

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** **Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs**

**Location Name or Operating as (if applicable):** Centre d'expertise en analyse environnementale du Québec

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<b>SCC File Number:</b>	15385
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	45814-2
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Chemical/Physical
<b>Program Specialty Area:</b>	Environmental Testing (ET)
<b>Initial Accreditation:</b>	1999-12-17
<b>Most Recent Accreditation:</b>	2023-09-21
<b>Accreditation Valid to:</b>	2027-12-17

*Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.*

*Note: This scope of accreditation is also available in French as a separately issued document.*

**SCC Group Accreditation:**

This laboratory is a part of a Group Accreditation with the following facility in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- Centre d'expertise en analyse environnementale du Québec, 2700, rue Einstein, Québec (Québec) G1P 3W8

**ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY**

**Environmental:**

(Characterization and quantification analysis in inorganic chemistry and organic chemistry, including highly toxic contaminants in various environmental media (water, air, soil) and in releases (gas, liquid, and solid))

**Inorganic chemistry**

MA. 100 - Gran. 2.0	Determination of particle size (solids)
MA. 100 - Lix.com. 1.1	Leaching protocol for inorganic species (solids)
MA. 100 - Mas.Vol. 1.0	Determination of the density of agricultural soil: gravimetric method
MA. 100 - Part. 1.0	Determination of particles: gravimetric method (filters and gauges for atmospheric emissions and ambient air sampling)
MA. 100 - pH 1.1	Determination of pH: electrometric method (aqueous and solid samples)
MA. 100 - S.T. 1.1	Determination of total solids and total volatile solids: gravimetric method (liquids and slurries)
MA. 108 - Cor. 2.1	Determination of corrosiveness: gravimetric method (liquids and solids)
MA. 108 - Corps étrangers	Determination of quantity of foreign matter in solid: gravimetric method
MA. 108 - P.Cal. 1.1	Determination of calorific value: combustion method with a calorimetric bomb (oils and hazardous waste)
MA. 110 - ACISOL 1.0	Determination of the neutralizing capacity, acid generating potential and acidogenic potential of solid
MA. 110 - C. neu 1. 0	Determination of the neutralization capacity of solid waste
MA. 110 - L. lib. 1.0	Determination of the presence of free liquid in solid waste: gravimetric method
MA. 115 - Cond. 1.1	Determination of conductivity: electrometric method (waters and solids)
MA. 115 - S.D. 1.0	Determination of total dissolved and volatile solids: gravimetric method (aqueous samples)
MA. 115 - S.S. 1.2	Determination of total suspended and volatile solids: gravimetric method (waters)

MA. 200 - Mét. 1.2	<p>Determination of metals: argon plasma ionizing source mass spectrometry method</p> <p>Aqueous liquids, soils and solid waste, plant tissues and ambient air: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Te, Ti, Tl, U, V, Zn</p> <p>Leachate : As, B, Ba, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Se, U, Zn</p> <p>Oils : Al, As, B, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sr, Ti, V, Zn</p>
MA. 200 - Mét-P ass. 1.0	<p>Determination of assimilable metals and phosphorus: argon plasma ionizing source mass spectrometry method (solids)</p> <p>Al, Ca, Cu, K, Mg, Mn, P, Zn</p>
MA. 200 - M-Ter.rares	<p>Determination of rare earth metals: argon plasma ionizing source mass spectrometry method</p> <p>(aqueous samples, air filters and solids)</p> <p>Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Th, Tm, U, Y, Yb</p>
MA. 200 - Spec.Mét. 1.1	<p>Determination of the speciation of antimony, arsenic, chromium and selenium: high pressure liquid chromatography method coupled with argon plasma ionizing source mass spectrometer (waters, soils and air)</p>
MA. 300 - CN 1.2	<p>Determination of cyanides: automated colorimetric method with isonicotinic acid and barbituric acid – manual distillation (aqueous and solids samples)</p>
MA. 300 - F 1.2	<p>Determination of fluorides: colorimetric method after distillation (solids, liquids, air and plant tissues)</p>
MA. 300 - Hal-Sou 1.0	<p>Determination of total halogens and sulfur: combustion method with a calorimetric bomb, followed by quantification by ion chromatography (oils, organic solid and liquid waste)</p>
MA. 300 - Ions 1.3	<p>Determination of anions: ion chromatography method</p> <p>Aqueous liquids: Bromide, Chloride, Reduced sulfur compounds, Sulfur dioxide, Nitrates, Nitrites, Sulfates</p> <p>Solids: extractable bromide, extractable chloride, extractable sulfates</p> <p>Solids and liquids waste: leached nitrates, leached nitrites</p>
MA. 300 - N. 2.0	<p>Determination of ammoniacal nitrogen: automated colorimetric method with sodium salicylate (liquid samples, solids and ambient air)</p>
MA. 300 - NO3 2.0	<p>Determination of nitrates and nitrites: automated colorimetric method with hydrazine sulfate and NED (liquids and solids)</p>
MA. 300 - NTPT 2.0	<p>Determination of total Kjeldahl nitrogen and total phosphorus: acid digestion - automated colorimetric method (liquids and solids)</p>
MA. 300 - P. Ino. 2.0	<p>Determination of total inorganic phosphorus: automated colorimetric method with ammonium molybdate (liquids and solids)</p>
MA. 300 - S 1.2	<p>Determination of sulfides: colorimetric method with ferric chloride and N,N-Dimethyl-p-phenylenediamine oxalate (liquids and solids)</p>

