SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

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PROFICIENCY TESTING PROVIDER

Valid To: November 30, 2024 Certificate Number: 2427.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this proficiency testing provider for the design, preparation, and operation of PT schemes that meet the requirements of ISO/IEC 17043:2010 Conformity Assessment – General Requirements for Proficiency Testing and TNI Volume 3: General Requirements For Environmental Proficiency Test Providers (EL-V3-2016):

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Metals						
Aluminum	√	√	√		√	
Antimony	√	√	√		√	
Arsenic	√	√	√	√	√	
Barium	√	√	√		√	
Beryllium	√	√	√		√	
Boron	√	√	√		√	
Cadmium	√	√	√	√	√	
Calcium	√	√	√		√	
Chromium (total)	√	√	√	√	√	
Chromium (VI)	√	√	√		√	
Cobalt	√	√	√		√	
Copper	√	√	√		√	
Iron	√	√	√		√	
Lead	√	√	√	√	√	
Magnesium	√	√	√		√	
Manganese	√	√	√		√	
Mercury	√	√	√	√	√	
Molybdenum	√	√	√		√	
Nickel	√	√	√	√	√	

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Potassium	√	√	√		√	
Selenium	√	√	√		√	
Silicon	√	√				
Silver	√	√	√		√	
Sodium	√	√	√		√	
Strontium	√	√	√		√	
Thallium	√	√	√		√	
Tin	√	√	√			
Titanium	√	√	√			
Uranium	√	√	√			
Vanadium	√	√	√		√	
Lithium		√	√			
Zinc	√	√	√		√	
Nutrients						
Ammonia (As N)	√	√	√		√	
Nitrate (As N)	√	√	√		√	
Nitrate-Nitrite (As N)	√	√	√		√	
Nitrite (As N)	√	√	√		√	
Orthophosphate (As P)	√	√	√		√	
Total Kjeldahl-Nitrogen	√	√	√		√	
Total Nitrogen		√				
Total Phosphorus	√	√	√		√	
Dissolved Phosphorus		√				
Total Nitrogen		√				
Dissolved Nitrogen		√				
Demands						
Biochemical Oxygen Demand (BOD)	√	√			√	
Carbonaceous BOD	√	√			√	
Chemical Oxygen Demand (COD)	√	√			√	
Dissolved Organic Carbon (DOC)	√	√				
Total Organic Carbon (TOC)	√	√	√		√	
Minerals						
Alkalinity, Total As ($CACO_3$)	√	√			√	
Calcium	√	√	√			
Chloride	√	√	√		√	
Fluoride	√	√	√		√	
Calcium Hardness As ($CACO_3$)	√	√			√	

