

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

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

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

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<b>SCC File Number:</b>	15188
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Biological Chemical/Physical Forensic
<b>Program Specialty Area:</b>	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET) Forensic Test Method Development and Non-routine Testing (TMDNRT)
<b>Initial Accreditation:</b>	1993-06-08
<b>Most Recent Accreditation:</b>	2024-07-17
<b>Accreditation Valid to:</b>	2025-06-08

*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 document issued separately.*

#### TEST METHOD DEVELOPMENT AND NON ROUTINE TESTING

Note: The laboratory accredited under this PSA has demonstrated that it meets ISO/IEC 17025 requirements for non-routine testing under the following product classification.

**Description of activities – chemical analysis:**

1. Development and validation of new testing methodology for the screening and determination of chemical compounds in food samples.
2. Development and validation of mass spectral techniques in food samples.

**Description of techniques – chemical analysis:**

1. GC, GC-MS and GC-MS-MS
2. HPLC, LC-MS and LC-MS-MS

**FORENSICS**

**Description of activities- forensic equine drug testing**

1. Screening and confirmatory analysis for drugs and metabolites in equine body fluids, including quantification where required.
2. Testing of known and unknown substances including powders, liquids, dosage forms, feeds, drug administration paraphernalia and other materials for the presence of drugs in horse hair, urine and blood.

**Description of techniques - forensic equine drug testing**

- a. High-performance liquid chromatography (HPLC)
- b. Immunoassay
- c. Mass spectrometry
- d. Sample preparation, extraction and general chemical tests

**ANIMAL AND PLANTS (AGRICULTURE)**

**Foods and Edible Products (Human and Animal Consumption):**

**Food Methods: Proximate Analysis**

BBY4SOP-00104	Determination Histamine in Fish
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**Fruits and Vegetables, Processed Foods, Animal Tissue, Meat, Fish, Dairy, Honey, Eggs and Egg Products and Animal Derived Foods**

BBY4SOP-00048	Determination of Tetracyclines in Tissue and Animal Derived Foods
BBY4SOP-00052	Determination of Phenol in Honey
BBY4SOP-00066	Determination of Pesticides in Animal Derived Foods
BBY4SOP-00118	Determination of Herbicides in Food

BBY7SOP-00011	Analysis of Metals in Meat, Fruit and Vegetables, Processed Foods and Animal Derived Foods by ICP-MS
BBY7SOP-00021	Digestion of Tissue, Vegetation for Analysis of Heavy Metals

### Microbiological

AOAC 2014.05	Enumeration of Yeast and Moulds in Food using 3M™ Petrifilm™ Rapid Yeast And Mold Count (RYM) Plate
Assurance GDS® MPX Top 7 STEC Assay	BioControl Assurance GDS® MPX Top 7 STEC
COR1SOP-00019	Enumeration of Coliforms, Faecal Coliforms and <i>E. coli</i> in Foods by using the MPN Method (Modified MFHPB-19; option of standard 3-tube and 10-tube MPN Method)
FDA BAM Chapter 5	BAM FDA Isolation and Identification of <i>Salmonella</i> in Food and Environment Samples
MFHPB-10	Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples
MFHPB-18	Determination of Aerobic Colony Count in Foods
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and <i>E. coli</i> in Foods by using the MPN Method
MFHPB-20	Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods
MFHPB-22	Enumeration of Yeasts and Molds in Foods
MFHPB-23	Enumeration of <i>Clostridium perfringens</i> in Foods
MFHPB-24	Detection of <i>Salmonella</i> spp. in Foods by the VIDAS® SLMTM Method
MFHPB-29	VIDAS Detection of <i>Listeria</i> spp. in Food, Environmental Samples
MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. from Foods and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates
MFHPB-34	Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients using 3M™ Petrifilm™ <i>E. coli</i> Count Plates
MFHPB-35	Enumeration of Coliforms in Food Products and Food Ingredients using 3M™ Petrifilm™ Coliform Count Plates

MFLP-09	Enumeration of <i>Enterobacteriaceae</i> Species in Food and Environmental Samples Using 3M Petrifilm <i>Enterobacteriaceae</i> Count Plates
MFLP-16	Detection of <i>Escherichia coli</i> O157:H7 in Foods - Assurance GDS® for <i>E. coli</i> O157:H7 Gene Detection System
MFLP-21	Enumeration of <i>Staphylococcus aureus</i> in Foods and Environmental Samples Using 3M™ Petrifilm™ Staph Express Count (STX) Plates
MFLP-25	Isolation and Identification of <i>Shigella spp.</i> From Foods
MFLP-28	The Qualicon BAX® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food
MFLP-29	The Qualicon BAX® System for the Detection of <i>Salmonella</i> in Foods and Environmental Surface Samples
MFLP-30	Detection of <i>E. coli</i> O157:H7 in select foods using the BAX® system <i>E. coli</i> O157:H7 MP
MFLP-33	Detection of <i>Listeria monocytogenes</i> in Foods by the VIDAS LMO 2™ Method
MFLP-37	Part 1: Detection of Halophilic <i>Vibrio</i> Species in Seafood Part 2: Detection of <i>Vibrio cholerae</i>
MFLP-38	Detection of <i>Salmonella spp.</i> from All Foods and Selected Environmental Surfaces using IQ-Check™ <i>Salmonella</i> Real-time PCR Test Kit
MFLP-39	Detection of <i>Listeria spp.</i> from Environmental Surfaces and heat processed RTE Meat and Poultry Using iQ-Check™ <i>Listeria spp.</i> Real-Time PCR Test Kit
MFLP-42	Isolation and Enumeration of <i>Bacillus cereus</i> Group in Foods
MFLP-46	Isolation of Thermophilic <i>Campylobacter</i> from Food
MFLP-49	Detection of <i>Salmonella spp</i> in Food Products and environmental surfaces by the VIDAS® UP <i>Salmonella</i> (SPT) Method
MFLP-54	Detection of <i>Listeria monocytogenes</i> from selected foods using iQ-Check™ <i>Listeria monocytogenes</i> Real-Time PCR Test Kit
MFLP-59	Detection of <i>Listeria spp.</i> in food products and environmental surface samples with VIDAS® UP <i>Listeria</i> (LPT)

MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in Food
MFLP-77	Detection of <i>Listeria</i> spp. in food products and environmental samples by the VIDAS® <i>Listeria</i> species Xpress (LSX) method
MFLP-79	Detection of <i>Listeria</i> spp. in Environmental Surface Samples Using the BAX® System Real-Time PCR Assay for <i>Listeria</i> Genus
MLG4	FSIS Procedure for the Isolation and Identification of <i>Salmonella</i> from Meat, Poultry, Pasteurized egg and Siluriformes (Fish) products and Carcass and Environmental Sponge samples
MLG41	Isolation, Identification of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse and Sponge and Raw Product Samples
COR1SOP-00089	USP: Enterobacterial Count in NHP by MPN Method
COR1SOP-00093	USP: Detection and Enumeration for <i>Pseudomonas aeruginosa</i> in NHP
MICCLSOP-00020	Japanese Method - <i>Coliform Bacilli Test Method for Frozen Foods with Desoxycholate Agar</i>

#### Natural Health Products

BBY4SOP-00150	Determination of Pesticides in Natural Health Products
USP40-NF35 S1. Dietary Supplements Chapters: 2021	Microbial Enumeration Tests-Nutritional and Dietary Supplements. Total Aerobic Microbial Count by Plate Method
USP40-NF35 S1. Dietary Supplements Chapters: 2021	Microbial Enumeration Tests-Nutritional and Dietary Supplements Total Combined Molds and Yeast Count by Plate Method
USP40-NF35 S1. Dietary Supplements Chapters: 2022	Microbiological Procedures for absence of specified microorganisms - Nutritional and Dietary Supplements Test for Absence of <i>Staphylococcus aureus</i>
USP40-NF35 S1. Dietary Supplements Chapters: 2022	Microbiological Procedures for absence of specified microorganisms - Nutritional and Dietary Supplements Test for Absence of <i>Salmonella species</i>
USP40-NF35 S1. Dietary Supplements Chapters: 2022	Microbiological Procedures for absence of specified microorganisms - Nutritional and Dietary Supplements Test for Absence of <i>Escherichia coli</i>

**Other**

BBY4SOP-00032	Determination of Aminoglycosides in Tissue and Animal Derived Foods
BBY4SOP-00033	Determination of Dithiocarbamates (EBDC) in Fruits and Vegetables, Processed Foods and Animal Derived Foods by CS2 Evolution
BBY4SOP-00035	Determination of Chlorinated Phenols in Tissue and Animal Derived Foods
BBY4SOP-00036	Determination of Fluoroquinolones and Quinolones in Tissue and Animal Derived Food
BBY4SOP-00037	Determination of Synthetic Pyrethrins in Animal Tissue and Animal Derived Foods
BBY4SOP-00038	Determination of Carbamates in Tissue and Animal Derived Foods
BBY4SOP-00043	Determination of Ethylenebisdithiocarbamate (EBDC) in Fruits and Vegetables, Processed Foods and Animal Derived Foods
BBY4SOP-00044	Determination of Daminozide (ALAR) in Fruits and Vegetables, Processed Foods and Animal Derived Foods
BBY4SOP-00045	Determination of Ethylenethiourea in Fruits and Vegetables, Processed Foods and Animal Derived Foods
BBY4SOP-00046	Determination of Coccidiostats in Tissue and Animal Derived Foods
BBY4SOP-00047	Determination of Gestagens in Animal Tissue and Dairy
BBY4SOP-00050	Determination of Sulfonamides in Tissue and Animal Derived Foods
BBY4SOP-00051	Determination of Amitraz and Metabolites in Fruits and Vegetables, Processed Foods and Animal Derived Foods
BBY4SOP-00054	Determination of Dipyrone Related Residues in Tissue and Animal Derived Foods
BBY4SOP-00055	Determination of Free and Total Residues of Beta Agonists in Tissue and Animal Derived Foods
BBY4SOP-00056	Determination of Virginiamycin in Tissue and Animal Derived Foods
BBY4SOP-00059	Determination of Ceftiofur-Related Residues in Tissue and Animal Derived Foods

BBY4SOP-00060	Determination of Benzimidazoles in Tissue and Animal Derived Foods
BBY4SOP-00062	Determination of Endectocides in Tissue, Feed and Animal Derived Foods
BBY4SOP-00063	Determination of Phenylbutazone in Tissue and Animal Derived Foods
BBY4SOP-00064	Determination of Protein Bound Metabolites of Nitrofurans in Tissue and Animal Derived Foods
BBY4SOP-00068	Determination of Tranquilizers and Carazolol in Tissue and Animal Derived Foods
BBY4SOP-00069	Determination of Morantel and Pyrantel Drug Related Metabolites in Tissue and Animal Derived Foods
BBY4SOP-00070	Determination of Zeranol and Stilbenes in Tissue and Animal Derived Foods
BBY4SOP-00079	Determination of Volatile Pesticides in Tissue
BBY4SOP-00080	Detection of Thyreostats in Animal Tissue, Eggs and Dairy
BBY4SOP-00082	Determination of Triphenylmethane Dyes in Tissue
BBY4SOP-00083	Determination of Carbadox and Olaquinox-Related Metabolites in Tissue
BBY4SOP-00084	Determination of Amphenicols in Tissue and Animal Derived Foods
BBY4SOP-00085	Determination of Bacitracin A in Tissue and Animal Derived Foods
BBY4SOP-00086	Determination of Nitroimidazoles in Tissue and Animal Derived Foods
BBY4SOP-00087	Determination of Aflatoxin in Dairy
BBY4SOP-00089	Determination of Beta Lactams in Animal Tissue and Animal Derived Foods
BBY4SOP-00091	Determination of Non-Steroidal Anti-Inflammatory Drugs (NSAIDS), Hormones and Corticosteroids in Animal Tissue, Eggs and Dairy
BBY4SOP-00092	Determination of Melamine in Eggs, Dairy and Processed Foods
BBY4SOP-00093	Determination of Bisphenol A in Dairy and Processed Foods
BBY4SOP-00094	Determination of Ochratoxin A in Cereals and Processed Foods
BBY4SOP-00099	Determination of Macrolides in Tissue and Animal Derived Foods
BBY4SOP-00111	Aflatoxins in Food and Animal Feed

