



Wastewater, Recycled Water, Storm Water & Ground Water Program Work - Including Subcontracted Analytical Specifics

| Analysis | Test Method | PQL(s) | Bottle Size/Type | Preservation | Hold Time | Sub | Lab Dept. |
|--------------------------------------|----------------|----------------------------|---------------------------|--------------|-----------|-----|------------|
| Acidity | SM2310B | 2mg/l | 500ml Poly | None | 14days | | Wet Chem |
| Alkalinity - Total | SM2320B | 5mg/l | 500ml Poly | None | 14days | | Wet Chem |
| Alkalinity - Bicarbonate | SM2320B | 5mg/l | 500ml Poly | None | 14days | | Wet Chem |
| Alkalinity - Carbonate | SM2320B | 5mg/l | 500ml Poly | None | 14days | | Wet Chem |
| Alkalinity - Hydroxide | SM2320B | 5mg/l | 500ml Poly | None | 14days | | Wet Chem |
| Ammonia | SM4500NH3C | 0.5mg/l | 1 Liter Poly | H2SO4 | 28days | | Wet Chem |
| Ammonia as Nitrogen | SM4500NH3C | 0.2mg/l | 1 Liter Poly | H2SO4 | 28days | | Wet Chem |
| Ammonia Unionized | EPA600 | 0.5ug/l | 500ml Poly | H2SO4 | 28days | | Wet Chem |
| Ammonium | Various | Click Here | 1/2 Gallon Poly | H2SO4 | 14days | | Wet Chem |
| Asbestos | 100.2 | Sub | 2 x 1 Liter Amber Glass | None | 48hrs | * | NA |
| Acute Bioassay 96hr by Rainbow Trout | EPA821-R-02-01 | % survival | 4 x 2.5 Gallon Cubitainer | None | 36hrs | | Bioassay |
| Biological Oxygen Demand (BOD) | SM5210B | 5mg/l | 1/2 Gallon Poly | None | 48hrs | | Wet Chem |
| Carbonaceous BOD | SM5210B | 5mg/l | 1/2 Gallon Poly | None | 48hrs | | Wet Chem |
| Chemical Oxygen Demand (COD) | SM5220D | 50mg/l | 500ml Poly | H2SO4 | 28days | | Wet Chem |
| Chlorophyll(a) | SM1020 | 0.01mg/l | 1 Liter Brown Poly | None | 72hrs | | Wet Chem |
| Chloramines | SM4500-CLF | 0.1mg/l | 500ml Amber Glass | None | 15minutes | | Wet Chem |
| Chlorine - Total Residual | SM4500-CLF | 0.1mg/l | 500ml Amber Glass | None | 15minutes | | Wet Chem |
| Chlorine - Free Residual | SM4500-CLF | 0.1mg/l | 500ml Amber Glass | None | 15minutes | | Wet Chem |
| Coliform - Fecal Streptococcus | SM9230 | 2 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Coliform - Enterococcus | SM9230 | 1 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Coliform - Total (MPN) | SM9221 | 2 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Coliform - Fecal (MPN) | SM9221 | 2 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Coliform - Total/Fecal (MPN) | SM9221 | 2 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Coliform - Het. Plate Count | SM9215B | 2 MPN | 100ml Sterile Poly | Na2S2O3 | 8hrs | | Wet Chem |
| Conductivity | SM2510B | 20umhos/cm | 250ml Poly | None | 28days | | Wet Chem |
| Dissolved Oxygen | SM4500-OG | 0.1mg/l | 500ml Amber Glass | None | 15minutes | | Wet Chem |
| Giardia / Cryptosporidium | 1623 | NA | Call | None | 36hrs | * | NA |
| Methyl Blue Active Substances (MBAS) | SM5540C | 0.05mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| pH | SM4500 H+B | | 250ml Poly | None | 15minutes | | Wet Chem |
| Phosphate as P | SM4500-PE | 0.04mg/l | 500ml Poly | H2SO4 | 28days | | Inorganics |
| Phosphate - Total | SM4500 | 0.1mg/l | 500ml Poly | H2SO4 | 28days | | Inorganics |
| Phosphorus as PO4 | SM4500 | 0.1mg/l | 500ml Poly | H2SO4 | 28days | | Inorganics |
| Phosphorus - Organic | SM4500 | 0.1mg/l | 500ml Poly | H2SO4 | 28days | | Wet Chem |
| Phosphorus - Total | SM4500 | 0.1mg/l | 500ml Poly | H2SO4 | 28days | | Inorganics |

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| Salmonella | EPA1620 | MPN | 100ml Sterile Poly | Na2S2O3 | 24hrs | * | NA |
| Salinity | SM2520 | 2g/kg | 500ml Poly | None | 28days | | Wet Chem |
