

SCOPE OF ACCREDITATION

MAXXAM ANALYTICS
6740 Campobello Road
Mississauga, ON
L5N 2L8

Accredited Laboratory No. 97

(Conforms with requirements of CAN-P-1585, CAN-P-1587 , CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTS SERVED: All interested parties

FIELDS OF TESTING: Biological, Chemical/Physical

PROGRAM SPECIALTY AREA: Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP) , Environmental, Environmental (OSDWA)

ISSUED ON: 2012-01-24

VALID TO: 2014-10-06

NON METALLIC MINERALS AND PRODUCTS

Petroleum Refinery Products: (Including asphalt materials; petrochemicals; fuels and lubricants)
Fuels and Lubricants
are performed at the following location:
Maxxam Analytics, PETROCHEMICAL LABORATORY
4141 Sladeview Crescent Unit 10
Mississauga, ON

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products: (Human and Animal Consumption)

(Animal Tissue, Animal Derived Foods (Dairy, Honey, Eggs), Meat, Fish, Seafood, Fresh and Processed Fruit and Vegetables, Urine, Veal)

CAM SOP 00408	ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Phosphorus Potassium Sodium Sulphur Zinc
CAM SOP 00440	Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA Nitrate Nitrite
CAM SOP 00447	ICPMS Metals in Waters, Foods, Solids, Swabs and Biota Aluminum Arsenic Barium Boron Cadmium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Phosphorus Potassium Selenium Sodium Tin Titanium Zinc
CAM SOP 00453	Mercury in Water, Solids, Sludge and Food by Cold Vapour A.A.
CAM SOP-00756	Perchlorate in Food by LCMSMS

(Fish and Seafood)

BRL SOP-00402	Dioxins/Furans by HRGC HRMS in Food Products (Modified SW846/8290, EPA1613, EPS1/RM/19, 23) 1,2,3,4,6,7,8,9-C18-Dibenzofuran 1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin 1,2,3,4,6,7,8-C17-Dibenzofuran 1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin 1,2,3,4,7,8,9-C17-Dibenzofuran 1,2,3,4,7,8-C16-Dibenzofuran 1,2,3,4,7,8-C16-Dibenzo-p-dioxin 1,2,3,6,7,8-C16-Dibenzofuran 1,2,3,6,7,8-C16-Dibenzo-p-dioxin 1,2,3,7,8,9-C16-Dibenzofuran 1,2,3,7,8,9-C16-Dibenzo-p-dioxin 1,2,3,7,8-C15-Dibenzofuran 1,2,3,7,8-C15-Dibenzo-p-dioxin 2,3,4,6,7,8-C16-Dibenzofuran 2,3,4,7,8-C15-Dibenzofuran 2,3,7,8-C14-Dibenzofuran 2,3,7,8-C14-Dibenzo-p-dioxin H6CDD H6CDF H7CDD H7CDF O8CDD O8CDF P5CDD P5CDF PCDD/PCDF T4CDD T4CDF
BRL SOP-00403	PCB Congeners (209 analytes) by HRGC HRMS in Food Product (Modified USEPA Method 1668, MOE Method DFPCB-E3418, and Environment Canada Method EPS1/RM)
BRL SOP-00423	PAHs by HRGC HRMS in Food Products (Modified EPA 3540C, CARB 429) 2-chloronaphthalene 2-Methyl naphthalene Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene

Benzo(e) pyrene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
Bibenz(a,h)anthracene
Chrysene
Coronene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene

(Food Chemistry - General)

CAM SOP 00408	ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Only for: Calcium Copper Chromium Iron Magnesium Manganese Molybdenum Phosphorus Potassium Sodium Sulphur Zinc
CAM SOP 00413	Measurement of pH in Water, Soils and Food Samples
CAM SOP 00423	The Determination of Brookfield Viscosity in Food
CAM SOP 00448	Alkalinity in Water, Conductivity in Water and Soil, pH in Water Soil and Food and Fluoride in Water Soil and Food by automated PC-Titration. Fluoride
CAM SOP 00700	Determination of Cholesterol in Foods, Feeds and Oils by GC/FID
CAM SOP 00701	Determination of Fat in Meat by Gravimetry
CAM SOP 00702	Determination of Fatty Acids in Fats and Oils by GC/FID
CAM SOP 00703	Determination of Sodium Chloride in Food and Feed Products by Titration
CAM SOP 00705	Determination of Fat in Foods using Soxhlet Extraction
CAM SOP 00706	Determination of Fat in Foods using Acid Hydrolysis
CAM SOP 00707	Total Dietary Fibre Soluble Fibre and Insoluble Fibre in Foods by Gravimetry
CAM SOP 00708	Determination of Sugars in Foods by Refractive Index
CAM SOP 00709	Vitamin A and B-Carotene in Food by HPLC

CAM SOP 00710	The Determination of Fat by the Modified Mojonnier Method in Milk, Cream, Milkshake Mix and Confectionary Products
CAM SOP 00711	Determination of Protein in Foods, Feeds and Edible Oils by Combustion
CAM SOP 00712	Vitamin E in foods, feeds, milk, and other dairy products by Capillary GC
CAM SOP 00713	Determination of Ash in Food and Food Products by Gravimetry
CAM SOP 00714	Determination of Acidity in Food and Food Products by Titration
CAM SOP 00715	Determination of Moisture and Total Solids in Food and Food Products by Gravimetry
CAM SOP 00716	Determination of Starch in Food by Spectrophotometry
CAM SOP 00717	Determination of Peroxide Value of Oils and Fats by Titration
CAM SOP 00718	Sulfites in Food and in Seafood by Gravimetry
CAM SOP 00719	Determination of Vitamin D-3 (Cholecalciferol) in Food Products by HPLC
CAM SOP 00722	The Determination of TBA Value in Foods by Spectrophotometry
CAM SOP 00724	Determination of Vitamin C in Complex Foodstuffs Using HPLC with Electrochemical Detector (Modified QFCL-001-01)
CAM SOP 00732	Determination of Water Activity in Food by Aqualab Water Activity Meter
CAM SOP 00734	Allergens, Mycotoxins and Histamine in Foods and Swabs using ELISA
CAM SOP 00739	Brix (Soluble Solids) in Foods, Juices and Honey by Refractometer
CAM SOP 00740	Sorbic and Benzoic Acids by HPLC in Food and Beverages
CAM SOP 00742	Determination of Nitrite in Food using Spectrophotometer
CAM SOP 00743	Determination of Viscosity in Foods using the Bostwick Consistometer
CAM SOP 00750	Determination of Total Folates (Vitamin B9) in Foods by Assay
CAM SOP 00751	Determination of Niacin (Vitamin B3) in Food by Assay
CAM SOP 00752	Determination of Pantothenic Acid (Vitamin B5) in Food by Assay
CAM SOP 00754	Determination of Cobalamin (Vitamin B12) in Food by Assay
CAM SOP 00755	Determination of Pyridoxine (Vitamin B6) in Foods by Microbiology Assay
CAM SOP 00874	Analysis of Melamine and Cyanuric Acid in Food by LC/MS/MS
CAM SOP 00882	Determination of Thiamine (Vitamin B1) in Foods by Fluorometry
CAM SOP 00884	Determination of Riboflavin (Vitamin B2) in Foods by Fluorometry
CAM SOP 00885	Analysis of Acrylamide in Food by LCMSMS

(Microbiological)

AOAC RI 030502	BAX® System PCR Assay for Screening Listeria genus in Food Samples and Environmental Samples using the 2-Step Enrichment Method (CAM SOP-00574)
AOAC RI 050903/AFNOR QUA	Dupont Qualicon BAX® System PCR Assay L.monocytogenes

18/06-07/08	24E
AOAC RI080901/AFNOR QUA 18/05-07/08	Dupont Qualicon BAX® System PCR Assay Genus <i>Listeria</i> 24E
APHA Chapter 31	Isolation and Identification of Thermophilic <i>Campylobacter</i> from Foods (CAM SOP-00540)
FDA BAM	Isolation and Identification of <i>Salmonella</i> in Food and Environmental Samples Following the FDA-BAM Method (CAM SOP-00568)
MFHPB-18	Determination of the Aerobic Colony Count in Foods (CAM SOP-00502)
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods (CAM SOP-00504)
MFHPB-20	Methods for the Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples (CAM SOP-00505)
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods (CAM SOP-00515)
MFHPB-22	Enumeration of Yeasts and Molds in Foods (CAM SOP-00517)
MFHPB-23	Enumeration of <i>Clostridium perfringens</i> in Foods (CAM SOP-00527)
MFHPB-27	Enumeration of <i>Escherichia coli</i> in Foods by the Direct Plating (DP) Method (CAM SOP-00590)
MFHPB-29	Detection of <i>Listeria</i> spp. in foods and environmental samples by the VIDAS <i>Listeria</i> method (COR SOP-00016)
MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp from foods and environmental samples (CAM SOP-00506)
MFHPB-31	Determination of Coliforms in Foods Using Violet Red Bile Agar (CAM SOP-00507)
MFHPB-32	Enumeration of Yeast and Mold in Food Products and Food Ingredients Using 3M™ Petrifilm™ Yeast and Mold Count Plates (CAM SOP-00589)
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates (CAM SOP-00588)
MFHPB-34	Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Plates (CAM SOP-00516)
MFHPB-35	Enumeration Of Coliforms In Food Products And Food Ingredients Using 3M™ Petrifilm™ Coliform Count Plates (CAM SOP-00580)
MFLP-15	The Dupont Qualicon Bax® System Method for the Detection of <i>Listeria</i> Species from Environmental Surfaces (CAM SOP-00574)
MFLP-21	Enumeration of <i>Staphylococcus aureus</i> in Foods and Environmental Samples Using 3M™ Petrifilm™ Staph Express Count (STX) Plates (CAM SOP-00569)
MFLP-25	Isolation and Identification of <i>Shigella</i> spp. from Food (COR SOP-00013)
MFLP-28	The Qualicon Bax® System Method for the Detection of <i>Listeria Monocytogenes</i> in a Variety of Food (CAM SOP-00574)

