

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** **Bureau Veritas**

Location Name or Operating as (if applicable): Bedford Laboratory

Contact Name: Elizabeth McKinnon

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Website: [www.bvna.com](http://www.bvna.com)

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<b>SCC File Number:</b>	15231
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Biological Chemical/Physical
<b>Program Specialty Area:</b>	Environmental Testing (ET)
<b>Initial Accreditation:</b>	1995-03-06
<b>Most Recent Accreditation:</b>	2022-08-26
<b>Accreditation Valid to:</b>	2023-03-06

#### ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

##### Environmental (Inorganic):

ATL SOP-00208	Total Nitrogen and Total Kjeldahl Nitrogen (TKN) in Water by Calculation, Combustion-Chemiluminescence
ATL SOP-00205	Acidity In Water
ATL SOP -00142	Alkalinity in Water by PC Titrate

ATL-SOP-00002	Particle Size Distribution by Hydrometer Gravel (>2000 µm) Sand (50-2000 µm) Silt (2-50 µm) Clay (<2 µm)
ATL-SOP-00003	pH Analysis Soil/Sediment/Solids/Water (pH Meter) pH
ATL-SOP-00004	Conductivity Analysis Soil/Sediment/Solids/Water (Conductivity Meter) Electrolytic Conductivity (25 °C)
ATL-SOP-00007	Suspended Solid, Total (Gravimetric) Water (GRAVIMETRIC) Total Suspended Solids
ATL SOP-00008	Suspended Solid, Volatile (Gravimetric) Water (GRAVIMETRIC) Volatile Suspended Solids
ATL SOP-00009	Dissolved Solids, Total (TDS) Gravimetric Water (GRAVIMETRIC) Total Dissolved Solids
ATL SOP-00011	Turbidity (Nephelometric) Water (NEPHELOMETRY) Turbidity
ATL SOP-00012	Particle Size Distribution (Sieve/Pipette) Soil (SIEVE / PIPETTE / WENTWORTH CLASSIFICATION) < +1 PHI,                                  < +2 PHI                                  < +3 PHI < +4 PHI    < +5 PHI                                  < +6 PHI < +7 PHI    < +8 PHI                                  < +9 PHI < 0 PHI    < -1 PHI                                  < -2 PHI < -3 PHI    < -4 PHI Clay Gravel Sand Silt
ATL SOP-00013	Alkalinity (Total) by Discrete Analysis Water (AUTOMATED COLOURIMETRY) Alkalinity (pH 4.5)
ATL SOP-00014	Chloride by Discrete Analysis Water (AUTOMATED COLOURIMETRY) Chloride
ATL SOP-00015	Ammonia and Ammonium Nitrogen, Discrete Analysis Water (AUTOMATED COLOURIMETRY) Ammonia plus Ammonium

ATL SOP-00016	Nitrogen, Nitrate + Nitrite (NO <sub>x</sub> ) Discrete Analysis Enzyme Water (AUTOMATED COLOURIMETRY) Nitrate plus Nitrite
ATL SOP-00017	Nitrogen, Nitrite (NO <sub>2</sub> ) by Discrete Analysis Water (AUTOMATED COLOURIMETRIC) Nitrite
ATL SOP-00018	Nitrogen, Nitrate (NO <sub>3</sub> , Calculated) Water (AUTOMATED COLOURIMETRY) Nitrate (Calculated)
ATL SOP-00020	Colour, Discrete Analysis Water (AUTOMATED COLOURIMETRY) Colour (460 nm)
ATL SOP-00021	Ortho Phosphorus, Discrete Analysis Water (AUTOMATED COLOURIMETRY) Orthophosphate (SRP)
ATL SOP-00022	Reactive Silica by Discrete Analysis Water (AUTOMATED COLOURIMETRY) Reactive Silica
ATL SOP-00023	Sulphate (Turbidimetric) by Discrete Analysis Water (AUTOMATED TURBIDIMETRIC) Sulfate
ATL SOP-00026	Automated Mercury Analysis CVAA Soil/Sediment/Solids Water / SPLP, TCLP, CGSB Leachate Tissue DIGESTION/COLD VAPOUR AA
ATL SOP-00027	Mercury in Coal Analysis by CVAA Coal (DIGESTION/COLD VAPOUR AA) Mercury
ATL SOP-00030	Metals in Biota Tissue/Biota/Terrestrial Biota (DIGESTION/ICP-MS) Aluminum                      Antimony                      Arsenic Barium                          Beryllium                      Bismuth Boron                            Cadmium                        Calcium Chromium                       Cobalt                            Copper Iron                                Lead                                Lithium Magnesium                       Manganese                      Molybdenum Nickel                            Phosphorus                      Potassium Rubidium                        Selenium                         Silver Sodium                            Strontium                        Sulphur Thallium                         Tin                                  Titanium Uranium                          Vanadium                        Zinc

