



THE AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION

ACCREDITED PROFICIENCY TESTING PROVIDER

A2LA has accredited

ABSOLUTE STANDARDS, INC.

Hamden, CT


for technical competence as a

Proficiency Testing Provider

This accreditation covers the specific proficiency testing samples listed on the agreed upon Scope of Accreditation. This provider meets the ILAC G-13:2007 Guidelines for the Requirements for the Competence of Providers of Proficiency Testing, ISO Guide 43-1:1997, the EPA National Standards for Water Proficiency Testing Studies Criteria Document, as well as the relevant elements of ISO/IEC 17025:2005, ISO Guide 34 and the 2003 NELAC Chapters 2 and 5.



Presented this 5th day of March 2009



President and CEO
For the Accreditation Council
Certificate Number 2429.01
Valid to December 31, 2010

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

SCOPE OF ACCREDITATION TO THE ISO GUIDE 43-1:1997 and ILAC G13:2007

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PROFICIENCY TESTING PROVIDER

Valid To: December 31, 2010

Certificate Number: 2429.01

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 Guide 43-1:1997, ILAC G13:2007, EPA National Standards for Water Proficiency Testing Studies Criteria Document, and relevant sections of ISO Guide 34:2000, ISO/IEC 17025:2005 and 2003 NELAC Chapter 2 and Chapter 5:

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
<u>Metals</u>				
Aluminum	√	√	√	√
Antimony	√	√	√	√
Arsenic	√	√	√	√
Barium	√	√	√	√
Beryllium	√	√	√	√
Boron	√	√	√	√
Cadmium	√	√	√	√
Calcium	√	√	√	√
Chromium (total)	√	√	√	√
Chromium (VI)	√	√	√	√
Cobalt		√	√	√
Copper	√	√	√	√
Iron	√	√	√	√
Lead	√	√	√	√
Magnesium	√	√	√	√
Manganese	√	√	√	√
Mercury	√	√	√	√
Molybdenum	√	√	√	√
Nickel	√	√	√	√
Potassium	√	√	√	√
Selenium	√	√	√	√
Silicon	√	√		
Silver	√	√	√	√
Sodium	√	√	√	√

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Strontium		√	√	√
Thallium	√	√	√	√
Tin		√	√	
Titanium		√	√	√
Vanadium	√	√	√	√
Zinc	√	√	√	√
<u>Nutrients</u>				
Ammonia (as N)	√	√	√	√
Nitrate (as N)	√	√	√	√
Nitrate-nitrite (as N)	√	√		√
Nitrite (as N)	√	√		√
Orthophosphate (as P)	√	√	√	√
Total Kjeldahl-nitrogen		√	√	√
Total phosphorus	√	√	√	√
<u>Demands</u>				
Biochemical oxygen demand		√		√
Carbonaceous BOD		√		√
Chemical oxygen demand		√		√
Total organic carbon	√	√	√	√
<u>Minerals</u>				
Alkalinity, total (as CaCO ₃)	√	√		√
Calcium	√	√	√	√
Chloride	√	√	√	√
Fluoride	√	√	√	√
Calcium hardness (as CaCO ₃)	√	√		√
Hardness, total (as CaCO ₃)	√	√		√
Magnesium	√	√	√	√
Potassium	√	√	√	√
Sodium	√	√	√	√
Specific conductance (25°C)	√	√		√
Sulfate	√	√	√	
Sulfite		√		
Total dissolved solids	√	√		√
Total solids	√	√		√
<u>Miscellaneous Analytes</u>				
Acidity (as CaCO ₃)		√		
Alkalinity (as CaCO ₃ /L)	√	√		√
Bromate	√	√		
Bromide	√	√	√	
Ca hardness (as CaCO ₃)	√	√		√
Total hardness (as CaCO ₃)	√	√		√
Chlorate	√	√		
Chlorite	√	√		