MFLP-29	The Qualicon Bax® System Method for the Detection of Salmonella in a Variety of Food and Environmental Samples (CAM SOP-00574)
MFLP-30	The Dupont Qualicon Bax® System Method for the Detection of E. coli O157:H7 in Raw Beef and Fruit Juice (CAM SOP-00574)
MFLP-33	Detection of <i>Listeria monocytogenes</i> in foods by the VIDAS LMO 2 method (COR SOP-0015)
MFLP-39	Detection of <i>Listeria</i> spp. From Environmental Surfaces Using iQ-Check™ <i>Listeria</i> spp. Real-Time PCR Test Kit (CAM SOP-00585)
MFLP-42	Enumeration of <i>Bacillus cereus</i> in Foods (CAM SOP-00525)
MFLP-46	Isolation of Thermophilic <i>Campylobacter</i> from Food (COR SOP-00014)
MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in Foods (CAM SOP-00521)
MFLP-76	The DuPont Qualicon BAX® System real time method for the detection of E.coli O157:H7 in raw beef trim and ground beef (CAM SOP-00587)
MFLP-77	Detection of <i>Listeria</i> spp. in food products and environmental samples by the VIDAS® <i>Listeria</i> species Xpress (LSX) method (COR SOP-0005)
MFLP-80	Isolation of E. coli O157:H7 or NM in Foods (CAM SOP-00522)
MFLP-83	Detection of Verotoxins VT 1 And VT 2 by The Merck Duopath® Verotoxin Kit (CAM SOP-00577)
MFLP-87	Detection of Enterohemorrhagic E. coli (EHEC) in Food Products and Food Ingredients by the VIP for EHEC Method (CAM SOP-00522)
MFLP-9	Enumeration of <i>Enterobacteriaceae</i> Species in Food and Environmental Samples Using 3M™ Petrifilm™ Enterobacteriaceae Count Plates (CAM SOP-00572)
MFLP-90	IDENTIFICATION OF <i>E. COLI</i> O157 BY DYNABEADS® ANTI- <i>E. COLI</i> O157
MLG 4.00 (Current Version)	FSIS Procedure for the Isolation and Identification of Salmonella from Meat, Poultry and Egg Products (CAM SOP-00520)
MLG 4C.00 (Current Version)	FSIS Procedure for the Use of the BAX System, PCR Assay for Screening Salmonella in Raw Meat, Carcass Sponge Samples, Whole Bird Rinses, Ready to Eat Meat and Poultry Products, and Pasteurized Egg Products (CAM SOP-00574)
MLG 5A.00 (Current Version)	FSIS Procedure for the Use of Escherichia coli O157:H7 Screening Tests (CAM SOP-00575)
MLG41.00 (current version)	Isolation, Identification, and Enumeration of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse and Sponge Samples (CAM SOP-00584)

Animal or Vegetable Fats and Oils and Their Cleavage Products; prepared edible fats; animal or vegetable waxes

Beverages, Spirits and Vinegar

CAM SOP-00739	Brix (Soluble Solids) in Foods, Juices and Honey by Refractometer
CAM SOP-00740	Sorbic and Benzoic Acids by HPLC in Food and Beverages

Dairy Products

See Animal Tissue, Animal Derived Foods (Dairy, Honey, Eggs), Meat, Fish, Seafood, Fresh and Processed Fruit and Vegetables, Urine, Veal

CAM SOP-00736	Determination of Udenatured Whey Protein Nitrogen in Non Fat Dry Milk by Spectrophotometry
CAM SOP-00737	Determination of Solubility Index by Volumetric Analysis
CAM SOP-00738	Determination of Scorched Particles Using Water Disc Method

Edible Fruits and Nuts

See Fresh and Processed Fruit and Vegetables

Edible Vegetables and Certain Roots and Tubers

See Fresh and Processed Fruit and Vegetables

Meat and Edible Meat Offal

(Meat and Meat Products (See Animal Tissue, Animal Derived Foods (Dairy, Honey, Eggs), Meat, Fish, Seafood, Fresh and Processed Fruit and Vegetables, Urine, Veal))

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental

Air

BRL SOP-00103	Metals by ICP/MS in Water, Soil, Air and Biota (Modified NIOSH 7300, 6009)
	Antimony
	Arsenic
	Barium
	Beryllium
	Bismuth
	Boron
	Cadmium
	Calcium
	Chromium
	Cobalt
	Copper

	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Phosphorus
	Potassium
	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Thallium
	Tin
	Titanium
	Tungsten
	Vanadium
	Zinc
BRL SOP-00104	Mercury by CVAAS in Water, Soil ,Air and Biota
	Mercury (Hg)
BRL SOP-00105	Anions by IC in Water, Soil and Air
	Bromide
	Chloride
	Fluoride
	Nitrite
	Phosphate
	Sulfate
BRL SOP-00106	Hexavalent Chromium by IC in Air
	Chromium VI
BRL SOP-00107	Ammonia in Air by IC (Based on EPA CTM-027, EPA Method 206)
	Ammonia (as NH ₄ ⁺)
BRL SOP-00108	Anions From Emission Sampling Trains by IC (Modified EPA 26/26A, EPA SW846 9057)
	Bromine
	Chlorine
	Fluorine
	Hydrogen Bromide
	Hydrogen Chloride
	Hydrogen Fluoride
	Hydrogen Iodide
	Iodine
	Nitric Acid

BRL SOP-00109

Gravimetric Determination of PM Emission from Stationary Sources and Air

Particulates of Filters, Gravimetric

BRL SOP-00200

Semivolatiles Full Scan by GCMS in Water, Soil and Stack Gas Samples (Modified EPA SW846 8270C, 3510C, 3540C, 3640A, 0010)

1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1-Chloronaphthalene
1-Methylnaphthalene
2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,4-Trichlorophenol
2,3,5,6-Tetrachlorophenol
2,3,5-Trichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dichlorophenol
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol (o-Cresol)
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3+4 Methylphenol (m+p-Cresol)
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl Phenyl Ether
4-Chloro-3-Methylphenol
4-Chloroaniline
4-Chlorophenyl Phenyl Ether
4-Nitroaniline
4-Nitrophenol
5-Nitroacenaphthene
Acenaphthene
Acenaphthylene
Aniline

Anthracene
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Benzoic Acid
Benzyl Alcohol
Benzyl Butyl Phthalate
Biphenyl
Bis (2-chloroethoxy)Methane
Bis (2-chloroethyl) Ether
Bis (2-chloroisopropyl) Ether
Bis (2-ethylhexyl) Phthalate
Camphene
Carbazole
Chrysene
Dibenzo (a,h) anthracene
Dibenzofuran
Diethyl Phthalate
Dimethyl Phthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Diphenylether
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3-cd) pyrene
Indole
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine (NDMA)
N-Nitroso-di-N-Propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Perylene
Phenanthrene
Phenol
Pyrene
PAHs by SIM GCMS in Water, Soil and Air (Modified CARB
429)

BRL SOP-00201

2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Anthracene
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (e) pyrene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Benzo(b) fluoranthene
Chrysene
Dibenzo (a,h) anthracene
Fluoranthene
Fluorene
Indeno (1,2,3 cd) pyrene
Naphthalene
Perylene
Phenanthrene
Pyrene

BRL SOP-00211

Aldehydes, Ketones and Alcohols in Impingers by GC FID
(Modified NCASI METHOD IM/CAN/WP-99.01)

Acetone
Acrolein
Methanol
Methyl ethyl ketone
Methyl Isobutyl Ketone
Phenol
Propionaldehyde

BRL SOP-00300

Volatiles on Thermal Desorption Tubes in Air by GCMS
(Modified T017)