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Hardness, Total ($CACO_3$)	√	√			√	
Magnesium	√	√	√		√	
Potassium	√	√	√		√	
Sodium	√	√	√		√	
Specific Conductance (25°C)	√	√	√		√	
Sulfate	√	√	√		√	
Sulfide		√	√			
Total Dissolved Solids At 180°C	√	√			√	
Total Solids		√	√		√	
Microbiology						
Fecal Coliform, MF	√	√	√		√	
Escherichia Coli, MF	√	√	√		√	
Total Coliform, MF	√	√	√		√	
Enterococci, MF	√	√	√		√	
E. Coli, MPN -Multiple Tube	√	√	√		√	
E. Coli, MPN -Multiple Well	√	√	√		√	
Fecal Coliform, MPN- Multiple Tube	√	√	√		√	
Fecal Coliform, MPN- Multiple Well	√	√	√		√	
Total Coliform, MPN- Multiple Tube	√	√	√		√	
Total Coliform, MPN- Multiple Well	√	√	√		√	
Enterococci, MPN- Multiple Tube	√	√	√		√	
Enterococci, MPN- Multiple Well	√	√	√		√	
Total Coliform, P/A	√	√			√	
Fecal Coliform, P/A	√	√			√	
E. Coli, P/A	√	√			√	
Heterotrophic Plate Count, (MF, PP)	√	√			√	
Heterotrophic Plate Count, (MPN)	√	√			√	
Fecal Streptococci, MF	√	√			√	
Fecal Streptococci, MPN	√	√			√	
Miscellaneous Analytes						
Acidity, as $CaCO_3$		√				
Bromate	√					
Bromide	√	√	√			
Chlorate	√					
Chlorite	√					
Color	√	√				
Corrosivity	√		√			
Cyanide	√	√	√		√	
Glycols		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Reactive cyanide			√			
Residual free chlorine	√	√			√	
Total residual chlorine	√	√			√	
Total filterable residue	√	√				
Non-filterable residue (TSS)	√	√			√	
HEM		√	√		√	
SGT-HEM		√	√		√	
Ignitability/Flash Point			√			
Langelier index	√					
Oil & grease		√	√		√	
Perchlorate	√	√	√			
UV254	√					
Percent Moisture			√	√		
pH	√	√	√		√	
Settleable solids		√			√	
Silica as SiO_2	√	√				
Sulfate	√	√			√	
Reactive sulfide			√			
Total sulfide		√	√			
Sand, Silt and Clay			√			
Particle Size			√			
Surfactants - MBAS	√	√				
Total cyanide	√	√	√		√	
Total inorganic carbon	√	√				
Total organic halides (TOX)	√	√	√			
Total petroleum hydrocarbons (TPH)		√	√			
Total phenolics (4AAP)		√			√	
Turbidity	√	√			√	
Volatile solids	√	√	√		√	
Volatile suspended solids	√	√			√	
Water Activity				√		
Dissolved oxygen		√				
Volatiles						
Acetone		√	√	√		
Acetonitrile		√	√	√		
Acrolein		√	√			
Acrylonitrile		√	√			
Benzene	√	√	√	√		
Bromobenzene	√	√	√			
Bromochloromethane	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Bromodichloromethane	√	√	√			
Bromoform	√	√	√			
n-Butane				√		
Butanes, Total				√		
1-Butanol				√		
2-Butanol				√		
2-Butanone (MEK)		√	√			
tert-Butyl alcohol	√	√	√			
n-Butylbenzene	√	√	√			
sec-Butylbenzene	√	√	√			
tert-Butylbenzene	√	√	√			
Carbon disulfide		√	√			
Carbon tetrachloride	√	√	√			
Chloroacetaldehyde		√	√			
Chlorobenzene	√	√	√			
Chloroethane	√	√	√			
Chloroethene	√	√	√			
Chlorodibromomethane	√	√	√			
2-Chloroethylvinylether		√	√			
Chloroform	√	√	√	√		
Cumene				√		
Cyclohexane				√		
1,2-Dibromo-3-chloropropane (DBCP)	√	√	√			
2-Chlorotoluene	√	√	√			
4-Chlorotoluene	√	√	√			
Dibromochloromethane	√	√	√			
1,2-Dibromoethane (EDB)	√	√	√			
Dibromomethane	√	√	√			
1,2-Dichlorobenzene	√	√	√			
1,3-Dichlorobenzene	√	√	√			
1,4-Dichlorobenzene	√	√	√			
Dichlorodifluoromethane	√	√	√			
1,1-Dichloroethane	√	√	√			
1,2-Dichloroethane	√	√	√	√		
1,1-Dichloroethene	√	√	√			
cis-1,2-Dichloroethene	√	√	√			
1,2-Dichloropropane	√	√	√			
1,3-Dichloropropane	√	√	√			
2,2-Dichloropropane	√	√	√			
1,1-Dichloropropene	√	√	√			
cis-1,3-Dichloropropene	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
trans-1,3-Dichloropropene	√	√	√			
trans-1,2-Dichloroethlene	√	√	√			
trans-1,2-Dichloroethylene	√	√	√			
N,N-dimethylacetamide				√		
2,2-Dimethylbutane				√		
2,3-Dimethylbutane				√		
N,N-dimethylformamide				√		
1,2-Dimethoxyethane				√		
Dimethyl sulfoxide				√		
1,4-Dioxane	√	√	√	√		
Ethanol				√		
Ethyl acetate				√		
Ethylbenzene	√	√	√	√		
Ethyl-t-butylether (ETBE)	√	√	√			
Ethyl ether				√		
Ethylene glycol				√		
Ethylene Oxide				√		
2-Ethoxyethanol				√		
Formaldehyde	√	√	√			
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane	√	√	√			
Freon 11	√	√	√			
n-Heptane				√		
n-Hexane				√		
Hexanes, Total				√		
2-Hexanone		√	√			
Hexachlorobutadiene	√	√	√			
Hexachloroethane		√	√			
Di-n-butylphthalate	√					
Isobutane				√		
Isopropyl acetate				√		
Isopropylbenzene	√	√	√	√		
4-Isopropyltoluene	√	√	√			
Bromomethane	√	√	√			
Chloromethane	√	√	√			
Methanol				√		
Methylene chloride	√	√	√	√		
Methylethyl ketone				√		
2-Methylpentane				√		
3-Methylpentane				√		
4-Methyl-2-pentanone (MIBK)		√	√			
Methyl tert-butyl ether (MTBE)	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Mycotoxins				√		
Naphthalene	√	√	√			
Naphtha				√		
Nitrobenzene	√	√	√			
Petroleum Ether				√		
n-Pentane				√		
Pentanes, Total				√		
1-Pentanol				√		
n-Propane				√		
1-Propanol				√		
2-Propanol (IPA)				√		
n-Propylbenzene	√	√	√			
Pyridine		√	√	√		
Styrene	√	√	√			
Sulfolane				√		
Total THMs	√	√	√			
1,1,1,2-Tetrachloroethane	√	√	√			
1,1,2,2-Tetrachloroethane	√	√	√			
Tetrachloroethene	√	√	√			
Tetrahydrofuran				√		
Toluene	√	√	√	√		
1,1,1-Trichloroethane	√	√	√			
1,1,2-Trichloroethane	√	√	√			
Trichloroethene	√	√	√	√		
Trichlorofluoromethane	√	√	√			
1,2,3-Trichloropropane	√	√	√			
1,2,4-Trimethylbenzene	√	√	√			
1,3,5-Trimethylbenzene	√	√	√			
TAME	√	√	√			
1,2,3-trichlorobenzene	√	√	√			
1,2,4-trichlorobenzene	√	√	√			
Vinyl acetate		√	√			
Vinyl chloride	√	√	√			
m+p-Xylene	√	√	√	√		
o-Xylene	√	√	√	√		
Xylenes, total	√	√	√	√		
Di-isopropylether (DIPE)	√	√	√			
Semivolatiles						
Acenaphthene	√	√	√			
Acenaphthylene	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Acetophenone		√				
2-Amino-1-methylbenzene		√	√			
Aniline		√	√			
Anthracene	√	√	√			
Benzidine		√	√			
Benzoic acid		√	√			
Benzo (a) anthracene	√	√	√			
Benzo (b) fluoranthene	√	√	√			
Benzo (k) fluoranthene	√	√	√			
Benzo (ghi) perylene	√	√	√			
Benzo (a) pyrene	√	√	√			
Benzotrichloride		√	√			
Benzyl alcohol		√	√			
Benzyl chloride		√	√			
Biphenyl		√	√			
Bis (2-chloroethoxy) methane		√	√			
Bis (2-chloroethoxy) ether		√	√			
Bis (2-chloroisopropyl) ether		√	√			
4-Bromophenyl-phenylether		√	√			
Benzo butyl phthalate	√	√	√			
Cannabinoids			√	√		
Carbazole		√	√			
4-Chloroaniline		√	√			
4-Chloro-3-methylphenol		√	√			
1-Chloronaphthalene		√	√			
2-Chloronaphthalene		√	√			
2-Chlorophenol		√	√			
4-Chlorophenyl phenyl ether		√	√			
2-Chlorophenyl-4-nitrophenylether			√			
3-Chlorophenyl-4-nitrophenylether			√			
4-Chlorophenyl-4-nitrophenylether			√			
Diamylphthalate			√			
Chrysene	√	√	√			
Diamylphthalate			√			
Dibenzo(a,h) anthracene	√	√	√			
Dibenzofuran		√	√			
2,4-Dibromophenyl-4-nitrophenylether			√			
1,2-Dichlorobenzene		√	√			
1,3-Dichlorobenzene		√	√			
1,4-Dichlorobenzene		√	√			
3,3'-Dichlorobenzidine		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
2,4-Dichlorophenol		√	√			
2,6-Dichlorophenol		√	√			
2,4-Dichlorophenyl-3-methyl-4-nitrophenylether			√			
2,3-Dichlorophenyl-4-nitrophenylether			√			
2,4-Dichlorophenyl-4-nitrophenylether			√			
2,5-Dichlorophenyl-4-nitrophenylether			√			
2,6-Dichlorophenyl-4-nitrophenylether			√			
3,4- Dichlorophenyl-4-nitrophenylether			√			
3,5- Dichlorophenyl-4-nitrophenylether			√			
Dicyclohexylphthalate			√			
Diethylphthalate	√	√	√			
Dinonylphthalate			√			
2,4-Dimethylphenol		√	√			
Dimethylphthalate	√	√	√			
2,4-Dinitroanisole		√	√			
1,3-Dinitrobenzene		√	√			
1,4-Dinitrobenzene		√	√			
2,4-Dinitrophenol		√	√			
2,4-Dinitrotoluene		√	√			
2,6-Dinitrotoluene		√	√			
Di-n-butylphalate	√	√	√			
Di-n-octylphthalate	√	√	√			
Bis (2-ethylhexyl) phthalate	√	√	√			
Di (2-Ethylhexyl) adipate	√	√	√			
Fluoroanthene	√	√	√			
Fluorene	√	√	√			
Hexachlorobenzene		√	√			
Hexachlorobutadiene		√	√			
Hexachlorocyclohexane			√			
Hexachloroethane		√	√			
Hexachlorocyclopentadiene		√	√			
Hexyl-2-ethylhexylphthalate			√			
Indeno (1,2,3-cd) pyrene	√	√	√			
Isophorone		√	√			
Maleic anhydride			√			
Bis-(2-methoxyethyl) phthalate			√			
2-Methyl-4,6-Dinitrophenol		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
1-Methylnaphthalene	√	√				
2-Methylnaphthalene	√	√	√			
2-Methylphenol (o-Cresol)		√	√			
3-Methylphenol		√	√			
4-Methylphenol (p-Cresol)		√	√			
Tetryl (methyl-2,4,6-trinitrophenylnitramine)		√	√			
Naphthalene	√	√	√			
1,4-Naphthoquinone		√	√			
Napropamide		√				
2-Nitroaniline		√	√			
3-Nitroaniline		√	√			
4-Nitroaniline		√	√			
Nitrobenzene		√	√			
Nitroguanidine		√	√			
2-Nitrophenol		√	√			
3-Nitrophenol		√	√			
4-Nitrophenol		√	√			
4-Nitrophenylphenylether			√			
N-Nitrosodinpropylamine		√	√			
N-Nitrosodimethylamine		√	√			
N-Nitrosodiphenylamine		√	√			
N-Nitrosodiethylamine		√	√			
N-Nitroso-di-n-propylamine		√	√			
2,2'-Oxybis(1-Chloropropane)		√	√			
Pentachlorobenzene		√	√			
Pentachlorohexane		√	√			
Pentachloronitrobenzene			√	√		
Pentachlorophenol		√	√			
Phenanthrene	√	√	√			
Phenol		√	√			
Pronamide		√				
Pyrene	√	√	√			
Pyridine		√	√			
Terpenes			√	√		
1,2,3,4-Tetrachlorobenzene		√	√			
1,2,3,5-Tetrachlorobenzene		√	√			
1,2,4,5-Tetrachlorobenzene		√	√			
2,3,4,5-Tetrachlorophenol		√	√			
2,3,4,6-Tetrachlorophenol		√	√			
2,3,5,6-Tetrachlorophenol		√	√			
1,2,4-Trichlorobenzene		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
1,3,5-Trichlorobenzene		√	√			
2,4,5-Trichlorophenol		√	√			
2,4,6-Trichlorophenol		√	√			
2,3,4-Trichlorophenyl-4-nitrophenylether			√			
2,3,5-Trichlorophenyl-4-nitrophenylether			√			
2,3,6-Trichlorophenyl-4-nitrophenylether			√			
2,4,5-Trichlorophenyl-4-nitrophenylether			√			
2,4,6-Trichlorophenyl-4-nitrophenylether			√			
3,4,5-Trichlorophenyl-4-nitrophenylether			√			
1,3,5-Trinitrobenzene		√	√			
2-Amino-4,6-dinitrotoluene		√	√			
4-Amino-2,6-dinitrotoluene		√	√			
1-Chloro-2,4-dinitrobenzene		√	√			
1-Chloro-4-nitrobenzene		√	√			
4-Chloro-3-nitrotoluene		√	√			
3,5-Dichloronitrobenzene		√	√			
Dinitramine		√	√			
3,5-Dinitroaniline			√			
Pentaerythritoltetranitrate		√	√			
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)		√	√			
Hydrazine		√				
1,2-Naphthoquinone		√	√			
Nitroglycerin		√	√			
2-Nitrotoluene		√	√			
3-Nitrotoluene		√	√			
4-Nitrotoluene		√	√			
HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)		√	√			
o-Toluidene		√	√			
2,3,7,8-Tetrachloro-dibenzodioxin	√					
2,3,4,5-Tetrachloronitrobenzene			√			
2,4,6 Trichloronitrobenzene			√			
2,4,6-Trinitrotoluene		√	√			
Trifluralin (Treflan)	√	√	√			
Organic Disinfection By-Products						
Chloral Hydrate	√					

