

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES
LABORATORY ACCREDITATION PROGRAM

Certifies That

25-03459

Free-Col Laboratory

613 W 11th Street, Erie, PA, 16501

Having duly met the requirement of

Chapter 252 Regulations

issued under the act of June 29, 2002

(P.L. 596, No. 90) dealing with Environmental Laboratory Accreditation (27 Pa. C.S. 4104-4113)

is hereby approved as an

Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

Expiration Date: **04/30/2021**

Certificate Number: **008**



Dana T. Marshall, Acting Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status



Laboratory Scope of Accreditation

Attached to Certificate of Accreditation 008-002 expiration date 04/30/2021. 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) 455-8061

DEP Laboratory ID: 25-03459

EPA Lab Code: PA01452

PADWIS ID: 03459

Matrix: Drinking Water

| Method | Revision | Analyte | Accreditation Type | Primary State | Effective Date |
|-----------------------------|----------|--|--------------------|---------------|----------------|
| EPA 200.7 | 4.4 | Aluminum | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Antimony | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Arsenic | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Barium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Beryllium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Cadmium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Calcium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Chromium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Cobalt | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Copper | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Iron | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Magnesium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Manganese | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Molybdenum | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Nickel | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Potassium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Selenium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Silver | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Sodium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Strontium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Vanadium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Zinc | State | PA | 04/24/2020 |
| SM 2320 B | | Alkalinity as CaCO ₃ | State | PA | 04/24/2020 |
| SM 2510 B | | Conductivity | State | PA | 04/24/2020 |
| SM 2540 C | | Residue, filterable (TDS) | State | PA | 04/24/2020 |
| SM 2540 D | | Residue, nonfilterable (TSS) | State | PA | 04/24/2020 |
| SM 3030 E | | Nitric acid digestion | State | PA | 04/24/2020 |
| SM 3113 B | | Arsenic | State | PA | 04/24/2020 |
| SM 3113 B | | Selenium | State | PA | 04/24/2020 |
| SM 4500-Cl G | | Free chlorine | State | PA | 04/24/2020 |
| SM 4500-Cl G | | Total chlorine | State | PA | 04/24/2020 |
| SM 4500-H+ B | | pH | State | PA | 04/24/2020 |
| SM 4500-NO ₃ - E | | Nitrate as N | State | PA | 04/24/2020 |
| SM 4500-NO ₃ - E | | Nitrite as N | State | PA | 04/24/2020 |
| SM 4500-NO ₃ - E | | Total nitrate-nitrite | State | PA | 04/24/2020 |
| SM 4500-P B | | Preliminary treatment of phosphate samples | State | PA | 04/24/2020 |
| SM 4500-P E | | Orthophosphate as P | State | PA | 04/24/2020 |
| SM 4500-P E | | Phosphorus, total | State | PA | 04/24/2020 |
| SM 4500-SO ₄ D | | Sulfate | State | PA | 04/24/2020 |
| SM 5210 B | | Biochemical oxygen demand (BOD) | State | PA | 04/24/2020 |
| SM 5210 B | | Carbonaceous BOD (CBOD) | State | PA | 04/24/2020 |
| SM 9215 B | | Heterotrophic bacteria (Enumeration) | State | PA | 04/24/2020 |
| SM 9223 Colilert | | E. coli (Enumeration) | State | PA | 04/24/2020 |
| SM 9223 Colilert | | Total coliform & E. coli (P/A) | State | PA | 04/24/2020 |

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The Pennsylvania Department of Environmental Protection Laboratory Accreditation Program is a NELAP recognized Accreditation Body. Customers are urged to verify the laboratory's current accreditation standing.

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Erie, PA 16501
(814) 455-8061

DEP Laboratory ID: 25-03459
EPA Lab Code: PA01452
PADWIS ID: 03459

Matrix: Drinking Water

| Method | Revision | Analyte | Accreditation Type | Primary State | Effective Date |
|------------------|----------|------------------------------|--------------------|---------------|----------------|
| SM 9223 Colilert | | Total coliform (Enumeration) | State | PA | 04/24/2020 |

Matrix: Non-Potable Water

| Method | Revision | Analyte | Accreditation Type | Primary State | Effective Date |
|------------------------|----------|---|--------------------|---------------|----------------|
| Colilert 18/Quantitray | | Fecal coliform (Enumeration) | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Aluminum | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Antimony | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Arsenic | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Barium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Beryllium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Cadmium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Calcium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Chromium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Cobalt | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Copper | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Iron | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Lead | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Magnesium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Manganese | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Molybdenum | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Nickel | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Potassium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Selenium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Silver | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Sodium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Strontium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Vanadium | State | PA | 04/24/2020 |
| EPA 200.7 | 4.4 | Zinc | State | PA | 04/24/2020 |
| EPA 3010 | A | Hot plate acid digestion (HNO ₃ + HCl) | State | PA | 04/24/2020 |
| HACH 8000 | | Chemical oxygen demand (COD) | State | PA | 04/24/2020 |
| SM 2320 B | | Alkalinity as CaCO ₃ | State | PA | 04/24/2020 |
| SM 2510 B | | Conductivity | State | PA | 04/24/2020 |
| SM 2540 B | | Residue, total | State | PA | 04/24/2020 |
| SM 2540 C | | Residue, filterable (TDS) | State | PA | 04/24/2020 |
| SM 2540 D | | Residue, nonfilterable (TSS) | State | PA | 04/24/2020 |
| SM 3030 E | | Nitric acid digestion | State | PA | 04/24/2020 |
| SM 3113 B | | Arsenic | State | PA | 04/24/2020 |
| SM 3113 B | | Selenium | State | PA | 04/24/2020 |
| SM 3500-Cr B | 20-22 | Chromium VI | State | PA | 04/24/2020 |
| SM 4500-Cl G | | Free chlorine | State | PA | 04/24/2020 |
| SM 4500-Cl G | | Total chlorine | State | PA | 04/24/2020 |
| SM 4500-H+ B | | pH | State | PA | 04/24/2020 |

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| Method | Revision | Analyte | Accreditation Type | Primary State | Effective Date |
|----------------|-----------------|--|---------------------------|----------------------|-----------------------|
| SM 4500-NO3- E | | Nitrate as N | State | PA | 04/24/2020 |
| SM 4500-NO3- E | | Nitrite as N | State | PA | 04/24/2020 |
| SM 4500-NO3- E | | Total nitrate-nitrite | State | PA | 04/24/2020 |
| SM 4500-O G | | Oxygen (dissolved) | State | PA | 04/24/2020 |
| SM 4500-P B | | Preliminary treatment of phosphate samples | State | PA | 04/24/2020 |
| SM 4500-P E | | Orthophosphate as P | State | PA | 04/24/2020 |
| SM 4500-P E | | Phosphorus, total | State | PA | 04/24/2020 |
| SM 4500-SO4 D | | Sulfate | State | PA | 04/24/2020 |
| SM 5210 B | | Biochemical oxygen demand (BOD) | State | PA | 04/24/2020 |
| SM 5210 B | | Carbonaceous BOD (CBOD) | State | PA | 04/24/2020 |
| USGS I-1187-85 | | Chloride | State | PA | 04/24/2020 |

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