MA. 304 - Ions 1.1	Determination of thiocyanates and thiosulfates: ion chromatography method (liquids)
MA. 304 - T.L. 1.1	Determination of tannins and lignins: colorimetric method (aqueous liquids)
MA. 310 - CS 1.0	Determination of carbon and sulfur: combustion method and quantification by infrared spectrophotometry (solids)
MA. 315 - Alc-Aci. 1.0	Determination of alkalinity and acidity: automated titrimetric method (aqueous samples)
MA. 315 - CNO 1.1	Determination of cyanates: ion chromatography method (aqueous samples)
MA. 315 - DBO 1.1	Determination of the biochemical oxygen demand: electrometric method (industrial effluent)
MA. 315 - DCO 1.1	Determination of the chemical oxygen demand: closed reflux system method followed by quantification by colorimetry with potassium dichromate (industrial effluent)
MA. 315 - Hydrazine 1.0	Determination of hydrazine: colorimetric method (aqueous samples)
MA. 400 - COHA	Determination of absorbable organic halogen compounds: combustion method with a calorimetric bomb, followed by quantification by ion chromatography (aqueous samples)
MA. 400 - Hal 1.1	Determination of total organic halogens: combustion method with a calorimetric bomb, followed by quantification by ion chromatography (organic liquids and solids)
MA. 404 - I.Phé. 2.2	Determination of phenolic compounds (phenol index): automated colorimetric method with 4-aminoantipyrine (waters)
MA. 405 - C 1.1	Determination of total organic carbon in solids: quantification by titration

### Organic chemistry

MA. 108 - P.E. 1.1	Determination of the flash point temperature using the Pensky-Martens (closed cup) technique (liquids)
MA. 400 - BPCHR 1.0	<p>Determination of polychlorinated biphenyls (congener): quantification by gas chromatography coupled with a mass spectrometer (wastes, surface waters, drinking water, industrial effluents, aqueous waste, soils, sediments, solid waste, ambient air, atmospheric emissions, biological and plant tissues)</p> <p>Cl<sub>3</sub> – IUPAC # 17  Cl<sub>3</sub> – IUPAC # 18  Cl<sub>3</sub> – IUPAC # 28  Cl<sub>3</sub> – IUPAC # 31  Cl<sub>3</sub> – IUPAC # 33  Cl<sub>4</sub> – IUPAC # 44  Cl<sub>4</sub> – IUPAC # 49  Cl<sub>4</sub> – IUPAC # 52  Cl<sub>4</sub> – IUPAC # 70</p>

