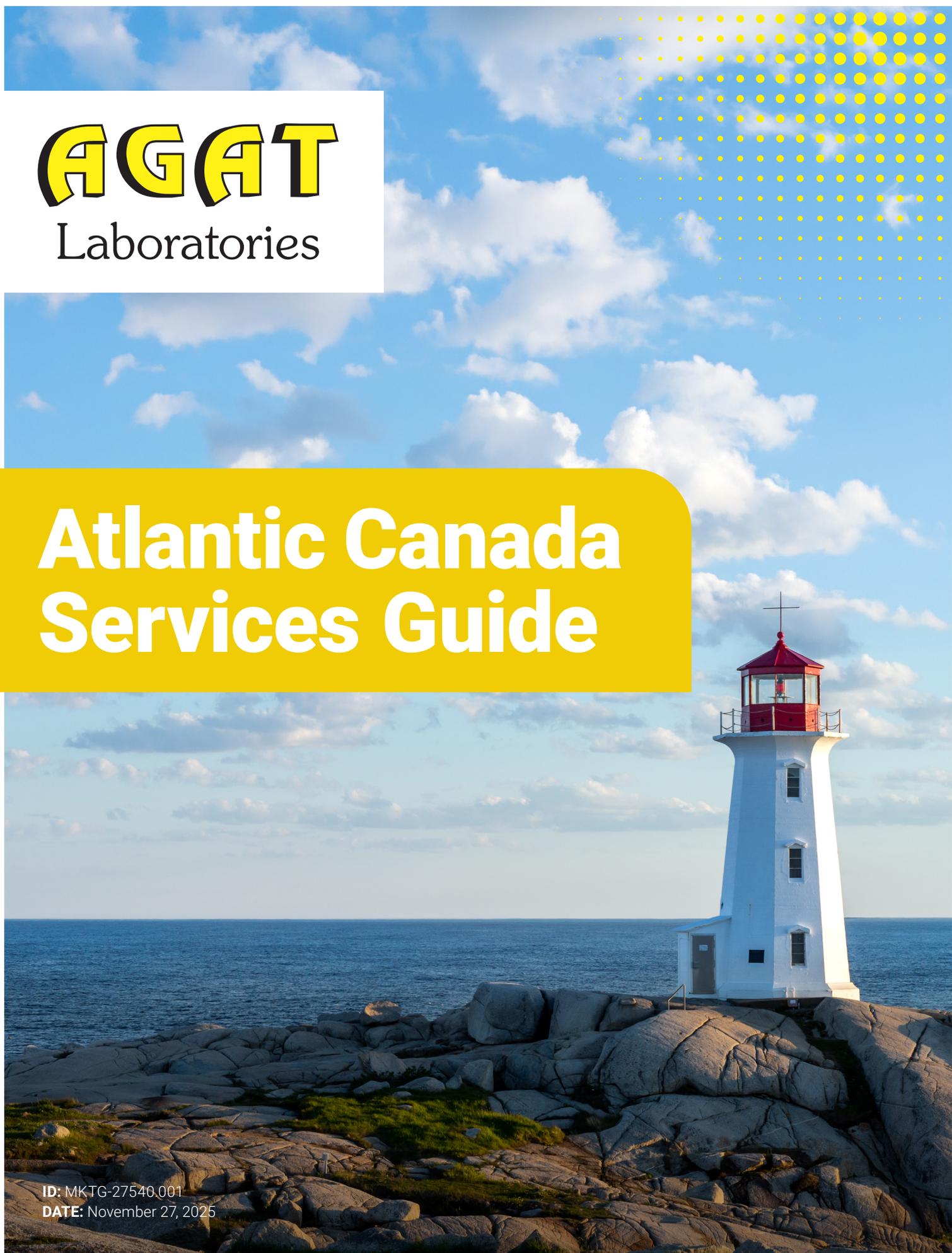




**AGAT**  
Laboratories

# Atlantic Canada Services Guide

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Since 1979, AGAT Laboratories has been empowering clients with trustworthy data and unmatched client relations. We support clients with precise analytical testing in meaningful projects from Environmental to Industrial to Energy and more. With a full-service approach, and over 40 specialized coast-to-coast laboratories, we're offering solutions to client challenges throughout North America and beyond.

Providing Service Beyond Analysis, we work in partnership with you. You'll get the care of a dedicated project manager and experts in science you can trust for routine, specialized, and custom testing.

