

Attached to Certificate of Accreditation 009-001 expiration date 03/31/2022. 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
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 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
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

Annamarie Beach

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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

Ammerlee Beach

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Laboratory Scope of Accreditation

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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

Annamarie Beach