20106018	Ammonia as N	1515	NA	NA	C
		Ammonia Distillation	1404	NA	NA	C
SM 4500-NH <sub>3</sub> D-2011	20109415	Ammonia as N	1515	NA	NA	C
SM 4500-NO <sub>2</sub> <sup>-</sup> B-2011	20113115	Nitrite as N	1840	NA	NA	C
SM 4500-NO <sub>3</sub> <sup>-</sup> D-2011	20114118	Nitrate as N	1810	NA	NA	C
SM 4500-O G-2011	20121668	Dissolved Oxygen	1880	NA	NA	C
SM 5210 B-2011	20135266	Biochemical Oxygen Demand (BOD)	1530	NA	NA	C
		Carbonaceous BOD (CBOD)	1555	NA	NA	C
SM 5220 C-2011	20136010	Chemical Oxygen Demand (COD)	1565	NA	NA	C
SM 9222 D-2006	20210019	Fecal coliforms	2530	NA	NA	C
SM 9223 B (Colilert Quanti-Tray)-2004	20211614	E. coli	2525	NA	NA	C
USGS I-3765-85	40011209	TSS - Residue, nonfilterable	1960	NA	NA	C
<b>Program: Municipal Sludge (503b)</b>						
EPA 351.2	10065404	Total Kjeldahl Nitrogen (TKN)	1795	NA	NA	C
EPA 6010D	10155950	Arsenic	1010	NA	NA	C
		Cadmium	1030	NA	NA	C
		Copper	1055	NA	NA	C
		Lead	1075	NA	NA	C
		Molybdenum	1100	NA	NA	C
		Nickel	1105	NA	NA	C
		Selenium	1140	NA	NA	C
		Total Chromium	1600	NA	NA	C
		Zinc	1190	NA	NA	C
EPA 7010	10157810	Arsenic	1010	NA	NA	C
		Selenium	1140	NA	NA	C
EPA 7471B	10166457	Mercury	1095	NA	NA	C
SM 2540 G-2011	20005270	Residue, total (TS)	1950	NA	NA	C
		Residue-volatile	1970	NA	NA	C
SM 4500-NH <sub>3</sub> B-2011	20106018	Ammonia as N	1515	NA	NA	C
SM 4500-NH <sub>3</sub> D-2011	20109415	Ammonia as N	1515	NA	NA	C
SM 9222 D-2006	20210019	Fecal coliforms	2530	NA	NA	C

\*\*\*\*\* End Parameter List \*\*\*\*\*