	<p>Cl<sub>4</sub> – IUPAC # 74  Cl<sub>5</sub> – IUPAC # 82  Cl<sub>5</sub> – IUPAC # 87  Cl<sub>5</sub> – IUPAC # 95  Cl<sub>5</sub> – IUPAC # 99  Cl<sub>5</sub> – IUPAC # 101  Cl<sub>5</sub> – IUPAC # 105  Cl<sub>5</sub> – IUPAC # 110  Cl<sub>5</sub> – IUPAC # 118  Cl<sub>6</sub> – IUPAC # 128  Cl<sub>6</sub> – IUPAC # 132  Cl<sub>6</sub> – IUPAC # 138  Cl<sub>6</sub> – IUPAC # 149  Cl<sub>6</sub> – IUPAC # 151  Cl<sub>6</sub> – IUPAC # 153  Cl<sub>6</sub> – IUPAC # 156  Cl<sub>6</sub> – IUPAC # 158  Cl<sub>6</sub> – IUPAC # 169  Cl<sub>7</sub> – IUPAC # 170  Cl<sub>7</sub> – IUPAC # 171  Cl<sub>7</sub> – IUPAC # 177  Cl<sub>7</sub> – IUPAC # 180  Cl<sub>7</sub> – IUPAC # 183  Cl<sub>7</sub> – IUPAC # 187  Cl<sub>7</sub> – IUPAC # 191  Cl<sub>8</sub> – IUPAC # 194  Cl<sub>8</sub> – IUPAC # 195  Cl<sub>8</sub> – IUPAC # 199  Cl<sub>8</sub> – IUPAC # 205  Cl<sub>9</sub> – IUPAC # 206  Cl<sub>9</sub> – IUPAC # 208  Cl<sub>10</sub> – IUPAC # 209</p>
MA. 400 - Clbz 1.0	<p>Determination of chlorobenzenes: quantification by gas chromatography coupled with a mass spectrometer (waters, solid matters, organic liquid matters, atmospheric emissions (resin))</p> <p>1,2,3,4-Tetrachlorobenzene  1,2,3,5-Tetrachlorobenzene  1,2,3-Trichlorobenzene  1,2,4,5-Tetrachlorobenzene  1,2,4-Trichlorobenzene  1,3,5-Trichlorobenzene  Hexachlorobenzene  Pentachlorobenzene</p>
MA. 400 - D.F. 1.1	<p>Determination of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans: quantification by gas chromatography coupled with a high resolution mass spectrometer (waters, solids, ambient air, atmospheric emissions, biological and plant tissues)</p> <p>1,2,3,4,6,7,8 - HpCDD  1,2,3,4,6,7,8 - HpCDF  1,2,3,4,7,8,9 - HpCDF  1,2,3,4,7,8 - HxCDD</p>

	<p>1,2,3,4,7,8 - HxCDF  1,2,3,6,7,8 - HxCDD  1,2,3,6,7,8 - HxCDF  1,2,3,7,8,9 - HxCDD  1,2,3,7,8,9 - HxCDF  1,2,3,7,8 - PeCDD  1,2,3,7,8 - PeCDF  2,3,4,6,7,8 - HxCDF  2,3,4,7,8 - PeCDF  2,3,7,8 - TCDD  2,3,7,8 - TCDF  OCDD  OCDF</p>
MA. 400 - Glycols	<p>Determination of glycols by gas chromatography coupled with a mass spectrometer (liquids and solids)</p> <p>1,3-Butanediol  1,3-Propanediol  1,4-Butanediol  1,5-Pentanediol  1,6-Hexanediol  1-Methoxy-2-propanol  2-Butoxyethanol  2-Ethoxyethanol  2-Methoxyethanol  Diethylene glycol  Ethylene glycol  Neopentyl glycol  Propylene glycol  Triethylene glycol  Tetraethylene glycol</p>
MA. 400 - HAP 1.1	<p>Determination of polycyclic aromatic hydrocarbons: quantification by gas chromatography coupled with a mass spectrometer (solids, liquids and air)</p> <p>1,3-Dimethylnaphtalene  1-Chloronaphtalene  1-Methylnaphtalene  1-Nitropyrene  2-Chloronaphtalene  2-Methyl chrysene  2-Methyl fluoranthene  2-Methylnaphtalene  2,3,5-Trimethylnaphtalene  3-Methylcholanthrene  3-Methyl chrysene  4-Methyl chrysene  5-Methyl chrysene  6-Methyl chrysene  7,12-Dimethylbenzo(a)anthracene  7H-Dibenzo(c,g)carbazole  Acenaphthylene  Acenaphthene</p>

