

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Bureau Veritas Canada (2019) Inc.

Location Name or Operating as (if applicable): Bureau Veritas (Bedford)

Contact Name: Elizabeth McKinnon

Address: 105-200 Bluewater Road
Bedford, NS
B4B 1G9

Telephone: + 1 902 420-0203 ext. 263

Fax: + 1 902 420-8612

Website: www.bvna.com

Email: Elizabeth.McKinnon-Diremigio@bureauveritas.com

SCC File Number:	15231
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Program Specialty Area:	Environmental Testing (ET)
Initial Accreditation:	1995-03-06
Most Recent Accreditation:	2023-12-13
Accreditation Valid to:	2027-03-06

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental (Inorganic):

ATL SOP-00208	Total Nitrogen and Total Kjeldahl Nitrogen (TKN) in Water by Calculation, Combustion-Chemiluminescence
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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) <table border="0" style="width: 100%;"> <tr> <td>< +1 PHI,</td> <td>< +2 PHI</td> <td>< +3 PHI</td> </tr> <tr> <td>< +4 PHI</td> <td>< +5 PHI</td> <td>< +6 PHI</td> </tr> <tr> <td>< +7 PHI</td> <td>< +8 PHI</td> <td>< +9 PHI</td> </tr> <tr> <td>< 0 PHI</td> <td>< -1 PHI</td> <td>< -2 PHI</td> </tr> <tr> <td>< -3 PHI</td> <td>< -4 PHI</td> <td></td> </tr> </table> Clay Gravel Sand Silt	< +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	
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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 _x) Discrete Analysis Enzyme Water (AUTOMATED COLOURIMETRY) Nitrate plus Nitrite
ATL SOP-00017	Nitrogen, Nitrite (NO ₂) by Discrete Analysis Water (AUTOMATED COLOURIMETRIC) Nitrite
ATL SOP-00018	Nitrogen, Nitrate (NO ₃ , 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)</p> <p>>75 µm Fraction Coarse Fraction Fine Fraction</p>																																				
ATL SOP-00057	<p>Total Phosphorus, Discrete Analysis Water (DIGESTION / AUTOMATED COLOURIMETRY)</p> <p>Total Phosphorus</p>																																				
ATL SOP-00058	<p>CRC-ICP-MS, Full Metals Scan ICPMS</p> <p>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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Trichloroacetic Acid (TCAA)	Tribromoacetic (TBAA)												
Total HAAs													

<p>ATL SOP-00054</p>	<p>Zero Headspace Extractor Procedure (ZHE) Soil/Solids (Extraction / GCMS-Headspace)</p> <table border="0"> <tr> <td>1,1,1-Trichloroethane</td> <td>1,1,2,2-Tetrachloroethane</td> </tr> <tr> <td>1,1,2-Trichloroethane</td> <td>1,1-Dichloroethane</td> </tr> <tr> <td>1,1-Dichloroethene</td> <td>1,2-Dibromoethane</td> </tr> <tr> <td>1,2-Dichlorobenzene</td> <td>1,2-Dichloroethane</td> </tr> <tr> <td>1,2-Dichloropropane</td> <td>1,3-Dichlorobenzene</td> </tr> <tr> <td>1,4-Dichlorobenzene</td> <td>Benzene</td> </tr> <tr> <td>Bromodichloromethane</td> <td>Bromoform</td> </tr> <tr> <td>Bromomethane</td> <td>C6-C10 Hydrocarbons</td> </tr> <tr> <td>Carbontetrachloride</td> <td>Chlorobenzene</td> </tr> <tr> <td>Chloroethane</td> <td>Chloroform</td> </tr> <tr> <td>Chloromethane</td> <td>cis-1,2-Dichloroethene</td> </tr> <tr> <td>cis-1,3-Dichloropropene</td> <td>Dibromochloromethane</td> </tr> <tr> <td>Dichloromethane</td> <td>Ethylbenzene</td> </tr> <tr> <td>m,p-Xylene(s)</td> <td>MTBE</td> </tr> <tr> <td>o-Xylene</td> <td>Styrene</td> </tr> <tr> <td>Tetrachloroethene</td> <td>Toluene</td> </tr> <tr> <td>trans-1,2-Dichloroethene</td> <td>trans-1,3-Dichloropropene</td> </tr> <tr> <td>Trichloroethene</td> <td>Trichlorofluoromethane</td> </tr> <tr> <td>Vinyl Chloride</td> <td></td> </tr> </table>	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Benzene	Bromodichloromethane	Bromoform	Bromomethane	C6-C10 Hydrocarbons	Carbontetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dichloromethane	Ethylbenzene	m,p-Xylene(s)	MTBE	o-Xylene	Styrene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	
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Vinyl Chloride																																							
<p>ATL SOP-00102</p>	<p>Polynuclear Aromatic Hydrocarbons in Soil and Sediment by GC-MS Soil/Sediment (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															
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Perylene	Phenanthrene																																						
Pyrene																																							

<p>ATL SOP-00103</p>	<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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Dibenz (a,h) anthracene	Fluoranthene																										
Fluorene	Indeno (1,2,3 - cd) pyrene																										
Naphthalene	Perylene																										
Phenanthrene	Pyrene																										
Quinoline																											
<p>ATL SOP-00104</p>	<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			
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<p>ATL SOP-00105</p>	<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 1248	Aroclor 1254																										
Aroclor 1260	Aroclor 1262																										
Aroclor 1268	Total PCB																										
<p>ATL SOP-00106</p>	<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>>C10 - C16 >C16 - C21 >C21 - C32</p>	
ATL SOP-00112	<p>Total Extractable Hydrocarbons (>C10 to C32) in Fish and Shellfish Fish / Tissue (GC/FID)</p> <p>>C10 - C16 >C16 - C21 >C21 - C32</p>	
ATL SOP-00113	<p>Total Extractable Hydrocarbons (>C10 to C32) in Water Water, Low Level Water, SPLP / TCLP Leachate (GC/FID – EXTRACTION)</p> <p>>C10 - C16 >C16 - C21 >C21 - C32</p>	
ATL SOP-00116	<p>Aliphatic / Aromatic Fractionation for Petroleum Hydrocarbons (>C10-C32) Water / Soil / Sediment / Solids (GC/FID)</p> <p>>C10-C12 Aliphatic >C12-C16 Aliphatic >C16-C21 Aliphatic >C21-C32 Aliphatic</p>	<p>>C10-C12 Aromatic >C12-C16 Aromatic >C16-C21 Aromatic >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>

ATL SOP-00120	Aliphatic / Aromatic Fractionation of C6 to C10 Petro. Hydrocarbons Water / Soil / Sediment / Solids (HS-GCMS) >C8-C10 Aliphatic >C8-C10 Aromatic (-EX) Benzene C6-C8 Aliphatic Ethylbenzene m,p-xylene o-xylene Toluene Total Xylenes		
ATL SOP-00130	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		
ATL SOP-00133	Volatile Organic Compounds by Headspace GC-MS/SIM Soil/Water (GC/MS - HEADSPACE) <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> 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 </td> <td style="width: 50%; vertical-align: top;"> 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 </td> </tr> </table>	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
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		

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: 69

Notes:

ATL SOP: In-house test method



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Elias Rafoul
Vice-President, Accreditation Services
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