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2-Trichlorotrifluoroethane
1,1,-Dichloroethene
1,1-Dichloroethane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromoethane
1,2-Dichloroethane
1,2-Dichloroethene (cis)
1,2-Dichloropropane
1,2-Dichlorotetrafluoroethane
1,3,5-Trimethylbenzene
Benzene

Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chloroform
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Ethyl Benzene
Ethyl Chloride
Hexachlorobutadiene
m/p-xylene
m-Dichlorobenzene
Methyl chloride
Methylene Chloride
o-Dichlorobenzene
o-xylene
p-Dichlorobenzene
Styrene
Tetrachloroethene
Toluene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl Chloride
Volatiles in Summa Canisters by GCMS (Modified EPA TO-14A
AND TO-15)
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3,5-Trimethylbenzene
1,3-Butadiene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dioxane
2,2,4-Trimethylpentane
2-Butanone (MEK)
2-Hexanone
2-Propanol
4-Ethyltoluene

BRL SOP-00304

4-Methyl-2-Pentanone
Acetone
Allyl Chloride
Benzene
Benzyl chloride
Bis (2-Chloroethyl) Ether
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dibromomethane
Dichlorodifluoromethane
Ethanol
Ethyl Acetate
Ethyl acrylate
Ethyl Benzene
Ethyl Bromide
Ethylene Dibromide
Halocarbon 113
Halocarbon 114
Heptane
Hexachlorobutadiene
Hexane
Methyl Methacrylate
Methyl Tertbutyl Ether
Methylene Chloride
m-xylene
o-xylene
Propene
p-xylene
Styrene
Tetrachloroethene
Tetrahydrofuran
Toluene
trans 1,2-Dichloroethene
trans 1,3-Dichloropropene

	trans-1,2-Dichloropropene
	Trichloroethene
	Trichlorofluoromethane
	Vinyl Acetate
	Vinyl Bromide
	Vinyl Chloride
	Xylenes (total)
BRL SOP-00408	PCB Congener (209 Analytes) by HRGC HRMS in Water, Soil and Air (Modified EPA 1668A)
CAM SOP-00309	Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD
	Aroclor 1016
	Aroclor 1221
	Aroclor 1232
	Aroclor 1242
	Aroclor 1248
	Aroclor 1254
	Aroclor 1260
	Aroclor 1262
	Aroclor 1268

(PCDD/PCDF - Air)

BRL SOP-00404	Dioxins and Furans by HRGC HRMS in Air Samples (Modified EPA 40CFR PART 60 APP. A METHOD 23/23A)
	1,2,3,4,6,7,8,9-C18-Dibenzofuran
	1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin
	1,2,3,4,6,7,8-C17-Dibenzofuran
	1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin
	1,2,3,4,7,8,9-C17-Dibenzofuran
	1,2,3,4,7,8-C16-Dibenzofuran
	1,2,3,4,7,8-C16-Dibenzo-p-dioxin
	1,2,3,6,7,8-C16-Dibenzofuran
	1,2,3,6,7,8-C16-Dibenzo-p-dioxin
	1,2,3,7,8,9-C16-Dibenzofuran
	1,2,3,7,8,9-C16-Dibenzo-p-dioxin
	1,2,3,7,8-C15-Dibenzofuran
	1,2,3,7,8-C15-Dibenzo-p-dioxin
	2,3,4,6,7,8-C16-Dibenzofuran
	2,3,4,7,8-C15-Dibenzofuran
	2,3,7,8-C14-Dibenzofuran
	2,3,7,8-C14-Dibenzo-p-dioxin
	H6CDD
	H6CDF
	H7CDD

H7CDF
O8CDD
O8CDF
P5CDD
P5CDF
PCDD/PCDF
T4CDD
T4CDF

(Volatiles - Air)

BRL SOP-00302

VOST Analyses by GCMS in Air (Modified EPA SW846 5041 A, 8260)

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,2,3-Trichloropropane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Difluorobenzene
2-Butanone
2-Hexanone
4-Methyl-2-Pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Ethyl Benzene
Ethylene Dibromide
Iodomethane
Methylene Chloride

Styrene
Tetrachloroethene
Toluene
Trans-1,2-Dichloroethylene
Trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Xylenes

Air Filter

CAM SOP-00408

ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge
Antimony
Arsenic
Barium
Beryllium
Bismuth
Boron
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Lithium
Magnesium
Manganese
Molybdenum
Nickel
Phosphorus
Potassium
Selenium
Silicon
Silver
Sodium
Strontium
Tin
Titanium
Total and Dissolved Metals
Total and Dissolved Metals
Total and Dissolved Metals
Tungsten

Vanadium

Zinc

Biosolids

MICROBIOLOGY (Biosolids)

CAM SOP-00522 Isolation of E. coli 0157:H7 or NM in Foods and Biosolids

Oil

CAM SOP-00328 Polychlorinated Biphenyls in Oil Samples (PCBs) by GC/ECD
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Total PCB

Paint

CAM SOP 00408 ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge
Lead

Soil/Sediment

BRL SOP-00406 Dioxins and Furans by HRGC HRMS in Water and Soil (Modified EPA SW846 8290)
1,2,3,4,6,7,8,9-C18-Dibenzofuran
1,2,3,4,6,7,8,9-C18-Dibenzo-p-dioxin
1,2,3,4,6,7,8-C17-Dibenzofuran
1,2,3,4,6,7,8-C17-Dibenzo-p-dioxin
1,2,3,4,7,8,9-C17-Dibenzofuran
1,2,3,4,7,8-C16-Dibenzofuran
1,2,3,4,7,8-C16-Dibenzo-p-dioxin
1,2,3,6,7,8-C16-Dibenzofuran
1,2,3,6,7,8-C16-Dibenzo-p-dioxin
1,2,3,7,8,9-C16-Dibenzofuran
1,2,3,7,8,9-C16-Dibenzo-p-dioxin
1,2,3,7,8-C15-Dibenzofuran
1,2,3,7,8-C15-Dibenzo-p-dioxin

	2,3,4,6,7,8-C16-Dibenzofuran
	2,3,4,7,8-C15-Dibenzofuran
	2,3,7,8-C14-Dibenzofuran
	2,3,7,8-C14-Dibenzo-p-dioxin
	H6CDD
	H6CDF
	H7CDD
	H7CDF
	O8CDD
	O8CDF
	P5CDD
	P5CDF
	PCDD
	PCDF
	T4CDD
	T4CDF
BRL SOP-00408	PCB Congener Analysis by HRGC HRMS in Water, Soil and Air (Modified EPA 1668A)
	209 PCB Congeners
CAM SOP-000315	Determination of CCME C6-C10 Hydrocarbons (F1) BTEX in Soil and Water by Headspace-GC/MS/FID BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
	F1: C6-C10
	BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
	F1: C6-C10
CAM SOP-00226	Volatile Organic Compounds by Purge and Trap or Headspace GC/MS in Water and Soil
	1,1,1,2-Tetrachloroethane
	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
	1,4-Dioxane
	2-Hexanone
	Acetone
	Benzene
	Bromodichloromethane
	Bromoform
	Bromomethane

Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Dichlorodifluoromethane
Dichloromethane
Ethylbenzene
Hexane
m/p-xylene
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Methyl Tertbutyl Ether
o-xylene
Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride

CAM SOP-00301

Determination of Semivolatile Organics (Acid / Base Neutral Extractables) in Solid And Aqueous Samples Using GC/MS operating under both the Full Scan and Selected Ion Monitoring (SIM) Modes

1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1-Methylnaphthalene
2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,4-Trichlorophenol
2,3,5,6-Tetrachlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,3-Dichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichloro Phenol

2,4-Dimethyl Phenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,5-Dichlorophenol
2,6-Dichlorophenol
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Nitrophenol
3,3'-Dichlorobenzidene
3,4,5-Trichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol
3-Chlorophenol
4,6-Dinitro-O-Cresol
4-Bromophenyl Phenyl Ether
4-Chloroaniline
4-Chlorophenol
4-Chlorophenyl Phenyl Ether
4-Nitrophenol
7,12-Dimethylbenzo (a) anthracene
Acenaphthene
Acenaphthylene
Amytryne
Anthracene
Atrazine
Benzidene
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (e) pyrene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Biphenyl
Bis (2-Chloro Ethoxy) Methane
Bis (2-Chloro Ethyl) Ether
Bis (2-Chloro Isopropyl) Ether
Bis (2-ethylhexyl) Phthaltate
Butyl Benzyl Phthalate
Chrysene
Cyanazine
Diazinon
Dibenzo (a,h) anthracene
Diethyl Phthalate

Dimethyl Phthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3 - cd) pyrene
Isophorone
m/p-cresol
Malathion
Metribuzin
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitroso-Di-N Propyl Amine
N-Nitroso-Diphenylamine/Diphenylamine
o-Cresol
Parathion Ethyl
Parathion Methyl
P-Chloro-M-Cresol
Pentachloro-phenol
Phenanthrene
Phenol
Prometon
Prometryn
Prometryne
Propazine
Pyrene
Simazine
Simetryn
Terbutryn

