SCOPE OF ACCREDITATION TO THE ISO/IEC 17043:2010

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PROFICIENCY TESTING PROVIDER

Valid To: December 31, 2022 Certificate Number: 1539.01

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 and TNI Volume 3: General Requirements For Environmental Proficiency Test Providers (EL-V3-2016) and for the design, preparation and operation of stationary source audit samples (SSAS) schemes that meet the requirements of TNI SSAS Program Standard Volume 1, Module 1 (V1M1-2009)-Rev0.2:

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Metals						
Aluminum	√	√	√			√
Antimony	√	√	√			√
Arsenic	√	√	√			√
Barium	√	√	√			√
Beryllium	√	√	√			√
Boron	√	√	√			√
Cadmium	√	√	√			√
Calcium	√	√	√			√
Chromium (total)	√	√	√			√
Chromium (VI)	√	√	√			√
Cobalt		√	√			√
Copper	√	√	√			√
Iron	√	√	√			√
Lead	√	√	√			√
Lithium		√				
Magnesium	√	√	√			√
Manganese	√	√	√			√
Mercury	√	√	√			√
Molybdenum	√	√	√			√
Nickel	√	√	√			√
Potassium	√	√	√			√
Selenium	√	√	√			√

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Silver	√	√	√			√
Sodium	√	√	√			√
Strontium		√	√			√
Thallium	√	√	√			√
Tin		√	√			
Titanium		√	√			
Uranium	√	√	√			
Vanadium	√	√	√			√
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		√	√			√
Demands						
Biochemical oxygen demand		√				√
Carbonaceous BOD		√				√
Chemical oxygen demand		√				√
Total organic carbon	√	√	√			√
Minerals						
Alkalinity, total ($CaCO_3$)	√	√				√
Calcium	√	√				
Chloride	√	√	√			√
Fluoride	√	√	√			√
Calcium hardness (as $CaCO_3$)	√	√	√			√
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	√	√				√
Total Coliform, MF	√	√				√
Fecal Coliform, MPN	√	√				√

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Total Coliform, MPN	√	√				√
Total Coliform (p/a)	√					
Fecal Coliform (p/a)	√					
E. coli (p/a)	√					
E. coli (MPN)	√	√				√
E. coli (MF)	√	√				√
Enterococci, MF		√				
Enterococci, MPN		√				
Enterococci, (p/a)		√				
Fecal Streptococci, MF		√				
Fecal Streptococci, MPN		√				
Heterotrophic Plate Count (MF/PP)	√	√				
Heterotrophic Plate Count (MPN)	√	√				
Miscellaneous Analytes						
Acidity (as $CaCO_3$)		√				
Alkalinity (as $CaCO_3$)	√	√				√
Bromate	√					
Bromide	√	√	√			
Ca Hardness (as $CaCO_3$)	√	√				
Chlorate	√					
Chlorite	√					
Color	√	√				
Corrosivity	√		√			
Cyanides (Total, Free, Amenable to chlorination)	√	√	√			√
Dissolved organic carbon	√					
Dissolved oxygen		√				
HEM		√				
Ignitability			√			
Langelier index	√					
Nitrogen oxide						
Non-filterable residue (TSS)	√	√				√
Oil and Grease		√	√			√
Perchlorate	√	√				
pH	√	√	√			√
Reactive cyanide	√		√			
Reactive sulfide			√			
Total residual chlorine	√	√				√
Residual free chlorine	√	√				√
Settleable solids		√				√
SGT-HEM		√				
Silica (as SiO_2)	√	√				
Sulfate	√	√				√
Sulfite		√				
Surfactants-MBAS	√	√				
Total filterable residue (TDS)	√	√				√