	<p>Anthracene          Anthanthrene          Benzo(a)anthracene          Benzo(a)pyrene          Benzo(b)fluoranthene          Benzo(c)acridine          Benzo(c)phenanthrene          Benzo(e)pyrene          Benzo(g,h,i)perylene          Benzo(j)fluoranthene          Benzo(k)fluoranthene          Carbazole          Chrysene          Coronene          Dibenzo(a,c)anthracene          Dibenzo(a,e)fluoranthene          Dibenzo(a,e)pyrene          Dibenzo(a,h)acridine          Dibenzo(a,h)anthracene          Dibenzo(a,j)anthracene          Dibenzo(a,h)pyrene          Dibenzo(a,i)pyrene          Dibenzo(a,l)pyrene          Fluoranthene          Fluorene          Indeno(1,2,3-c,d)pyrene          Naphtalene          Perylene          Phenanthrene          Pyrene</p>
<p>MA. 400 - HAP Alkylés</p>	<p>Determination of alkylated polycyclic aromatic hydrocarbons:          quantification by gas chromatography coupled with a mass spectrometer          (solids, liquids and air)</p> <p>1,2,5,6-Tetramethylnaphtalene          1,2,6,9-Tetramethylphenanthrene          1,2,6-Trimethylphenanthrene          1,2,8-Trimethylphenanthrene          1,2-Dimethylnaphtalene          1,3 + 1,6-Dimethylnaphtalene          1,4,5-Trimethylnaphtalene          1,4,6,7-Tetramethylnaphtalene          1,4-Dimethylnaphtalene          1,4-Dimethylantracene          1,5-Dimethylnaphtalene          1,7-Dimethylfluorene          1,7-Dimethylnaphtalene          1,8-Dimethylphenanthrene          1-Ethylnaphtalene          1-Methylfluorene          1-Methylnaphtalene          1-Methylphenanthrene          1-Methylpyrene</p>

	<p>                 2,3,5-Trimethylnaphtalene                  2,3,6 + 1,4,6-Trimethylnaphtalene                  2,4,7-Trimethyldibenzothiophene                  2,6-Dimethylnaphtalene                  2,7-Dimethylnaphtalene                  2,8-Dimethyldibenzothiophene                  2-Methylbiphenyl                  2-Methylchrysene                  2-Methyldibenzothiophene                  2-Methylfluoranthene                  2-Methylnaphtalene                  2-Methylphenanthrene                  2-Ethylaphthalene                  2-Methylantracene                  3,3'-Dimethylbiphenyl                  3,6-Dimethylphenanthrene                  3-Methylbiphenyl                  3-Methylcholanthrene                  3-Methylchrysene                  4,6-Dimethyldibenzothiophene                  4-Methylbiphenyl                  4-Methylchrysene                  4-Methyldibenzothiophene                  5-Methylchrysene                  6-Methylchrysene                  7,12-Dimethylbenz(a)anthracene                  7-Methylbenzo(a)pyrene                  7H-Dibenzo(c,g)carbazole                  8-Methylbenzo(a)pyrene                  9-Methylantracene                  9-Methylbenzo(a)pyrene                  9-Methylphenanthrene                  Acenaphthylene                  Acenaphthene                  Anthracene                  Anthanthrene                  Benzo(a)anthracene                  Benzo(b)fluoranthene                  Benzo(c)acridine                  Benzo(c)phenanthrene                  Benzo(e)pyrene                  Benzo(g,h,i)perylene                  Benzo(a)pyrene                  Benzo(j)fluoranthene                  Benzo(k)fluoranthene                  Biphenyl                  Carbazole                  Chrysene                  Coronene                  Dibenz(a,c)anthracene                  Dibenz(a,h)anthracene                  Dibenzo(a,e)fluoranthene                  Dibenzo(a,e)pyrene             </p>
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	<p>Dibenzo(a,h)acridine  Dibenzo(a,h)pyrene  Dibenzo(a,i)anthracene  Dibenzo(a,i)pyrene  Dibenzo(a,l)pyrene  Dibenzothiophene  Fluoranthene  Fluorene  Indeno(1,2,3-cd)pyrene  Naphtalene  Perylene  Phenanthrene  Pyrene  Retene</p>
MA. 400 - HYD. 1.1	Determination of petroleum hydrocarbons (C <sub>10</sub> to C <sub>50</sub> ): quantification by gas chromatography coupled with a flame ionization detector (liquids, solids, hazardous materials)
MA. 400 - PBDE	<p>Determination of polybrominated diphenyl ethers: quantification by gas chromatography coupled with a mass spectrometer (liquids, solids, ambient air, biological and plant tissues)</p> <p>a-DP  ATE  BATE  BTBPE  DPTE  HBB  HCBCO (DBHCTD)  IUPAC-17  IUPAC-28  IUPAC-47  IUPAC-49  IUPAC-66  IUPAC-71  IUPAC-77  IUPAC-85  IUPAC-99  IUPAC-100  IUPAC-119  IUPAC-126  IUPAC-138  IUPAC-153  IUPAC-154  IUPAC-156  IUPAC-183  IUPAC-184  IUPAC-191  IUPAC-196  IUPAC-197  IUPAC-206  IUPAC-207  IUPAC-209</p>