CAM SOP-00307, CAM
SOP-00309, CAM SOP-00317

Organochlorine Pesticides and PCBs in Solids, Water and
Biological Materials by GC-ECD, Polychlorinated Biphenyls
(PCBs) as Aroclors in Solid, Water, and Biological Samples by
GC-ECD, and Neutral Chlorinated Hydrocarbons in Solid and
Water by GC/ECD
1,2,3,4-Tetrachlorobenzene
1,2,3,5-Tetrachlorobenzene
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
1,3,5-Trichlorobenzene
2,4,5-Trichlorotoluene
a-BHC

a-Chlordane
Aldrin
Aroclor 1016
Aroclor 1221
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
b-BHC
d-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
g-Chlordane
Heptachlor
Heptachlor Epoxide
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Lindane
Methoxychlor
Mirex
o,p' DDD
o,p' DDE
o,p'-DDT
Octachlorostyrene
Oxychlordane
p,p'-DDD
p,p'-DDE
p,p'-DDT
Pentachlorobenzene
Total PCB

CAM SOP-00315

The Determination of CCME Extractable Petroleum
BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
F1: C6-C10

CAM SOP-00316

The Determination of CCME Extractable Petroleum
F2: C10-C16
F3: C16-C34
F4: C34-C50

	F4G
CAM SOP-00318	Determination Of Polynuclear Aromatic Hydrocarbons (PAHs) In Solid And Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene 2-methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b,j) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenzo (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene
CAM SOP-00320	The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 2-Nitrotoluene 3-Nitrotoluene 4-Amino-2,6-dinitrotoluene 4-Nitrotoluene Hexahydro-1,3,5-trinitro-1,3,5-triazine Methyl-2,4,6-trinitrophenylnitramine Nitrobenzene Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
CAM SOP-00322	The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC FID Diethylene Glycol Ethylene Glycol Propylene Glycol
CAM SOP-00323	Total Petroleum Hydrocarbons Soxhlet Extraction Method for Soil Sample
CAM SOP-00324	Oil and Grease Soxhlet Extraction Method for Soil Sample

CAM SOP-00327	Analysis of Diquat and Paraquat in Water by HPLC-UV Detector Using Aqueous Ionic Mobile Phase Diquat Paraquat
CAM SOP-00330	Determination of Phenoxy Acid Herbicides and related compounds in Aqueous and Solid Samples Using Selected Ion Monitoring (SIM) GC/MS 2,4,5-T 2,4,5-TP 2,4-D 2,4-DB 2,4-DP (dichlorprop) 3,5-dichlorobenzoic acid Acifluorfen Bentazon Chloramben DCPA Diacid Dicamba Dinoseb (DNBP) MCPA MCP Pentachlorophenol Picloram
CAM SOP-00332	Determination of Chlorinated Phenols in Soil and Water Using Selected Ion Monitoring (SIM) GC/MS 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,4-Trichlorophenol 2,3,5,6-Tetrachlorophenol 2,3,5-Trichlorophenol 2,3,6-Trichlorophenol 2,3-Dichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2,5-Dichlorophenol 2,6-Dichlorophenol 2-Chlorophenol 2-Nitrophenol 3,4,5-Trichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol 4,6-Dinitro-2-methylphenol 4-Chloro-3-Methylphenol

	4-Chlorophenol
	4-Nitrophenol
	m/p-Cresol
	o-Cresol
	Pentachlorophenol
	Phenol
CAM SOP-00408	ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge
	Total and Dissolved Metals
	Aluminum
	Antimony
	Arsenic
	Barium
	Beryllium
	Bismuth
	Boron
	Cadmium
	Calcium
	Chromium
	Cobalt
	Copper
	Iron
	Lead
	Lithium
	Magnesium
	Manganese
	Molybdenum
	Nickel
	Phosphorus
	Potassium
	Selenium
	Silver
	Sodium
	Strontium
	Sulfur
	Thallium
	Tin
	Titanium
	Tungsten
	Vanadium
	Zinc
CAM SOP-00413	Measurement of pH in Water, Soils and Food Samples
CAM SOP-00414	Measurement of Electrical Conductivity in Biosolids and Soil Extracts
	Conductivity (25°C)

CAM SOP-00420	Hexavalent Chromium Waters and Solids by Colourimetry
CAM SOP-00432	Ignitability of Solids
CAM SOP-00435	Anions in Food, Soil, Water and Air by Ion Chromatography Bromide Chloride Fluoride Nitrate Nitrite (NO ₂) PO ₄ Sulfate
CAM SOP-00436	Hexavalent Chromium by IC in Water and Soil
CAM SOP-00440	Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA Nitrate (NO ₃) Nitrite (NO ₂)
CAM SOP-00441	Ammonia in Waters Biosolids and Soil Samples by Colourimetry Ammonia
CAM SOP-00444	Analysis of Phenolics in Water and Soil Colorimetric Automated 4-AAP Phenolics
CAM SOP-00445	Determination of Moisture Content Solids by Gravimetry
CAM SOP-00447	ICPMS Metals in Waters, Foods, Solids, Swabs and Biota Total and Dissolved Metals Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium

	Selenium
	Silver
	Sodium
	Strontium
	Tellurium
	Thallium
	Thorium
	Tin
	Titanium
	Tungsten
	Uranium
	Vanadium
	Zinc
	Zirconium
CAM SOP-00448	Alkalinity in Water, Conductivity in Water and Soil, pH in Water Soil and Food and Fluoride in Water Soil and Food by automated PC-Titration.
	Fluoride
CAM SOP-00453	Mercury in Water, Solids, Sludge and Food by Cold Vapour A.A
	Mercury
CAM SOP-00454	TKN Determination in Waters, Solids, Sludge by Micro-Colourimetry
	TKN
CAM SOP-00457	Analysis of Cyanide in Water and Solids by Colourimetry
	Free Cyanide
CAM SOP-00461	Analysis of Ortho-Phosphate in Water and Soil by Micro-Colourimetry
	Phosphate
CAM SOP-00463	Determination of Chloride in Water and Soil by Micro-Colourimetry
	Chloride
CAM SOP-00464	Sulphate Determination in Water and Soils by Automated Turbidimetry
	Sulfate (Sulphate)
CAM SOP-00467	Particle Size Distribution Sieve Analysis in Soil
CAM SOP-00468	TOC and TC in Solids by Furnace Combustion
	Total Carbon
	Total Organic Carbon
CAM SOP-00894	Determination of Perfluorinated Compounds in Water and Soil By LC-MS-MS
	PFBA (Perfluorobutanoic acid)
	PFBS (Perfluorobutanesulfonate)
	PFDA (Perfluorodecanoic acid)
	PFDoA (Perfluorododecanoic acid)
	PFHpA (Perfluoroheptanoic acid)
	PFHxA (Perfluorohexanoic acid)

PFHxS (Perfluorohexanesulfonate)
PFNA (Perfluorononanoic acid)
PFOA (Perfluoro-n-Octanoic Acid)
PFOS (Perfluoro-1-Octanesulfonate)
PFOSA (Perfluorooctanesulfonamide)
PFPeA (Perfluoropentanoic acid)
PFUnA (Perfluoroundecanoic acid)

Waste

(Leachates)

BRL SOP-00400

Nitrosamines Analysis in Water and Soil by HRGC HRMS

N Nitroso di n butylamine
N Nitroso di n propylamine
N Nitrosodiethylamine
N Nitrosodimethylamine
N Nitrosoethylmethylamine
N Nitrosomorpholine
N Nitrosopiperidine
N Nitrosopyrrolidine

BRL SOP-00410

Dioxin and Furans in Water, Leachates and Soil by HRGC HRMS
(EPA 1613)

1,2,3,4,6,7,8,9-Cl8-Dibenzofuran
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin
1,2,3,4,6,7,8-Cl7-Dibenzofuran
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin
1,2,3,4,7,8,9-Cl7-Dibenzofuran
1,2,3,4,7,8-Cl6-Dibenzofuran
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin
1,2,3,6,7,8-Cl6-Dibenzofuran
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin
1,2,3,7,8,9-Cl6-Dibenzofuran
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin
1,2,3,7,8-Cl5-Dibenzofuran
1,2,3,7,8-Cl5-Dibenzo-p-dioxin
2,3,4,6,7,8-Cl6-Dibenzofuran
2,3,4,6,7,8-Cl6-Dibenzofuran
2,3,4,7,8-Cl5-Dibenzofuran
2,3,7,8-Cl4-Dibenzofuran
2,3,7,8-Cl4-Dibenzo-p-dioxin
H6CDD
H6CDF
H7CDD
H7CDF
O8CDD

CAM SOP-00226

O8CDF
P5CDD
P5CDF
PCDD
PCDF
T4CDD
T4CDF
Volatile Organic Compounds by Purge and Trap or
Headspace GC/MS in Water, Leachates and Soil
1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2-Dibromoethane
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dioxane
2-Hexanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Dibromochloromethane
Dichlorodifluoromethane
Dichloroethane
Dichloromethane
Ethylbenzene
Hexane
m/p-xylene
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Methyl Tertbutyl Ether
o-xylene