BBY4SOP-00123	Determination of Pesticides in Process Foods by GCMSMS and LCMSMS
BBY4SOP-00128	Determination of Pesticides in FV Products and Honey by GC/LC
BBY4SOP-00129	Determination of Pesticides in Tissue by GCMSMS and LCMSMS
BBY4SOP-00130	Determination of Tiamulin in Animal Tissue
BBY4SOP-00131	Determination of 3-monochloropropane-1,2-diol (3-MCPD) in Food and Food Ingredients
BBY4SOP-00132	Multi-Residue Determination of Multi-Class Drugs in Urine
BBY4SOP-00134	Determination of Ethyl Carbamate in Beverages and Processed Food
BBY4SOP-00135	Determination of Diquat and Paraquat in Fruit, Vegetables and Processed Foods
BBY4SOP-00136	Determination of Glyphosate and Metabolites in Fruit, Vegetables and Processed Foods
BBY4SOP-00137	Determination of Alternaria Mycotoxins in Beverages and Honey
BBY4SOP-00138	Multi-Residue Determination of Multi-Class Drugs in Animal Tissue and Animal Derived Foods
BBY4SOP-00139	Multi-Residue Determination of Multi-Class Antibiotics in Honey
BBY4SOP-00142	Determination of Steroids and Stilbenes in Fish
BBY4SOP-00144	Multi-Residue Determination of Multi-Class Drugs in Animal Feed and Pre-Feed
BBY4SOP-00146	Determination of T-2 and HT2 Mycotoxins in Processed Foods
BBY4SOP-00147	Determination of Zearalenone and Related Mycotoxins in Processed Foods
BBY4SOP-00149	Multi-residue determination of Mycotoxins in Processed Foods
BBY4SOP-00152	Determination of Polar Pesticides in Food



## ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

### Environmental:

#### Water (Microbiology)

BBY4SOP-00001	Total and Fecal Coliform and <i>E. coli</i> in Water by Membrane Filtration
BBY4SOP-00003	Heterotrophic Plate Count in Water
BBY4SOP-00005	<i>Pseudomonas aeruginosa</i> Count in Water by Membrane Filtration
BBY4SOP-00006	<i>Enterococcus</i> Count in Water by Membrane Filtration
BBY4SOP-00119	Total and Fecal Coliforms and <i>E. coli</i> by Multiple Tube Fermentation
BBY4SOP-00143	Enumeration of Coliforms and <i>E. coli</i> by MF using Chromocult

#### Biological Tissues

BBY4SOP-00108	Determination of Polycyclic Aromatic Hydrocarbons in Tissue by GC/MS
BBY7SOP-00002	Determination of Metals in Environmental Samples Using CRC ICPMS
BBY7SOP-00012	Determination of Hg in Solids, Tissues and Miscellaneous Solids by CVAFS
BBY7SOP-00030	Methyl Mercury in Biota, Sediment and Soil Samples by GC-Pyrolysis-CVAFS

#### Air

BBY5SOP-00005	Analysis of Total Suspended Particulates (TSP), PM2.5, and PM10 in Air [modified from BC Environmental Laboratory Manual Section G and EPA 600/R-94/038B] Particulate > 2.5 microns (gravimetric)
BBY6SOP-00037	Determination of Acidity and Fluoride by PCT Analyzer [modified from Alcan Ingot – Sebree – Analytical Method for Gaseous and Particulate Fluoride in Cassette Samples] Fluoride
BBY7SOP-00016	Preparation of Air Filters for Metals Analysis [modified from NIOSH 7303]

<p>BBY7SOP-00002</p>	<p>Determination of Metals in Environmental Samples Using CRC ICPMS [modified from EPA 6020]</p> <ul style="list-style-type: none"> <li>Aluminum</li> <li>Antimony</li> <li>Arsenic</li> <li>Barium</li> <li>Beryllium</li> <li>Boron</li> <li>Cadmium</li> <li>Calcium</li> <li>Chromium</li> <li>Cobalt</li> <li>Copper</li> <li>Iron</li> <li>Lead</li> <li>Magnesium</li> <li>Manganese</li> <li>Molybdenum</li> <li>Nickel</li> <li>Phosphorus</li> <li>Potassium</li> <li>Selenium</li> <li>Sodium</li> <li>Strontium</li> <li>Sulphur (Sulfur)</li> <li>Tin</li> <li>Titanium</li> <li>Uranium</li> <li>Vanadium</li> <li>Zinc</li> <li>Zirconium</li> </ul>
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<p>BBY7SOP-00018</p>	<p>Analysis of Various Sample Types by ICP-OES  [EPA 6010]  Aluminum  Antimony  Arsenic  Barium  Beryllium  Boron  Cadmium  Calcium  Chromium  Cobalt  Copper  Iron  Lead  Magnesium  Manganese  Molybdenum  Nickel  Phosphorus  Potassium  Selenium  Sodium  Strontium  Sulphur (Sulfur)  Tin  Titanium  Vanadium  Zinc  Zirconium</p>
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<p>BBY8SOP-00027</p>	<p>Determination of Polycyclic Aromatic Hydrocarbons in Air by GC/MS [modified from BC Environmental Laboratory Manual (Preparation) and EPA 8270 (Analysis)]</p> <p>Acenaphthene          Acenaphthylene          Anthracene          Benzo (a) anthracene          Benzo(a)pyrene          Benzo(b,j)fluoranthene          Benzo(e)pyrene          Benzo(g,h,i)perylene          Benzo(k)fluoranthene          Chrysene          Dibenzo (a,h) anthracene          Fluoranthene          Fluorene          Indeno(1,2,3-cd)pyrene          Naphthalene          Perylene          Phenanthrene          Pyrene</p>
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<p>BBY8SOP-00058</p>	<p>VOCs In Air/vapour Using TD Tubes with Analysis by GC/MS [modified from BC Environmental Laboratory Manual Section H]</p> <p>1,1-Dichloroethane  1,1-Dichloroethene  1,1-Dichloropropene  1,1,1-Trichloroethane  1,1,1,2-Tetrachloroethane  1,1,2-Trichloroethane  1,1,2,2-Tetrachloroethane  1,2-Dibromo-3-chloropropane (DBCP)  1,2-Dibromoethane (Ethylene dibromide)  1,2-Dichlorobenzene  1,2-Dichloroethane  1,2-Dichloropropane  1,2,3-Trichlorobenzene  1,2,3-Trichloropropane  1,2,3-Trimethylbenzene  1,2,4-Trichlorobenzene  1,2,4-Trimethylbenzene  1,3-Butadiene  1,3-Dichlorobenzene  1,3-Dichloropropane  1,3,5-Trimethylbenzene  1,4-Dichlorobenzene  2-Butanone (Methyl ethyl ketone, MEK)  2-Chlorophenol  2-Chlorotoluene  2-Hexanone (Methyl butyl ketone, MBK)  2-Propanol (Isopropyl alcohol)  4-Chlorotoluene (p-Chlorotoluene)  4-isopropyltoluene (p-Cymene)  4-Methyl-2-pentanone (MIBK)  Acetone  Benzene  Bromobenzene  Bromodichloromethane  Bromoform  Bromomethane  Carbon Disulphide  Carbon tetrachloride  Chlorobenzene  Chloroethane (Ethyl Chloride)</p>
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	<p>Chloroethene (Vinyl chloride)          Chloroform          cis-1,2-Dichloroethylene          cis-1,3-Dichloropropene          Dibromochloromethane          Dibromomethane          Dichlorodifluoromethane (Freon12)          Dichloromethane          Ethyl Acetate          Ethylbenzene          Hexachlorobutadiene          Isopropanol          Isopropylbenzene (Cumene)          m,p-Xylene          Methyl tert-butyl ether (MTBE)          Methylcyclohexane          n-Butylbenzene          n-Decane          n-Hexane          n-Propylbenzene          Naphthalene          o-Xylene          sec-Butylbenzene          Styrene          tert-Butylbenzene          Tetrachloroethylene          Toluene          trans-1,3-Dichloropropene          Trichloroethene          Trichlorofluoromethane          Trichlorotrifluoroethane          Volatile Hydrocarbons (VH): C6-C13</p>
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**Soil/Solid/Water/Wastewater**