ATL SOP-00031	<p>Analysis of Trace Metals in Air Filters and Swabs Air Filters/Swabs (DIGESTION / ICP-MS)</p> <table border="0"> <tr><td>Aluminum</td><td>Antimony</td><td>Arsenic</td></tr> <tr><td>Barium</td><td>Beryllium</td><td>Bismuth</td></tr> <tr><td>Cadmium</td><td>Calcium</td><td>Chromium</td></tr> <tr><td>Cobalt</td><td>Copper</td><td>Iron</td></tr> <tr><td>Lead</td><td>Lithium</td><td>Magnesium</td></tr> <tr><td>Manganese</td><td>Molybdenum</td><td>Nickel</td></tr> <tr><td>Phosphorus</td><td>Potassium</td><td>Rubidium</td></tr> <tr><td>Selenium</td><td>Silver</td><td>Sodium</td></tr> <tr><td>Strontium</td><td>Sulphur</td><td>Thallium</td></tr> <tr><td>Tin</td><td>Titanium</td><td>Uranium</td></tr> <tr><td>Vanadium</td><td>Zinc</td><td></td></tr> </table>	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Sulphur	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc				
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ATL SOP-00032	<p>Boron - Hot Aqueous Extractable Soil/Sediment/Solids (DIGESTION/ICP-MS) Hot Water Soluble Boron</p>																																				
ATL SOP-00034	<p>MOEE/CGSB Leachate</p> <table border="0"> <tr><td>Aluminum</td><td>Antimony</td><td>Arsenic</td></tr> <tr><td>Barium</td><td>Beryllium</td><td>Bismuth</td></tr> <tr><td>Boron</td><td>Cadmium</td><td>Calcium</td></tr> <tr><td>Chromium</td><td>Cobalt</td><td>Copper</td></tr> <tr><td>Iron</td><td>Lead</td><td>Lithium</td></tr> <tr><td>Magnesium</td><td>Manganese</td><td>Molybdenum</td></tr> <tr><td>Nickel</td><td>Phosphorus</td><td>Potassium</td></tr> <tr><td>Rubidium</td><td>Selenium</td><td>Silver</td></tr> <tr><td>Sodium</td><td>Strontium</td><td>Sulphur</td></tr> <tr><td>Thallium</td><td>Tin</td><td>Titanium</td></tr> <tr><td>Uranium</td><td>Vanadium</td><td>Zinc</td></tr> </table>	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Sulphur	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc			
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ATL SOP-00041	<p>Carbonaceous Biochemical Oxygen Demand (CBOD) and BOD  Water (INCUBATION / D.O. METER)</p> <p>BOD (5 day)  CBOD (5 day)  Dissolved BOD (5 day)  Dissolved CBOD (5 day)</p>																																				
ATL SOP-00042	<p>Chemical Oxygen Demand (COD)  Water (DIGESTION/COLOURIMETRY)</p> <p>COD  Dissolved COD</p>																																				
ATL SOP-00043	<p>Fluoride (Ion Specific Electrode)  Water SELECTIVE ION ELECTRODE</p> <p>Fluoride</p>																																				
ATL SOP-00044	<p>Carbon Induction Furnace  Soil/Sediment/Solids (COMBUSTION Carbon - Induction Furnace IR Detection)</p> <p>Inorganic Carbon  Organic Carbon  Total Carbon</p>																																				