CAM SOP-00301

Styrene
Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane
Vinyl Chloride
Determination of Semivolatile Organics (Acid / Base Neutral Extractables) in Solid And Aqueous Samples Using GC/MS operating under both the Full Scan and Selected Ion Monitoring (SIM) Modes
Anthracene
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1-Methylnaphthalene
2,3,4,5-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,4-Trichlorophenol
2,3,5,6-Tetrachlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,3-Dichlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichloro Phenol
2,4-Dimethyl Phenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,5-Dichlorophenol
2,6-Dichlorophenol
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Nitrophenol
3,3'-Dichlorobenzidene
3,4,5-Trichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol
3-Chlorophenol
4,6-Dinitro-O-Cresol

4-Bromophenyl Phenyl Ether
4-Chloroaniline
4-Chlorophenol
4-Chlorophenyl Phenyl Ether
4-Nitrophenol
7,12-Dimethylbenzo (a) anthracene
Acenaphthene
Acenaphthylene
Amytryne
Atrazine
Benzidene
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (e) pyrene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Biphenyl
Bis (2-Chloro Ethoxy) Methane
Bis (2-Chloro Ethyl) Ether
Bis (2-Chloro Isopropyl) Ether
Bis (2-ethylhexyl) Phthaltate
Butyl Benzyl Phthalate
Chrysene
Cyanazine
Diazinon
Dibenzo (a,h) anthracene
Diethyl Phthalate
Dimethyl Phthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3 - cd) pyrene
Isophorone
m/p-cresol
Malathion
Metribuzin
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine

	N-Nitroso-Di-N Propyl Amine
	N-Nitroso-Diphenylamine/Diphenylamine
	o-Cresol
	Parathion Ethyl
	Parathion Methyl
	P-Chloro-M-Cresol
	Pentachloro-phenol
	Phenanthrene
	Phenol
	Prometon
	Prometryn
	Prometryne
	Propazine
	Pyrene
	Simazine
	Simetryn
	Terbutryn
CAM SOP-00305	Analysis of Glyphosate in Water, Leachates and Soil by HPLC
CAM SOP-00306	Analysis of Diuron, Guthion, and Temephos in Water by HPLC
	Diuron
	Guthion (azinphos-methyl)
	Temephos
CAM SOP-00307, CAM SOP-00309, CAM SOP-00317	Organochlorine Pesticides and PCBs in Solids, Water and Biological Materials by GC-ECD, Polychlorinated Biphenyls (PCBs) as Aroclors in Solid, Water, and Biological Samples by GC-ECD, and Neutral Chlorinated Hydrocarbons in Solid and Water by GC/ECD
	1,2,3,4-Tetrachlorobenzene
	1,2,3,5-Tetrachlorobenzene
	1,2,4,5-Tetrachlorobenzene
	1,2,4-Trichlorobenzene
	1,3,5-Trichlorobenzene
	2,4,5-Trichlorotoluene
	a-BHC
	a-Chlordane
	Aldrin
	Aroclor 1016
	Aroclor 1221
	Aroclor 1232
	Aroclor 1242
	Aroclor 1248
	Aroclor 1254
	Aroclor 1260
	Aroclor 1262
	Aroclor 1268
	b-BHC

	d-BHC
	Dieldrin
	Endosulfan I
	Endosulfan II
	Endosulfan Sulfate
	Endrin
	g-Chlordane
	Heptachlor
	Heptachlor Epoxide
	Hexachlorobenzene
	Hexachlorobutadiene
	Hexachlorocyclopentadiene
	Hexachloroethane
	Lindane
	Methoxychlor
	Mirex
	o,p' DDD
	o,p' DDE
	o,p'-DDT
	Octachlorostyrene
	Oxychlordane
	p,p'-DDD
	p,p'-DDE
	p,p'-DDT
	Pentachlorobenzene
	Total PCB
CAM SOP-00315	Determination of CCME C6-C10 Hydrocarbons (F1) and BTEX in Soil and Water by Headspace-GC/MS/FID BTEX (Benzene, Toluene, Ethylbenzene, Xylenes) F1: C6-C10
CAM SOP-00316	The Determination of CCME Extractable Petroleum Hydrocarbons (F2-4) in Water and Soil by GC-FID F2: C10-C16 F3: C16-C34 F4: C34-C50 F4G
CAM SOP-00318	Determination Of Polynuclear Aromatic Hydrocarbons (PAHs) In Solid And Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene 2-methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene

	Benzo (b,j) fluoranthene
	Benzo (g,h,i) perylene
	Benzo (k) fluoranthene
	Chrysene
	Dibenzo (a,h) anthracene
	Fluoranthene
	Fluorene
	Indeno (1,2,3-cd) pyrene
	Naphthalene
	Phenanthrene
	Pyrene
CAM SOP-00327	Analysis of Diquat and Paraquat in Water by HPLC-UV Detector Using Aqueous Ionic Mobile Phase
	Diquat
	Paraquat
CAM SOP-00411	Nitritotriacetic Acid (NTA) in Water by UV-Vis Spectroscopy
CAM SOP-00435	Anions in Food, Soil, Water and Air by Ion Chromatography
	Bromide
	Chloride
	Fluoride
	Nitrate
	Nitrite (NO ₂)
	PO ₄
	Sulfate
CAM SOP-00440	Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by FIA
	Nitrate
	Nitrite
CAM SOP-00447	ICPMS Metals in Waters, Foods, Solids, Swabs and Biota
	Aluminum
	Arsenic
	Barium
	Boron
	Cadmium
	Calcium
	Chromium
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Nickel
	Phosphorus
	Potassium
	Selenium
	Sodium

	Tin
	Titanium
	Zinc
CAM SOP-00448	Alkalinity in Water, Conductivity in Water and Soil, pH in Water Soil and Food and Fluoride in Water Soil and Food by automated PC-Titration. Fluoride
CAM SOP-00453	Mercury in Water, Solids, Sludge and Food by Cold Vapour A.A.
CAM SOP-00457	Analysis of Cyanide in Waters and Solids by Colourimetry Cyanide (SAD) Free Cyanide

Water (Inorganic)

CAM SOP-00326 <i>(OSDWA)</i>	Determination of Total Oil and Grease, Petroleum Hydrocarbons (heavy), Mineral Oil and Grease and Animal and Vegetable Oil and Grease in Water by Gravimetry Mineral, Animal and Vegetable Oil and Grease Petroleum Hydrocarbons (Heavy - F4G) Total Oil and Grease
CAM SOP-00407 <i>(OSDWA)</i>	Determination of Total Phosphorus in Waters by Colorimetry (FIA) Total Phosphorus
CAM SOP-00408	ICP OES-Metals in Air, Waters, Foods, Swabs, Solids, Paint and Sludge Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium

	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Sulfur
	Thallium
	Tin
	Uranium
	Vanadium
	Zinc
	Zirconium
CAM SOP-00409	Colourimetric Determination of Iron in Water
CAM SOP-00411 (OSDWA)	Nitrilotriacetic Acid (NTA) in Water by UV-Vis Spectroscopy
CAM SOP-00412 (OSDWA)	Spectrophotometric Determination of Colour in Water Samples Color
CAM SOP-00416 (OSDWA)	COD in Water by Colorimetry COD (Chemical Oxygen Demand)
CAM SOP-00417 (OSDWA)	Nephelometric Measurement of Turbidity in Water Turbidity
CAM SOP-00420	Hexavalent Chromium in Waters and Solids by Colourimetry
CAM SOP-00425	Determination of Free or Total Chlorine in Water by HACH Colorimetry Free chlorine Total chlorine
CAM SOP-00427 (OSDWA)	Determination of Biochemical Oxygen Demand in Waters by D.O. Meter BOD (5 day) CBOD (5 day)
CAM SOP-00428 (OSDWA)	Determination of Solids in Water, Solid and Semisolid (biosolid, sludge) Samples by Gravimetry Fixed and Volatile Solids Total Dissolved Solids Total Suspended Solids
CAM SOP-00431 (OSDWA)	Organic Acids in Water by Ion Chromatography Acetic Acid Butyric Acid Formic Acid Propionic Acid
CAM SOP-00433 (OSDWA)	Determination of Inorganic Carbon in Water by IR Detection