Leveraging a 45-year history, we look forward to welcoming new labs, clients, and developments to help us change the world sample by sample.



# Environmental Services



## Organic Chemistry

We deliver high quality trace organic data that meets provincial and federal guidelines. Through advances in methodology and with a team of experienced scientists, we can meet the low-level detections of thousands of compounds required by Canadian regulations.

### Some of these compounds include:

- Alcohols
- Amines
- Chlorophenolic Compounds
- Dissolved Gases
- Formaldehyde and Aldehydes
- Glycols
- Haloacetic Acids
- Oil and Grease
- Pesticides and Herbicides
- Petroleum Hydrocarbons
- Polychlorinated Biphenyls (PCBs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Solvents
- Sterilants (low-level)
- Total and Extractable Organic Halides (TOX/EOX)
- Trihalomethanes (THMs)
- Volatile Organic Compounds (VOCs)

## Ultra-trace Organics

Our laboratories offer ultra-trace analysis of persistent organic pollutants (POPs) such as Dioxins and Furans, PCBs, and PAHs via High-resolution GCMS. AGAT has invested in increasing both its extraction productivity by recently doubling its extraction labware and upgrading to the latest analytical systems, APGC Triple Quadruple Mass Spectrometers.

AGAT Laboratories has the capability to provide extraction and analysis for these compounds in varying matrices including:

<p><b>Solids</b></p> <ul style="list-style-type: none"> <li>• Soil</li> <li>• Sediment</li> <li>• Waste</li> <li>• Paint</li> </ul>	<p><b>Semi-solids</b></p> <ul style="list-style-type: none"> <li>• Biological</li> <li>• Fish Tissue</li> <li>• Adipose Tissue</li> </ul>
<p><b>Air</b></p> <ul style="list-style-type: none"> <li>• Polyurethane Foams (PUFs)</li> </ul>	<p><b>Aqueous</b></p> <ul style="list-style-type: none"> <li>• Surface/Ground/Drinking Water</li> <li>• Leachates</li> <li>• Effluents</li> </ul>

## Inorganic Chemistry

We are accredited for a vast array of inorganic parameters across multiple matrices, including soils, sludges, drinking water, groundwater, surface water, mine tailings, effluent, and landfill leachate.

Our Environmental laboratories are equipped with advanced ICP-OES and ICP-MS instrumentation for metals analysis.

### Some of our Inorganic capabilities include:

- Anions (Cl, Br, F, NO3, NO2, SO4)
- Cations (Na, K, Ca, Mg)
- Cyanide
- Mercury (low-level) and Methyl Mercury
- Nutrients
- Particle Size and Texture
- Speciated Metals (Se, As, and Cr)
- TCLP and SPLP Extractions
- Total Organic and Inorganic Carbon (TOC/TIC)
- Trace Metals in fresh and saline waters (low-level)

## Air Quality Monitoring

Our Air Quality Monitoring services assist clients in achieving regulatory compliance, evaluating the effectiveness of their air quality management systems, and give accurate assessment for environmental impact studies.

### Some services that we provide include:

- Ambient Air Monitoring, including PM2.5, PM10, TSP and Metals on Filter
- Data Acquisition
- Summa Canister Analysis
- Thermal Desorption Tube Analysis

## Environmental Tissue Samples

AGAT Atlantic is currently the only laboratory in the AGAT network offering tissue analysis for potential contaminants of concern, such as:

- Extractable Petroleum Hydrocarbons (EPHs)
- Metals, including Methyl Mercury
- Polychlorinated Biphenyls (PCBs)
- Polycyclic Aromatic Hydrocarbons (PAHs)

Types of tissue samples accepted include shellfish, fish, other marine species, and worms. When submitting samples, it is essential to provide preparation instructions to ensure the specific tissues of interest are properly prepared for analysis. Adequate sample volumes are critical to support the analysis. Be sure to discuss these requirements with your Client Services Representative prior to submitting.

## Ecotoxicology

AGAT's aquatic toxicology lab routinely conducts bioassays on effluents from municipalities and resource-based industries as part of compliance-monitoring programs.

Our laboratory is equipped to conduct sensitive toxicity testing to quickly and effectively determine acute toxicity levels within soils, sludges, and waters.

We also employ various methods of sample clean-up to help clients determine the best course of action when dealing with potentially toxic samples.

