

Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 013-001 expiration date 03/31/2026. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

Free-Col Laboratory
613 W 11th Street
Erie, PA 16501
(814)-460-0861

DEP Laboratory ID: 25-03459

EPA Lab Code: PA01452

PADWIS ID: 03459

Matrix: Drinking Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
EPA 1664	B	10261617	Oil and grease	1803	State	PA	05/03/2022
EPA 200.5	4.2	10213975	Arsenic	1010	State	PA	10/06/2020
EPA 200.5	4.2	10213975	Lead	1075	State	PA	10/06/2020
EPA 200.5	4.2	10213975	Selenium	1140	State	PA	10/06/2020
EPA 200.7	4.4	10013806	Aluminum	1000	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Antimony	1005	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Arsenic	1010	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Barium	1015	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Beryllium	1020	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Cadmium	1030	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Calcium	1035	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Chromium	1040	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Cobalt	1050	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Copper	1055	State	PA	05/05/2021
EPA 200.7	4.4	10013806	Iron	1070	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Magnesium	1085	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Manganese	1090	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Molybdenum	1100	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Nickel	1105	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Potassium	1125	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Selenium	1140	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Silver	1150	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Sodium	1155	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Strontium	1160	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Vanadium	1185	State	PA	04/24/2020

Ammerie Beach

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EPA 200.7	4.4	10013806	Zinc	1190	State	PA	04/24/2020
SM 2320B - 2011	22nd ed.	20045414	Alkalinity as CaCO ₃	1505	State	PA	04/24/2020
SM 2510B - 2011	22nd ed.	20048413	Conductivity	1610	State	PA	02/27/2024
SM 2540C - 2015	23rd ed.	20050457	Residue, filterable (TDS)	1955	State	PA	04/24/2020
SM 2540D - 2015	23rd ed.	20050446	Residue, nonfilterable (TSS)	1960	State	PA	04/24/2020
SM 4500-Cl G - 2011	22nd ed.	20081418	Residual free chlorine	1945	State	PA	04/24/2020
SM 4500-Cl G - 2011	22nd ed.	20081418	Total residual chlorine	1940	State	PA	04/24/2020
SM 4500-H + B - 2011	22nd ed.	20105015	pH	1900	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Nitrate as N	1810	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Nitrite as N	1840	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Total nitrate-nitrite	1820	State	PA	04/24/2020
SM 4500-P B - 2011	23rd ed.	20123222	Preliminary treatment of phosphate samples	1479	State	PA	04/24/2020
SM 4500-P E - 2011	23rd ed.	20124032	Phosphorus, total	1910	State	PA	04/24/2020
SM 4500-SO ₄ D - 2011	22nd ed.	20132018	Sulfate	2000	State	PA	04/24/2020
SM 5210B - 2016	23rd ed.	20135028	Biochemical oxygen demand (BOD)	1530	State	PA	04/24/2020
SM 5210B - 2016	23rd ed.	20135028	Carbonaceous BOD (CBOD)	1555	State	PA	04/24/2020
SM 9215 B-2016 (PCA)	23rd ED	20179833	Heterotrophic bacteria (Enumeration)	2555	State	PA	04/24/2020
SM 9223 B-2016 (Colilert)	23rd ED	20214442	E. coli [RTCR] (P/A)	2525	State	PA	04/24/2020
SM 9223 B-2016 (Colilert)	23rd ED	20214442	Total coliforms [RTCR] (P/A)	2500	State	PA	04/24/2020
SM 9223 B-2016 (Colilert-18)	23rd ED	20214431	E. coli [RTCR] (P/A)	2525	State	PA	03/27/2024
SM 9223 B-2016 (Colilert-18)	23rd ED	20214431	Total coliforms [RTCR] (P/A)	2500	State	PA	03/27/2024
SM 9223 B-2016 (Colilert-18/QT)	23rd ED	20213449	E. coli (Enumeration)	2525	State	PA	04/24/2020

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SM 9223 B-2016 (Colilert-18/QT)	23rd ED	20213449	Total coliform (Enumeration)	2500	State	PA	04/24/2020

Matrix: Non-Potable Water

Method	Revision	TNI Method Code	Analyte	TNI Analyte Code	Accreditation Type	Primary State	Effective Date
Colilert-18/Quanti-Tray (Fecal Coliforms)		60002688	Fecal coliform (Enumeration)	2530	State	PA	04/24/2020
EPA 1664	B	10261617	Oil and grease	1803	State	PA	05/03/2022
EPA 200.7	4.4	10013806	Aluminum	1000	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Antimony	1005	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Arsenic	1010	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Barium	1015	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Beryllium	1020	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Cadmium	1030	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Calcium	1035	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Chromium	1040	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Cobalt	1050	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Copper	1055	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Iron	1070	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Lead	1075	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Magnesium	1085	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Manganese	1090	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Molybdenum	1100	State	PA	04/24/2020

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EPA 200.7	4.4	10013806	Selenium	1140	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Silver	1150	State	PA	03/27/2024
EPA 200.7	4.4	10013806	Sodium	1155	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Strontium	1160	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Vanadium	1185	State	PA	04/24/2020
EPA 200.7	4.4	10013806	Zinc	1190	State	PA	04/24/2020
EPA 3010	A	10133605	Hot plate acid digestion (HNO ₃ + HCl)	1420	State	PA	04/24/2020
HACH 8000		60003001	Chemical oxygen demand (COD)	1565	State	PA	04/24/2020
SM 2320B - 2011	22nd ed.	20045414	Alkalinity as CaCO ₃	1505	State	PA	04/24/2020
SM 2510B - 2011	22nd ed.	20048413	Conductivity	1610	State	PA	04/24/2020
SM 2540B - 2015	23rd ed.	20048684	Residue, total	1950	State	PA	04/24/2020
SM 2540C - 2015	23rd ed.	20050457	Residue, filterable (TDS)	1955	State	PA	04/24/2020
SM 2540D - 2015	23rd ed.	20050446	Residue, nonfilterable (TSS)	1960	State	PA	04/24/2020
SM 4500-Cl G - 2011	22nd ed.	20081418	Residual free chlorine	1945	State	PA	04/24/2020
SM 4500-Cl G - 2011	22nd ed.	20081418	Total residual chlorine	1940	State	PA	04/24/2020
SM 4500-H + B - 2011	22nd ed.	20105015	pH	1900	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Nitrate as N	1810	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Nitrite as N	1840	State	PA	04/24/2020
SM 4500-NO ₃ - E - 2016	23rd ed.	20014630	Total nitrate-nitrite	1820	State	PA	04/24/2020
SM 4500-P B - 2011	23rd ed.	20123222	Preliminary treatment of phosphate samples	1479	State	PA	04/24/2020
SM 4500-P E - 2011	23rd ed.	20124032	Phosphorus, total	1910	State	PA	04/24/2020
SM 4500-SO ₄ D - 2011	22nd ed.	20132018	Sulfate	2000	State	PA	04/24/2020
SM 5210B - 2016	23rd ed.	20135028	Biochemical oxygen demand (BOD)	1530	State	PA	04/24/2020

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SM 5210B - 2016	23rd ed.	20135028	Carbonaceous BOD (CBOD)	1555	State	PA	04/24/2020
USGS I-1187-85		40002004	Chloride	1575	State	PA	04/24/2020

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