



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

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CHEMICAL

Valid To: January 31, 2026

Certificate Number: 6206.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following chemical tests identified on the noted analytes below:

Oil

<u>Analyte</u>	<u>Test Method</u>	<u>Reference Method(s)</u>
Analysis of Polychlorinated Biphenyls (PCBs) by GC/ECD <u>PCBs - Oil</u> Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268 Total PCB	TM PCB 004-50	EPA 3580/8082 Modified

Soil

<u>Analyte</u>	<u>Test Method</u>	<u>Reference Method(s)</u>
Acid Herbicides by HPLC/MSD <u>Acid Herbicides - Soil</u> 2,4-Dichlorophenoxyacetic acid (2,4-D) 2,4-Dichlorophenoxybutyric acid (2,4-DB) Bromoxynil Clopyralid Dicamba Dichloroprop	TM PEST 006-50	EPA 3540/8321 Modified

Analyte	Test Method	Reference Method(s)
Acid Herbicides by HPLC/MSD (cont.) <u>Acid Herbicides - Soil (cont.)</u> Dinoseb Imazapyr MCPA MCPB Mecoprop (MCP) Picloram 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) 2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP)	TM PEST 006-50	EPA 3540/8321 Modified
Alcohols by Capillary Gas Chromatograph <u>Alcohols - Soil</u> 1-Butanol 1-Pentanol (Pentanol) 1-Propanol (Propanol) 2-Butanol 2-Methyl-1-Propanol (Isobutanol) 2-Methyl-2-Propanol (tert-Butyl alcohol) 2-Propanol (Isopropanol) Ethanol Methanol	TM ALC 001-50	EPA 8015 Modified
Analysis of C6-C16 Compounds, VH/VP, F1, and F2 by Headspace GC/MS/FID <u>BTEX/Petroleum Hydrocarbons (PHCs) - Soil</u> Benzene Decane Ethylbenzene F1: C6-C10 Hexane m/p-Xylene Methyl tert-butyl ether (MTBE) o-Xylene Styrene Volatile Petroleum Hydrocarbons (VPH)	TM BTX 005-50	EPA 5021/8260/CCME-CWS-PHCS-TIER 1 Modified B.C Environmental Lab Manual, VOC Soil Modified B.C Environmental Lab Manual, VH Solids Modified

Analyte	Test Method	Reference Method(s)
Analysis of Chlorinated Phenolics by In Situ Acetylation and GC/MS <u>Phenols - Soil</u> 2-Chlorophenol 3-Chlorophenol 4-Chloro-3-methylphenol 4-Chlorophenol Pentachlorophenol 2,3,4-Trichlorophenol 2,3,5-Trichlorophenol 2,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol 3,4,5-Trichlorophenol 2,3,6-Trichlorophenol 2,4,6-Trichlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol 2,3-Dichlorophenol 2,4 & 2,5-Dichlorophenol 2,6-Dichlorophenol 3,4-Dichlorophenol 3,5-Dichlorophenol	TM PCP 003-50	EPA 3650/1653/3510/8041 Modified
Analysis of Polychlorinated Biphenyls (PCBs) by GC/ECD <u>PCBs - Soil</u> Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268 Total PCB	TM PCB 004-50	EPA 3540/8082 Modified

Analyte	Test Method	Reference Method(s)
Analysis of Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS <u>PAHs - Soil</u> 1-Methylnaphthalene 2-Methylnaphthalene Acenaphthene Acenaphthylene Acridine Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene 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-c,d)pyrene Naphthalene Phenanthrene Pyrene Quinoline	TM PAH 004-50	EPA 3540/8270 Modified B.C Environmental Lab Manual, PAH Solids Modified
Carbamates by HPLC/MSD <u>Carbamates - Soil</u> Aldicarb Bendiocarb Carbaryl Carbofuran Propoxur (Baygon)	TM PEST 007-50	EPA 8318 Modified