ATL SOP-00052	<p>Total Digestion of Sediments, Soil, Sludge and Solids Soil/Sediment/Solids (DIGESTION/ICP-MS)</p> <table border="0"> <tr> <td>Aluminum</td> <td>Antimony</td> <td>Arsenic</td> </tr> <tr> <td>Barium</td> <td>Beryllium</td> <td>Bismuth</td> </tr> <tr> <td>Cadmium</td> <td>Calcium</td> <td>Chromium</td> </tr> <tr> <td>Cobalt</td> <td>Copper</td> <td>Iron</td> </tr> <tr> <td>Lead</td> <td>Lithium</td> <td>Magnesium</td> </tr> <tr> <td>Manganese</td> <td>Molybdenum</td> <td>Nickel</td> </tr> <tr> <td>Phosphorus</td> <td>Potassium</td> <td>Rubidium</td> </tr> <tr> <td>Selenium</td> <td>Silver</td> <td>Sodium</td> </tr> <tr> <td>Strontium</td> <td>Tellurium</td> <td>Thallium</td> </tr> <tr> <td>Tin</td> <td>Uranium</td> <td>Vanadium</td> </tr> <tr> <td>Zinc</td> <td></td> <td></td> </tr> </table>	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Uranium	Vanadium	Zinc					
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ATL SOP-00053	<p>Coarse / Fine Classification of Soils (Gravimetric) Soil/Sediment/Solids (WET SIEVE / GRAVIMETRIC) &gt;75 µm Fraction Coarse Fraction Fine Fraction</p>																																				
ATL SOP-00057	<p>Total Phosphorus, Discrete Analysis Water (DIGESTION / AUTOMATED COLOURIMETRY) Total Phosphorus</p>																																				
ATL SOP-00058	<p>CRC-ICP-MS, Full Metals Scan ICPMS Air Filters/Swab Paint Soil/Sediment/Solid Solid Waste Tissue/Biota/Terrestrial Biota Water (Dissolved / Total) Leachate Extractions</p>																																				
ATL SOP-00060	<p>Total Recoverable Metals in Water by Nitric/Hydrochloric Acid Digestion Dissolved Water / Total Water (Digestion) - ICP/MS</p> <table border="0"> <tr> <td>Aluminum</td> <td>Antimony</td> <td>Arsenic</td> </tr> <tr> <td>Barium</td> <td>Beryllium</td> <td>Bismuth</td> </tr> <tr> <td>Boron</td> <td>Cadmium</td> <td>Calcium</td> </tr> <tr> <td>Chromium</td> <td>Cobalt</td> <td>Copper</td> </tr> <tr> <td>Iron</td> <td>Lead</td> <td>Lithium</td> </tr> <tr> <td>Magnesium</td> <td>Manganese</td> <td>Molybdenum</td> </tr> <tr> <td>Nickel</td> <td>Phosphorus</td> <td>Potassium</td> </tr> <tr> <td>Rubidium</td> <td>Selenium</td> <td>Silicon</td> </tr> <tr> <td>Silver</td> <td>Sodium</td> <td>Strontium</td> </tr> <tr> <td>Sulphur</td> <td>Tellurium</td> <td>Thallium</td> </tr> <tr> <td>Tin</td> <td>Titanium</td> <td>Uranium</td> </tr> <tr> <td>Vanadium</td> <td>Zinc</td> <td>Zirconium</td> </tr> </table>	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silicon	Silver	Sodium	Strontium	Sulphur	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium
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ATL SOP-00061	<p>Unified Acid Digestion of Sediments, Soil and Sludge Solid Paint (Digestion/ICP-MS)</p> <table border="0"> <tr> <td>Aluminum</td> <td>Antimony</td> <td>Arsenic</td> </tr> <tr> <td>Barium</td> <td>Beryllium</td> <td>Bismuth</td> </tr> <tr> <td>Boron</td> <td>Cadmium</td> <td>Calcium</td> </tr> <tr> <td>Chromium</td> <td>Cobalt</td> <td>Copper</td> </tr> <tr> <td>Iron</td> <td>Lead</td> <td>Lithium</td> </tr> <tr> <td>Magnesium</td> <td>Manganese</td> <td>Mercury</td> </tr> <tr> <td>Molybdenum</td> <td>Nickel</td> <td>Phosphorus</td> </tr> <tr> <td>Potassium</td> <td>Rubidium</td> <td>Selenium</td> </tr> <tr> <td>Silver</td> <td>Sodium</td> <td>Strontium</td> </tr> <tr> <td>Sulphur</td> <td>Tellurium</td> <td>Thallium</td> </tr> <tr> <td>Tin</td> <td>Titanium</td> <td>Uranium</td> </tr> <tr> <td>Vanadium</td> <td>Zinc</td> <td></td> </tr> </table>	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Sulphur	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	
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ATL SOP-00143	<p>Carbon in Coal-Resistance Furnace Coal/Ash/Coke (ASTM D5373-16: Standard Test Methods for Determination of Carbon, Hydrogen and Nitrogen in Analysis Samples of Coal and Carbon in Analysis Samples of Coal and Coke, 2016) Total Carbon</p>																																				
ATL SOP-00203	<p>Organic Carbon Analysis, Combustion-IR Water Total Organic Carbon Dissolved Organic Carbon – Lab Filtered Dissolved Organic Carbon – Field Filtered</p>																																				