### Some services that we provide include:

- LT50 *Daphnia magna*
- LC50 *Daphnia magna*
- LT50 Rainbow Trout (*Oncorhynchus mykiss*)
- LC50 Rainbow Trout (*Oncorhynchus mykiss*)
- Liquid Phase Microtox (EC50)
- Solid Phase Microtox (IC50)
- Amphipods
- Polychaetes

## Microbiology

AGAT Laboratories' microbiology laboratories can detect harmful bacteria to support environmental monitoring, water quality assessments, and regulatory compliance programs. We can analyze various matrices, including water and soil, to provide reliable data aligned with public health and environmental requirements across Canada.

- Acid Producing Bacteria (APB)
- Aerobic Bacteria (sporulative & vegetative)
- Clostridium
- *E. coli*
- *Enterococcus*
- Fecal Coliforms
- Iron Related Bacteria (IRB)
- Presumptive *Enterobacteriaceae*
- *Pseudomonas*
- Salt Content
- Standard Plate Count\*
- Sulfate Reducing Bacteria (SRB)
- Total Coliforms
- Yeast and Moulds

\* Also known as APC (Aerobic Plate Count) & HPC (Heterotrophic Plate Count)

## Environmental Services Overview

AGAT Laboratories provides specialized environmental testing services to environmental consultants, government agencies, and industry partners. Our expertise supports projects requiring detailed analysis and regulatory compliance. From routine monitoring to specialized investigations, we deliver reliable data with precision and speed.

### Capabilities

- Contaminated site testing
- Detailed soil and water analysis (including drinking water)
- Compound identification
- Research and development
- Method development

**Contact your local Client Services Representative today to learn more or request a quote.**



## Food Pathology & Safety

AGAT Laboratories tests food products for a range of harmful bacteria to ensure security of the supply chain while providing critical information to our clients. Our clients come from the food processing, seafood harvesting, and food distribution industries. We also partner with property owners and managers of institutions, restaurants, and retail operations to test the effectiveness of cleaning and sanitation procedures to ensure the safety of their employees and customers.

AGAT offers quality-assurance testing and shelf-life studies as well as the following routine microbiological analyses for food, water, swabs and environmental samples.

- Anaerobic Bacteria (sporulative & vegetative)
- *Bacillus* species
- *E. coli*
- *Enterobacteriaceae*
- *Enterococcus* species
- *Listeria monocytogenes* and *Listeria* species
- *Listeria* Enumeration
- *Salmonella* species
- Salt content
- *Staphylococcus aureus*
- Standard Plate Count\*
- *Pseudomonas*
- Total and fecal coliforms
- Total bacteria counts
- *Vibrio* species
- Yeast and moulds

\* Also known as APC (Aerobic Plate Count) & HPC (Heterotrophic Plate Count)

## Atlantic Laboratories / Depots / Couriers

### Nova Scotia



Dartmouth

#### Laboratory

Unit 122, 11 Morris Drive  
Dartmouth, NS B3B 1M2  
P: 902.468.8718  
F: 902.468.8924

#### Laboratory Hours

Mon - Fri: 8 am - 5 pm

#### Sample Reception Hours

Mon - Fri: 8 am - 6 pm  
Sat: 9 am - 1 pm

#### Sample Drop-Off Types

Environmental Chemistry  
Food Testing

#### Services Offered

- Full-service environmental analysis
- Dedicated CSR
- Sample drop-off and supply pick-up

### Local Couriers

Southwestern Nova Scotia			
City	Company	Address	Phone
Annapolis Royal	Purolator	292 St George Street, Annapolis Royal, NS B0S 1A0	902.286.3111
Bridgewater*	MBW Courier Inc.	204 Cornwall Road, Mahone Bay, NS B0J 2E0	800.279.6952
Middleton	MBW Courier Inc.	24 Veterans Lane, Middleton, NS B0S 1P0	800.279.6952
Shelburne	Purolator	147 Water Street, Shelburne, NS B0T 1W0	902.875.3173
Yarmouth	MBW Couriers	Highway 340, Yarmouth, NS B5A 5Z6	800.279.6952