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Total Hardness (as $CaCO_3$)	√	√				√
Total organic halides (TOX)		√				
Total phenolics (4-AAP)	√	√				√
Total sulfide			√			
Turbidity	√	√				√
UV 254	√					
Volatile solids		√				
Volatiles						
Acetaldehyde					√	
Acetone		√	√		√	
Acetonitrile		√	√		√	
Acrolein		√	√		√	
Acrylonitrile		√			√	
Benzene	√	√	√		√	
Benzaldehyde					√	
Benzyl chloride					√	
Bromobenzene	√	√	√		√	
Bromochloromethane	√	√	√		√	
Bromodichloromethane	√	√	√		√	
Bromoform	√	√	√		√	
Bromomethane	√	√	√		√	
1,3-Butadiene					√	
2-Butanone (MEK)		√	√		√	
Tert-butyl Alcohol	√					
n-Butylbenzene	√	√	√		√	
sec-Butylbenzene	√	√	√		√	
tert-Butylbenzene	√	√	√		√	
Butylaldehyde (butanal)					√	
Carbon disulfide		√	√		√	
Carbon tetrachloride	√	√	√		√	
Chloroacetaldehyde			√			
Chlorobenzene	√	√	√		√	
Chloroethane	√	√	√		√	
Chlorodibromomethane	√	√	√		√	
2-Chloroethylvinylether		√	√		√	
Chloroform	√	√	√		√	
Chloromethane	√	√	√		√	
1,2-Dibromo-3-chloropropane (DBCP)	√	√	√		√	
2-Chlorotoluene	√	√	√		√	
4-Chlorotoluene	√	√	√		√	
Crotonaldehyde					√	
Cyclohexane					√	
Dibromochloromethane		√				
1,2-Dibromoethane (EDB)	√	√	√		√	
Dibromomethane	√	√	√		√	
1,2-Dichlorobenzene	√	√	√		√	

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
1,3-Dichlorobenzene	√	√	√		√	
1,4-Dichlorobenzene	√	√	√		√	
Dichlorodifluoromethane	√	√	√		√	
1,1-Dichloroethane	√	√	√		√	
1,2-Dichloroethane	√	√	√		√	
1,1-Dichloroethylene	√	√	√		√	
cis-1,2-Dichloroethylene	√	√	√		√	
1,2-Dichloropropane	√	√	√		√	
1,3-Dichloropropane	√	√	√		√	
2,2-Dichloropropane	√	√	√		√	
1,1-Dichloropropene	√	√	√		√	
cis-1,3-Dichloropropylene	√	√	√		√	
trans-1,3-Dichloropropylene	√	√	√		√	
trans-1,2-Dichloroethylene	√	√	√		√	
1,2-Dichlorotetrafluoroethane (Freon 114)					√	
Di-isopropylether	√					
2,5-Dimethylbenzaldehyde					√	
1,4-Dioxane	√	√	√			
Ethyl acetate					√	
Ethylbenzene	√	√	√		√	
Ethyl-t-butylether (ETBE)	√		√			
Ethylene dibromide (EDB)	√		√			
p-Ethyltoluene					√	
Formaldehyde					√	
n-Heptane					√	
Hexaldehyde					√	
n-Hexane					√	
2-Hexanone		√	√		√	
Hexachlorobutadiene	√	√	√		√	
Hexachloroethane		√	√		√	
Di-n-butylphthalate	√					
Isopropyl alcohol					√	
Isopropylbenzene	√	√	√		√	
4-Isopropyltoluene	√	√	√		√	
Isovaleraldehyde					√	
Methylene chloride	√	√	√		√	
Methyl methacrylate					√	
4-Methyl-2-pentanone (MIBK)		√	√		√	
Methyl tert-butyl ether (MTBE)	√	√	√		√	
Naphthalene	√	√	√		√	
Nitrobenzene		√	√		√	
1-Phenylpropane	√					
Propionaldehyde (propanol)					√	
n-Propylbenzene	√	√	√		√	
Propylene					√	
Pyridine			√			
Styrene	√	√	√		√	