**Environmental (Organic):**

ATL SOP-00129	<p>Haloacetic Acids in Drinking Water by GC-ECD Water (GC/ECD Extraction/Derivatization)</p> <table border="0"> <tr> <td>Bromochloroacetic Acid (BCAA)</td> <td>Bromodichloroacetic Acid (BDCAA)</td> </tr> <tr> <td>Chlorodobromoaceticd Acid (CDBAA)</td> <td>Dalapon</td> </tr> <tr> <td>Dibromoacetic Acid (DBAA)</td> <td>Dichloroacetic Acid (DCAA)</td> </tr> <tr> <td>Monobromoacetic Acid (MBAA)</td> <td>Monochloroacetic Acid (MCAA)</td> </tr> <tr> <td>Trichloroacetic Acid (TCAA)</td> <td>Tribromoacetic (TBAA)</td> </tr> <tr> <td>Total HAAs</td> <td></td> </tr> </table>	Bromochloroacetic Acid (BCAA)	Bromodichloroacetic Acid (BDCAA)	Chlorodobromoaceticd Acid (CDBAA)	Dalapon	Dibromoacetic Acid (DBAA)	Dichloroacetic Acid (DCAA)	Monobromoacetic Acid (MBAA)	Monochloroacetic Acid (MCAA)	Trichloroacetic Acid (TCAA)	Tribromoacetic (TBAA)	Total HAAs	
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ATL SOP-00054	Zero Headspace Extractor Procedure (ZHE) Soil/Solids (Extraction / GCMS-Headspace) 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Bromodichloromethane Bromomethane Carbontetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichloromethane m,p-Xylene(s) o-Xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride	1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2-Dibromoethane 1,2-Dichloroethane 1,3-Dichlorobenzene Benzene Bromoform C6-C10 Hydrocarbons Chlorobenzene Chloroform cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene MTBE Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane
ATL SOP-00102	Polynuclear Aromatic Hydrocarbons in Soil and Sediment by GC-MS Soil/Sediment (GC/MS- EXTRACTION) 1-chloronaphthalene 2-chloronaphthalene Acenaphthene Anthracene Benzo (a) pyrene Benzo (e) pyrene Benzo (j) fluoranthene Chrysene Fluoranthene Indeno (1,2,3 - cd) pyrene Perylene Pyrene	1-methylnaphthalene 2-methylnaphthalene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Dibenz (a,h) anthracene Fluorene Naphthalene Phenanthrene