Central Nova Scotia			
City	Company	Address	Phone
Amherst	Maritime Bus Parcel Express	34 HWY 6 Exit 3, West Amherst, NS B4H 4B9	800.575.1807
Antigonish	Maritime Bus Parcel Express	1100 Convocation Blvd, Antigonish, NS B2G 2W5 (St. FX Keating Centre)	902.867.3304
New Glasgow	Maritime Bus Parcel Express	134 N Foord St, Stellarton, NS B0K 0A2	902.755.6767
Truro*	MBW Courier Inc.	142 Parkway Drive, PO Box 102, Truro, NS B2N 5B6	800.279.6952

Cape Breton			
City	Company	Address	Phone
Port Hawkesbury	MBW Courier Inc.	3 Paint Street, Port Hawkesbury, NS B9A 3J4	800.279.6952
Sydney*	AltiMax Courier	410 Gatesway Ave, Edwardsville, NS B2A 4V1	902.460.6006
Whycocomagh	Maritime Bus Parcel Express	9243 HWY 105, Whycocomagh, NS B0E 3M0	902.756.3088

\* Note: AltiMax Courier provides next-day services anywhere within the Maritimes and Newfoundland by partnering with local delivery companies. Call (506) 859-2977 to arrange pick-up and delivery.

### New Brunswick



AltiMax Courier – Dieppe Depot

#### Depot

1485 Champlain St  
Dieppe, NB E1A 1R5  
P: 902.468.8718

#### Depot Hours

Mon - Fri: 8 am - 5 pm

#### Details

Samples dropped off by 5 pm will be delivered to the Dartmouth Lab by 9 am the following morning. Samples delivered to the depot on Friday, or after the cut-off times, will be shipped the next business day.

City	Company	Address	Phone
Bathurst	Purolator	1300 St. Peter Ave, Unit 60A, Place Bathurst Mall, Bathurst, NB E2A 3A6	888.744.7123
Campbellton	Maritime Bus Parcel Express	157 Roseberry St. Campbellton, NB E3N 2G6	506.753.6714
Edmundston	Maritime Bus Parcel Express	191 Victoria St. Edmundston, NB E3V 2J1	800.575.1807
Fredericton	Purolator	727 Wilsey Rd, Fredericton, NB E3B 7K3	888.744.7123
Miramichi	Maritime Bus Parcel Express	186 King St, Miramichi, NB E1N 2P2	506.773.5515
Saint John	Purolator	48 Hatheway Cres, Saint John, NB E2M 5V3	888.744.7123

### Prince Edward Island



Import Requirements

The Canadian Food Inspection Agency (CFIA) requires a Domestic Movement Certificate (DMC) for any movement of PEI soil to other provinces, which includes transporting the materials to approved soil-handling facilities (such as our certified labs) or disposal sites. Our clients in PEI must obtain a DMC from their local CFIA office and include a copy of the certificate with each shipment containing soil and soil-related samples. Please reach out to either of the two contacts below to begin your application process:

**Summerside:** [Summerside@inspection.gc.ca](mailto:Summerside@inspection.gc.ca)

**Charlottetown:** [cfia.pecharlottetownffv-flf.acia@inspection.gc.ca](mailto:cfia.pecharlottetownffv-flf.acia@inspection.gc.ca)

**For more information, please visit the CFIA website at:** [inspection.canada.ca/en/plant-health/invasive-species/directives/imports](https://inspection.canada.ca/en/plant-health/invasive-species/directives/imports)

### Local Couriers

City	Company	Address	Phone
Charlottetown	Purolator	502 Brackley Point Rd, Brackley, PE C1E 2P5	888.744.7123
Summerside	Purolator	609 Water St E, Summerside, PE C1N 4H8	902.436.7238

## Newfoundland



### Laboratory

5 Sea Rose Ave  
St. John's, NL A1A 0P6  
P: 709.726.9345

### Laboratory Hours

Mon - Fri: 8 am - 5 pm

### Sample Drop-Off Types

Environmental Chemistry  
Food Testing  
Ecotoxicology Testing

### Services Offered

- Sample drop-off and supply pick-up
- Representatives available to service local area
- Client-focused team for training and seminars
- Short hold time environmental laboratory services

## Import Requirements

### Newfoundland Soil Submissions:

Soil from Newfoundland and Labrador is subject to CFIA movement restrictions due to regulated pests. However, if our Newfoundland and Labrador clients are submitting samples to our laboratory in St. John's, rest assured that our lab holds the necessary CFIA authorization to receive and handle these materials.

However, if our clients plan to ship their soil and soil-related samples directly to a location outside of the province, they must obtain a DMC from their local CFIA office and a copy of this certificate must accompany these shipments. Please reach out to your local CFIA office for further details at 709.772.4424.