BBY6SOP-00010	<p>Nitrite and Nitrite Plus Nitrate by Automated Colourimetric Method [modified from SM 4500-NO3- I]          Nitrate + Nitrite Nitrogen          Nitrite</p>
BBY6SOP-00017	<p>Determination of Sulfate by Konelab [modified from SM 4500-SO4 2- ]          Sulphate</p>

<p>BBY8SOP-00010</p>	<p>Determination of BTEX in Soil and Waters by Headspace-GC-MS [modified from EPA 5021 and EPA 5035 and EPA 8260]            Benzene            Ethylbenzene            m,p-Xylene            Methyl t-butyl ether            o-Xylene            Styrene            Toluene</p>
<p>BBY8SOP-00011</p>	<p>VH Analysis in Soils and Waters by Headspace GC/FID [modified from BC Environmental Laboratory Manual Section D]            VH: C6-C10            VPH: C6-C10 – BTEX</p>
<p>BBY8SOP-00029</p>	<p>Extractable Hydrocarbons (Water, Soils, Product, TPH) [modified from BC Environmental Laboratory Manual Section D]            Extractable Petroleum Hydrocarbons (EPH): C10-C19            Extractable Petroleum Hydrocarbons (EPH): C19-C32            Total Extractable Hydrocarbons (TEH): C10-C30</p>
<p>BBY8SOP-00030</p>	<p>Determination of CCME (F2-F4) in Water and Soil [CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD]            F2: C10-C16            F3: C16-C34            F4: C34-C50</p>
<p>BBY8SOP-00012</p>	<p>F1 and LH Analysis for Soils and Waters by Headspace GC/FID [CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD]            F1: C6-C10            F1-BTEX: C6-C10 – BTEX</p>

<p>BBY8SOP-00054</p>	<p>CP, NCP, HydroxyPhenol in water (MTBE extraction) and soil by GC/MS [modified from BC Environmental Laboratory Manual Section D]                  2-Chlorophenol                  2-Hydroxyphenol (Catechol)                  2-Methyl-4,6-dinitrophenol (4,6-Dinitro-o-cresol, DNOC)                  2-Methylphenol (o-Cresol)                  2-Nitrophenol                  2,3-Dichlorophenol                  2,3,4-Trichlorophenol                  2,3,4,5-Tetrachlorophenol                  2,3,4,6-Tetrachlorophenol                  2,3,5-Trichlorophenol                  2,3,5,6-Tetrachlorophenol                  2,3,6-Trichlorophenol                  2,4 + 2,5-Dichlorophenol                  2,4-Dimethylphenol                  2,4-Dinitrophenol                  2,4,5-Trichlorophenol                  2,4,6-Trichlorophenol                  2,6-Dichlorophenol                  2,6-Dimethylphenol                  3 + 4-Chlorophenol                  3 + 4-Methylphenol                  3-Hydroxyphenol (Resorcinol)                  3,4-Dichlorophenol                  3,4-Dimethylphenol                  3,4,5-Trichlorophenol                  3,5-Dichlorophenol                  4-Chloro-3-methylphenol                  4-Hydroxyphenol (Hydroquinone)                  4-Nitrophenol                  Pentachlorophenol                  Phenol</p>
<p>BBY8SOP-00060</p>	<p>Determination of Tetraethyllead in Soil and Water by GC/MS [modified from BC Environmental Laboratory Manual Section D and EPA 8000, EPA 8270]                  Tetraethyl lead</p>



