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

The accreditation covers the specific proficiency testing samples listed on the agreed scope of accreditation. This provider meets the requirements of ILAC Guide 13:2000 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, NELAC Chapter 2 and NELAC Chapter 5.

Presented this 25th day of August 2006

AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION
CORPORATE SEAL 1978 DISTRICT OF COLUMBIA
A2LA

President
For the Accreditation Council
Certificate Number 2429.01
Valid to December 31, 2008
Revised September 25, 2008

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

SCOPE OF ACCREDITATION TO THE ISO GUIDE 43-1:1997 and ILAC G13:2000

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PROFICIENCY TESTING PROVIDER

Valid To: December 31, 2008 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 G13:2000, 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:

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Metals				
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	√	√	√	√

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Sodium	√	√	√	√
Strontium		√	√	√
Thallium	√	√	√	√
Tin		√	√	
Titanium		√	√	√
Vanadium	√	√	√	√
Zinc	√	√	√	√
Nutrients				
Ammonia (as N)	√	√	√	√
Nitrate (as N)	√	√	√	√
Nitrate-nitrite (as N)	√	√		√
Nitrite (as N)	√	√		√
Orthophosphate (as P)	√	√	√	√
Total Kjeldahl-nitrogen		√	√	√
Total phosphorus	√	√	√	√
Demands				
Biochemical oxygen demand		√		√
Carbonaceous BOD		√		√
Chemical oxygen demand		√		√
Total organic carbon	√	√	√	√
Minerals				
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	√	√		√
Miscellaneous Analytes				
Acidity (as $CaCO_3$)		√		
Alkalinity (as $CaCO_3$/L)	√	√		√
Bromate	√	√		
Bromide	√	√	√	
Ca hardness (as $CaCO_3$)	√	√		√
Total hardness (as $CaCO_3$)	√	√		√

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Chlorate	√	√		
Chlorite	√	√		
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	√	√		
Volatiles				
Acetone		√	√	
Acetonitrile		√		
Acrolein		√		
Acrylonitrile		√		
Benzene	√	√	√	
Bromobenzene	√	√	√	
Bromochloromethane	√	√	√	
Bromodichloromethane	√	√	√	
Bromoform	√	√	√	
2-Butanone (MEK)		√	√	
tert-Butyl alcohol	√	√	√	
n-Butylbenzene	√	√	√	
sec-Butylbenzene	√	√	√	
tert-Butylbenzene	√	√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Carbon disulfide	√	√	√	
Carbon tetrachloride	√	√	√	
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-Dichloroethlene	√	√	√	
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	√	√	√	
1,1,1,2-Tetrachloroethane	√	√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
1,1,2,2-Tetrachloroethane	√	√	√	
Tetrachloroethene	√	√	√	
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	√	√	√	
Semivolatiles				
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	√	√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
4-Chloro-3-methylphenol		√	√	
1-Chloronaphthalene		√	√	
2-Chloronaphthalene	√	√	√	
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-butylphalate	√	√	√	
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		√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Napropamide		√		
2-Nitroaniline		√	√	
3-Nitroaniline		√	√	
4-Nitroaniline		√	√	
Nitrobenzene		√	√	
2-Nitrophenol		√	√	
3-Nitrophenol		√	√	
4-Nitrophenol	√	√	√	
4-Nitrophenylphenylether			√	
N-Nitrosodinpropylamine		√	√	
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		√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
1-Chloro-4-nitrobenzene		√	√	
3,5-Dichloronitrobenzene		√	√	
Dinitramine		√	√	
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		√	√	
Organic Disinfection By-Products				
Chloral hydrate	√			
Bromochloroacetic acid	√			
Dibromoacetic acid	√			
Dichloroacetic acid	√			
Monobromoacetic acid	√			
Trichloroacetic acid	√			
PCBs				
PCBs (as decachlorobiphenyl)	√			
PCB arochlor identification	√			
Arochlor 1016	√	√	√	
Arochlor 1221	√	√	√	
Arochlor 1232	√	√	√	
Arochlor 1242	√	√	√	
Arochlor 1248	√	√	√	
Arochlor 1254	√	√	√	
Arochlor 1260	√	√	√	
Aroclor 1016/1242	√	√	√	
PCBs in Oil				
Arochlor 1016			√	
Arochlor 1242			√	
Arochlor 1254			√	
Arochlor 1260			√	
Carbamates and Vidate				

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Aldicarb	√	√	√	
Aldicarb sulfone	√	√	√	
Aldicarb sulfoxide	√	√	√	
Carbaryl	√	√	√	
Carbofuran	√	√	√	
3-Hydroxycarbofuran	√	√	√	
Methomyl	√	√	√	
Oxamyl (Vydate)	√	√	√	
Methiocarb	√	√	√	
Baygon	√	√	√	
Pesticides				
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		√	√	
Chloropropham		√		
Chlorothalonil	√			
Chlorpyrifos		√		
Cyanazine		√		
DDD (4,4)		√	√	
DDE (4,4)		√	√	
DDT (4,4)		√	√	

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Deta-BHC		√	√	
Demeton-o		√	√	
Demeton-s		√	√	
Diazinon	√	√	√	
Dieldrin	√	√	√	
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 (Odram)	√			
Monuron		√		
Neburon		√		
Parathion, ethyl		√		

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
Phorate		√	√	
Phosmet (Imidan)		√		
Promecarb	√	√	√	
Prometon	√	√		
Prometryn	√	√		
Propachlor	√	√		
Propazine		√		
Propham		√		
Propozur			√	
Ronnel			√	
Siduron		√		
Simazine	√			
Stirophos			√	
Tebuthiuron		√		
Terbacil		√		
Terbufos		√		
Thiobencarb	√			
Toxaphene	√	√	√	
Trifluralin (Treflan)	√	√	√	
Herbicides				
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	√	√	√	
Petroleum Hydrocarbons/ UST Analytes				

Parameter/Analyte	Drinking Water	Non-potable Water	Solid and Chemical Materials	DMRQA
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		√	√	
Additional Analytes				
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		√		