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Bromochloroacetic Acid	√					
Dibromoacetic Acid	√					
Dichloroacetic Acid	√					
Monobromoacetic Acid	√					
Monochloroacetic Acid	√					
Trichloroacetic Acid	√					
PFAS						
Per- & Polyfluoroalkyl Substances (PFAS)	√	√	√			
Polychlorinated biphenyl (PCBs)						
Total PCBs	√	√	√			
PCB Congeners (BZ 2-209)		√	√			
PCBs as decachlorobiphenyl	√	√	√			
PCB Aroclor Identification	√	√	√			
Aroclor 1016	√	√	√			
Aroclor 1221	√	√	√			
Aroclor 1232	√	√	√			
Aroclor 1242	√	√	√			
Aroclor 1248	√	√	√			
Aroclor 1254	√	√	√			
Aroclor 1260	√	√	√			
Aroclor 1016/1242	√	√	√			
PCBs in Oil						
Aroclor 1016		√	√			
Aroclor 1221		√	√			
Aroclor 1232		√	√			
Aroclor 1242		√	√			
Aroclor 1248		√	√			
Aroclor 1254		√	√			
Aroclor 1260		√	√			
Carbamates & Vidate						
Aldicarb	√	√	√	√		
Aldicarb sulfone	√	√	√			
Aldicarb sulfoxide	√	√	√			
Carbaryl	√	√	√	√		
Carbofuran	√	√	√	√		
Dioxacarb		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
3-Hydroxycarbofuran	√	√				
Methomyl	√	√	√	√		
Oxamyl (Vydate)	√	√	√	√		
Propoxur (Baygon)		√	√	√		
Methiocarb	√	√	√	√		
Diuron	√	√	√	√		
Promecarb		√	√			
Propham		√	√			
Pesticides						
Abamectin				√		
Acephate				√		
Acequinocyl				√		
Acetamiprid				√		
Alachlor	√	√	√			
Aldrin	√	√	√			
Alpha-BHC		√	√			
Alpha-Chlordane		√	√			
Ametryn		√	√			
Ancymidol				√		
Anilazine		√	√			
Atraton		√	√			
Atrazine	√	√	√			
Azinphos-Methyl (Guthion)		√	√			
Azoxystrobin				√		
Beta-BHC		√	√			
Delta-BHC		√	√			
Gamma-BHC (Lindane)		√	√			
Bifenazate				√		
Bifenthrin				√		
Boscalid				√		
Bromacil	√	√	√			
Brominal (Bromoxynil)		√	√			
Butachlor	√	√	√			
Butylate		√	√			
Captan				√		
Carbaryl	√	√	√	√		
Carbofuran	√	√	√	√		
Carbophenothion		√	√			
Chlorantraniliprole				√		
Chlordane (technical)	√	√	√	√		
Beta-Chlordane		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Chlorfenapyr				√		
Chlormequat chloride				√		
Chloropropham		√	√			
Chlorothalonil	√	√	√			
Chlorpyrifos		√	√	√		
Clofentezine				√		
Coumaphos				√		
Cyanazine		√	√			
Cyfluthrin				√		
Cypermethrin				√		
Daminozide				√		
DDD (4,4)		√	√			
DDE (4,4)		√	√			
DDT (4,4)		√	√			
Deethyl atrazine		√	√			
Demeton-o		√	√			
Demeton-s		√	√			
Diamino atrazine		√	√			
Diazinon	√	√	√	√		
Dieldrin	√	√	√			
Dimethoate	√	√	√	√		
Dimethomorph				√		
Dioxathion		√	√			
Diuron		√	√			
Dimethoate	√	√	√			
Disulfoton	√	√	√			
Diuron	√	√	√			
Dichlorvos		√	√	√		
Disulfoton		√	√			
Endosulfan I		√	√			
Endosulfan II		√	√			
Endosulfan sulfate		√	√			
Endrin	√	√	√			
Endrin aldehyde		√	√			
Endrin ketone		√	√			
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)		√	√			
Ention		√	√			
Ethephon				√		
Ethoprop		√	√			
Ethoprophos				√		
Etofenprox				√		

