



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3154

**Laboratory Name:** Gruentec Cia. Ltda.

**Parent Institution:**

**Address:** Los Rosales Lote #6 y Via Ferrea San Juan de Cumbaya Quito, Pichincha

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**Standard:** Conforms with requirements of ISO/IEC 17025

**Clients Served:** All Interested Parties

**Revised On:** August 11, 2008

**Valid To:** February 20, 2011

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### Scope of Accreditation

#### Soil/Sediment

Polycyclic Aromatic Hydrocarbons (PAH) - Soil (017)

AG-22B; based on EPA 8270 C

GC/MS

RDL Range

Benzo (a) anthracene

Benzo (a) pyrene

Benzo (b) fluoranthene

Benzo (g,h,i) perylene

Benzo (k) fluoranthene

Fluoranthene

Indeno (1,2,3 - cd) pyrene

Phenanthrene

Pyrene

#### Water (Inorganic)

Alkalinity - Water (001)

AG-09; based on APHA 2320

TITRIMETRIC

RDL Range

Alkalinity (pH 4.5)

#### Water (Inorganic)

Ammonia - Water (002)

AG-15B; based on EPA 350.3

SELECTIVE ION ELECTRODE

RDL Range

Ammonia

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

**Water (Inorganic)**

Biochemical Oxygen Demand (BOD) - Water (003)  
AG-19A; based on APHA 5210 D  
RESPIROMETRIC  
BOD (5 day)

RDL Range

**Water (Inorganic)**

Chemical Oxygen Demand (COD) - Water (005)  
AG-18A; based on HACH 8000 AND EPA 410.4  
COLORIMETRIC - DIGESTION  
COD

RDL Range

**Water (Inorganic)**

Conductivity - Water (006)  
AG-02; based on USEPA SW-846, METHOD 9050 A  
CONDUCTIVITY METER  
Conductivity (25°C)

RDL Range

**Water (Inorganic)**

pH - Water (011)  
AG-01; based on APHA 4500-H+  
pH METER  
pH

RDL Range

**Water (Inorganic)**

Phosphate - Water (020)  
AG/S-37; based on EPA 300.1  
ION CHROMATOGRAPHY  
Chloride  
Fluoride  
Nitrate  
Nitrite  
Phosphate  
Sulfate

RDL Range

**Water (Inorganic)**

Total Suspended Solids (TSS) - Water (013)  
AG-05; based on APHA 2540 D  
GRAVIMETRIC  
Total Suspended Solids

RDL Range

**Water (Organic)**

OC Pesticides - Water (019)  
AG-24A; based on EPA 8270 C  
GC/MS - EXTRACTION  
A -BHC  
a - Chlordane  
Aldrin  
Beta-BHC  
C-Cyhalothrin  
Captan  
Chlorothalonil

RDL Range

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Cyfluthrin  
 Cyperuethrin  
 Delta-HCH  
 Deltaculthrin  
 Dieldrin  
 Endosulfan I  
 Endosulfan II  
 Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Endrin Ketone  
 Folpet  
 g - Chlordane  
 Heptachlor (Parameter suspended on 8/11/2008)  
 Heptachlor Epoxide  
 Lindane (gamma-BHC)  
 Oxyfluorfen  
 p,p' - DDT  
 p,p' Methoxychlor  
 Peruethrin  
 pp-DDD  
 pp-DDE  
 Quilutozene

**Water (Organic)**

Organophosphorus Pesticides (OP) - Water (018)  
 MM-AG/S/VEG-27; based on EPA 8270 C

GC/MS RDL Range

Atrazine  
 Carbaryl  
 Carbofuran  
 Chlorpyrifos (ethyl)  
 Diazinon  
 Dimethoate  
 Diuron  
 Malathion  
 Metolachlor  
 Metribuzin  
 Parathion (ethyl)  
 Simazine  
 Terbufos  
 Trifluralin

**Water (Organic)**

Polycyclic Aromatic Hydrocarbons (PAH) - Water (016)  
 AG-22; based on EPA 8270 C

GC/MS RDL Range

Benzo (a) anthracene  
 Benzo (a) pyrene  
 Benzo (b) fluoranthene  
 Benzo (g,h,i) perylene  
 Benzo (k) fluoranthene  
 Fluoranthene  
 Indeno (1,2,3 - cd) pyrene  
 Phenanthrene

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## Pyrene

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