| Solids - Fixed Dissolved | EPA160.4 | 10mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Fixed Suspended | EPA160.4 | 1mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Settleable | SM2540F | 0.1ml/hr | 1 Liter Poly | None | 48hrs | | Wet Chem |
| Solids - Total Dissolved | SM2540C | 10mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Total Fixed | EPA160.4 | 1mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Total | SM2540B | 10mg/l | 1 Liter Poly | None | 7days | | Wet Chem |
| Solids - Total Suspended | SM2540D | 1mg/l | 1 Liter Poly | None | 7days | | Wet Chem |
| Solids - Total Volatile | EPA160.4 | 1mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Volatile Dissolved | EPA160.4 | 5mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Solids - Volatile Suspended | EPA160.4 | 1mg/l | 500ml Poly | None | 7days | | Wet Chem |
| Total Kjeldahl Nitrogen (TKN) | SM4500 - NoB | 1mg/l | 1 Liter Poly | H2SO4 | 28days | | Inorganics |
| Turbidity | SM2130B | 0.1NTU | 500ml Poly | None | 48hrs | | Wet Chem |
| Ag - Silver by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Ag - Silver by ICPMS | EPA200.8 | 0.1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Al - Aluminum by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Al - Aluminum by ICPMS | EPA200.8 | 10ug/l | 500ml Poly | None | 180days | | Inorganics |
| As - Arsenic by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| As - Arsenic by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| B - Boron by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| B - Boron by ICPMS | EPA200.8 | 50ug/l | 500ml Poly | None | 180days | | Inorganics |
| Ba - Barium by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Ba - Barium by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Be - Beryllium by ICP | EPA200.7 | 1ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Be - Beryllium by ICPMS | EPA200.8 | 0.1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Bromide | EPA300.1 | 50ug/l | 250ml Poly | EDA | 14 days | | Inorganics |
| Ca - Calcium by ICP | EPA200.7 | 1mg/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Cd - Cadmium by ICP | EPA200.7 | 1ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Cd - Cadmium by ICPMS | EPA200.8 | 0.1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Chloride | EPA300.0 | 0.5mg/l | 500ml Poly | None | 28days | | Inorganics |
| Co - Cobalt by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Co - Cobalt by ICPMS | EPA200.8 | 0.1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Cr - Chromium by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Cr - Chromium by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Cr6 (Hexavalent Chromium) | EPA218.6 | 0.5ug/l | 250ml Poly | Ammonium Sulfate Buffer | 28days | | Wet Chem |
| Cr6 (Hexavalent Chromium) | SM3500 | 10ug/l | 250ml Poly | Ammonium Sulfate Buffer | 28days | | Inorganics |
| Cu - Copper by ICP | EPA200.7 | 20ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Cu - Copper by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Cyanide | Quickchem 10-204-00-1-X | 3ug/l | 250ml Brown Poly | NaOH | 14days | | Wet Chem |
| Cyanide | SM4500-CRB | 20ug/l | 250ml Brown Poly | NaOH | 14days | | Wet Chem |
| Cyanide - Amenable | SM4500-CNG | 20ug/l | 250ml Brown Poly | NaOH | 14days | | Wet Chem |
| Dissolved Organic Carbon (DOC) | SM5310C | 1mg/l | 125ml Amber Glass | None | 28days | | Inorganics |

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| Fe - Iron by ICP | EPA200.7 | 100ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Fe - Iron by ICPMS | EPA200.8 | 10ug/l | 500ml Poly | None | 180days | | Inorganics |
| Fluoride | EPA300.0 | 100ug/l | 500ml Poly | None | 28days | | Wet Chem |
| Fluorine | EPA340.2 | Sub | 500ml Poly | None | 28days | | NA |
| Gross Alpha (Radiological) | EPA900.0 | Sub | 1 Liter Poly | None | 180days | * | NA |