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Etoxazole				√		
Famphur		√	√			
Fenhexamid				√		
Fenoxycarb				√		
Fenpyroximate				√		
Fenuron		√	√			
Fipronil				√		
Flonicamid				√		
Fludioxonil				√		
Fluometuron		√	√			
Fonophos		√	√			
Gamma-Chlordane		√	√			
Heptachlor	√	√	√			
Heptachlor Epoxide (beta)	√	√	√			
Hexachlorobenzene	√	√	√			
Hexachlorocyclopentadiene	√	√	√			
Hexazinone		√	√			
Hexythiazox				√		
3-Hydroxycarbofuran		√	√			
Imazalil				√		
Imidacloprid				√		
Kresoxim-methyl				√		
Linuron (Lorox)		√	√			
Malathion		√	√	√		
Metalaxyl				√		
Methoxychlor	√	√	√			
Methyl parathion (Parathion, methyl)		√	√	√		
Metolachlor	√	√	√			
Metribuzin	√	√	√			
Mevinphos				√		
MGK-264				√		
Molinate (Odram)	√	√	√			
Monuron		√	√			
Myclobutanil				√		
Naled				√		
Neburon		√	√			
Oxamyl				√		
Paclobutrazol				√		
Parathion, ethyl		√	√			
Permethrins, Total				√		
Phorate		√	√			
Phosmet (Imidan)		√	√	√		