## Local Couriers

Newfoundland			
City	Company	Address	Phone
Corner Brook	AltiMax	White Lake Rd, NL A2H 6J3	709.747.7052
Grand Falls-Windsor	AltiMax	Exit 17, Trans Canada Highway, Grand Falls-Windsor, NL A2A 1C6	709.747.7052
Province Wide *Including remote areas	AltiMax	Call to arrange delivery	709.747.7052
Other	Dooley's	Call to arrange delivery	709.256.3528
Other	Day & Ross	Call to arrange delivery	877.726.3329

Labrador			
City	Company	Address	Phone
All Locations	PAL Airlines Cargo only	Call to arrange delivery	888.839.1999

\* Note: AltiMax Courier provides next-day services anywhere within the Maritimes and Newfoundland by partnering with local delivery companies. Call (506) 859-2977 to arrange pick-up and delivery.

## Client Services and Logistics

### Sample Containers & Ordering

All analyses require specific container types and minimum sample volumes. AGAT Laboratories provides sampling containers upon request. These are listed by parameter type on the back of our Chain of Custody (CoC) form and are also included in this document.

Ample time is required to process and ship bottle orders, especially larger bottle orders. We recommend discussing your requirements with your respective Client Services Representative (CSR) to ensure AGAT can meet your schedule. To place an order for pickup or delivery, please contact your CSR directly.

### Sample Collection & Procedures

Appropriate collection and handling of samples is crucial to obtaining valid data that is representative of the samples. Key procedures and requirements for sample collection and handling include: sample filtration (if applicable), sample preservation, and holding times. These are described briefly below; however, these do not represent the full list of AGAT's sample procedures and requirements. Further details can be found on the AGAT website under Client Portal and Sampling Requirements.

#### Filtration

It is important that samples submitted for the measurement of organic compounds and microbiological parameters are unfiltered to ensure accurate results. Many organic compounds adsorb to the particulate present in a water sample and membrane filtering will remove bacteria from the sample. Filtration is required for dissolved metals and dissolved organic compounds. If filtering in the field, a preserved bottle will be provided; however, if you require lab filtration of these parameters, an unpreserved bottle will be provided. It is important to notify your CSR if field filtration will take place, to ensure the proper bottle is provided.

#### Preservation

Preservation may be required to stabilize the analyte of interest in the sample prior to its transportation to the laboratory. Containers that have been provided by AGAT with preservative already added should not be rinsed or allowed to overflow during collection, or the preservative will be diluted.

#### Holding Times

For certain tests, the sample must be received at the laboratory and analyzed within a short period of time. Examples of perishable parameters include microbiological contaminants, turbidity, nitrate, and nitrite. Holding time is defined as the time between the collection of the sample and the start of analysis.

### Sample Drop-Off

AGAT Laboratories offers the following options to our new and existing clients for submitting samples:

1. AGAT Laboratories will pick-up the samples directly from the client office or site within the Halifax Regional Municipality. This is contingent upon the samples being packed and sealed (and labeled for shipment, if applicable). Contact your CSR or main reception line for more details.
2. Clients may drop off samples directly at the Sample Drop-Off Depot in Dieppe, NB where trained staff will process, pack, and ship the samples to the AGAT Laboratory in Dartmouth, NS.
3. Clients may drop off samples directly at the AGAT Laboratory in Dartmouth, NS or St. John's, NL personally or by using an alternate courier.

Samples should be kept cold (between 1°C – 10°C), especially if stored overnight. Some exceptions for food and frozen samples; see Sample Procedures and Requirements. Please ensure samples are packed in such a way to maintain this temperature requirement, using appropriate techniques.

### Hours

Sample Drop-Off hours at our Dartmouth Laboratory are Monday to Friday, 8 am to 6 pm and Saturday, 9 am to 1 pm. All other locations are Monday to Friday, 8 am to 5 pm. Alternate times may be considered on a case-by-case basis; coordination with the respective CSR is requested in advance of the sampling.

Samples dropped off by 5 pm in Dieppe will be delivered to the Dartmouth Lab by 9 am the following morning. Samples delivered to the depot on Friday or after the cut-off times will be shipped the next business day. Alternate shipping routes or arrangements may be considered on a case-by-case basis, if rush shipping is required.