Analyte	Test Method	Reference Method(s)
Extractable Hydrocarbons in Water and CCME/BCMELP Hydrocarbons in Soil (Benchmark and Alternative Method) by GC/FID <u>Petroleum Hydrocarbons (PHCs) - Soil/Sediment</u> (or >C34) Extractable Petroleum Hydrocarbons (EPH) C10-C19 Extractable Petroleum Hydrocarbons (EPH) C19-C32 F2: C10-C16 F3: C16-C34 F4: C34-C50 F4HTGC: C34+ Hydrocarbons Heavy Extractable Petroleum Hydrocarbons (HEPH) Light Extractable Petroleum Hydrocarbons (LEPH)	TM CCME 004-50 Alt. Method	CCME-CWS-PHCS-TIER 1 Modified B.C. Environmental Lab Manual, EPH Solids Modified
Extractable Hydrocarbons in Water and CCME/BCMELP Hydrocarbons in Soil (Benchmark and Alternative Method) by GC/FID (cont.) <u>Petroleum Hydrocarbons (PHCs) - Soil/Sediment (cont.)</u> SASK C11-C22 SASK C23-C60 SASK Total (C11-C60) TEH (C11-C40+)	TM CCME 004-50 Alt. Method	CCME-CWS-PHCS-TIER 1 Modified B.C. Environmental Lab Manual, EPH Solids Modified
Glycol Analysis by HPLC/MSD <u>Glycols - Soil</u> Diethylene glycol Ethylene glycol Propylene glycol Tetraethylene glycol Triethylene glycol	TM GLY 001-50	EPA 8321 Modified

Analyte	Test Method	Reference Method(s)
Pesticides by GC/MSD <u>Neutral Herbicides - Soil</u> Alachlor Butylate Chloropropham Dicofop-methyl EPTC (Eptam) Hexazinone Metolachlor Metribuzin Prometon Prometryn Pronamide (Propyzamide) Propazine Triallate Trifluralin <u>Organo-chloride Pesticides - Soil</u> 2,4'-DDD 2,4'-DDE 2,4'-DDT 4,4'-DDD 4,4'-DDE 4,4'-DDT Aldrin alpha-BHC alpha-Chlordane Azinphos-methyl beta-BHC Chlorothalonil Chlorpyrifos cis-Permethrin Diazinon Dieldrin Dimethoate Endosulfan I Endosulfan II Endosulfan sulfate Endrin gamma-BHC (Lindane) gamma-Chlordane Heptachlor Heptachlor epoxide Malathion Methoxychlor Mirex Parathion Phorate Propachlor Terbufos trans-Permethrin	TM PEST 012-50	EPA 8081 Modified

Analyte	Test Method	Reference Method(s)
Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method <u>Petroleum Hydrocarbons (PHCs) - Soil</u> (or >C34) F2: C10-C16 F3: C16-C34 F4: C34-C50 F4G: Gravimetric Heavy Hydrocarbons F4HTGC: C34+ Hydrocarbons	TM CCME 004-50 Benchmark Method	CCME-CWS-PHCS-TIER 1
Sterilant Scan by HPLC/MSD <u>Sterilants - Soil</u> Atrazine Bromacil Cyanazine Desethylatrazine Desisopropylatrazine Didesalkylatrazine Diuron Linuron Metoxuron Simazine Tebuthiuron	TM PEST 004-50	EPA 8321 Modified
Sulfolane, Diisopropanolamine, and Other Alkanoamines by HPLC/MSD <u>Amines - Soil</u> Diethanolamine Diisopropanolamine Ethanolamine Methyldiethanolamine Sulfolane Triethanolamine	TM SULF 001-50	EPA 8321 Modified