	<p>PBB-153          PBEB          pBT          s-DP</p>
<p>MA. 400 - Phé 1.0</p>	<p>Determination of phenolic compounds: quantification by gas chromatography coupled with a mass spectrometer after derivation with acetic anhydride (solids, atmospheric emissions, aqueous liquids)</p> <p>2,3,4,5-Tetrachlorophenol          2,3,4,6-Tetrachlorophenol          2,3,5,6-Tetrachlorophenol          2,3,4-Trichlorophenol          2,3,5-Trichlorophenol          2,3,6-Trichlorophenol          2,3-Dichlorophenol          2,4,5-Trichlorophenol          2,4,6-Trichlorophenol          2,4+2,5-Dichlorophenol          2,4-Dimethylphenol          2,6-Dichlorophenol          2-Chlorophenol          2-Nitrophenol          3,4,5-Trichlorophenol          3,4,5-Trichloroguaiacol*          3,4,5-Trichloroveratrol*          3,4,5-Trichlorocatechol*          3,4,5-Trichlorosyringol*          3,4-Dichlorophenol          3,5-Dichlorocatechol*          3,5-Dichlorophenol          3-Chlorophenol          4,5,6-Trichloroguaiacol*          4,5-Dichlorocatechol*          4,5-Dichloroguaiacol*          4,5-Dichloroveratrole*          4,6-Dichloroguaiacol*          4-Chlorocatechol*          4-Chloroguaiacol*          4-Chloro-3-methylphenol*          4-Chlorophenol          4-Nitrophenol          5,6-Dichlorovanilline*          6-Chlorovanilline*          Catechol*          Eugenol*          Guaiacol*          Iso-eugenol*          m-Cresol          o-Cresol          p-Cresol          Pentachlorophenol          Phenol          Tetrachlorocatechol*</p>

	<p>Tetrachloroguaiacol*</p> <p>Tetrachloroveratrol*</p> <p><i>* Only for aqueous samples</i></p>
MA. 401 - ALD-Tube 1.0	<p>Determination of aldehydes in ambient air sampled on DNPH tube: derivation into a hydrazone type compound and quantification by gas chromatography coupled with a mass spectrometer</p> <p>2-Butanone 2-Butenal 2,5-Dimethylbenzaldehyde Acetaldehyde Acetone Acroleine Benzaldehyde Butanal Formaldehyde Hexaldehyde Isovaleraldehyde Metacroleine o + m-Tolualdehyde Pentanal Propanal p-Tolualdehyde</p>
MA. 401 - COV-Canister (68) 1.0	<p>Determination of volatile organic compounds in ambient air collected with canisters: quantification by gas chromatography coupled with a mass spectrometer</p> <p>1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,4-Trimethylbenzene 1,2,4-Trichlorobenzene 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloropropane 1,2-Dichloro-1,1,2,2-tetrafluoroethane 1,3,5-Trimethylbenzene 1,3-Butadiene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dioxane 1-Ethyl-4-methylbenzene 1-Propene 2-Butanone 2-Hexanone (methylbutylcetone,MBK) 2-Methoxy-2-methyl-propane 2-Propanol 2-Propanone (acetone)</p>