### Bacteria Samples

Any microbiology samples must be received within 24 hours of sampling, and before 2 pm on Fridays. **We do not accept microbiology samples on Saturdays.**

For Clients outside of the Halifax Regional Municipality or the City of St. John's, NL, it is recommended that Bacteria Samples be collected no earlier than 11 am Monday to Thursday and dropped off to be no later than 5 pm on the day they are collected. Friday drop-off may be considered on a case-by-case basis, but coordination with the respective CSR is required in advance of the sampling. Alternate sample collection/ shipping arrangements may be required.



## Sample Procedures & Requirements

Organic: Water				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
BTEX/PIRI C6 - C10/CCME F1/VOCs	CV / AV, NH	14 days	3 x 40 mL	NaHSO <sub>4</sub>
CCME F2-F4	CG / AG	14 days	2 x 100 mL	HCl
Dissolved Gases	CV / AV, NH	14 days	3 X 40 mL	HCl
HAA	AV, NH	14 days	3 x 40 mL	NH <sub>4</sub> Cl
PAH	CG / AG	14 days	2 x 100 mL	NaHSO <sub>4</sub>
PAH (Low Level)	CG / AG	14 days	2 x 1L	NaHSO <sub>4</sub>
PCB	CG / AG	None	2 X 250 mL	None
PIRI C10 - C32	CG / AG	14 days	2 x 250 mL	HCl
THM	AV, NH	14 days	3 x 40 mL	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
TOG/MOG/F4G/AV	CG / AG	28 days	2 x 1L	H <sub>2</sub> SO <sub>4</sub>

Inorganic: Water				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
Ammonia	PB	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Anions (BrO <sub>3</sub> <sup>-</sup> , Br <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup> , Cl <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> )	PB	28 days	120 mL	None
Anions (Nitrate and Nitrite)	PB	3 days	120 mL	None
Cations	PB	28 days	120 mL	HNO <sub>3</sub>
Chemical Oxygen Demand (COD)	PB, NH	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Chlorine, Residual (Total or Free), Chloramines	AV	ASAP	2 x 40 mL	None
DO, ORP, pH	PB	ASAP	120 mL	None
Colour	PB	7 days	120 mL	None
Cyanide	PB	7 days	60 mL	NaOH
Dissolved Organic Carbon (DOC)	PB	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub> after filtering
Ferrous Iron	CV / AV, NH	7 days	2 x 40 mL	HCl after filtering
Hexavalent Chromium	PB	28 days	60 mL	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> + NaOH
MeHg (Dissolved)	FLPE	48 hours (unless filtered and frozen)	250 mL	Pres and filtration completed at the lab
MeHg (Total)	FLPE	48 hours (unless frozen)	250 mL	Pres completed at the lab
Mercury (Dissolved)	AV	28 days	2 x 40 mL	HCl after filtering
Mercury (Total)	AV	28 days	2 x 40 mL	HCl
Metals (Dissolved)	PB	28 days	120 mL	HNO <sub>3</sub> after filtering
Metals (Total)	PB	28 days	120 mL	HNO <sub>3</sub>
Phenols	AG	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Phosphorus (Total)	PB	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Standard Water Analysis	PB	7 days **	250 mL, 120 mL, 120 mL	None, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>
Sulfide	PB	28 days	60 mL	NaOH + ZnAc
Total Dissolved Solids (TDS)	PB	7 days	500 mL	None
Total Inorganic Carbon (TIC)	PB, NH	28 days	120 mL	None
Total Kjeldahl Nitrogen (TKN)	PB	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Total Organic Carbon (TOC)	PB	28 days	120 mL	H <sub>2</sub> SO <sub>4</sub>
Total Suspended Solids (TSS)	PB	7 days	500 mL	None
Turbidity	PB	3 days	120 mL	None
Ultra Low Level Hg (Total/Dissolved)	FLPE	28 days	250 mL	None
Ultra Low Level TSS	PB	7 days	1 L	None

Organic: Soil				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
BTEX/PIRI C6 - C10/CCME F1/VOCs	CV	40 days	2 x 40 mL	MeOH
PIRI C10 - C32/CCME F2-F4	CG / AG	14 days	120 mL	None
PAH/OCP	AG	14 days	120 mL	None
PCB	CG / AG	None	120 mL	None