Analyte	Test Method	Reference Method(s)
Glycol Analysis by HPLC/MSD <u>Glycols - Soil</u> Diethylene glycol Ethylene glycol Propylene glycol Tetraethylene glycol Triethylene glycol	TM GLY 001-50	EPA 8321 Modified
Pesticides by GC/MSD <u>Neutral Herbicides - Soil</u> Alachlor Butylate Chloropropham Dicofof-methyl EPTC (Eptam) Hexazinone Metolachlor Metribuzin Prometon Prometryn Pronamide (Propyzamide) Propazine Triallate Trifluralin <u>Organo-chloride Pesticides - Soil</u> 2,4'-DDD 2,4'-DDE 2,4'-DDT 4,4'-DDD 4,4'-DDE 4,4'-DDT Aldrin alpha-BHC alpha-Chlordane Azinphos-methyl beta-BHC Chlorothalonil Chlorpyrifos cis-Permethrin Diazinon Dieldrin Dimethoate Endosulfan I Endosulfan II Endosulfan sulfate Endrin gamma-BHC (Lindane) gamma-Chlordane Heptachlor Heptachlor epoxide Malathion	TM PEST 012-50	EPA 8081 Modified

Analyte	Test Method	Reference Method(s)
Pesticides by GC/MSD (cont.) <u>Organo-phosphorus Pesticides – Soil (cont.)</u> Methoxychlor Mirex Parathion Phorate Propachlor Terbufos trans-Permethrin	TM PEST 012-50	EPA 8141 Modified
Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method <u>Petroleum Hydrocarbons (PHCs) - Soil</u> (or >C34) F2: C10-C16 F3: C16-C34 F4: C34-C50 F4G: Gravimetric Heavy Hydrocarbons F4HTGC: C34+ Hydrocarbons	TM CCME 004-50 Benchmark Method	CCME-CWS-PHCS-TIER 1
Sterilant Scan by HPLC/MSD <u>Sterilants - Soil</u> Atrazine Bromacil Cyanazine Desethylatrazine Desisopropylatrazine Didesalkylatrazine Diuron Linuron Metoxuron Simazine Tebuthiuron	TM PEST 004-50	EPA 8321 Modified
Sulfolane, Diisopropanolamine, and Other Alkanoamines by HPLC/MSD <u>Amines - Soil</u> Diethanolamine Diisopropanolamine Ethanolamine Methyldiethanolamine Sulfolane Triethanolamine	TM SULF 001-50	EPA 8321 Modified

Waste

Analyte	Test Method	Reference Method(s)
Analysis of C6-C16 Compounds, VH/VP, F1, and F2 by Headspace GC/MSD/FID	TM BTX 005-50 WI TCLP 002-50	EPA 1311/8260 Modified
<u>BTEX - Waste</u> Leachable Benzene Leachable Ethylbenzene Leachable Toluene Leachable Xylenes		

Soil and Waste

Analyte	Test Method	Reference Method(s)
Volatile Organic Compounds by GC/MS: Capillary Column Technique	TM VOC 003-50	EPA 5035/8260 Modified
<u>VOCs - Soil and Waste</u> 1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene (1,1- Dichloroethylene) 1,1-Dichloropropene 1,2,3-Trichlorobenzene 1,2,3-Trichloropropane 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloropropane 1,3,5-Trimethylbenzene 1,3-Butadiene 1,3-Dichlorobenzene 1,3-Dichloropropane 1,4-Dichlorobenzene 2,2-Dichloropropane 2-Butanone (MEK) 2-Chloroethyl vinyl ether 2-Chlorotoluene 2-Hexanone 4-Chlorotoluene 4-Methyl-2-pentanone (MIBK) Acetone (2-Propanone)		

