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west virginia department of environmental protection

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**Fredericktowne Labs, Inc.**

3020 Ventrie Court, Unit A,  
Myersville, MD 21773

State Lab ID: 415

Effective Date: 11/14/2024

Expiration Date: 11/30/2025

Certificate ID: WV-C24-00175

This laboratory is hereby certified to perform analyses for the purpose of determining compliance with the requirements of the state's natural resources and environmental programs where required by an order issued by the agency or required by statute. This certificate does not guarantee the validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

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Issued By: Kelly Mayhew, QA Officer

Date Issued: 11/14/2024

### Laboratory Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	AB
NPW	Colilert	60002600	Escherichia coli (E. coli)	2525	WV
NPW	Colilert-18	60002666	Escherichia coli (E. coli)	2525	WV
NPW	Colilert-18 (Fecal Coliforms) (2010)	60002688	Fecal coliforms	2530	WV
NPW	EPA 130.1 (1971)	10006798	Total hardness as CaCO <sub>3</sub>	1755	WV
NPW	EPA 1664B (2010)	10261617	n-Hexane Extractable Material (O&G)	1803	WV
NPW	EPA 180.1 (2, 1993)	10011800	Turbidity	2055	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Aluminum	1000	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Antimony	1005	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Arsenic	1010	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Barium	1015	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Beryllium	1020	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Boron	1025	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Cadmium	1030	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Calcium	1035	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Chromium	1040	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Cobalt	1050	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Copper	1055	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Iron	1070	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Lead	1075	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Magnesium	1085	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Manganese	1090	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Molybdenum	1100	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Nickel	1105	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Potassium	1125	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Selenium	1140	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Silver	1150	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Sodium	1155	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Thallium	1165	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Vanadium	1185	WV
NPW	EPA 200.8 (5.4, 1994)	10014605	Zinc	1190	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Chloride	1575	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Fluoride	1730	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Nitrate as N	1810	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Nitrate plus Nitrite as N	1820	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Nitrite as N	1840	WV
NPW	EPA 300.0 (2.1, 1993)	10053200	Orthophosphate as P	1870	WV

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NPW	EPA 300.0 (2.1, 1993)	10053200	Sulfate	2000	WV
NPW	EPA 350.1 (2, 1993)	10063602	Ammonia as N	1515	WV
NPW	EPA 351.2 (2, 1993)	10065404	Total Kjeldahl Nitrogen (TKN)	1795	WV
NPW	EPA 353.2 (2, 1993)	10067604	Nitrate plus Nitrite as N	1820	WV
NPW	EPA 353.2 (2, 1993)	10067604	Nitrite as N	1840	WV
NPW	EPA 353.2 (calc)	10238809	Nitrate as N	1810	WV
NPW	EPA 365.1 (2, 1993)	10070005	Orthophosphate as P	1870	WV
NPW	EPA 365.1 (2, 1993)	10070005	Total Phosphorus	1910	WV
NPW	HACH 10242 (1.1, 2013)	60005687	Total Kjeldahl Nitrogen (TKN)	1795	WV
NPW	HACH 8000 (1979)	60003001	Chemical Oxygen Demand (COD)	1565	WV
NPW	SM 2310 B-2011 (2011)	20044615	Acidity, as CaCO3	1500	WV
NPW	SM 2320 B-2011 (2011)	20045618	Alkalinity as CaCO3	1505	WV
NPW	SM 2340 B-2011 (2011)	20046611	Calcium hardness as CaCO3	1550	WV
NPW	SM 2340 B-2011 (2011)	20046611	Total hardness as CaCO3	1755	WV
NPW	SM 2510 B-2011 (2011)	20048617	Conductivity	1610	WV
NPW	SM 2540 B-2015 (2015)	20049438	Residue-total (TS)	1950	WV
NPW	SM 2540 C-2015 (2015)	20050435	Residue-filterable (TDS)	1955	WV
NPW	SM 2540 D-2015 (2015)	20051223	Residue-nonfilterable (TSS)	1960	WV
NPW	SM 2540 E-2015 (2015)	20051610	Residue-volatile	1970	WV
NPW	SM 2540 F-2015 (2015)	20052226	Residue-settleable	1965	WV
NPW	SM 4500-NH3 B-2011 (2011)	20106018	Ammonia Distillation	1404	WV
NPW	SM 4500-NH3 D-2011 (2011)	20109415	Ammonia as N	1515	WV
NPW	SM 5210 B-2016 (2016)	20135039	Biochemical Oxygen Demand (BOD)	1530	WV
NPW	SM 5210 B-2016 (2016)	20135039	Carbonaceous BOD (CBOD)	1555	WV
NPW	SM 9223 B-2016 (2016)	20037701	Escherichia coli (E. coli)	2525	WV
NPW	HACH 8190 (5th ED, 2008)	60003909	Total Phosphorus	1910	WV
NPW	SM 9215 E SimPlate	20185302	Heterotrophic plate count	2555	WV