Inorganic: Soil				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
Ammonia	CG	28 days	120 mL	None
Anions (BrO <sub>3</sub> <sup>-</sup> , Br <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup> , Cl <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> )	CG	28 days	120 mL	None
Anions (Nitrate & Nitrite)	CG	7 days	120 mL	None
Cations	CG	6 months	120 mL	None
Conductivity	CG	28 days	120 mL	None
Cyanide	CG	14 days	120 mL	None
Hexavalent Chromium	CG	28 days	120 mL	None
MeHg	CG	28 days chilled, 180 days if frozen	120 mL	None
Mercury	CG	28 days	120 mL	None
Metals	CG	180 days	120 mL	None
pH	CG	3 months	120 mL	None
Phenols	CG	28 days	120 mL	None
Total Organic Carbon (TOC)	CG	14 days	120 mL	None

Environmental Toxicology				
Parameter	Cont. Type	Holding Time	Volume Req.	Temperature Req.
Amphipod (sediment)	NTC, NH	6 weeks (2 preferred)	2 L minimum (5 L preferred)	1.0°C – 7.0°C (dark)
<i>Daphnia</i> effluents	NTC, NH	5 days (3 preferred)	2 x 1 L composite sample	1.0°C – 30.0°C (<2 day transport) or 1.0°C – 8.0°C (>2 day transport)
Microtox (solid)	NTC, NH	6 weeks	250 mL	1.0°C – 7.0°C (dark)
Microtox (liquid)	NTC-R*, NH	24-72 hours (24 preferred)	250 mL	1.0°C – 7.0°C (dark)
Polychaete (sediment)	NTC, NH	6 weeks (2 preferred)	250 mL	1.0°C – 7.0°C (dark)
Rainbow Trout Lethality (LC50)	NTC, NH	5 days (3 preferred)	40 L (2 x 20 L)	1.0°C – 30.0°C (<2 day transport) or 1.0°C – 8.0°C (>2 day transport)
Rainbow Trout Lethality (LT50)	NTC, NH	5 days (3 preferred)	20 L	1.0°C – 30.0°C (<2 day transport) or 1.0°C – 8.0°C (>2 day transport)

Biological: Water (Environmental)				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
Biological Oxygen Demand (BOD)	PB	48 hours	500 mL	None
Fecal Coliforms MF or MPN	PB	24 hours	250 mL	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
<i>Pseudomonas aeruginosa</i> presumptive	PB	24 hours	250 mL	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Heterotrophic Plate Count (HPC)	PB	24 hours	250 mL	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Total Coliforms & <i>E. coli</i> (MPN), (P/A), or (MF)	PB	24 hours	250 mL	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>

Biological: Soil				
Parameter	Cont. Type	Holding Time	Volume Req.	Pres.
Fecal Coliforms	250 mL PET	48 hours	100 g	None
<i>Salmonella</i>	250 mL PET	48 hours	100 g	None
<i>E. coli</i>	250 mL PET	48 hours	100 g	None
Total Coliforms	250 mL PET	48 hours	100 g	None

Please Note: Biological samples will not be accepted after 2 pm on Fridays



Biological: Food & Water (In Food Safety)				
Parameter	Cont. Type	Holding Time	Volume Req.	Temperature Req.
Frozen food samples	CP / SC	3 weeks	50 g per test	Transport frozen
Fresh food samples	CP / SC	24 hours	200 mL/g	2.0°C – 8.0°C
Shelf stable samples	CP / SC	3 weeks	200 mL/g	None
Food chemistry (Frozen seafood)	CP / SC	3 weeks	50 g per test	Transport frozen
Food chemistry (Fresh seafood)	CP / SC	1 day	50 g per test	2.0°C – 8.0°C
Swabs	N/A	24 hours	N/A	2.0°C – 8.0°C
Ice	CP / SC	48 hours	200 g	Transport frozen
Brine	CP / SC	24 hours	200 mL	2.0°C – 8.0°C
Production Waters (Unchlorinated)	SC	24 hours	200 mL	2.0°C – 8.0°C
Production Waters (Chlorinated)	SC + NaHSO <sub>4</sub>	24 hours	200 mL	2.0°C – 8.0°C
Source Waters, Seawater, Treated Wastewater (Unchlorinated)	SC	24 hours	200 mL	1.0°C – 10°C
Source Waters, Seawater, Treated Wastewater (Chlorinated)	SC + NaHSO <sub>4</sub>	24 hours	200 mL	1.0°C – 10°C
Potable Waters (Unchlorinated)	SC	Max 30 hours	200 mL	1.0°C – 10°C
Potable Waters (Chlorinated)	SC + NaHSO <sub>4</sub>	Max 30 hours	200 mL	1.0°C – 10°C
Air Quality Plates	N/A	Incubate on arrival	N/A	2.0°C – 8.0°C