Analyte	Test Method	Reference Method(s)
Volatile Organic Compounds by GC/MS: Capillary Column Technique (cont.) <u>VOCs - Soil and Waste (cont.)</u> Acetonitrile Acrylonitrile Allyl chloride Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodibromomethane (Dibromochloromethane) Chloroethane Chloroform (Trichloromethane) Chloromethane cis-1,2-Dichloroethene (cis-1,2- Dichloroethylene) cis-1,3-Dichloropropene cis-1,4-Dichloro-2-butene Dibromomethane Dichlorodifluoromethane Dichloromethane (Methylene chloride) Ethyl methacrylate Ethylbenzene Hexachlorobutadiene Hexachloroethane Iodomethane Isopropylbenzene m/p-Xylene Methacrylonitrile Methyl methacrylate Methyl tertiary-butyl ether (MTBE) Methylcyclohexane Naphthalene n-Butylbenzene n-Propylbenzene o-Xylene Pentachloroethane p-Isopropyltoluene Propionitrile sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene (Tetrachloroethylene)		

Analyte	Test Method	Reference Method(s)
Volatile Organic Compounds by GC/MS: Capillary Column Technique (cont.) <u>VOCs - Soil and Waste (cont.)</u> trans-1,4-Dichloro-2-butene Toluene trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene) trans-1,3-Dichloropropene Trichloroethene (Trichloroethylene) Trichlorofluoromethane Vinyl chloride		

Water

Analyte	Test Method	Reference Method(s)
Acid Herbicides by HPLC/MSD <u>Acid Herbicides - Water</u> 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T) 2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP) 2,4-Dichlorophenoxyacetic acid (2,4-D) 2,4-Dichlorophenoxybutyric acid (2,4-DB) Bromoxynil Clopyralid Dicamba Dichloroprop Dinoseb Imazapyr MCPA MCPB Mecoprop (MCP) Picloram	TM PEST 006-50	USGS O-2060-1/EPA 8321 Modified
Acid-Extractable Organics (Naphthenic Acids) in Water by FTIR <u>Naphthenic Acid - Water</u> Naphthenic Acid	TM NAS 001-50	Scott et al. Chemosphere 73 (2008) 1258-1264/doi:10.1016/j.scitotenv.2010.08.013 Modified

Analyte	Test Method	Reference Method(s)
Alcohols by Capillary Gas Chromatograph <u>Alcohols - Water</u> 1-Butanol 1-Pentanol (Pentanol) 1-Propanol (Propanol) 2-Butanol 2-Methyl-1-propanol (Isobutanol) 2-Methyl-2-propanol (tert-Butyl alcohol) 2-Propanol (Isopropanol) Ethanol Methanol	TM ALC 001-50	EPA 8015 Modified
Analysis of C6-C16 Compounds, VH/VP, F1, and F2 by Headspace GC/MS/FID <u>BTEX/Petroleum Hydrocarbons (PHCs) - Water</u> Benzene Decane Ethylbenzene F1: C6-C10 F2: C10-C16 Hexane m/p-Xylene Methyl t-butyl ether (MTBE) o-Xylene Styrene Toluene Volatile Petroleum Hydrocarbons (VPH)	TM BTX 005-50	EPA 5021/8260 Modified B.C Environmental Lab Manual, VOC Water Modified B.C Environmental Lab Manual, VH Water Modified

Analyte	Test Method	Reference Method(s)
Analysis of Chlorinated Phenolics by In Situ Acetylation and GC/MS <u>Phenols - Water</u> 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-Chlorophenol 3,4-Dichlorophenol 3,4,5-Trichlorophenol 3,5-Dichlorophenol 4-Chloro-3-methylphenol 4-Chlorophenol Pentachlorophenol	TM PCP 003-50	EPA 1653/8041 Modified
Analysis of Polychlorinated Biphenyls (PCBs) by GC/ECD <u>PCBs - Water</u> Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268 Total PCB	TM PCB 004-50	EPA 3150/8082 Modified