| Gross Beta (Radiological) | EPA900.0 | Sub | 1 Liter Poly | None | 180days | * | NA |
| Hardness - Total | SM2340B | Click Here | 500ml Poly | HNO3 | 180days | | Inorganics |
| Hg - Mercury | EPA245.1 | 1ug/l | 500ml Poly | HNO3 | 28days | | Inorganics |
| Hg - Mercury (Low Level) | EPA245.1 | 0.02ug/l | 500ml Poly | HNO3 | 28days | | Inorganics |
| Hg - Mercury (Trace Level) | EPA1631 | 0.5ng/l | 16oz Clear Glass (Double Bagged) | None | 28days | | Inorganics |
| Hg - Methyl Mercury | EPA1630E | 0.05ng/l | 16oz Amber Glass (Double Bagged) | HCL | 180days | | Inorganics |
| Ignitability - Flashpoint | EPA1010 | 40.0° F | 250ml Amber Glass | None | 180days | | Inorganics |
| K - Potassium by ICP | EPA200.7 | 0.1mg/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Mg - Magnesium by ICP | EPA200.7 | 0.1mg/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Mn - Manganese by ICP | EPA200.7 | 20ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Mn - Manganese by ICPMS | EPA200.8 | 5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Mo - Molybdenum by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Mo - Molybdenum by ICPMS | EPA200.8 | 0.25ug/l | 500ml Poly | None | 180days | | Inorganics |
| Na - Sodium by ICP | EPA200.7 | 0.1mg/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Ni - Nickel by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Ni - Nickel by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Nitrate | EPA300.0/SM4500 | 1mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Nitrate as N | EPA300.0/SM4500 | 0.2mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Nitrite | EPA300.0/SM4500 | 1mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Nitrite as N | EPA300.0/SM4500 | 0.2mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Nitrate + Nitrite as N | SM4500 | Click Here | 500ml Poly | H2SO4 | 28days | | Wet Chem |
| Orthophosphate | EPA300.0 | 0.3mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Pb - Lead by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Pb - Lead by ICPMS | EPA200.8 | 0.25ug/l | 500ml Poly | None | 180days | | Inorganics |
| Perchlorate | EPA314.0 | 2ug/l | 500ml Poly | None | 28days | | Wet Chem |
| Phosphate | EPA300.0 | 0.3mg/l | 500ml Poly | None | 48hrs | | Wet Chem |
| Radium 226 (Radiological) | EPA903 | Sub | 2 x 1 Liter Poly | HNO3 | 180days | * | NA |
| Radium 228 (Radiological) | EPA904 | Sub | 2 x 1 Liter Poly | HNO3 | 180days | * | NA |
| Sb - Antimony by ICP | EPA200.7 | 20ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Sb - Antimony by ICPMS | EPA200.8 | 0.5ug/l | 500ml Poly | None | 180days | | Inorganics |
| Se - Selenium by ICP | EPA200.7 | 20ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Se - Selenium by ICPMS | EPA200.8 | 1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Si - Silica | SM4500SiO2 D | 1mg/l | 500ml Poly | None | 28days | | Wet Chem |
| Si - Silica by ICP | EPA200.7 | Sub | 500ml Poly | HNO3 | 180days | * | NA |
| Sn - Tin by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Sodium Absorption Ratio (SAR) | Various | Click Here | 1 Liter Poly | None | 14days | | Inorganics |
| Strontium 90 | EPA905 | Sub | 1 Liter Poly | HNO3 | 180days | | NA |
| Sulfate | EPA300.0 | 0.5mg/l | 500ml Poly | None | 28days | | Wet Chem |

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| Sulfide | SM4500 | Sub | 500ml Amber Glass | ZnAcetate/NaOH | 7days | | Inorganics |
| Tannins & Lignins | SM5550B | 0.5mg/l | 500ml Poly | None | 180days | | Inorganics |
| TI - Thallium by ICP | EPA200.7 | 200ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| TI - Thallium by ICPMS | EPA200.8 | 0.1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Total Organic Carbon (TOC) | SM5310C | 1mg/l | 2 x 40ml Amber VOA | H3PO4 | 28days | | Inorganics |