	DIC - Dissolved Inorganic Carbon TIC-Total Inorganic Carbon
CAM SOP-00435 <i>(OSDWA)</i>	Anions in Food, Soil, Water and Air by Ion Chromatography Bromide Chloride Sulfate
CAM SOP-00436 <i>(OSDWA)</i>	Hexavalent Chromium by IC in Water and Soil Hexavalent Chromium (CrVI)
CAM SOP-00436 <i>(OSDWA)</i>	Hexavalent Chromium by IC in, Water and Soil
CAM SOP-00440 <i>(OSDWA)</i>	Nitrite, Nitrate and TON in Waters, Solids, Sludge and Food by FIA Nitrate plus Nitrite Nitrite
CAM SOP-00441 <i>(OSDWA)</i>	Ammonia in Waters Biosolids and Soil Samples by Colourimetry Ammonia
CAM SOP-00444 <i>(OSDWA)</i>	Analysis of Phenolics in Water and Soil-Colorimetric Automated 4-AAP Total Phenolics
CAM SOP-00446 <i>(OSDWA)</i>	Organic Carbon Analysis in Waters by Combustion and IR Detection DOC Dissolved Organic Carbon TOC Total Organic Carbon
CAM SOP-00447 <i>(OSDWA)</i>	ICPMS Metals in Waters, Foods, Solids, Swabs and Biota Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Molybdenum

	Nickel
	Potassium
	Selenium
	Silicon
	Silver
	Sodium
	Strontium
	Tellurium
	Thallium
	Thorium
	Tin
	Titanium
	Tungsten
	Uranium
	Vanadium
	Zinc
	Zirconium
CAM SOP-00448 <i>(OSDWA)</i>	Alkalinity in Water, Conductivity in Water and Soil, pH in Water Soil and Food and Fluoride in Water Soil and Food by automated PC-Titration. Alkalinity (pH 4.5) Conductivity (25°C) Fluoride pH
CAM SOP-00451 <i>(OSDWA)</i>	Determination of Perchlorate in Water and Soil by LC/MS/MS
CAM SOP-00453 <i>(OSDWA)</i>	Mercury in Waters, Solids, Sludge, and Food by Cold Vapour A.A.
CAM SOP-00454 <i>(OSDWA)</i>	TKN Determination in Waters, Solids, Sludge by Micro-Colourimetry Total Kjeldahl Nitrogen
CAM SOP-00455 <i>(OSDWA)</i>	Sulphide Determination in Water by Ion Selective Electrode
CAM SOP-00457 <i>(OSDWA)</i>	Analysis of Cyanide in Waters and Solids by Colourimetry Cyanide (SAD) Free Cyanide
CAM SOP-00458	Measurement of Total Residual Chlorine in Water by Amperometric Titration
CAM SOP-00459 <i>(OSDWA)</i>	UV Transmittance (Percent T) at 254 nm in Water and Wastewater by UV-VIS Spectroscopy % Transmittance
CAM SOP-00461 <i>(OSDWA)</i>	Analysis of Ortho-Phosphate in Water and Soil by Micro-Colourimetry
CAM SOP-00463 <i>(OSDWA)</i>	Determination of Chloride in Water and Soil by MicroColourimetry

CAM SOP-00464 Sulphate Determination in Water and Soils by Automated
(OSDWA) Turbidimetry

Water (Microbiology)

CAM SOP-00508 Enumeration of Pseudomonas Aeruginosa in Water with the
(OSDWA) Membrane Filtration Technique

Pseudomonas Aeruginosa

CAM SOP-00511 Enumeration of Fecal Streptococcus and Enterococcus in Water
(OSDWA) with the Membrane Filtration Technique

Enterococcus

Fecal Streptococcus

CAM SOP-00512 Heterotrophic Plate Count in Water and Wastewater using the
(OSDWA) Pour Plate and Membrane Filtrations Techniques

Heterotrophic Plate Count (HPC)

Heterotrophic Plate Count (MF)

CAM SOP-00514 Detection of Coliforms, Fecal Coliforms, E.coli, Aeromonas,
(OSDWA) S.Aureus and P.Aeruginosa in Water with the Presence/Absence
Technique

Escherichia coli (E. coli)

Fecal Coliforms

Total Coliforms

CAM SOP-00551 Enumeration of Coliform and E.coli in Potable Water Using
(OSDWA) Membrane Filtration and DC Agar

Background

Escherichia coli (E. coli)

Total Coliforms

CAM SOP-00552 Enumeration of Coliform, Fecal Coliform and E.coli in Water and
(OSDWA) Environmental Samples Using Mendo, mFC-RA and mFC-BCIG
Agar and of E.coli in Biosolids using mFC-BCIG Agar

Background Counts

Escherichia coli (E. coli)

Fecal Coliforms

Total Coliforms

CAM SOP-00581 Detection of Coliforms and E.coli in Water by Presence/Absence
(OSDWA) Technique

Escherichia coli (E. coli)

Total Coliforms

Water (Organic)

BRL SOP-00217 1,4-Dioxane in Water and Soil Using Isotope Dilution by GCMS
(OSDWA)

BRL SOP-00400 Nitrosamines Analysis in Water and Soil by HRGC HRMS

BRL SOP-00408 PCB Congeners Analysis by HRGC HRMS in Water, Soil and Air
(OSDWA)

209 Congeners

BRL SOP-00410
(OSDWA)

Dioxin and Furans in Water and Soil by HRGC HRMS (EPA 1613)
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin
1,2,3,4,6,7,8-Cl7-Dibenzofuran
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin
1,2,3,4,7,8,9-Cl7-Dibenzofuran
1,2,3,4,7,8-Cl6-Dibenzofuran
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin
1,2,3,6,7,8-Cl6-Dibenzofuran
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin
1,2,3,7,8,9-Cl6-Dibenzofuran
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin
1,2,3,7,8-Cl5-Dibenzofuran
1,2,3,7,8-Cl5-Dibenzo-p-dioxin
2,3,4,6,7,8-Cl6-Dibenzofuran
2,3,4,7,8-Cl5-Dibenzofuran
2,3,7,8-Cl4-Dibenzofuran
2,3,7,8-Cl4-Dibenzo-p-dioxin
H6CDD
H6CDF
H7CDD
H7CDF
O8CDD
O8CDF
P5CDD
P5CDF
PCDD
PCDF
T4CDD
T4CDF

BRL SOP-00412
(OSDWA)

Geosmin and 2-MIB in Water by HRGC HRMS

2-Methylisoborneol
Geosmin

CAM SOP-00219
(OSDWA)

Analysis of Dissolved Methane and Other Gases in Water by GC/FID Headspace

CAM SOP-00226
(OSDWA)

Volatile Organic Compounds by Purge and Trap or Headspace GC/MS in Water and Soil

(Purge and Trap)

1- Butanol
1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1,2-Trichlorotrifluoroethane

1,1-Dichloroethane
1,1-dichloroethylene
1,2,3 - Trichlorobenzene
1,2,3 - Trichloropropane
1,2,3 - Trimethylbenzene
1,2,4 - Trichlorobenzene
1,2,4 - Trimethylbenzene
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,3,5 - Trichlorobenzene
1,3,5 - Trimethylbenzene
1,3-Dichlorobenzene
1,4 Dioxane
1,4-dichlorobenzene
1-Propanol
2 Chloroethyl vinyl ether
2-Butanol
2-Hexanone
4-Methyl-2-pentanol
Acetaldehyde
Acetone (2-Propanone)
Acrolein
Acrylonitrile
Allyl alcohol
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Butyl acetate
Butyl acrylate
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Cyclohexane
Decane
Dichlorodifluoromethane
Dichloromethane
Dicyclopentadiene

Diethyl ether
Diisopropyl ether
Ethanol
Ethyl acetate
Ethyl acrylate
Ethylbenzene
Ethylene Dibromide
Heptane
Hexane
Isobutanol
Isopropanol
Isopropyl acetate
Isopropylbenzene
m/p-xylene
Methyl acetate
Methyl acrylate
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl methacrylate
Methyl t-butyl ether
Naphthalene
Octane
o-xylene
Pentane
Propionaldehyde
Propyl acetate
Propylbenzene
Styrene
Tert-Butanol
Tetrachloroethylene
Tetrahydrofuran
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl acetate
Vinyl Chloride
Volatile Organic Compounds by Purge and Trap or Headspace
GC/MS in Water and Soil
(Headspace Analysis)
1- Butanol
1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane

CAM SOP-00226
(OSDWA)

1,1,2-Trichloroethane
1,1,2-Trichlorotrifluoroethane
1,1-Dichloroethane
1,1-dichloroethylene
1,2,3 - Trichlorobenzene
1,2,3 - Trichloropropane
1,2,3 - Truimethylbenzene
1,2,4 - Trichlorobenzene
1,2,4 - Trimethylbenzene
1,2-dichlorobenzene
1,2-dichloroethane
1,2-Dichloropropane
1,3,5 - Trichlorobenzene
1,3,5 - Trimethylbenzene
1,3-Dichlorobenzene
1,4-dichlorobenzene
1,4-Dioxane
1-Propanol
2-Butanol
2-Chloroethyl vinyl ether
2-Hexanone
4-Methyl-2-pentanol
Acetaldehyde
Acetone (2-Propanone)
Acrolein
Acrylonitrile
Allyl alcohol
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Butyl acetate
Butyl acrylate
Carbon disulfide
Carbon Tetrachloride
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Cyclohexane
Decane
Dichlorodifluoromethane