<p>BBY8SOP-00009</p>	<p>Analysis of VOC's in Soils and Waters by Static Headspace GC/MS [modified from EPA 5021 and EPA 8260]</p> <p>1,1-Dichloroethane  1,1-dichloroethylene  1,1-Dichloropropene  1,1,1-Trichloroethane  1,1,1,2-Tetrachloroethane  1,1,2-Trichloroethane  1,1,2-Trichloropropane  1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)  1,1,2,2-Tetrachloroethane  1,2-Dibromo-3-chloropropane (DBCP)  1,2-Dibromoethane (Ethylene dibromide)  1,2-dichlorobenzene  1,2-dichloroethane  1,2-Dichloropropane  1,2,3-Trichlorobenzene  1,2,3-Trichloropropane  1,2,3-Trichloropropene  1,2,3-Trimethylbenzene  1,2,4-Trichlorobenzene  1,2,4-Trimethylbenzene  1,3-Butadiene  1,3-Dichlorobenzene  1,3-Dichloropropane  1,3,5-Trichlorobenzene  1,3,5-Trimethylbenzene  1,4-dichlorobenzene  2-Butanone  2-Chlorotoluene  4-Methyl-2Pentanone  4-Chlorotoluene (p-Chlorotoluene)  4-isopropyltoluene (p-Cymene)  Acetone  Benzene  Bromobenzene  Bromodichloromethane  Bromoform  Bromomethane  Carbon tetrachloride  Chlorobenzene  Chlorodibromomethane</p>
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	<p>Chloroethane (Ethyl Chloride)          Chloroethene (Vinyl Chloride)          Chloroform          Chloromethane (Methyl chloride)          cis-1,2-Dichloroethylene          cis-1,3-Dichloropropene          Dibromomethane          Dichlorodifluoromethane          Dichloromethane          Ethylbenzene          Ethyl acetate          Ethylene Dibromide          Hexachlorobutadiene          Hexane          Isopropylbenzene (Cumene)          m,p-Xylene          Methyl t-butyl ether          Methylcyclohexane          n-Butylbenzene          n-Decane          n-Propylbenzene          Naphthalene          o-Xylene          Pentachloroethane          sec-Butylbenzene          Styrene          tert-Butylbenzene          Tetrachloroethylene          Toluene          trans-1,2-Dichloroethylene          trans-1,3-Dichloropropene          Trichloroethylene          Trichlorofluoromethane</p>
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BBY8SOP-00040	<p>VOC Extra Compounds in Soil and Water by Headspace-GC-MS [BC Environmental Laboratory Manual Section D]</p> <p>1-Butanol (n-Butanol)            1-Chlorobutane            1,4-Dioxane (p-dioxane)            2-Hexanone (Methyl butyl ketone, MBK)            2-Propanol (Isopropyl alcohol)            Acrolein (Propenal)            Acrylonitrile            Allyl chloride (3-chloropropene)            Alpha-Diisobutylene            Beta-Diisobutylene            Butylated hydroxytoluene (BHT)            Carbon disulfide            Chloroprene (2-Chloro-1,3-butadiene)            Cyclohexanone            Cyclohexene            Dicyclopentadiene            Ethyl acrylate            Ethyl ether            Hexachloroethane            Isobutanol (2-Methyl-1-propanol)            Methyl methacrylate            Methylacrylonitrile            Tetrabromomethane            Tetrahydrofuran (THF)            Vinyl acetate</p>
BBY8SOP-00062	<p>Determination of Perchlorate in Water and Soil by LCMSMS [modified from EPA 6850]            Perchlorate</p>

**Soil/Solid/Waste**

BBY6SOP-00036	<p>Particle Size Analysis (Six-Size and Size Pack) [modified from SSMA 55.4]            Particle size by sieve</p>
BBY6SOP-00039	<p>Determination of Weight Fractions of Greater/Less than 200 Mesh in Soil [modified from SSMA 55.4]            Particulate mesh 200</p>
BBY6SOP-00040	<p>Determination of Loss on Ignition in Soil at 550°C [modified from SSMA 28.3]            Loss on ignition</p>

BBY6SOP-00041	Determination of Foreign Matter in Soils, Vegetation and Solid Waste [modified from CCME 1340] Foreign matter
BBY6SOP-00050	Determination of Fixed and Volatile Solids in Solid Samples [modified from SM 2540 G] Total solids (fixed and volatile)
BBY6SOP-00051	PSA by Hydrometer - Texture (Sand, Silt, Clay and Gravel) Analysis [modified from SSMA 55.3] % sand % silt % clay % gravel
BBY7SOP-00004	Digestion of Soil, Sediment and Sludge for Total Recoverable Metals [modified from BC Environmental Laboratory Manual Section C]
BBY7SOP-00012	Determination of Hg in Solids, Tissues and Miscellaneous Solids by CVAFS [modified from EPA 245.7 and BC Environmental Laboratory Manual Section C] Mercury

<p>BBY7SOP-00018</p>	<p>Analysis of Various Sample Types by ICP-OES [modified from EPA 6010 and BC Environmental Laboratory Manual Section B]</p> <p>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 Tin Titanium Vanadium Zinc Zirconium</p>
<p>BBY7SOP-00030</p>	<p>Methyl Mercury in Biota, Sediment and Soil Samples by GC-Pyrolysis-CVAFS [BC Environmental Laboratory Manual Section C] Methylmercury</p>
<p>BBY8SOP-00003</p>	<p>Gravimetric Heavy Hydrocarbon-CCME F4G in Soils by AME [CCME CWS PETROLEUM HYDROCARBONS IN SOIL - TIER 1 METHOD] F4: Gravimetric</p>

BBY8SOP-00006	Total Oil and Grease in Soils by Sonification Extraction-Dichloromethane [modified from BC Environmental Laboratory Manual Section D] Total Oil and Grease
BBY8SOP-00007	Mineral Oil and Grease in Solid Samples by Sonification Extraction [modified from BC Environmental Laboratory Manual Section D] Mineral Oil and Grease
BBY8SOP-00008	Waste Oil Quantification in Solids, Liquids by Petroleum Ether Extraction [BC Environmental Laboratory Manual Section D] Waste Oil Content
BBY8SOP-00017	Determination of Moisture Content in Solid Samples [modified from BC Environment Laboratory Manual] Percent Moisture