Analyte	Test Method	Reference Method(s)
Analysis of Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS <u>PAHs - Water</u> 1-Methylnaphthalene 2-Methylnaphthalene Acenaphthene Acenaphthylene Acridine Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene 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-c,d)pyrene Naphthalene Phenanthrene Pyrene Quinoline	TM PAH 004-50	EPA 3510/8270 Modified B.C Environmental Lab Manual, PAH Water Modified
Carbamates by HPLC/MSD <u>Carbamates - Water</u> Aldicarb Bendiocarb Carbaryl Carbofuran Propoxur (Baygon)	TM PEST 007-50	EPA 8318 Modified
Determination of Haloacetic Acids in Water by Liquid-Liquid Micro Extraction, Methylation, and GC/ECD <u>Haloacetic Acids - Water</u> Bromochloroacetic Acid (BCAA) Dibromoacetic Acid (DBAA) Dichloroacetic Acid (DCAA) Monobromoacetic Acid (MBAA) Monochloroacetic Acid (MCAA) Trichloroacetic Acid (TCAA)	TM HAA 001-50	EPA 552.3
Determination Of N-Nitrosodimethylamine (NDMA) In Water by Solid Phase Extraction and GC/MS/MS <u>N-Nitrosodimethylamine - Water</u> <u>N-Nitrosodimethylamine (NDMA)</u>	TM NDMA 001-50	EPA 521.1 Modified

Analyte	Test Method	Reference Method(s)
Extractable Hydrocarbons in Water and CCME/BCMOE Hydrocarbons in Soil (Benchmark and Alternative Method) by GC/FID <u>Petroleum Hydrocarbons (PHCs) - Water</u> Extractable Petroleum Hydrocarbons (EPH) C10-C19 Extractable Petroleum Hydrocarbons (EPH) C19-C32 F2: C10-C16 F3: C16-C34 F3+: C34+ F4: C34-C50 Heavy Extractable Petroleum Hydrocarbons (HEPH) Light Extractable Petroleum Hydrocarbons (LEPH)	TM CCME 004-50	EPA 3510/CCME-CWS-PHCS-TIER 1 Modified B.C. Environmental Lab Manual, EPH Water Modified
Glycol Analysis by HPLC/MSD <u>Glycols - Water</u> Diethylene glycol Ethylene glycol Propylene glycol Tetraethylene glycol Triethylene glycol	TM GLY 001-50	EPA 8321 Modified
Glyphosates by HPLC/MSD <u>Glyphosate - Water</u> Glyphosate	TM PEST 011-50	EPA 8321 Modified
Microcystins Analysis by ELISA Method <u>Microcystins - Water</u> Microcystins	TM ELI 001-50	Envriologix Quantiplate Kit for Microcystins

<u>Analyte</u>	<u>Test Method</u>	<u>Reference Method(s)</u>
Pesticides by GC/MSD <u>Neutral Herbicides - Water</u> Alachlor Butylate Chloropropham Diclofop-methyl EPTC Hexazinone Metolachlor Metribuzin Prometon Prometryn Pronamide (Propyzamide) Propazine Triallate Trifluralin	TM PEST 012-50	EPA 8081 Modified
Pesticides by GC/MSD <u>Organo-chlorine Pesticides - Water</u> 2,4'-DDD 2,4'-DDE 2,4'-DDT 4,4'-DDD 4,4'-DDE 4,4'-DDT Aldrin alpha-BHC alpha-Chlordane beta-BHC Chlorothalonil cis-Permethrin delta-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin gamma-BHC (Lindane) gamma-Chlordane Heptachlor Heptachlor epoxide Methoxychlor Mirex Propachlor trans-Permethrin	TM PEST 012-50	EPA 8081 Modified

Analyte	Test Method	Reference Method(s)
Pesticides by GC/MSD <u>Organo-phosphorus Pesticides - Water</u> Azinphos-methyl Chlorpyrifos Diazinon Dimethoate Malathion Parathion Phorate Terbufos	TM PEST 012-50	EPA 8141 Modified
Sterilant Scan by HPLC/MSD <u>Sterilants - Water</u> Atrazine Bromacil Cyanazine Desethylatrazine Desisopropylatrazine Didesalkylatrazine Diuron Linuron Metoxuron Simazine Tebuthiuron	TM PEST 004-50	AENV A119.0/USGS O-2060-1 Modified
Sulfolane, Diisopropanolamine, and Other Alkanoamines by HPLC/MSD <u>Amines - Water</u> Diethanolamine Diisopropanolamine Ethanolamine Methyl-diethanolamine Sulfolane Triethanolamine	TM SULF 001-50	EPA 8321 Modified