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Piperonyl Butoxide				√		
Prallethrin				√		
Promecarb		√	√			
Prometon	√	√	√			
Prometryn	√	√	√			
Propachlor	√	√	√			
Propazine		√	√			
Propham		√	√			
Propiconazole				√		
Propoxur (Baygon)		√	√	√		
Propozur		√	√			
Pyrethrins, Total				√		
Pyridaben				√		
Ronnel		√	√			
Siduron		√	√			
Simazine	√	√	√			
Spinetoram				√		
Spinosad				√		
Spiromesifen				√		
Spirotetramat				√		
Spiroxamine				√		
Stirophos		√	√			
Sulfotepp		√	√			
Tebuconazole				√		
Tebuthiuron		√	√			
Terbacil		√	√			
Terbufos		√	√			
Thiacloprid				√		
Thiamethoxam				√		
Thiobencarb	√	√	√			
Toxaphene	√	√	√			
Trifloxystrobin				√		
Herbicides						
Acifluorfen	√	√	√			
Bentazon	√	√	√			
Chloramden	√	√	√			
2,4-D	√	√	√			
Dacthal (DCPA)	√	√	√			
Dalapon	√	√	√			
2,4-DB	√	√	√			
Dicamba	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
3,5-Dichlorobenzoic Acid	√	√	√			
2,4-DP (Dichlorprop)	√	√	√			
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	√	√	√			
Diquat	√					
Endothall	√					
Glyphosate	√					
5-Hydroxydicamba	√					
Paraquat	√					
Pentachlorophenol	√	√	√			
Picloram	√	√	√			
2,4,5-TP (Silvex)	√	√	√			
2,4,5-T	√	√	√			
4-Nitrophenol	√	√	√			
MCPA	√	√	√			
MCPP	√	√	√			
Petroleum Hydrocarbons/ UST Analytes						
Diesel range organics (DRO)		√	√			
Gasoline range organics (GRO)		√	√			
>C10 – C12 Alliphatic Hydrocarbons		√	√			
>C10 – C12 Aromatic Hydrocarbons		√	√			
>C12 – C13 Aromatic Hydrocarbons		√	√			
>C12 – C16 Alliphatic Hydrocarbons		√	√			
>C12 – C16 Aromatic Hydrocarbons		√	√			
>C16 – C21 Aromatic Hydrocarbons		√	√			
>C21 – C34 Alliphatic Hydrocarbons		√	√			
>C21 – C34 Aromatic Hydrocarbons		√	√			
>C6 – C8 Alliphatic Hydrocarbons		√	√			
>C8 – C10 Alliphatic Hydrocarbons		√	√			
>C9 – C10 Aromatic Hydrocarbons		√	√			
>C9 – C12 Alliphatic Hydrocarbons		√	√			
>C9 – C18 Alliphatic Hydrocarbons		√	√			
Oil Range Organics (C22-C32)		√	√			
Total Petroleum Hydrocarbons		√	√			
nC6 - nC12		√	√			
nC12 - nC28		√	√			
nC28 - nC35		√	√			
Alaska - BTEX		√	√			
Alaska - GRO		√	√			
Alaska - DRO		√	√			