<p>BBY8SOP-00022</p>	<p>Determination of Polycyclic Aromatic Hydrocarbons in Soil by GC/MS [modified from BC Environmental Laboratory Manual Section D]</p> <p>1-Methylnaphthalene                  2-Chloronaphthalene                  2-Methylnaphthalene                  3-Methylcholanthrene                  4-Nitropyrene                  7,12-Dimethylbenz(a)anthracene                  9,10-Anthraquinone                  Acenaphthene                  Acenaphthylene                  Acridine                  Anthracene                  Benzo(a)anthracene                  Benzo(a)pyrene                  Benzo(b)fluoranthene                  Benzo(c)phenanthrene                  Benzo(e)pyrene                  Benzo(g,h,i)perylene                  Benzo(j)fluoranthene                  Benzo(k)fluoranthene                  Chrysene                  Dibenzo(a,e)pyrene                  Dibenzo(a,h)anthracene                  Fluoranthene                  Fluorene                  Indeno(1,2,3 - cd)pyrene                  N-Methylaniline                  Naphthalene                  Perylene                  Phenanthrene                  Pyrene                  Quinoline</p>
<p>BBY8SOP-00050</p>	<p>Determination of Tributyltin in Soil and Sediment by GC-MS [modified from RESTEK CORP APPLICATION NOTE# 59550]</p> <p>Tributyltin                  Dibutyltin</p>

BBY8SOP-00063	Determination of Selected Pesticides in Soil by LC/MS/MS [modified from EPA 8321B] Atrazine Desethyl-atrazine Bromacil Diuron Linuron Simazine Tebuthiuron
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**Water/Wastewater/Soil Extract/Soil Leachate**

BBY0SOP-00003	Determination of pH in Waters, Leachates and Extracts by pH Meter [modified from SM 4500-H+ B] pH
BBY0SOP-00006	Determination of Conductivity in Waters, Leachates and Extracts by Meter [modified from SM 2510 B] Conductivity (25°C)
AB SOP-00007	Ammonia-Nitrogen by Automated Phenate Colorimetric method [modified from EPA 350.1] Ammonia
BBY6SOP-00011	Determination of Chloride by Konelab [modified from SM 4500-CL- E and BC Environmental Laboratory Manual Section B] Chloride
BBY6SOP-00013	Ortho-, Total Dissolved, and Total Phosphate by Automated Method [modified from SM 4500-P E] Phosphate Total Dissolved Phosphorus Total Phosphorus
BBY6SOP-00016	Determination of Total and Total Dissolved Nitrogen by Automated Method [modified from SM 4500-N C] Total Dissolved Nitrogen Total Nitrogen
BBY6SOP-00021	Determination of Apparent Colour in Water Samples [modified from SM 2120 B] Apparent Colour
BBY6SOP-00024	Chemical Oxygen Demand (COD) by Closed Reflux, Colorimetric Method [modified from SM 5220 D] COD
BBY6SOP-00025	Determination of pH in Saturated Paste Extract [modified from SM 4500-H+ B] pH
BBY6SOP-00026	pH, Conductivity, Salinity, Alkalinity (Total, Phenolphthalein) in Water [modified from SM 2320 B, SM 2510 B, SM 4500-H+ B] Alkalinity (pH 4.5) Conductivity (25°C) pH

BBY6SOP-00027	Determination of Turbidity in Water Samples [modified from SM 2130 B] Turbidity
BBY6SOP-00028	Determination of pH in Soil Leachate [modified from BC Environmental Laboratory Manual Section B] pH
BBY6SOP-00029	Specific Conductance in Satpaste and 1:5 DI Leach by Conductivity Cell [modified from SM 2510 B] Conductivity
BBY6SOP-00030	Satpaste Extract Preparation for Saturation Percent, Salinity Analyses [modified from BC Environmental Laboratory Manual Section B] Percent Saturation Saturated Paste
BBY6SOP-00033	Determination of Total Dissolved Solids in Waters and Wastewaters [modified from SM 2540 C] Total Dissolved Solids
BBY6SOP-00034	Determination of Total Suspended Solids in Waters and Wastewaters [modified from SM 2540 D] Total Suspended Solids
BBY6SOP-00035	Determination of Total Solids and Total Solids Fixed in Waters [modified from SM 2540 A] Fixed Solids Total Solids (TS)
BBY6SOP-00037	Determination of Acidity in Waters [modified from SM 2310 B] and Fluoride in Waters, Soil Extracts and Leachates by ISE [modified from BC MOE ENVIRONMENTAL MANAGEMENT ACT HAZARDOUS WASTE REGULATION (EMA/HWR) SCHEDULE 4, PART 2 (Preparation) and SM 4500-F- C (Analysis)] Acidity Fluoride
BBY6SOP-00045	Total and Carbonaceous BOD, DO, and pH Analysis [modified from SM 5210 B] BOD (5 day) CBOD (5 day)

BBY6SOP-00046	Determination of Free and Total Chlorine in Water [modified from SM 4500-Cl G] Free Chlorine Total Chlorine
BBY6SOP-00057	Determination of True Colour in Water Samples by Konelab [modified from SM 2120 C] True Colour
BBY7SOP-00001	Determination of Metals in Solids by ICPMS [modified from EPA 6020] Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Thallium Tin Vanadium Uranium Zinc Zirconium
BBY7SOP-00005	Procedure for the Preparation of Solids and Soil using TCLP [EPA 1311]
BBY7SOP-00009	Procedure for the Preparation of Leachates Using BC MLEP [modified from BC MOE ENVIRONMENTAL MANAGEMENT ACT HAZARDOUS WASTE REGULATION (EMA/HWR) SCHEDULE 4, PART 2]