Analyte	Test Method	Reference Method(s)
Volatile Organic Compounds by GC/MS Capillary Column Technique <u>VOCs - Water</u> (1,1-Dichloroethylene) (cis-1,2-Dichloroethylene) (Methylene chloride) (trans-1,2-Dichloroethylene) 1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,1-Dichloropropene 1,2,3-Trichlorobenzene 1,2,3-Trichloropropane 1,2,4-Trichlorobenzene 1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane (Ethylene dibromide) 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloropropane 1,3,5-Trimethylbenzene 1,3-Butadiene 1,3-Dichlorobenzene 1,3-Dichloropropane 1,4-Dichlorobenzene 2,2-Dichloropropane 2-Butanone (MEK) 2-Chloroethyl vinyl ether 2-Chlorotoluene 2-Hexanone 4-Chlorotoluene 4-Methyl-2-pentanone (MIBK) Acetone (2-Propanone) Acetonitrile Acrylonitrile Allyl chloride Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorodibromomethane Chloroethane Chloroform (Trichloromethane)	TM VOC 003-50	EPA 5030/8260 Modified

<u>Analyte</u>	<u>Test Method</u>	<u>Reference Method(s)</u>
Volatile Organic Compounds by GC/MS Capillary Column Technique (cont.) <u>VOCs - Water (cont.)</u> Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene cis-1,4-Dichloro-2-butene Dibromochloromethane Dibromomethane Dichlorodifluoromethane Dichloromethane Ethyl methacrylate Ethylbenzene Hexachlorobutadiene Hexachloroethane Iodomethane Isopropyl benzene m/p-Xylene Methacrylonitrile Methyl methacrylate Methyl tertiary-butyl ether (MTBE) Methylcyclohexane Naphthalene n-Butylbenzene n-Propylbenzene o-Xylene Pentachloroethane p-Isopropyltoluene Propionitrile sec-Butylbenzene Styrene tert-Butylbenzene Tetrachloroethene (Tetrachloroethylene) Toluene trans-1,2- Dichloroethene trans-1,3-Dichloropropene trans-1,4-Dichloro-2-butene Trichloroethene (Trichloroethylene) Trichlorofluoromethane Vinyl chloride	TM VOC 003-50	EPA 5030/8260 Modified

Food

Analyte	Test Method	Reference Method
Allergens – Enzyme Linked Immunosorbent Assay (ELISA)	TM FOOD 007-50	AOAC RI 061201
Ash in Food	TM FOOD 001-50	AOAC 923.03 Modified
Bone Particle Size of Meat Samples	TM FOOD 002-50	CFIA FLS-1971-001 Modified
Moisture	TM FOOD 003-50	AOAC 950.46 Modified
pH	TM FOOD 004-50	AOAC Official Method 981.12
Total Fat	TM FOOD 005-50	AOCS Am 5-04 Modified
Water Activity	TM MICR 201-50	MFLP-66

Key: AENV: Alberta Environment

AOAC: Association of Official Analytical Collaboration

AOCS: American Oil Chemist Society

B.C. Environmental Lab Manual: British Columbia Environmental Laboratory Manual

CCME-CWS-PHCS Tier 1: Canadian Council of Ministers of the Environment, Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil - Tier 1

CFIA FLS: Canadian Food Inspection Agency - Food Laboratory Services

EPA: Environmental Protection Agency

MFLP: Health Canada Microbiology Food Laboratory Procedure

USGS: United States Geological Survey



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Calgary, Alberta, CANADA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 17th day of January 2024.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6206.02
Valid to January 31, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.