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Alaska - RRO		√	√			
AZ # 2 Diesel (C10-C22)		√	√			
AZ Oil Range Organics (C22-C32)		√	√			
AZ TPH (C10-C32)		√	√			
MA/NC/WA EPH		√	√			
MA/NC/WA VPH		√	√			
TX 1005		√	√			
Wisconsin DRO		√	√			
Wisconsin GRO		√	√			
Wisconsin PVOC		√	√			
n-Hexane Extractable Material (O & G)		√	√		√	
Non-Polar Extractable Material (TPH)		√	√			
DMRQA Wet						
Fathead Minnow Acute MHSF 20° - LC50		√			√	
Fathead Minnow Acute MHSF 25° - LC50		√			√	
Fathead Minnow Acute 20% DMW 25° - LC50		√			√	
Fathead Minnow Chronic MHSF - Survival NOEC		√			√	
Fathead Minnow Chronic MHSF - Growth IC25 (ON)		√			√	
Fathead Minnow Chronic MHSF - Growth IC25 (SN)		√			√	
Fathead Minnow Chronic MHSF - Growth NOEC (ON)		√			√	
Fathead Minnow Chronic MHSF - Growth NOEC (SN)		√			√	
Fathead Minnow Chronic 20% DMW - Survival NOEC		√			√	
Fathead Minnow Chronic 20% DMW -Growth IC25 (ON)		√			√	
Fathead Minnow Chronic 20% DMW -Growth IC25 (SN)		√			√	
Fathead Minnow Chronic 20% DMW -Growth NOEC (ON)		√			√	
Fathead Minnow Chronic 20% DMW -Growth NOEC (SN)		√			√	
Ceriodaphania Acute MNSF 25° - LC50		√			√	
Ceriodaphnia Acute 20% DMW 25° - LC50		√			√	

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Ceriodaphnia Acute MHSF 25° - LC50		√			√	
Ceriodaphnia Acute 20% DMW 25° - LC50		√			√	
Ceriodaphnia Chronic MHSF - Survival NOEC Survival		√			√	
Ceriodaphnia Chronic MHSF – Reproduction IC25		√			√	
Ceriodaphnia Chronic MHSF - Reproduction NOEC		√			√	
Ceriodaphnia Chronic 20% DMW - Survival NOEC		√			√	
Ceriodaphnia Chronic 20% DMW - Reproduction IC25		√			√	
Ceriodaphnia Chronic 20% DMW - Reproduction NOEC		√			√	
Daphnia Magna Acute MHSF 25° - LC50		√			√	
Daphnia Pulex Acute MHSF 20° - LC50		√			√	
Daphnia Pulex Acute MHSF 25° - LC50		√			√	
Mysid Acute 40 F 25° - LC50		√			√	
Mysid Acute SSW 25° - LC50		√			√	
Mysid Chronic SSW - Survival NOEC		√			√	
Mysid Chronic SSW - Growth IC25 (ON)		√			√	
Mysid Chronic SSW - Growth NOEC (ON)		√			√	
Mysid Chronic 40 F - Survival NOEC		√			√	
Mysid Chronic 40 F - Growth IC25 (ON)		√			√	
Mysid Chronic 40 F - Growth IC25 (SN)		√			√	
Mysid Chronic 40 F - Growth NOEC (ON)		√			√	
Mysid Chronic 40 F - Growth NOEC (SN)		√			√	
Menidia beryliana Acute 40 F 25° - LC50		√			√	
Menidia Acute SSW 25° - LC50		√			√	
Menidia Chronic SSW - Survival NOEC		√			√	
Menidia Chronic SSW - Growth IC25 (ON)		√			√	
Menidia Chronic SSW - Growth NOEC (ON)		√			√	