Please Note: Biological samples will not be accepted after 2 pm on Fridays

#### Directions

- 1 Locate the desired test. Identify the sample type, container, preservative, and holding times.
- 2 Keep samples cool and ship to the lab as soon as possible. Pre-cleaned containers can be supplied by the lab.
- 3 Please contact your laboratory for more detailed sampling instructions or to notify of incoming RUSH samples.
- 4 This is not an exhaustive list. For parameters not listed, please reach out to your Client Services Representative.

#### Container Codes

AG/AV – Amber Glass/Vial  
 PB – Plastic Bottle  
 CG/CV – Clear Glass/Vial  
 PET – Polyethylene Terephthalate

FLPE – Fluorinated High-Density Polyethylene  
 CP – Client Packages  
 SC – Sterile Containers  
 NTC – Non-toxic Container

NH – No Headspace (air in container)  
 R\* – Container rinsed with sample  
 \*\* Excluding Turbidity, Nitrate + Nitrite, which have 3 day holding times

Our laboratories utilize test procedures and methods from recognized organizations such as EPA, ASTM, Standard Methods, NIOSH, and Health Canada, in accordance with applicable federal and provincial regulations.

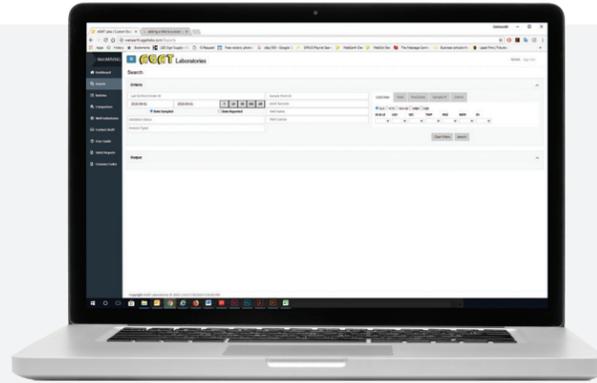
## Atlantic Accreditation

AGAT Laboratories in Atlantic Canada is accredited by the Canadian Association for Laboratory Accreditation (CALA) to perform specific tests in accordance with the ISO/IEC 17025:2017 standard.



**WebEARTH** is our interactive web database for environmental clients. This software package provides clients with real-time access to results while integrating features such as data-trending, guideline comparisons, quality control, and customizable export functions. This includes custom downloads in client-specified formats, substitution of cross-Canada regulatory standards, various reporting formats, trending, and graphing options all in a secure, managed environment.

[webearth.agatlabs.com](http://webearth.agatlabs.com)



## Useful Links

### AGAT Website

[agatlabs.com](http://agatlabs.com)

### AGAT Scope of Accreditation

[agatlabs.com/about/quality-accreditation/accreditation/](http://agatlabs.com/about/quality-accreditation/accreditation/)

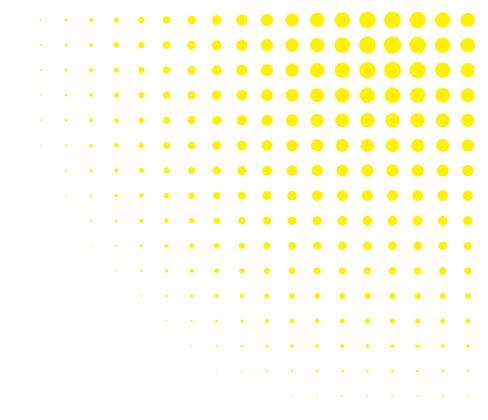
### Shipping

**AltiMax** – [altimaxcourier.com](http://altimaxcourier.com)

**Purolator** – [purolator.com/en/services/shipping-canada](http://purolator.com/en/services/shipping-canada)

**MBW Couriers Inc** – [mbwcourier.ca/shipping](http://mbwcourier.ca/shipping)

**Maritime Bus Parcel Express** – [maritimebus.com/en/shipping-options](http://maritimebus.com/en/shipping-options)



# AGAT Laboratories

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and learn more about our wide  
range of laboratory services.

