

ATTACHMENT I

WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER AND WASTE MANAGEMENT

List of Certified Parameters
for

**ENVIRONMENTAL MONITORING,
INCORPORATED
NORTON, VIRGINIA**

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

| <u>ANALYTE</u> | <u>METHOD</u> | <u>TECHNOLOGY</u> |
|---|-----------------------|--------------------|
| Acidity | SM2310 B-11 | Titrimetric |
| Alkalinity | SM2320 B-11 | Titrimetric |
| Ammonia | EPA350.1 Rev 2.0-1993 | Spectrophotometric |
| Chloride | EPA300.0 Rev 2.1-1993 | IC |
| Conductance, Specific | SM2510 B-11 | Probe |
| Hardness, Total | SM2340 B-11 | Calculation |
| Hardness, Total | SM2340 C-11 | Titrimetric |
| Nitrate | EPA300.0 Rev 2.1-1993 | IC |
| Nitrate-Nitrite | EPA300.0 Rev 2.1-1993 | Calculation |
| Nitrite | EPA300.0 Rev 2.1-1993 | IC |
| Oxygen Demand, Biochemical (BOD) | SM5210 B-16 | Probe |
| Oxygen Demand, Carbonaceous Biochemical (CBOD) | SM5210 B-16 | Probe |
| Oxygen Demand, Chemical (COD) | HACH 8000 | Spectrophotometric |
| Solids, Dissolved | SM2540 C-15 | Gravimetric |
| Solids, Settleable | SM2540 F-15 | Imhoff Cone |
| Solids, Suspended | SM2540 D-15 | Gravimetric |
| Sulfate | EPA300.0 Rev 2.1-1993 | IC |
| Turbidity | SM2130 B-11 | Turbidimetric |

NONPOTABLE WATER TRACE METALS

| <u>METAL</u> | <u>METHOD</u> | <u>TECHNOLOGY</u> |
|--------------|-----------------------|-------------------|
| Aluminum | EPA200.7 Rev 4.4-1994 | ICP |
| Antimony | EPA200.7 Rev 4.4-1994 | ICP |
| Antimony | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Arsenic | EPA200.7 Rev 4.4-1994 | ICP |
| Arsenic | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Barium | EPA200.7 Rev 4.4-1994 | ICP |
| Barium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Beryllium | EPA200.7 Rev 4.4-1994 | ICP |

| <u>METAL</u> | <u>METHOD</u> | <u>TECHNOLOGY</u> |
|--------------|-----------------------|-------------------|
| Beryllium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Boron | EPA200.7 Rev 4.4-1994 | ICP |
| Cadmium | EPA200.7 Rev 4.4-1994 | ICP |
| Cadmium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Calcium | EPA200.7 Rev 4.4-1994 | ICP |
| Chromium | EPA200.7 Rev 4.4-1994 | ICP |
| Chromium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Cobalt | EPA200.7 Rev 4.4-1994 | ICP |
| Cobalt | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Copper | EPA200.7 Rev 4.4-1994 | ICP |
| Copper | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Iron | EPA200.7 Rev 4.4-1994 | ICP |
| Lead | EPA200.7 Rev 4.4-1994 | ICP |
| Lead | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Magnesium | EPA200.7 Rev 4.4-1994 | ICP |
| Manganese | EPA200.7 Rev 4.4-1994 | ICP |
| Metals | EPA200.2 | Digestion |
| Molybdenum | EPA200.7 Rev 4.4-1994 | ICP |
| Molybdenum | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Nickel | EPA200.7 Rev 4.4-1994 | ICP |
| Nickel | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Potassium | EPA200.7 Rev 4.4-1994 | ICP |
| Selenium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Silver | EPA200.7 Rev 4.4-1994 | ICP |
| Silver | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Sodium | EPA200.7 Rev 4.4-1994 | ICP |
| Thallium | EPA200.7 Rev 4.4-1994 | ICP |
| Thallium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Vanadium | EPA200.7 Rev 4.4-1994 | ICP |
| Vanadium | EPA200.8 Rev 5.4-1994 | ICP-MS |
| Zinc | EPA200.7 Rev 4.4-1994 | ICP |
| Zinc | EPA200.8 Rev 5.4-1994 | ICP-MS |

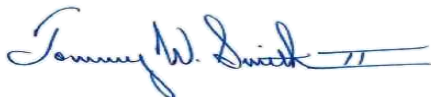
SOLID AND CHEMICAL TRACE METALS

| <u>METAL</u> | <u>METHOD</u> | <u>TECHNOLOGY</u> |
|--------------|-----------------------|-------------------|
| Selenium | EPA200.8 Rev 5.4-1994 | ICP-MS |

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

This Certification Expires January 31, 2024.

Certificate No 105



Issued on December 08, 2022

Tommy W. Smith II
Quality Assurance Officer

This certified parameter list supersedes all previously issued parameter lists for this certificate number.