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
1,1,1,2-Tetrachloroethane	√	√	√		√	
1,1,2,2-Tetrachloroethane	√	√	√		√	
Tetrachloroethylene	√	√	√		√	
o-Tolualdehyde					√	
m-Tolualdehyde					√	
p-Tolualdehyde					√	
Toluene	√	√	√		√	
2-Amino-1-methylbenzene			√			
1,2,3-Trichlorobenzene	√	√	√		√	
1,2,4-Trichlorobenzene	√	√	√		√	
1,1,1-Trichloroethane	√	√	√		√	
1,1,2-Trichloroethane	√	√	√		√	
Trichloroethylene/Trichloroethene	√	√	√		√	
Trichlorofluoromethane	√	√	√		√	
1,2,3-Trichloropropane	√	√	√		√	
Trichlorotrifluoroethane (Freon 113)	√				√	
1,2,4-Trimethylbenzene	√	√	√		√	
1,3,5-Trimethylbenzene	√	√	√		√	
TAME	√		√			
Valeraldehyde (pentanal)					√	
Vinyl acetate		√	√		√	
Vinyl bromide					√	
Vinyl chloride	√	√	√		√	
Xylenes, (total, o, m&p)	√	√	√		√	
Semi-Volatiles						
Acenaphthene	√	√	√		√	
Acenaphthylene	√	√	√		√	
Aniline		√	√		√	
Anthracene	√	√	√		√	
Benzidine		√	√		√	
Benzoic acid		√	√		√	
Benzo (a) anthracene	√	√	√		√	
Benzo (b) fluoranthene	√	√	√		√	
Benzo (k) fluoranthene	√	√	√		√	
Benzo (g, h, i) perylene	√	√	√		√	
Benzo (a) pyrene	√	√	√		√	
Benzotrichloride			√			
Benzyl alcohol		√	√		√	
Benzyl chloride			√			
bis(2-chloroethoxy) methane		√	√		√	
bis (2-chloroethyl) ether		√	√		√	
2,2'-Oxybis(1-chloropropane)		√	√		√	
4-Bromophenyl-phenylether		√	√		√	
Butylbenzylphthalate	√	√	√		√	
Carbazole		√	√		√	

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
4-Chloroaniline		√	√		√	
4-Chloro-3-methylphenol		√	√		√	
1-Chloronaphthalene		√	√		√	
2-Chloronaphthalene		√	√		√	
2-Chlorophenol		√	√		√	
4-Chlorophenylphenyl ether		√	√		√	
Chrysene	√	√	√		√	
Dibenzo (a,h) anthracene	√	√	√		√	
Dibenzofuran		√	√		√	
1,2-Dichlorobenzene		√	√		√	
1,3-Dichlorobenzene		√	√		√	
1,4-Dichlorobenzene		√	√		√	
3,3'-Dichlorobenzidine		√	√		√	
2,4-Dichlorophenol		√	√		√	
2,6-Dichlorophenol		√	√		√	
Diethylphthalate	√	√	√		√	
2,4-Dimethylphenol		√	√		√	
Dimethylphthalate	√	√	√		√	
1,3-Dinitrobenzene		√	√			
1,4-Dinitrobenzene			√			
2,4-Dinitrophenol		√	√		√	
2,4-Dinitrotoluene		√	√		√	
2,6-Dinitrotoluene		√	√		√	
Di-n-butylphalate	√	√	√		√	
Di-n-octylphthalate	√	√	√		√	
1,4-Dioxane	√	√	√			
bis (2-ethylhexyl) phthalate	√	√	√		√	
bis (2-Ethylhexyl) adipate	√					
Fluoroanthene	√	√	√		√	
Fluorene	√	√	√		√	
Hexachlorobenzene		√	√		√	
Hexachlorobutadiene		√	√		√	
Hexachloroethane		√	√		√	
Hexachlorocyclopentadiene		√	√		√	
Indeno (1,2,3-cd) pyrene	√	√	√		√	
Isophorone		√	√		√	
2-Methyl-4,6-dinitrophenol		√	√		√	
1-Methylnaphthalene		√			√	
2-Methylnaphthalene		√	√		√	
2-Methylphenol (o-Cresol)		√	√		√	
3-Methylphenol			√			
4-Methylphenol (p-Cresol)		√	√		√	
Naphthalene	√	√	√		√	
1,4-Naphthoquinone			√			
2-Nitroaniline		√	√		√	
3-Nitroaniline		√	√		√	
4-Nitroaniline		√	√		√	
Nitrobenzene		√	√		√	

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
2-Nitrophenol		√	√		√	
3-Nitrophenol		√	√		√	
4-Nitrophenol	√	√	√		√	
4-Nitrophenylphenylether			√			
n-Nitrosodiethylamine		√	√		√	
n-Nitrosodimethylamine		√	√		√	
n-Nitrosodiphenylamine		√	√		√	
n-Nitroso-di-n-propylamine		√	√		√	
Pentachlorobenzene		√	√		√	
Pentachlorohexane			√			
Pentachloronitrobenzene			√			
Pentachlorophenol		√	√		√	
Phenanthrene	√	√	√		√	
Phenol		√	√		√	
Pyrene	√	√	√		√	
Pyridine		√	√		√	
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			√			
o-Toluidine		√	√		√	
1,2,4-Trichlorobenzene		√	√		√	
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			√			
3,5-Dichloronitrobenzene			√			
Dinitramine			√			
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)		√	√			
1,2-Naphthoquinone			√			