ATL SOP-00103	<p>Polynuclear Aromatic Hydrocarbons by GC-MS Water, SPLP / TCLP Leachate (GC/MS - EXTRACTION)</p> <table border="0"> <tr> <td>1-chloronaphthalene</td> <td>1-methylnaphthalene</td> </tr> <tr> <td>2-chloronaphthalene</td> <td>2-methylnaphthalene</td> </tr> <tr> <td>Acenaphthene</td> <td>Acenaphthylene</td> </tr> <tr> <td>Acridine</td> <td>Anthracene</td> </tr> <tr> <td>Benzo (a) anthracene</td> <td>Benzo (a) pyrene</td> </tr> <tr> <td>Benzo (b) fluoranthene</td> <td>Benzo (e) pyrene</td> </tr> <tr> <td>Benzo (g,h,i) perylene</td> <td>Benzo (j) fluoranthene</td> </tr> <tr> <td>Benzo (k) fluoranthene</td> <td>Chrysene</td> </tr> <tr> <td>Dibenz (a,h) anthracene</td> <td>Fluoranthene</td> </tr> <tr> <td>Fluorene</td> <td>Indeno (1,2,3 - cd) pyrene</td> </tr> <tr> <td>Naphthalene</td> <td>Perylene</td> </tr> <tr> <td>Phenanthrene</td> <td>Pyrene</td> </tr> <tr> <td>Quinoline</td> <td></td> </tr> </table>	1-chloronaphthalene	1-methylnaphthalene	2-chloronaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Acridine	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (e) pyrene	Benzo (g,h,i) perylene	Benzo (j) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3 - cd) pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene	Quinoline	
1-chloronaphthalene	1-methylnaphthalene																										
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Fluorene	Indeno (1,2,3 - cd) pyrene																										
Naphthalene	Perylene																										
Phenanthrene	Pyrene																										
Quinoline																											
ATL SOP-00104	<p>Polynuclear Aromatic Hydrocarbons in Fish and Shellfish by GC-MS Tissue (GC/MS- EXTRACTION)</p> <table border="0"> <tr> <td>1-chloronaphthalene</td> <td>1-methylnaphthalene</td> </tr> <tr> <td>2-chloronaphthalene</td> <td>2-methylnaphthalene</td> </tr> <tr> <td>Acenaphthene</td> <td>Acenaphthylene</td> </tr> <tr> <td>Anthracene</td> <td>Benzo (a) anthracene</td> </tr> <tr> <td>Benzo (a) pyrene</td> <td>Benzo (b) fluoranthene</td> </tr> <tr> <td>Benzo (e) pyrene</td> <td>Benzo (g,h,i) perylene</td> </tr> <tr> <td>Benzo (j) fluoranthene</td> <td>Benzo (k) fluoranthene</td> </tr> <tr> <td>Chrysene</td> <td>Dibenz (a,h) anthracene</td> </tr> <tr> <td>Fluoranthene</td> <td>Fluorene</td> </tr> <tr> <td>Indeno (1,2,3 - cd) pyrene</td> <td>Naphthalene</td> </tr> <tr> <td>Perylene</td> <td>Phenanthrene</td> </tr> <tr> <td>Pyrene</td> <td></td> </tr> </table>	1-chloronaphthalene	1-methylnaphthalene	2-chloronaphthalene	2-methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (e) pyrene	Benzo (g,h,i) perylene	Benzo (j) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3 - cd) pyrene	Naphthalene	Perylene	Phenanthrene	Pyrene			
1-chloronaphthalene	1-methylnaphthalene																										
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Pyrene																											
ATL SOP-00105	<p>Polychlorinated Biphenyls in Oil by GC-ECD Oil (GC/ECD-EXTRACTION)</p> <table border="0"> <tr> <td>Aroclor 1016</td> <td>Aroclor 1221</td> </tr> <tr> <td>Aroclor 1232</td> <td>Aroclor 1242</td> </tr> <tr> <td>Aroclor 1248</td> <td>Aroclor 1254</td> </tr> <tr> <td>Aroclor 1260</td> <td>Aroclor 1262</td> </tr> <tr> <td>Aroclor 1268</td> <td>Total PCB</td> </tr> </table>	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB																
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Aroclor 1232	Aroclor 1242																										
Aroclor 1248	Aroclor 1254																										
Aroclor 1260	Aroclor 1262																										
Aroclor 1268	Total PCB																										
ATL SOP-00106	<p>Polychlorinated Biphenyls in Soil and Sediment Soil/Sediment (GC/ECD - EXTRACTION)</p> <table border="0"> <tr> <td>Aroclor 1016</td> <td>Aroclor 1221</td> </tr> <tr> <td>Aroclor 1232</td> <td>Aroclor 1242</td> </tr> <tr> <td>Aroclor 1248</td> <td>Aroclor 1254</td> </tr> <tr> <td>Aroclor 1260</td> <td>Aroclor 1262</td> </tr> <tr> <td>Aroclor 1268</td> <td>Total PCB</td> </tr> </table>	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB																
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Aroclor 1260	Aroclor 1262																										
Aroclor 1268	Total PCB																										