	<p>Acroleïne (2-propenal)  Benzene  Benzyl chloride  Bromomethane  Bromodichloromethane  Carbonyl sulfide  Chlorobenzene  Carbone disulfide  Chloroethane  Chloroethene  Chloromethane  Chloroforme (trichloromethane)  cis-1,2-Dichloroethene  cis-1,3-Dichloropropene  Cyclohexane  Dibromochloromethane  Dichlorodifluoromethane  Dichloromethane  Dimethyl disulfide  Dimethyl sulfide  Ethyl acetate  Ethylbenzene  Hexachloro-1,3-butadiene  Heptane  Hexane  Hydrogen sulfide  Methyl isobutyl cetone (MIBK)  Methyl mercaptan  m-Xylene  o-Xylene  p-Xylene  Tetrachloroethene  Tetrachlorure de carbone  Tetrahydrofurane  trans-1,2-Dichloroethene  trans-1,3-Dichloropropene  Tribromomethane (bromoforme)  Trichloroethene  Trichlorofluoromethane  Toluene  Styrene  Vinyl acetate</p>
<p>MA. 401 - COV-Tubes-Tenax 1.0</p>	<p>Determination of volatile organic compounds in ambient air collected on Tenax tubes: thermal desorption of the tubes followed by quantification by gas chromatography coupled with a mass spectrometer</p> <p>1,1,1,2-Tetrachloroethane  1,1,1-Trichloroethane  1,1,2,2-Tetrachloroethane  1,1,2,2-Tetrachloroethene  1,1,2-Trichloro 1,2,2-trifluoroethane  1,1,2-Trichloroethane  1,1-Dichloroethane</p>

	<p> 1,1-Dichloroethene  1,1-Dichloropropene  1,1-Dimethylethylbenzene  1,2,3-Trichlorobenzene  1,2,3-Trichloropropane  1,2,4-Trichlorobenzene  1,2,4-Trimethylbenzene  1,2-Dibromo-3-chloropropane  1,2-Dibromoethane  1,2-Dichlorobenzene  1,2-Dichloroethane  1,2-Dichloropropane  1,3,5-Trimethylbenzene  1,3-Dichlorobenzene  1,3-Dichloropropane  1,4-Dichlorobenzene  1,4-Dioxane  1-Chloro-2-methylbenzene  1-Chloro-4-methylbenzene  1-Methylpropylbenzene  2,2-Dichloropropane  2-Butanone  2-Chloro-1,3-butadiene (chloroprene)  2-Chloroethyl vinyl ether  3-Chloropropene (Allyl chloride)  Acetone (methyl cetone)  Acrylonitrile  Benzene  Bromobenzene  Bromochloromethane  Bromodichloromethane  Bromoform  Chlorobenzene  Chloroform (Trichloromethane)  Cis-1,2 dichloroethene  Cis-1,3-Dichloropropene  Dibromochloromethane  Dibromomethane  Dichloromethane  Ehtyl acetate  Ethylbenzene  Hexachlorobutadiene  Hexane  Isopropylbenzene  Methyl acetate  m-Xylene  Naphtalene  n-Butylbenzene  n-Propylbenzene  o-Xylene  p-Isopropyltoluene  p-Xylene  Styrene </p>
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	<p>Tetrachlorure de carbone  Toluene (Methyl benzene)  Trans-1,2-dichloroethene  Trans-1,3-Dichloropropene  Trichloroethene  Trichlorofluoromethane</p>
MA. 402 -Barboteur	<p>Determination of semi-volatile organic compounds present in bubblers: quantification by gas chromatography coupled with mass spectrometry, equipped with a headspace type sampler</p> <p>4-methyl-2-pentanone (methylisobutylcetone)  Acetaldehyde  Acetone  Acroleine O-pentafluorophenylmethyl-oxime  Ethanol  Formaldehyde O-pentafluorophenylmethyl-oxime  Methanol  Methyl ethyl cetone (butanone)  PFBHA  Phenol  Propanal</p>
MA. 402 - COV 1.1	<p>Determination of volatile organic compounds in releases into the atmosphere (VOST): thermal desorption followed by quantification by gas chromatography coupled with a mass spectrometer</p> <p>1,1,1,2-Tetrachloroethane  1,1,1-Trichloroethane  1,1,2,2-Tetrachloroethane  1,1,2,2-Tetrachloroethene  1,1,2-Trichloro 1,2,2-trifluoroethane  1,1,2-Trichloroethane  1,1-Dichloroethane  1,1-Dichloroethene  1,1-Dichloropropene  1,1-Dimethylethylbenzene  1,2,3-Trichlorobenzene  1,2,3-Trichloropropane  1,2,4-Trichlorobenzene  1,2,4-Trimethylbenzene  1,2-Dibromo-3-chloropropane  1,2-Dibromoethane  1,2-Dichlorobenzene  1,2-Dichloroethane  1,2-Dichloropropane  1,3,5-Trimethylbenzene  1,3-Dichlorobenzene  1,3-Dichloropropane  1,4-Dichlorobenzene  1,4-Dioxane  1-Chloro-2-methylbenzene  1-Chloro-4-methylbenzene  1-Methylpropylbenzene  2,2-Dichloropropane</p>