<p>BBY8SOP-00021</p>	<p>Determination of Polycyclic Aromatic Hydrocarbons in Waters by GC/MS [modified from BC Environmental Laboratory Manual Section D]</p> <ul style="list-style-type: none"> <li>1-Methylnaphthalene</li> <li>2-Chloronaphthalene</li> <li>2-Methylnaphthalene</li> <li>3-Methylcholanthrene</li> <li>4-Nitropyrene</li> <li>7,12-Dimethylbenz(a)anthracene</li> <li>9,10-Anthraquinone</li> <li>Acenaphthene</li> <li>Acenaphthylene</li> <li>Acridine</li> <li>Anthracene</li> <li>Benzo(a)anthracene</li> <li>Benzo(a)pyrene</li> <li>Benzo(b,j)fluoranthene</li> <li>Benzo(c)phenanthrene</li> <li>Benzo(e)pyrene</li> <li>Benzo(g,h,i)perylene</li> <li>Benzo(k)fluoranthene</li> <li>Chrysene</li> <li>Dibenzo(a,e)pyrene</li> <li>Dibenzo(a,h)anthracene</li> <li>Fluoranthene</li> <li>Fluorene</li> <li>Indeno(1,2,3-cd)pyrene</li> <li>N-Methylaniline</li> <li>Naphthalene</li> <li>Perylene</li> <li>Phenanthrene</li> <li>Pyrene</li> <li>Quinoline</li> </ul>
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<p>BBY7SOP-00018</p>	<p>Analysis of Various Sample Types by ICP-OES [modified from EPA 6010]</p> <ul style="list-style-type: none"> <li>Aluminum</li> <li>Antimony</li> <li>Arsenic</li> <li>Barium</li> <li>Beryllium</li> <li>Bismuth</li> <li>Boron</li> <li>Cadmium</li> <li>Calcium</li> <li>Chromium</li> <li>Cobalt</li> <li>Copper</li> <li>Iron</li> <li>Lead</li> <li>Lithium</li> <li>Magnesium</li> <li>Manganese</li> <li>Molybdenum</li> <li>Nickel</li> <li>Phosphorus</li> <li>Potassium</li> <li>Selenium</li> <li>Silicon</li> <li>Silver</li> <li>Sodium</li> <li>Strontium</li> <li>Sulphur (Sulfur)</li> <li>Tin</li> <li>Titanium</li> <li>Vanadium</li> <li>Zinc</li> <li>Zirconium</li> </ul>
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<p>BBY7SOP-00002</p>	<p>Determination of Metals in Environmental Samples Using CRC ICPMS [modified from EPA 6020 and BC Environmental Laboratory Manual Section C]</p> <p>Aluminum          Antimony          Arsenic          Barium          Beryllium          Bismuth          Boron          Bromine          Cadmium          Calcium          Cesium          Chromium          Cobalt          Copper          Gold          Iron          Lanthanum          Lead          Lithium          Magnesium          Manganese          Mercury          Molybdenum          Nickel          Palladium          Phosphorus          Platinum          Potassium          Rubidium          Selenium          Silicon          Silver          Sodium          Strontium          Sulphur (Sulfur)          Tellurium          Thallium          Thorium          Tin</p>
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	<p>Titanium Tungsten Uranium Vanadium Zinc Zirconium</p>
BBY7SOP-00003	Digestion of Aqueous Samples for Metals by ICPMS or ICP-OES [modified from EPA 6020 and BC Environmental Laboratory Manual Section C]
BBY7SOP-00022	Determination of Ultra-Low Level Mercury in Water by CVAFS [modified from EPA 1631] Mercury
BBY8SOP-00004	Oil and Grease in Water Samples by Hexane Extraction and Gravimetry [modified from BC Environmental Laboratory Manual Section D] Mineral Oil and Grease Total Oil and Grease
BBY8SOP-00059	Determination of Tributyltin in Water by GC-MS [modified from RESTEK CORP LIT. CAT#59550] Dibutyltin Tributyltin
BBY8SOP-00025	<p>Chlorinated Phenols in Water (DCM extraction) by GC/MS [modified from BC Environmental Laboratory Manual Section D]</p> <p>2-Chlorophenol 2,3-Dichlorophenol 2,3,4-Trichlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-tetrachlorophenol 2,3,5-Trichlorophenol 2,3,5,6-Tetrachlorophenol 2,3,6-Trichlorophenol 2,4 + 2,5-Dichlorophenol 2,4,5-Trichlorophenol 2,4,6-trichlorophenol 2,6-Dichlorophenol 3 + 4-Chlorophenol 3,4-Dichlorophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4-Chloro-3-Methylphenol Pentachlorophenol</p>

<p>BBY6SOP-00053</p>	<p>Determination of TOC and DOC in Water and Wastewater [modified from SM 5310B]                      Total Organic Carbon                      Dissolved Organic Carbon</p>
<p>BBY7SOP-00028</p>	<p>Methyl Mercury in Water by GC-Pyrolysis-CVAFS [modified from EPA 1630]                      Methylmercury</p>



<p>BBY7SOP-00029</p>	<p>Determination of Metals in Environmental Samples Using ICP-QQQ [modified from EPA 6020 and BC Environmental Laboratory Manual Section C]</p> <p>Aluminum          Antimony          Arsenic          Barium          Beryllium          Bismuth          Boron          Cadmium          Calcium          Cesium          Chromium          Cobalt          Copper          Gold          Iron          Lanthanum          Lead          Lithium          Magnesium          Manganese          Mercury          Molybdenum          Nickel          Palladium          Phosphorus          Platinum          Potassium          Ruthenium          Rubidium          Selenium          Silicon          Silver          Sodium          Strontium          Sulphur (Sulfur)          Tellurium          Thallium          Thorium          Tin</p>
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	<p>Titanium  Tungsten  Uranium  Vanadium  Yttrium  Zinc  Zirconium</p>
<p>BBY7SOP-00032</p>	<p>Determination of Mercury in Environmental Samples by CVAFS [modified from BC Environmental Laboratory Manual Section C)  Mercury</p>

**Seawater**

<p>BBY7SOP-00002</p>	<p>Determination of Metals in Environmental Samples Using CRC ICPMS [modified from EPA 6020]</p> <p>Aluminum 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 Sulphur (Sulfur) Tellurium Tin Thallium Titanium Uranium Vanadium Zinc Zirconium</p>
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**Soil/Solid (Toxicology)**