Dichloromethane
Dicyclopentadiene
Diethyl ether
Diisopropyl ether
Ethanol
Ethyl acetate
Ethyl acrylate
Ethylbenzene
Ethylene dibromide
Heptane
Hexane
Isobutanol
Isopropanol
Isopropyl acetate
Isopropylbenzene
m/p-xylene
Methyl acetate
Methyl acrylate
Methyl Ethyl Ketone
Methyl isobutyl Ketone
Methyl methacrylate
Methyl t-butyl ether
Naphthalene
Octane
o-xylene
Pentane
Propionaldehyde
Propyl acetate
Propylbenzene
Styrene
Tert-Butanol
Tetrachloroethylene
Tetrahydrofuran
Toluene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
Trichloroethylene
Trichlorofluoromethane
Vinyl acetate
Vinyl Chloride
Determination of Semivolatile Organics Acid/Base Neutral
Extractables) in Solid and Aqueous Samples Using GC/MS
operating under both the Full Scan and Selected Ion Monitoring
(SIM) Modes
1,2,4-Trichlorobenzene

CAM SOP-00301
(OSDWA)

1,2-Dichlorobenzene
1,2-Diphenylhydrazine
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1-Methylnaphthalene
2,3,4,5-Tetrachlorophenol
2,3,4,6-tetrachlorophenol
2,3,4-Trichlorophenol
2,3,5,6-Tetrachlorophenol
2,3,5-Trichlorophenol
2,3,6-Trichlorophenol
2,3-Dichlorophenol
2,4,5-TP
2,4,5-Trichlorophenol
2,4,5-trichlorophenoxyacetic acid
2,4,6-trichlorophenol
2,4-dichlorophenol
2,4-dichlorophenoxyacetic acid
2,4-Dimethyl Phenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,5-Dichlorophenol
2,6-Dichlorophenol
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Nitrophenol
3,3'-Dichlorobenzidene
3,4,5-Trichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol
3-Chlorophenol
4,6-Dinitro-o-Cresol
4-Bromophenyl Phenyl Ether
4-Chloroaniline
4-Chlorophenol
4-Chlorophenyl Phenyl Ether
4-Nitrophenol
7,12-Dimethylbenzo (a) anthracene
Acenaphthene
Acenaphthylene
Alachlor
Aldicarb
Ametryn

Anthracene
Atrazine
Bendiocarb
Benzo (a) anthracene
Benzo (a) pyrene
Benzo (b) fluoranthene
Benzo (e) pyrene
Benzo (g,h,i) perylene
Benzo (k) fluoranthene
Biphenyl
Bis (2-Chloro Ethoxy)Methane
Bis (2-Chloro Ethyl) Ether
Bis (2-Chloro Isopropyl) Ether
Bis (2-ethylhexyl) Phthalate
Bromoxynil
Butyl Benzyl Phthalate
Carbaryl
Carbofuran
Chlordane (a,g)
Chlorpyrifos (ethyl)
Chrysene
Cyanazine
Des-ethylatrazine
Diazinon
Dibenzo (a,h) anthracene
Dicamba
Diclofop-methyl (as free acid)
Diethyl Phthalate
Dimethoate
Dimethyl Phthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Dinoseb
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Indeno (1,2,3 - cd) pyrene
Isophorone
m,p-cresol
Malathion
Methoxychlor
Methyl Parathion

Metolachlor
Metribuzin
Naphthalene
Nitrobenzene
N-Nitroso-di-n-Propyl Amine
N-Nitroso-Diphenylamine/Diphenylamine
o-Cresol
Oxychlorane
p,p'-DDD
p,p'-DDE
Parathion (ethyl)
p-chloro-m-cresol
Pentachlorophenol
Phenanthrene
Phenol
Phorate
Picloram
Prometon
Prometryne
Propazine
Pyrene
Simazine
Simetryn
Terbufos
Terbutryn
Triallate
Trifluralin

CAM SOP-00305
(OSDWA)

Analysis of Glyphosate in Water and Soil by HPLC

CAM SOP-00306
(OSDWA)

Analysis of Diuron, Guthion, and Temephos in Water by HPLC

Diuron
Guthion (azinphos-methyl)
Temephos

CAM SOP-00307, CAM
SOP-00309, CAM SOP-00317
(OSDWA)

Organochlorine Pesticides and PCBs in Solids, Water and
Biological Materials by GC-ECD, Polychlorinated Biphenyls
(PCBs) as Aroclors in Solid, Water, and Biological Samples by
GC-ECD, and Neutral Chlorinated Hydrocarbons in Solid and
Water by GC/ECD

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
2,4,5-Trichlorotoluene

A - BHC

a - Chlordane

Aldrin

Aroclor 1262

Aroclor-1016

Aroclor-1221

Aroclor-1232

Aroclor-1242

Aroclor-1248

Aroclor-1254

Aroclor-1260

Aroclor-1268

b-BHC

d-BHC

Dieldrin

Endosulfan I

Endosulfan II

Endosulfan Sulfate

Endrin

Endrin Aldehyde

Endrin Ketone

g - Chlordane

Heptachlor

Heptachlor Epoxide

Hexachlorobenzene

Hexachlorobutadiene

Hexachlorocyclopentadiene

Hexachloroethane

Lindane (gamma-BHC)

Methoxychlor

Mirex

O,p'-DDD

O,p'-DDE

O,p'-DDT

Octachlorostyrene

Oxychlordane

p,p' - DDT

p,p' Methoxychlor

p,p'-DDD

p,p'-DDE

Pentachlorobenzene

Total PCBs

CAM SOP-00313

Analysis of 4-Nonylphenol and Nonylphenol Ethoxylates in Water
by HPLC

4-Nonylphenol

CAM SOP-00315 <i>(OSDWA)</i>	Total Nonylphenol Ethoxylates Determination of CCME C6-C10 Hydrocarbons (F1) and BTEX in Soil and Water by Headspace GC/MS/FID Benzene Ethylbenzene F1: C6-C10 m/p-xylene o-xylene Toluene
CAM SOP-00316 <i>(OSDWA)</i>	Determination of CCME Extractable Petroleum Hydrocarbons (F2-4) in Water and Soil by GC/FID F2: C10-C16 F3: C16-C34 F4: C34-C50
CAM SOP-00318	Determination Of Polynuclear Aromatic Hydrocarbons (PAHs) In Solid And Water Samples Using Selected Ion Monitoring (SIM) GCMS 1-methylnaphthalene 2-methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b,j) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Chrysene Dibenzo (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene
CAM SOP-00320 <i>(OSDWA)</i>	The Determination of Nitroaromatics and Nitramines in Water and Soil Samples by HPLC 1,3,5-Trinitrobenzene 1,3-Dinitrobenzene 2,4,6-Trinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Amino-4,6-dinitrotoluene 2-Nitrotoluene 3-Nitrotoluene 4-Amino-2,6-dinitrotoluene

	4-Nitrotoluene
	Hexahydro-1,3,5-trinitro-1,3,5-triazine
	Methyl-2,4,6-trinitrophenylnitramine
	Nitrobenzene
	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
CAM SOP-00322 <i>(OSDWA)</i>	The Determination of Propylene Glycol, Ethylene Glycol and Diethylene Glycol in Liquids, Oils and solids by GC/FID
	Diethylene glycol
	Ethylene glycol
	Propylene glycol
CAM SOP-00327 <i>(OSDWA)</i>	Analysis of Diquat and Paraquat in Water by HPLC-UV Detector Using Aqueous Ionic Mobile Phase
	Diquat
	Paraquat
CAM SOP-00330	Determination of Phenoxy Acid Herbicides and related compounds in Aqueous and Solid Samples Using Selected Ion Monitoring (SIM) GC/MS
	2,4,5-T
	2,4,5-TP
	2,4-D
	2,4-DB
	2,4-DP (dichlorprop)
	3,5-dichlorobenzoic acid
	Acifluorfen
	Bentazon
	Chloramben
	DCPA Diacid
	Dicamba
	Dinoseb (DNBP)
	MCPA
	MCPP
	Pentachlorophenol
	Picloram
CAM SOP-00332	Determination of Chlorinated Phenols in Soil and Water Using Selected Ion Monitoring (SIM) GC/MS
	2,3,4,5-Tetrachlorophenol
	2,3,4,6-Tetrachlorophenol
	2,3,4-Trichlorophenol
	2,3,5,6-Tetrachlorophenol
	2,3,5-Trichlorophenol
	2,3,6-Trichlorophenol
	2,3-Dichlorophenol
	2,4,5-Trichlorophenol
	2,4,6-Trichlorophenol
	2,4-Dichlorophenol
	2,4-Dimethylphenol

2,4-Dinitrophenol
2,5-Dichlorophenol
2,6-Dichlorophenol
2-Chlorophenol
2-Nitrophenol
3,4,5-Trichlorophenol
3,4-Dichlorophenol
3,5-Dichlorophenol
4,6-Dinitro-2-methylphenol
4-Chloro-3-Methylphenol
4-Chlorophenol
4-Nitrophenol
m/p-Cresol
o-Cresol
Pentachlorophenol
Phenol

CAM SOP-00411

Nitrilotriacetic Acid (NTA) in Water by UV-Vis Spectroscopy

CAM SOP-00435

Anions in Food, Soil, Water and Air by Ion Chromatography
Bromide
Chloride
Fluoride
Nitrate
Nitrite (NO₂)
PO₄
Sulfate

CAM SOP-00440

Nitrate
Nitrate, Nitrite and TON in Waters, Solids, Sludge and Food by
FIA
Nitrite

CAM SOP-00447

Aluminum
Arsenic
Barium
Boron
Cadmium
Calcium
Chromium
Copper
ICPMS Metals in Waters, Foods, Solids, Swabs and Biota
Iron
Lead
Magnesium

Manganese
Nickel
Phosphorus
Potassium
Selenium
Sodium
Tin
Titanium
Zinc

CAM SOP-00448

CAM SOP-00453

Mercury in Water, Solids, Sludge and Food by Cold Vapour A.A.
Mercury in Water, Solids, Sludge and Food by Cold Vapour A.A.