	<p>2-Butanone                  2-Chloro-1,3-butadiene (chloroprene)                  2-Chloroethyl vinyl ether                  3-Chloropropene (Allyl chloride)                  Acetone (methyl cetone)                  Acrylonitrile                  Benzene                  Bromobenzene                  Bromochloromethane                  Bromodichloromethane                  Bromoform                  Chlorobenzene                  Chloroform (Trichloromethane)                  Cis-1,2 dichloroethene                  Cis-1,3-Dichloropropene                  Dibromochloromethane                  Dibromomethane                  Dichloromethane                  Ethyl acetate                  Ethylbenzene                  Hexachlorobutadiene                  Hexane                  Isopropylbenzene                  Methyl acetate                  m-Xylene                  Naphtalene                  n-Butylbenzene                  n-Propylbenzene                  o-Xylene                  p-Isopropyltoluene                  p-Xylene                  Styrene                  Tetrachlorure de carbone                  Toluene (Methyl benzene)                  Trans-1,2-dichloroethene                  Trans-1,3-Dichloropropene                  Trichloroethene                  Trichlorofluoromethane</p>
MA. 405 - Formaldehyde	Determination of formaldehyde by gas chromatography coupled with a mass spectrometer (solids)
MA. 413 - Halocarbure	<p>Determination of halocarbons in pressurized samples by gas chromatography coupled with two detectors: flame ionization and mass spectrometry (liquid waste)</p> <p>1,1,1-Trifluoroethane                  1,1,2-Trichloro-1,2,2-trifluoroethane                  1,1-Dichloro-1-fluoroethane                  1,1-Difluoroethane                  1-Chloro-1,1-difluoroethane                  2-Chloro-1,1,1,2-tetrafluoroethane                  2,2-Dichloro-1,1,1-trifluoroethane                  Chlorodifluoromethane</p>

	Dichlorodifluoromethane Pentafluoroethane Tetrafluoroethane Trichlorofluoromethane
MA. 414 - Aci-g-r 1.0	Determination of fatty and resin acids: quantification by gas chromatography coupled with a mass spectrometer after derivation with BSTFA (pulp and paper effluents)  Abietic acid Chlorodehydroabietic-I acid Chlorodehydroabietic-II acid Dehydroabietic acid Dichlorodehydroabieticacid Dichlorostearic acid Isopimaric acid Levopimaric acid Linoleic acid Linolenic acid Neoabietic acid Oleic acid Palmitic acid Palmitoleic acid Palustric acid Pimaric acid Sandaracopimaric acid Stearic acid
MA. 415 - HGT 2.0	Determination of oils and greases in water: gravimetric method

Number of Scope Listings: 59

**Notes:**

**ISO/IEC 17025:2017:** General Requirements for the Competence of Testing and Calibration Laboratories

**MA:** CEAEQ internal analysis method

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