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Inland Silverside		√			√	
Inland Silverside (MB) Chronic 40 F -Survival NOEC		√				
Inland Silverside (MB) Chronic 40 F - Growth IC25 (ON)		√				
Inland Silverside (MB) Chronic 40 F - Growth NOEC (ON)		√				
Sheepshead Minnow Acute 40 F 25° - LC50		√			√	
Sheepshead Minnow Acute SSW 25° - LC50		√			√	
Sheepshead Minnow Chronic 40 F - Survival NOEC		√			√	
Sheepshead Minnow Chronic 40 F - Growth IC25 (ON)		√			√	
Sheepshead Minnow Chronic 40 F - Growth IC25 (SN)		√			√	
Sheepshead Minnow Chronic 40 F - Growth NOEC (ON)		√			√	
Sheepshead Minnow Chronic 40 F - Growth NOEC (SN)		√			√	
Sheepshead Minnow Chronic SSW - Survival NOEC		√			√	
Sheepshead Minnow Chronic SSW - Growth IC25 (ON)		√			√	
Sheepshead Minnow Chronic SSW - Growth NOEC (ON)		√			√	
Air Volatiles on Tube						
Acetonitrile						√
Acrolein						√
Acrylonitrile						√
Benzene						√
Bromodichloromethane						√
Bromoform						√
Bromomethane						√
2-Butanone (MEK)						√
Carbon disulfide						√
Carbon tetrachloride						√
Chlorobenzene						√
Chloroethane						√
2-Chloroethylvinylether						√
Chloroform						√
Chloromethane						√
Dibromochloromethane						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
1,2-Dibromo-3-chloropropane (DBCP)						√
1,2-Dibromoethane (EDB)						√
Dibromomethane						√
1,2-Dichlorobenzene						√
1,3-Dichlorobenzene						√
1,4-Dichlorobenzene						√
Dichlorodifluoromethane						√
1,1-Dichloroethane						√
1,2-Dichloroethane						√
1,1-Dichloroethene						√
cis-1,2-Dichloroethene						√
trans-1,2-Dichloroethene						√
1,2-Dichloropropane						√
Cis-1,3-Dichloropropylene						√
Ethylbenzene						√
2-Hexanone						√
Methylene Chloride						√
MTBE						√
4-Methyl-2-pentanone (MIBK)						√
Styrene						√
1,1,1,2-Tetrachloroethane						√
1,1,2,2-Tetrachloroethane						√
Tetrachloroethene						√
Toluene						√
1,1,2-Trichloroethane						√
1,2,3-Trichloropropane						√
Trans-1,3-Dichloropropene						√
1,1,1-Trichloroethane						√
Trichloroethene						√
Trichlorofluoromethane						√
Vinyl Acetate						√
Vinyl Chloride						√
m+p-Xylene						√
o-Xylene						√
Xylenes, total						√
Air in Summa Canister						
Acetone						√
Acetonitrile						√
Acetylene						√
Acrolein						√
Acrylonitrile						√
Benzene						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Bromochloromethane						√
Bromodichloromethane						√
Bromoform						√
Bromomethane						√
1,3-Butadiene						√
2-Butanone (MEK)						√
Carbon disulfide						√
Carbon tetrachloride						√
Chlorobenzene						√
Chloroethane						√
Chloroform						√
Chloromethane						√
Chloromethylbenzene						√
Chloroprene						√
Cyclohexane						√
Dibromochloromethane						√
1,2-Dibromoethane (EDB)						√
1,2-Dichlorobenzene						√
1,3-Dichlorobenzene						√
1,4-Dichlorobenzene						√
Dichlorodifluoromethane						√
1,1-Dichloroethane						√
1,2-Dichloroethane						√
1,1-Dichloroethene						√
cis-1,2-Dichloroethene						√
1,2-Dichloropropane						√
cis-1,3-Dichloropropene						√
trans-1,3-Dichloropropene						√
trans-1,2-Dichloroethene						√
trans-1,2-Dichloroethylene						√
1,2-Dichloro-1,1,2,2-tetrafluoroethane						√
Ethyl acetate						√
Ethyl acrylate						√
Ethylbenzene						√
Ethyl-t-butylether (ETBE)						√
n-Heptane						√
Hexachlorobutadiene						√
Hexane						√
Isopropanol						√
Methyl tert-butyl ether (MTBE)						√
Methylene chloride						√
Methyl isobutyl ketone (Hexone)						√
Methyl methacrylate						√
n-Octane						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Propylene						√
Styrene						√
T-amylmethylether (TAME)						√
1,1,2,2-Tetrachloroethane						√
Tetrachloroethene						√
Toluene						√
1,2,4-Trichlorobenzene						√
1,1,1-Trichloroethane						√
1,1,2-Trichloroethane						√
Trichloroethene						√
Trichlorofluoromethane						√
1,1,2-Trichloro-1,2,2-Trifluoroethane						√
1,2,4-Trimethylbenzene						√
1,3,5-Trimethylbenzene						√
Vinyl chloride						√
m+p-Xylene						√
o-Xylene						√
Xylenes, total						√
Air PAHs on PUF Cartridge						
Acenaphthene						√
Acenaphthylene						√
Anthracene						√
Benzo(a)anthracene						√
Benzo(b)fluoranthene						√
Benzo(k)fluoranthene						√
Benzo(g,h,i)perylene						√
Benzo(a)pyrene						√
Chrysene						√
Dibenz(a,h)anthracene						√
Fluoranthene						√
Fluorene						√
Indeno(1,2,3-cd)pyrene						√
Naphthalene						√
Phenanthrene						√
Pyrene						√
Air Pesticides on PUF Cartridge						
Aldrin						√
Alpha-BHC						√
Beta-BHC						√
Delta-BHC						√
Gamma-BHC (Lindane)						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Alpha-chlordane						√
Gamma-chlordane						√
DDD (4,4,)						√
DDE (4,4,)						√
DDT (4,4,)						√
Dieldrin						√
Endosulfan I						√
Endosulfan II						√
Endosulfan sulfate						√
Endrin						√
Endrin aldehyde						√
Heptachlor						√
Heptachlor Epoxide (beta)						√
Methoxychlor						√
Air PCBs on PUF Cartridge						
1016						√
1221						√
1232						√
1242						√
1248						√
1254						√
1260						√
Air Metals on Filter Paper						
Aluminum (Al)						√
Arsenic (As)						√
Barium (Ba)						√
Beryllium (Be)						√
Boron (B)						√
Cadmium (Cd)						√
Chromium (Cr)						√
Cobalt (Co)						√
Copper (Cu)						√
Iron (Fe)						√
Lead (Pb)						√
Manganese (Mn)						√
Molybdenum (Mo)						√
Nickel (Ni)						√
Antimony (Sb)						√
Selenium (Se)						√
Silver (Ag)						√
Strontium (Sr)						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Thallium (Tl)						√
Vanadium (V)						√
Zinc (Zn)						√
Air Mercury on Filter Paper						
Mercury (Hg)						√
Air Lead on Filter Paper						
Lead (Pb)						√
Air Cr^6 on Filter Paper						
Hexavalent Chromium						√
Air Particulates on Filter Paper						
Particulates						√
Air Formaldehyde on Sorbent Tube						
Formaldehyde						√
Air Particulates, Impinger Solution						
Particulates						√
Inorganics in Impinger Solution						
Air SO_2, Impinger Solution						
Sulfur Dioxide (SO_2)						√
Air No_x, Impinger Solution						
Oxides of Nitrogen (No_x)						√
Air H_2SO_4, Impinger Solution						
Sulfuric Acid Mist (H_2SO_4)						√
Air F, Impinger Solution						
Fluoride						√