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
2-Nitrotoluene		√	√			
3-Nitrotoluene		√	√			
4-Nitrotoluene		√	√			
HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)		√	√			
1-Phenylpropane			√			
2,3,7,8-Tetrachloro-dibenzodioxin	√					
2,3,4,5-Tetrachloronitrobenzene			√			
Tetryl(methyl-2,4,6-trinitrophenylnitramine)		√	√			
2,4,6-Trinitrotoluene		√	√			
2,4-Dinitrotoluene		√	√			
2,6-Dinitrotoluene		√	√			
Nitrobenzene		√	√			
PFAS						
Per & Polyfluoroalkyl Substances	√	√	√			
Organic Disinfection By-Products						
Chloral Hydrate	√					
Bromochloroacetic Acid	√					
Dibromoacetic Acid	√					
Dichloroacetic Acid	√					
Monobromoacetic Acid	√					
Monochloroacetic Acid	√					
Trichloroacetic Acid	√					
PCBs						
PCBs as decachlorobiphenyl	√					
PCB aroclor identification	√					
Aroclor 1016	√	√	√		√	
Aroclor 1221	√	√	√		√	
Aroclor 1232	√	√	√		√	
Aroclor 1242	√	√	√		√	
Aroclor 1248	√	√	√		√	
Aroclor 1254	√	√	√		√	
Aroclor 1260	√	√	√		√	
PCB Congeners	√	√	√			
<u>PCBs in Oil</u>						
Aroclor 1016		√	√			
Aroclor 1221		√	√			
Aroclor 1232		√	√			
Aroclor 1242		√	√			
Aroclor 1248		√	√			
Aroclor 1254		√	√			

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Aroclor 1260		√	√			
Carbamates and Vydate						
3-Hydroxycarbofuran	√	√	√			
Aldicarb	√	√	√			
Aldicarb sulfone	√	√	√			
Aldicarb sulfoxide	√	√	√			
Baygon	√	√	√			
Carbaryl	√	√	√			
Carbofuran	√	√	√			
Dioxacarb			√			
Diuron		√	√			
Methiocarb	√	√	√			
Methomyl	√	√	√			
Oxamyl (Vydate)	√	√	√			
Promecarb			√			
Propham		√	√			
Pesticides						
Alachlor	√	√				
Aldicarb			√			
Aldicarb sulfone			√			
Aldicarb sulfoxide			√			
Aldrin	√	√	√		√	
Alpha-chlordane		√	√		√	
Ametryn		√				
Anilazine		√				
Atraton		√				
Atrazine	√	√				
Azinphos-methyl (Guthion)		√	√			
alpha-BHC		√	√		√	
beta-BHC		√	√		√	
delta-BHC		√	√		√	
gamma-BHC (Lindane)		√	√		√	
Bromacil	√	√				
Brominal (Bromoxynil)						
Butachlor	√	√				
Butylate		√				
Carbaryl			√			
Carbofuran			√			
Carbophenothion		√				
Chlordane (technical)	√	√	√			
alpha-Chlordane		√	√			
gamma-Chlordane		√	√			
Chlorothalonil	√					
Chlorpyrifos		√	√			
Cyanazine		√				

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
DDD (4,4)		√	√		√	
DDE (4,4)		√	√		√	
DDT (4,4)		√	√		√	
Deethyl atrazine		√				
Deisopropyl atrazine		√				
Demeton-o		√	√			
Demeton-s		√	√			
Demeton		√	√			
Diaminoatrazine		√				
Diazinon	√	√	√			
Dichlorvos (DDVP)		√	√			
Dieldrin	√	√	√		√	
Dioxathion		√				
Dimethoate	√	√				
Disulfoton		√	√			
Diuron	√	√	√			
Endosulfan I		√	√		√	
Endosulfan II		√	√		√	
Endosulfan sulfate		√	√		√	
Endrin	√	√	√		√	
Endrin aldehyde		√	√		√	
Endrin ketone		√	√		√	
EPTC (Eptam, s-ethyl-dipropyl thiocarbamate)		√				
Ethion		√				
Ethoprop		√				
Famphur		√				
Fenuron		√				
Fenitrothion	√	√	√			
Fluometuron		√				
Fonophos		√				
gamma-BHC (Lindane)	√	√			√	
gamma-Chlordane		√	√		√	
Heptachlor	√	√	√		√	
Heptachlor epoxide (beta)	√	√	√		√	
Hexachlorobenzene	√					
Hexachlorocyclopentadiene	√					
Hexazinone		√				
3-Hydroxycarbofuran			√			
Linuron (Lorox)		√				
Malathion		√	√			
Methoxychlor	√	√	√		√	
Metolachlor	√	√				
Metribuzin	√	√				
Molinate (Odram)	√					
Monuron		√				
Napropamide		√				
Neburon		√				