ATL SOP-00107	<p>Polychlorinated Biphenyls in 250 mL Water By GC-ECD Water, SPLP / TCLP Leachate (GC/ECD - EXTRACTION)</p> <p>Aroclor 1016 Aroclor 1232 Aroclor 1248 Aroclor 1260 Aroclor 1268</p> <p>Aroclor 1221 Aroclor 1242 Aroclor 1254 Aroclor 1262 Total PCB</p>
ATL SOP-00110	<p>Polychlorinated Biphenyls in Fish Tissue and Biota By GC-ECD Fish Tissue / Biota (GC/ECD- EXTRACTION)</p> <p>Aroclor 1016 Aroclor 1232 Aroclor 1248 Aroclor 1260 Aroclor 1268</p> <p>Aroclor 1221 Aroclor 1242 Aroclor 1254 Aroclor 1262 Total PCB</p>
ATL SOP-00111	<p>Total Extractable Hydrocarbons in Soil Soil (GC/FID - EXTRACTION)</p> <p>&gt;C10 - C16 &gt;C16 - C21 &gt;C21 - C32</p>
ATL SOP-00112	<p>Total Extractable Hydrocarbons (&gt;C10 to C32) in Fish and Shellfish Fish / Tissue (GC/FID)</p> <p>&gt;C10 - C16 &gt;C16 - C21 &gt;C21 - C32</p>
ATL SOP-00113	<p>Total Extractable Hydrocarbons (&gt;C10 to C32) in Water Water, Low Level Water, SPLP / TCLP Leachate (GC/FID – EXTRACTION)</p> <p>&gt;C10 - C16 &gt;C16 - C21 &gt;C21 - C32</p>
ATL SOP-00116	<p>Aliphatic / Aromatic Fractionation for Petroleum Hydrocarbons (&gt;C10-C32) Water / Soil / Sediment / Solids (GC/FID)</p> <p>&gt;C10-C12 Aliphatic &gt;C12-C16 Aliphatic &gt;C16-C21 Aliphatic &gt;C21-C32 Aliphatic</p> <p>&gt;C10-C12 Aromatic &gt;C12-C16 Aromatic &gt;C16-C21 Aromatic &gt;C21-C32 Aromatic</p>
ATL SOP-00119	<p>Volatile Petroleum Hydrocarbons in Soil by Headspace/GCMS/FID Soil (GC/FID/MS - HEADSPACE)</p> <p>Benzene Ethylbenzene MTBE Toluene</p> <p>C6-C10 Hydrocarbons Less (BTEX) m/p-xylene o-xylene Total Xylene</p>