CAM SOP-00457

Analysis of Cyanide in Waters and Solids by Colourimetry
Cyanide (SAD)
Free Cyanide

CAM SOP-00883

CAM SOP-00894

Determination of Morpholine in Water Using LC/MS/MS
Determination of Perfluorinated Compounds in Water and Soil By
LC-MS-MS
PFBS (Perfluorobutanesulfonate)
PFBA (Perfluorobutanoic acid)
PFDA (Perfluorodecanoic acid)
PFDoA (Perfluorododecanoic acid)
PFHpA (Perfluoroheptanoic acid)
PFHxA (Perfluorohexanoic acid)
PFHxS (Perfluorohexanesulfonate)
PFNA (Perfluorononanoic acid)
PFOA (Perfluoro-n-Octanoic Acid)
PFOS (Perfluoro-1-Octanesulfonate)
PFOSA (Perfluorooctanesulfonamide)
PFPeA (Perfluoropentanoic acid)
PFUnA (Perfluoroundecanoic acid)

Occupational Health and Safety:

CAM SOP-00209

CAM SOP-00223

Analysis of Percent Level Carbon Dioxide in Medical Gases
Analysis of percent Level Helium in Compressed Breathing Gases

(Compressed Breathing Air Systems - Z180.1, Z275.1, CAN/CSA Z275.2)

CAM SOP-00200

CAM SOP-00201

Analysis of Oxygen, Nitrogen, Carbon Dioxide, Carbon Monoxide
and Methane in Compressed Breathing and Medical Gases
Analysis of Halogenated Hydrocarbon Compounds in Compressed
Breathing Gases

CAM SOP-00202	Total Non-methane Hydrocarbons in Compressed Breathing and Medical Gases
CAM SOP-00204	C2-C4 Hydrocarbons in Compressed Breathing Gases
CAM SOP-00205	Analysis of Water, Water Vapour and Odour in Compressed Breathing Gases
CAM SOP-00206	Determining Oil Particulates and Condensates in Compressed Breathing Gases
CAM SOP-00215	Qualitative Analysis of Volatile Organic Compounds in Air Samples Using Gas Chromatograph Mass Spectrometer
CAM SOP-00221	Analysis of Nitrogen Oxides (NO _x) in Gases
CAM SOP-00223	Analysis of Percent Level Helium in Compressed Breathing Gases

(Medical Gases - CAN/CSA Z305.6, CAN/CSA Z7396.1)

CAM SOP-00200	Analysis of Oxygen, Nitrogen, Carbon Dioxide, Carbon Monoxide and Methane in Compressed Breathing and Medical Gases
CAM SOP-00201	Analysis of Halogenated Hydrocarbon Compounds in Compressed Breathing Gases
CAM SOP-00202	Total Non-methane Hydrocarbons in Compressed Breathing and Medical Gases
CAM SOP-00203	Analysis of Nitrogen Oxide in Compressed Gases
CAM SOP-00204	C2-C4 Hydrocarbons in Compressed Breathing and Medical Gases
CAM SOP-00205	Analysis of Water, Water Vapour and Odour in Compressed Breathing Gases
CAM SOP-00206	Determining Oil Particulates and Condensates in Compressed Breathing and Medical Gases
CAM SOP-00208	Analysis of Sulphur Dioxide in Medical Gases
CAM SOP-00209	Analysis of Percent Level Carbon Dioxide in Medical Gases
CAM SOP-00210	Analysis of Oxygen by Paramagnetic Analyser in Compressed Breathing Gases
CAM SOP-00215	Qualitative Analysis of Volatile Organic Compounds in Air Samples Using Gas Chromatograph Mass Spectrometer
CAM SOP-00216	Analysis of Percent Level Medical Nitrous Oxide

NON METALLIC MINERALS AND PRODUCTS

Petroleum Refinery Products: (Including asphalt materials; petrochemicals; fuels and lubricants)

Fuels and Lubricants

ASTM D0092	Flash and Fire Points by Cleveland Open Cup Tester (SLA SOP 00010)
ASTM D0093	Flash Point by Pensky-Martens Closed Cup Tester (SLA SOP-00029)

ASTM D0094	Saponification Number of Petroleum Products (SLA SOP 00008)
ASTM D0095	Water in Petroleum Products and Bituminous Materials by Distillation (SLA SOP-00118)
ASTM D0130	Corrosiveness to Copper from Petroleum Products by Copper Strip Test (SLA SOP-00031)
ASTM D0445	Kinematic Viscosity of Transparent and Opaque Liquids (SLA SOP 00028)
ASTM D0482	Ash from Petroleum Products (SLA SOP-00117)
ASTM D0524	Ramsbottom Carbon Residue Of Petroleum Products (SLA SOP-00113)
ASTM D0611	Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents (SLA SOP-00023)
ASTM D0664	Acid Number of Petroleum Products by Potentiometric Titration (SLA SOP-00054)
ASTM D0721	Oil Content of Petroleum Waxes (SLA SOP-00034)
ASTM D0874	Sulfated Ash from Lubricating Oils and Additives (SLA SOP-00013)
ASTM D0892 (IP146 Alternative)	Foaming Characteristics of Lubricating Oils (SLA SOP-00012)
ASTM D0974	Acid and Base Number by Color Indicator Titration (SLA SOP-00017)
ASTM D1218	Refractive Index and Refractive Dispersion of Hydrocarbon Liquids (SLA SOP-00064)
ASTM D1298	Standard Test Method for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method (SLA SOP-00056)
ASTM D1401	Water Separability of Petroleum Oils and Synthetic Fluids (SLA SOP-00018)
ASTM D1500	ASTM Color of Petroleum Products (ASTM Color Scale) (SLA SOP-00063)
ASTM D1796	Water and Sediment in Fuel Oils by the Centrifuge Method (SLA SOP 00001)
ASTM D2896	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration (Procedure B) (SLA SOP00005)
ASTM D2983	Low-Temperature Viscosity of Lubricants Measured by Brookfield Viscometer (SLA SOP 00024)
ASTM D4052	Density and Relative Density of Liquids by Digital Density Meter (SLA SOP-00019)
ASTM D4294	Sulphur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry (SLA SOP-00026)
ASTM D4629	Trace Nitrogen in Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection (SLA SOP-00115)
ASTM D4951	Determination of Additive Elements in Lubricating Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (SLA SOP-00111)
ASTM D5185	Determination of Additive Elements, Wear Metals, and Contaminants in used Lubricating Oils and Determination of

	Selected Elements in Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (SLA SOP-00114)
ASTM D5293	Apparent Viscosity of Engine Oils and Base Stocks Between -5° and -35° C by Using the Auto Cold- Cranking Simulator (SLA SOP-00057)
ASTM D5453	Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Oil, Diesel Engine Oil, and Engine Oil by Ultraviolet Fluorescence (SLA SOP-00106)
ASTM D5771	Cloud Point of Petroleum Products (Optical Detection Stepped Cooling Method) (SLA SOP-00119)
ASTM D5950	Pour Point of Petroleum Products (Automatic Tilt Method)(SLA SOP-00030)
ASTM D6304	Determination of Water in Petroleum Products, Lubricating Oils and Additives by Coulometric Karl Fisher Titration (SLA SOP-00112)

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025: 2005)

CAN-P-1587: Requirements for the Accreditation of Agricultural Inputs, Food, Animal Health and Plant protection Testing Laboratories

CAN-P-1585: Requirements for the Accreditation of Environmental Testing Laboratories

APHA: American Public Health Association Standard Methods for the Examination of Water and Wastewater

"***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)

ASTM: American Society for Testing and Materials

SLA SOP: Subject Laboratory In-House Test Method

S. Cross, Director, Conformity Assessment

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Number of Scope Listings: 294

SCC 1003-15/25

Partner File #0

Partner: SCC

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