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Parathion, (including methyl, ethyl)	√	√	√			
Phorate		√	√			
Phosmet (Imidan)		√				
Promecarb			√			
Prometon	√	√				
Prometryn	√	√				
Pronamide		√				
Propachlor	√	√				
Propazine		√				
Propham		√				
Propoxur			√			
Ronnel		√	√			
Siduron		√				
Simazine	√	√				
Stirophos		√	√			
Tebuthiuron		√				
Terbacil		√				
Terbufos		√	√			
Thiobencarb	√					
Toxaphene	√	√	√			
Trifluralin (Treflan)	√	√	√			
Herbicides						
Acifluorfen	√	√	√			
Bentazon	√	√	√			
Chloramben	√	√	√			
2,4-D	√	√	√			
Dacthal (DCPA)	√	√	√			
Dalapon	√	√	√			
2,4-DB	√	√	√			
Dicamba	√	√	√			
3,5-Dichlorobenzoic acid	√	√	√			
2,4-DP (Dichlorprop)	√	√	√			
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	√	√	√			
Diquat	√					
Disulfoton		√	√			
Endothall	√					
Glyphosate	√					
5-Hydroxydicamba	√					
MCPA		√	√			
MCPP		√	√			
4-Nitrophenol	√	√	√			
Paraquat	√					
Pentachlorophenol	√	√	√			
Picloram	√	√	√			

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Chloramben	√	√	√			
2,4,5-TP (Silvex)	√	√	√			
2,4,5-T	√	√	√			
Glycols						
Diethylene glycol		√	√			
Ethylene glycol		√	√			
Propylene glycol		√	√			
Tetraethylene glycol		√	√			
Triethylene glycol		√	√			
Petroleum Hydrocarbons/UST Analytes						
Diesel range organics (DRO)		√	√			
Gasoline range organics (GRO)		√	√			
Total petroleum hydrocarbons		√	√			
Alaska BTEX (AK-101)		√	√			
Alaska GRO (AK-101)		√	√			
Alaska DRO (AK-102)		√	√			
Alaska RRO (AK-103)			√			

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Arizona No. 2 Diesel (C10-C22)		√	√			
Arizona Oil Range Organics (C22-C32)		√	√			
Arizona TPH (C10-C32)		√	√			
Massachusetts EPH		√	√			
Massachusetts VPH		√	√			
C9-C10 Aromatic Hydrocarbons		√	√			
C9-C18 Aliphatic Hydrocarbons		√	√			
C19-C36 Aliphatic Hydrocarbons		√	√			
C11-C22 Aromatic Hydrocarbons		√	√			
C5-C8 Aliphatic Hydrocarbons		√	√			
C9-C12 Aliphatic Hydrocarbons		√	√			
New Jersey EPH			√			
Texas 1005 No. 2 Diesel		√	√			
Texas 1005 Unleaded Gasoline		√	√			
Texas 1005 TPH		√	√			
Washington HEM/SGT-HEM (EPA 1664)		√				
Wisconsin DRO		√				
Wisconsin GRO/PVOC		√				
Radiochemistry						
Gross alpha	√					
Gross Beta	√					
Barium-133	√					
Cesium-134	√					
Cesium-137	√					
Cobalt-60	√					
Zinc-65	√					
Tritium	√					
Iodine-131	√					
Radium-226	√					
Radium-228	√					
Strontium-89	√					
Strontium-90	√					
Uranium (Natural)	√					
DMR-QA WET						
Fathead minnow - acute – MHSF - 25° - LC50		√				√
Fathead minnow – acute - 20% DMW - 25°- LC50		√				√
Fathead minnow - chronic MHSF - 25° - NOEC survival		√				√
Fathead minnow - chronic MHSF- 25°- IC25 (ON) growth		√				√