| Total Inorganic Carbon (TIC) | SM5310C | 5mg/l | 2 x 40ml Amber VOA | None | 28days | | Inorganics |
| Tritium (Radiological) | EPA906 | Sub | 125ml Amber Glass | None | 180days | * | NA |
| Uranium by ICPMS | EPA200.8 | 1.0pCi/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Uranium | EPA908 | Sub | 500ml Poly | HNO3 | 180days | * | NA |
| V - Vanadium by ICP | EPA200.7 | 10ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| V - Vanadium by ICPMS | EPA200.8 | 1ug/l | 500ml Poly | None | 180days | | Inorganics |
| Zn - Zinc by ICP | EPA200.7 | 50ug/l | 500ml Poly | HNO3 | 180days | | Inorganics |
| Zn - Zinc by ICPMS | EPA200.8 | 5ug/l | 500ml Poly | None | 180days | | Inorganics |
| 608 Organochlorinated Pesticides/PCBs | EPA608 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8081/8082 Organo Pesticides /PCBs | EPA8081/8082 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 610 Polynuclear Aromatics | EPA610 | Sub | 2 x 1 Liter Amber Glass | None | 7days | * | NA |
| 614 Organophosphorus Pesticides | EPA614 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8141 Organophosphorus Pesticides | EPA8141 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8151 Chlorinated Herbicides | EPA8151 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 624 Volatile Organics | EPA624 | Click Here | 4 x 40ml VOA Vial | HCL after NaS2O3 dechlorination | 14days | | Organics |
| 624 Priority Pollutant Volatile Organics | EPA624 | Click Here | 4 x 40ml VOA Vial | Na2S2O3 | 72hrs | | Organics |
| 8260 Volatile Organics | EPA8260 | Click Here | 4 x 40ml VOA Vial | HCL after NaS2O3 dechlorination | 14days | | Organics |
| 625 Semivolatile Organics | EPA625 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8270 Semivolatile Organics | EPA8270 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 625 Polynuclear Aromatics | EPA625SIM | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8270 Polynuclear Aromatics | EPA8270 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 625 Phenols - Speciated | EPA625 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 8270 Phenols - Speciated | EPA8270 | Click Here | 2 x 1 Liter Amber Glass | None | 7days | | Organics |
| 531.1 Carbamate Pesticides | EPA531.1 | Click Here | 2 x 125ml Amber Glass | Monochloroacetic acid | 28days | | Organics |
| Pharmaceutical Pollutants | EPA1666(Purge/Trap) | Click Here | 6 x 40ml VOA | 3 w/HCL + 3 w/None after ascorbic acid dechlorination | 14days | | Organics |
| Pharmaceutical Pollutants | EPA1666(Dir. Inject) | Sub | 4 x 40ml VOA | Na2S2O3 | 14days | * | NA |
| 547 Glyphosate | EPA547 | 10ug/l | 2 x 125ml Amber Glass | None | 14days | | Organics |
| 549.2 Diquat | EPA549.2 | 2ug/l | 1 Liter Brown Poly | None | 7days | | Organics |
| Dioxin / Furans | EPA1613 | Sub | 2 x 1 Liter Amber Glass | None | 365days | * | Sub |
| Oil & Grease | EPA1664 | 5mg/l | 2 x 1 Liter Amber Glass | H2SO4 | 28days | | Organics |
| Oil & Grease - Silica Gel Cleanup | EPA1664 | 5mg/l | 2 x 1 Liter Amber Glass | H2SO4 | 28days | | Organics |
| Phenol - Total | EPA420.1 | 1ug/l | 2 x 1 Liter Amber Glass | H2SO4 | 28days | | Organics |

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| TPH - Diesel & Motor Oil | EPA8015 | Click Here | 2 x 1 Liter Amber Glass | None | 14days | | Organics |
| TPH - Gas | EPA8260GRO | 50ug/l | 4 x 40ml VOA Vial | HCL | 14days | | Organics |
| TPH - Gasoline, BTEX, MTBE, 5 Oxys | EPA8260B | Click Here | 4 x 40ml VOA Vial | HCL | 14days | | Organics |
| Trihalomethanes (TTHM) | EPA624 | 0.5ug/l | 3 x 40ml VOA | Na2S2O3 | 14days | | Organics |
| Tributyltin | Battelle | Sub | 2 x 1 Liter Amber Glass | None | 35days | * | Sub |