Parameter/Analyte[1]	Drinking Water	Non-potable Water	Solid and Chemical Materials	Cannabis	DMRQA Non-potable Water[2]	Air[2]
Air HCl/Cl2, Impinger Solution						
Hydrogen Chloride						√
Hydrogen Fluoride						√
Air Trace Metals, Impinger Solution						
Aluminum (Al)						√
Antimony (Sb)						√
Arsenic (As)						√
Barium (Ba)						√
Beryllium (Be)						√
Boron (B)						√
Cadmium (Cd)						√
Chromium (Cr)						√
Cobalt (Co)						√
Copper (Cu)						√
Iron (Fe)						√
Lead (Pb)						√
Manganese (Mn)						√
Molybdenum (Mo)						√
Nickel (Ni)						√
Selenium (Se)						√
Silver (Ag)						√
Strontium (Sr)						√
Thallium (Tl)						√
Vanadium (V)						√
Zinc (Zn)						√
Air Mercury, Impinger Solution						
Mercury						√

[1] The assigned value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the TNI standards and FoPT tables and other documents distributed by accrediting agencies as applicable. The uncertainty is determined in accordance with ISO/IEC Guide 98 and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level.

[2] Denotes Non-TNI Scheme

Accredited Proficiency Testing Provider

A2LA has accredited

PHENOVA, INC.

Golden, CO

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation. This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment - General requirements for proficiency testing* and *TNI EL-V3-2016*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

Presented this 28th day of February 2023

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2427.01
Valid to November 30, 2024
Revised September 20, 2024

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.