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Color	√	√		
Corrosivity	√		√	
Cyanide	√	√	√	√
Residual free chlorine	√	√		√
Total residual chlorine	√	√		√
Total filterable residue	√	√		√
Non-filterable residue	√	√		√
Ignitability			√	
Langelier index	√			
Oil and grease		√		√
Perchlorate	√	√	√	
pH	√	√	√	√
Settleable solids		√		√
Silica (as SiO ₂)	√	√		
Sulfate	√	√	√	√
Sulfite - SO ₃				
Reactive sulfide		√	√	
Total sulfide		√	√	
Surfactants - MBAS	√	√		
Total cyanide	√	√	√	√
Total organic halides (TOX)		√		
Total petroleum hydrocarbons (TPH)		√	√	
Total phenolics (4AAP)		√		√
Total residual chlorine	√	√		√
Turbidity	√	√		√
Volatile solids		√		
Volatile suspended solids		√		
UV 254	√	√		
<u>Volatiles</u>				
Acetone		√	√	
Acetonitrile		√		
Acrolein		√		
Acrylonitrile		√		
Benzene	√	√	√	
Bromobenzene	√	√	√	
Bromochloromethane	√	√	√	
Bromodichloromethane	√	√	√	
Bromoform	√	√	√	
2-Butanone (MEK)		√	√	
tert-Butyl alcohol	√	√	√	
n-Butylbenzene	√	√	√	
sec-Butylbenzene	√	√	√	
tert-Butylbenzene	√	√	√	
Carbon disulfide	√	√	√	
Carbon tetrachloride	√	√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Chloroacetaldehyde		√	√	
Chlorobenzene	√	√	√	
Chloroethane	√	√	√	
Chlorodibromomethane	√	√	√	
2-Chloroethylvinylether		√	√	
Chloroform	√	√	√	
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	√	√	√	
cis-1,3-Dichloropropene	√	√	√	
trans-1,3-Dichloropropene	√	√	√	
trans-1,2-Dichloroethene	√	√	√	
Ethylbenzene	√	√	√	
Ethyl-t-butyl ether (ETBE)	√	√	√	
Formaldehyde	√	√		
Freon 113	√	√	√	
Freon 11	√	√	√	
2-Hexanone		√	√	
Hexachlorobutadiene	√	√	√	
Di-n-butylphthalate	√	√	√	
Isopropylbenzene	√	√	√	
4-Isopropyltoluene	√	√	√	
Bromomethane	√	√	√	
Chloromethane	√	√	√	
Methylene chloride	√	√	√	
4-Methyl-2-pentanone (MIBK)	√	√	√	
Methyl tert-butyl ether (MTBE)	√	√	√	
n-Propylbenzene	√	√	√	
Pyridine		√	√	
Styrene	√	√	√	
Tert-Amyl methyl ether (TAME)	√	√	√	
1,1,1,2-Tetrachloroethane	√	√	√	
1,1,2,2-Tetrachloroethane	√	√	√	
Tetrachloroethene	√	√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Toluene	√	√	√	
2-Amino-1-methylbenzene			√	
1,2,3-Trichlorobenzene	√	√	√	
1,2,4-Trichlorobenzene	√	√	√	
1,1,1-Trichloroethane	√	√	√	
1,1,2-Trichloroethane	√	√	√	
Trichloroethene	√	√	√	
Trichlorofluoromethane	√	√	√	
1,2,3-Trichloropropane	√	√	√	
Trichlorotrifluoroethane	√	√	√	
1,2,4-Trimethylbenzene	√	√	√	
1,3,5-Trimethylbenzene	√	√	√	
Vinyl acetate		√	√	
Vinyl chloride	√	√	√	
Xylenes, total	√	√	√	
Di-isopropylether	√	√	√	
1-Phenylpropane	√	√	√	
<u>Semivolatiles</u>				
Acenaphthene	√	√	√	
Acenaphthylene	√	√	√	
Acetophenone		√	√	
Anilene		√	√	
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	√	√	√	
Carbazole		√	√	
4-Chloroanilene		√	√	
Chloroethene	√	√	√	
4-Chloro-3-methylphenol		√	√	
1-Chloronaphthalene		√	√	
2-Chloronaphthalene	√	√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
2-Chlorophenol		√	√	
4-Chlorophenyl phenyl 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-butylphthalate	√	√	√	
Di-n-octylphthalate	√	√	√	
Bis (2-ethylhexyl) phthalate	√	√	√	
Di (2-ethylhexyl) adipate	√	√	√	
Di (2-ethylhexyl) phthalate	√	√	√	
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)		√	√	
Tetryl (methyl-2,4,6-trinitrophenylnitramine)		√	√	
Naphthalene	√	√	√	
1,4-Naphthoquinone		√	√	
Napropamide		√		
2-Nitroaniline		√	√	
3-Nitroaniline		√	√	
4-Nitroaniline		√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Nitrobenzene		√	√	
2-Nitrophenol		√	√	
3-Nitrophenol		√	√	
4-Nitrophenol	√	√	√	
4-Nitrophenylphenylether			√	
N-Nitrosodipropylamine		√	√	
N-Nitrosodimethylamine		√	√	
N-Nitrosodiphenylamine		√	√	
N-Nitroso-di-n-propylamine		√	√	
Pentachlorobenzene			√	
Pentachlorohexane			√	
Pentachloronitrobenzene			√	
Pentachlorophenol	√	√	√	
Phenanthrene	√	√	√	
Phenol		√	√	
Pronamide		√		
Pyrene	√	√	√	
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	√	√	√	
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		√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)		√	√	
Hydrazine		√		
1,2-Naphthoquinone		√	√	
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		√	√	
<u>Organic Disinfection By-Products</u>				
Chloral hydrate	√			
Bromochloroacetic acid	√			
Dibromoacetic acid	√			
Dichloroacetic acid	√			
Monobromoacetic acid	√			
Trichloroacetic acid	√			
<u>PCBs</u>				
PCBs (as decachlorobiphenyl)	√			
PCB arochlor identification	√			
Arochlor 1016	√	√	√	
Arochlor 1221	√	√	√	
Arochlor 1232	√	√	√	
Arochlor 1242	√	√	√	
Arochlor 1248	√	√	√	
Arochlor 1254	√	√	√	
Arochlor 1260	√	√	√	
Arochlor 1016/1242	√	√	√	
<u>PCBs in Oil</u>				
Arochlor 1016			√	
Arochlor 1242			√	
Arochlor 1254			√	
Arochlor 1260			√	
<u>Carbamates and Vidate</u>				
Aldicarb	√	√	√	
Aldicarb sulfone	√	√	√	
Aldicarb sulfoxide	√	√	√	
Carbaryl	√	√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Carbofuran	√	√	√	
3-Hydroxycarbofuran	√	√	√	
Methomyl	√	√	√	
Oxamyl (Vydate)	√	√	√	
Methiocarb	√	√	√	
Baygon	√	√	√	
<u>Pesticides</u>				
Alachlor	√	√	√	
Aldicarb	√	√	√	
Aldicarb sulfone	√	√	√	
Aldicarb sulfoxide	√	√	√	
Aldrin	√	√	√	
Alpha-BHC		√	√	
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		√	√	
beta-Chlordane		√	√	
Chloroprotham		√		
Chlorothalonil	√			
Chlorpyrifos		√		
Cyanazine		√		
DDD (4,4)		√	√	
DDE (4,4)		√	√	
DDT (4,4)		√	√	
Deta-BHC		√	√	
Demeton-o		√	√	
Demeton-s		√	√	
Diazinon	√	√	√	
Dieldrin	√	√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Dimethoate		√		
Dioxathion		√		
Diuron		√	√	
Dimethoate	√			
Disulfoton		√	√	
Diuron	√			
Endosulfan I		√	√	
Endosulfan II		√	√	
Endosulfan sulfate		√	√	
Endrin	√	√	√	
Endrin ketone		√	√	
EPTC (Eptam, s-ethyl-dipropyl thio carbamate)		√		
Ention		√		
Ethoprop		√		
Famphur		√		
Fenuron		√		
Fluometuron		√		
Fonophos		√		
gamma-BHC (Lindane)	√	√	√	
gamma-Chlordane		√	√	
Heptachlor	√	√	√	
Heptachlor epoxide (Isomer B)	√	√	√	
Hexachlorobenzene	√	√	√	
Hexachlorocyclopentadiene	√	√	√	
Hexazinone		√		
3-Hydroxycarbofuran	√	√	√	
Lindane	√	√	√	
Linuron (Lorox)		√		
Malathion		√	√	
MCPA		√		
MCPP		√	√	
Methoxychlor	√	√	√	
Methyl parathion		√	√	
Metolachlor	√	√		
Metribuzin	√	√		
Molinate (Odran)	√			
Monuron		√		
Neburon		√		
Parathion, ethyl		√		
Phorate		√	√	
Phosmet (Imidan)		√		
Promecarb	√	√	√	
Prometon	√	√		
Prometryn	√	√		
Propachlor	√	√		