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Fathead minnow - chronic MHSF - 25° - NOEC (ON) growth		√				√
Fathead minnow - chronic - 20% DMW - 25°- NOEC survival		√				√
Fathead minnow - chronic - 20% DMW - 25°- IC25 (ON) growth		√				√
Fathead minnow - chronic - 20% DMW - 25°- NOEC (ON) growth		√				√
Ceriodaphnia dubia – acute – MHSF - 25° -LC50		√				√
Ceriodaphnia dubia - acute - 20% DMW - 25° - LC 50		√				√
Ceriodaphnia dubia – 3 brood – chronic - MHSF- 25°- NOEC survival		√				√
Ceriodaphnia dubia – 3 brood – chronic - MHSF- 25°- IC25 reproduction		√				√
Ceriodaphnia dubia – 3 brood – chronic - MHSF- 25°- NOEC reproduction		√				√
Ceriodaphnia dubia – 3 brood – chronic – 20% DMW- 25°- NOEC survival		√				√
Ceriodaphnia dubia – 3 brood – chronic – 20% DMW- 25°- IC25 reproduction		√				√
Ceriodaphnia dubia – 3 brood – chronic – 20% DMW- 25°- NOEC reproduction		√				√
Daphnia magna - acute - MHSF 25° - LC50		√				√
Daphnia pulex - acute - MHSF 25° - LC50		√				√
Mysid - acute – SSW - 25°-LC50		√				√
Mysid – chronic – SSW – 25° - NOEC survival		√				√
Mysid – chronic – SSW – 25° - IC25 (ON) growth		√				√
Mysid – chronic – SSW – 25° - NOEC (ON) growth		√				√
Inland silverside – acute – SSW - 25° - LC50		√				√
Inland silverside – chronic – SSW – 25° - NOEC survival		√				√
Inland silverside – chronic – SSW - 25° - IC25 (ON) growth		√				√
Inland silverside – chronic – SSW – 25° - NOEC (ON) growth		√				√

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Sheepshead minnow - acute - SSW -25°- LC50		√				√
Sheepshead minnow - chronic - SSW -25°- NOEC survival		√				√
Sheepshead minnow - chronic - SSW -25°- IC25 (ON) growth		√				√
Sheepshead minnow - chronic - SSW -25°- NOEC (ON) growth		√				√
Air & Emissions Inorganics in Impinger Solutions						
Particulate Matter					√	
Ammonium					√	
Sulfur Dioxide				√	√	
Sulfuric Acid				√	√	
Oxides of Nitrogen				√	√	
Bromine					√	
Chlorine					√	
Fluoride				√	√	
Hydrogen Bromide					√	
Hydrogen Chloride				√	√	
Hydrogen Fluoride				√	√	
Total Halides					√	
Total Halogens					√	
Inorganics on Filters						
Particulate Matter					√	
Metals on Filters						
Antimony				√	√	
Arsenic				√	√	
Barium				√	√	
Beryllium				√	√	
Cadmium				√	√	
Chromium				√	√	
Hexavalent Chromium					√	
Cobalt				√	√	
Copper				√	√	
Lead				√	√	
Manganese				√	√	
Phosphorus					√	
Nickel				√	√	
Selenium				√	√	
Silver				√	√	

Parameter/Analyte[1]	Drinking Water	Non-Potable Water	Solid & Chemical Materials	SSAS[2]	Air[3]	DMR-QA[3]
Thallium				√	√	
Zinc				√	√	
Mercury				√	√	
Metals in Impinger Solutions						
Antimony				√	√	
Arsenic				√	√	
Barium				√	√	
Beryllium				√	√	
Cadmium				√	√	
Chromium				√	√	
Hexavalent Chromium					√	
Cobalt				√	√	
Copper				√	√	
Lead				√	√	
Manganese				√	√	
Nickel				√	√	
Phosphorus					√	
Selenium				√	√	
Silver				√	√	
Thallium				√	√	
Zinc				√	√	
Mercury				√	√	

[1] Assigned values and associated uncertainties are determined by consensus of participants' values, known values, certified reference values or reference values within published target concentration ranges. Published concentration ranges are consistent with the TNI FoPT tables where relevant.

[2] TNI Stationary Source Audit Sample Program.

[3] Denotes non-TNI PT schemes.

Accredited Proficiency Testing Provider

A2LA has accredited

ERA

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,* TNI *EL-V3-2016, and* TNI SSAS *V1M1-2009*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

Presented this 3rd day of December 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1539.01
Valid to December 31, 2022
Revised September 22, 2022

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