<p>BBY2SOP-00010</p>	<p><i>Chironomids dilutus</i> 10-Day Survival and Growth Test [EPS 1/RM/32] <i>Chironomids</i> (10d)</p>
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BBY2SOP-00011	<i>Hyalella azteca</i> 14-Day Survival and Growth Test [EPS 1/RM/33] <i>Hyalella azteca</i> (14d)
BBY2SOP-00012	Marine or Estuarine Amphipod 10 Day Survival and Reburial Test [EPS 1/RM/26 and EPS 1/RM/35] Marine Amphipods (10d)
BBY2SOP-00014	Microtox - Acute Solid Phase Analysis [EPS 1/RM/42] Microtox IC50
BBY2SOP-00030	<i>Neanthes arenaceodentata</i> Survival and Growth Test <i>Neanthes</i> (20d)
BBY2SOP-00032	Bivalve Larval Development Sediment Test [PUGET SOUND ESTUARY PROGRAM 1995 B] Bivalves (48hr)
BBY2SOP-00062	Echinoderm Embryo / Larval Development Test [EPS 1/RM/58] Echinoid Larval Development (48hr)

**Water (Toxicology)**

BBY2SOP-00001	<i>Ceriodaphnia dubia</i> Chronic Survival and Reproduction Test [EPS 1/RM/21] <i>Ceriodaphnia dubia</i> (7d)
BBY2SOP-00002	Fathead Minnow 7 Day Survival and Growth Test [EPS 1/RM/22] Fathead Minnow (7d)
BBY2SOP-00004	Rainbow Trout Acute Survival Test (Environment Canada) [EPS 1/RM/13 and EPS 1/RM/9] Single Concentration (96hr) Trout LC50 (96hr)
BBY2SOP-00006	<i>Pseudokirchneriella Subcapitata</i> 72H Growth Inhibition Test [EPS 1/RM/25] <i>Pseudokirchneriella subcapitata</i> (72hr)
BBY2SOP-00007	<i>Daphnia magna</i> 48 Hour Acute Test [EPS 1/RM/11 and EPS 1/RM/14] <i>Daphnia</i> LC50 (48hr) <i>Daphnia</i> Single Concentration (48hr)
BBY2SOP-00009	Echinoid 20 Minute Fertilization Test [EPS 1/RM/27] Echinoderm Fertilization (20 min)

BBY2SOP-00053	<i>Lemna minor</i> 7 Day Growth Inhibition Test [EPS 1/RM/37] <i>Lemna minor</i> (7d)
BBY2SOP-00061	Rainbow Trout Acute Survival Test with pH Stabilization [EPS 1/RM/50] Single Concentration (96hr) - pH Stabilization Trout LC50 (96hr) - pH Stabilization
BBY2SOP-00069	Marine Copepod 48 Hour Acute Test [EPS 1/RM/60] Marine Copepod LC50 (48hr) Marine Copepod Single Concentration (48hr)

Number of Scope Listings: 200

Number of TMDNRT Techniques: 2

Number of Forensic Techniques: 4

**Notes:**

**DOCUMENT / ACRONYM**

ISO/IEC: International Organization for Standardization/International Electrotechnical Commission

GC: Gas Chromatography

GC-MS or GC/MS: Gas Chromatography-Mass Spectrometry

GC-MS-MS or GCMSMS: Gas Chromatography-High Resolution Mass Spectrometry

HPLC: High Pressure Liquid Chromatography

LC-MS: Liquid Chromatography

LC-MS-MS or LCMSMS: Liquid Chromatography-High Resolution Mass Spectrometry

AFAP: Agriculture Inputs, Food, Animal Health and Plant Protection

ET: Environmental Testing

TMDNRT: Test Method Development and Non-routine Testing

PSA: Program Speciality Area

ICP-MS or ICPMS: Inductively Coupled Mass Spectrometry

RYM: Rapid yeast and mild count

STEC: Shiga toxin-producing escherichia coli

MPN: Most Probable Number

BAM: Bacteriological Analytical Manual

FDA: United States Food and Drug Administration

H7: flagellar antigen

NM: non-motile

E.coli: Escherichia coli

spp.: species, plural form

LMO: listeria monocytogenes

PCR: polymerize chain reaction

SPT: salmonella phage protein

LSX: listeria species express

LPT: listeria phage protein

FSIS: USDA Food Safety and Inspection Services

USDA: United States Department of Agriculture

USP: US Pharmacopeia  
 NHP: Natural Health Products  
 EBDC: ethylenebisdithiocarbamates  
 NSAIDS: Non-Steroidal Anti-Inflammatory Drugs  
 GC/LC: Gas Chromatography/Liquid Chromatography  
 FV: fruit and vegetables  
 CRC: collision reaction cell  
 CVAFS: cold vapour atomic fluorescence spectroscopy  
 TSP: total solid particulates  
 PM2.5: particulate matter, 2.5 microns or less  
 PM10: particulate matter, 10 microns or less  
 BC: British-Columbia  
 EPA: US Environmental Protection Agency  
 NIOSH: National Institute for Occupational Safety and Health  
 ICP-OES: Inductively coupled plasma-optical emission spectroscopy  
 VOCs: Volatile Organic Compounds  
 TD: Thermal Desorption  
 SM: Standard Method  
 BTEX: Benzene, Toluene, Ethylbenzene, Xylenes  
 GC/FID: Gas Chromatography/Flame Ionization Detection  
 CCME: Canadian Council of Ministers of the Environment  
 CWS: Canada Wide Standards  
 F1: fraction 1  
 F2: fraction 2  
 F3: fraction 3  
 F4: fraction 4  
 LH: Light Hydrocarbons  
 CP: Chlorinated phenolic  
 NCP: Non-chlorinated phenolic  
 MTBE: Methyl tert-Butyl Ether  
 COD: Chemical oxygen demand  
 DI: De-ionized Water  
 BOD: Biological Oxygen Demand  
 CBOD: Carbonaceous Biological Oxygen Demand  
 MOE: Ministry of the Environment  
 TCLP: Toxicity Characteristic Leaching Procedure  
 MLEP: Modified Leachate Extraction process  
 ICP-QQQ: Inductively Coupled Plasma-Triple Quadrupole Mass Spectrometer  
 EPS: Environmental Protection Service  
 RM: Reference Method  
 10d: 10-days  
 14d: 14-days  
 IC50: concentration of an inhibitor at which the response is decreased by half  
 20d: 20-days  
**RG\_FORENSIC:** *SCC Requirements and Guidance for the Accreditation for Forensic Testing Laboratories*

All laboratory standard operating procedures are developed in house.



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