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
Propazine		√		
Propham		√		
Propozur			√	
Ronnel			√	
Siduron		√		
Simazine	√			
Stirophos			√	
Tebuthiuron		√		
Terbacil		√		
Terbufos		√		
Thiobencarb	√			
Toxaphene	√	√	√	
Trifluralin (Treflan)	√	√	√	
<u>Herbicides</u>				
Acifluorfen	√	√	√	
Bentazon	√	√	√	
Chloramden	√	√	√	
2,4-D	√	√	√	
Dacthal (DCPA)	√	√	√	
Dalapon	√	√	√	
2,4-DB	√	√	√	
Dicamba	√	√	√	
3,5-Dichlorobenzoic acid	√	√	√	
2,4-DP (Dichlorprop)	√	√	√	
Dichlorvos		√	√	
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	√	√	√	
Diquat	√			
Disulfoton		√	√	
Endothall	√			
Glyphosate	√			
5-Hydroxydicamba	√			
Paraquat	√			
Pentachlorophenol	√	√	√	
Picloram	√	√	√	
2,4,5-TP (Silvex)	√	√	√	
2,4,5-T	√	√	√	
<u>Petroleum Hydrocarbons/ UST Analytes</u>				
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		√	√	

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Non-potable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA¹</u>
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		√	√	
<u>Additional Analytes¹</u>				
Gold		√		
Platinum		√		
Palladium		√		
Uranium	√	√		
1,4-Dioxane	√	√		
Reactive-cyanide			√	
Trans-nonachlor		√	√	
Glucose	√	√		
Sucrose	√	√		
Caffeine	√	√		
Citric Acid	√	√		
Chloropicrin	√			
Trichloroacetonitrile	√			
Dichloroacetonitrile	√			
Bromochloroacetonitrile	√			
Dibromoacetonitrile	√			
1,1-Dichloro-2-propanone	√			
1,1,1-trichloro-2-propanone	√			
Total chlorine	√			
Amenable cyanide		√		

¹ Denotes Non-NELAC Proficiency Testing Schemes