<p>ATL SOP-00120</p>	<p>Aliphatic / Aromatic Fractionation of C6 to C10 Petro. Hydrocarbons  Water / Soil / Sediment / Solids (HS-GCMS)  &gt;C8-C10 Aliphatic  &gt;C8-C10 Aromatic (-EX)  Benzene  C6-C8 Aliphatic  Ethylbenzene  m,p-xylene  o-xylene  Toluene  Total Xylenes</p>
<p>ATL SOP-00126</p>	<p>Aliphatic, Aromatic Fractionation and Regular (&gt;C6-C16) Pet. Hydrocarbons -Charcoal Tubes  Air (GC/FID EXTRACTION)  &gt;C10-C12 fractions (Aromatic / Aliphatic)  &gt;C12-C16 fractions (Aromatic / Aliphatic)  &gt;C6-C8 fraction (Aliphatic)  &gt;C8-C10 fractions (Aromatic (-EX)/Aliphatic)  Benzene  Ethylbenzene  m/p-xylene  o-xylene  Toluene</p>
<p>ATL SOP-00130</p>	<p>Volatile Petroleum Hydrocarbons in water by Headspace/GCMS/FID  MTBE  Benzene  Toluene  Ethylbenzene  m,p-Xylenes  o-Xylene  Total Xylenes  Gasoline (C6-C10)  Gasoline (C6-C10) less BTEX</p>

ATL SOP-00133	Volatile Organic Compounds by Headspace GC-MS/SIM Soil/Water (GC/MS - HEADSPACE) 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,4-Dichlorobenzene Bromodichloromethane Bromomethane Chlorobenzene Chloroform cis-1,2-Dichloroethene Dibromochloromethane Ethylbenzene MTBE Styrene Toluene trans-1,3-Dichloropropene Trichlorofluoromethane	1,1,2,2-Tetrachloroethane 1,1-Dichloroethane 1,2-Dibromoethane 1,2-Dichloroethane 1,3-Dichlorobenzene Benzene Bromoform Carbontetrachloride Chloroethane Chloromethane cis-1,3-Dichloropropene Dichloromethane m,p-Xylene(s) o-Xylene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride
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**Environmental (Microbiology):**

**Water**

ATL SOP-00096	Enumeration of Total Coliform and <i>E. coli</i> in Water Using the Membrane Filtration Method <i>Escherichia coli (E. coli)</i> Total Coliforms
ATL SOP-00097	Enumeration of Total Coliform and <i>E. coli</i> in Environmental Samples Using the Membrane Filtration Method <i>Escherichia coli (E. coli)</i> Total Coliforms
ATL SOP-00062	A1-Method for Fecal Coliform by MPN Fecal Coliforms
ATL SOP-00066	Coliforms Bacteria in Water (Colilert Method)-Enzyme Substrate Test <i>Escherichia coli (E. coli)</i> (Presence/Absence) Total Coliforms (Presence/Absence)
ATL SOP-00067	Determination of Coliforms, Fecal and <i>E. coli</i> by the Multiple Tube Method Coliforms <i>E coli</i> Fecal Coliforms
ATL SOP-00071	Enumeration of Fecal Coliform Using the Membrane Filtration Method Fecal Coliforms

ATL SOP-00072	Enumeration of <i>Staphylococcus aureus</i> Using the Membrane Filtration Method <i>Staphylococcus aureus</i>
ATL SOP-00073	Isolation and Identification of <i>Salmonella</i> in Environmental Samples <i>Salmonella</i> (Presence/Absence)
ATL SOP-00077	Enumeration of <i>Pseudomonas aeruginosa</i> Using the Membrane Filtration Method <i>Pseudomonas aeruginosa</i>
ATL SOP-00079	Heterotrophic Plate Count using Membrane Filtration Method Heterotrophic Plate Count
ATL SOP-00134	Enumeration of Fecal Enterococcus Using Membrane Filtration Method Fecal Enterococcus
ATL SOP-00206	Identification and Enumeration of <i>Legionella pneumophila</i> and spp.

Number of Scope Listings: 71

**Notes:**

**ATL SOP:** In-house test method

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Elias Rafoul  
Vice-President, Accreditation Services  
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