



SCOPE OF ACCREDITATION TO ISO/IEC 17043: 2010

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PROFICIENCY TESTING PROVIDER

Valid To: August 31, 2012

Certificate Number: 2432.01

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 Volume 3: General Requirements For Environmental Proficiency Test Providers (EL-V3-2009):

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA*</u>
<u>Metals</u>				
Aluminum	√	√	√	√
Antimony	√	√	√	√
Arsenic	√	√	√	√
Barium	√	√	√	√
Beryllium	√	√	√	√
Boron	√	√	√	√
Cadmium	√	√	√	√
Calcium	√	√	√	√
Chromium	√	√	√	√
Cobalt		√	√	√
Copper	√	√	√	√
Iron	√	√	√	√
Lead	√	√	√	√
Magnesium	√	√	√	√
Manganese	√	√	√	√
Mercury	√	√	√	√
Molybdenum	√	√	√	√
Nickel	√	√	√	√
Potassium	√	√	√	√
Selenium	√	√	√	√
Silicon	√	√	√	√
Silver	√	√	√	√
Sodium	√	√	√	√
Strontium		√	√	√

<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA*</u>
Thallium	√	√	√	√
Tin		√	√	√
Titanium		√	√	√
Vanadium	√	√	√	√
Uranium	√			
Zinc	√	√	√	√
<u>Nutrients</u>				
Ammonia (as N)		√	√	√
Kjeldahl nitrogen		√	√	√
Nitrate (as N)	√	√	√	√
Nitrate-nitrite (as N)	√	√		√
Nitrite (as N)	√	√		√
Orthophosphate (as P)	√	√	√	√
Total phosphorus		√	√	√
<u>Demands</u>				
Biochemical oxygen demand		√		√
Carbonaceous BOD		√		√
Chemical oxygen demand		√	√	√
Dissolved organic carbon	√	√		√
Total organic carbon	√	√	√	√
Total organic halides		√		
<u>Wet Chemistry</u>				
Acidity		√		
Alkalinity	√	√		√
Total alkalinity	√	√		
Bromate	√	√		
Bromide	√	√	√	
Calcium hardness (as CaCO ₃)	√	√		√
Chlorate	√	√		
Chlorite	√	√		
Chloride	√	√	√	
Total free chlorine	√	√		
Total residue chlorine	√	√		√
Hexavalent chromium	√	√	√	√
Color	√	√		√
Conductivity	√	√		√
Cyanide	√	√	√	√
Available cyanide			√	
Reactive cyanide			√	
Total cyanide	√	√	√	√
Fluoride	√	√	√	√
pH	√	√	√	√
Magnesium	√	√	√	

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<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA*</u>
MBAAs	√	√		
Oil and Grease		√	√	√
Total phenolics		√	√	√
Perchlorate	√	√		
Potassium	√	√	√	√
Filterable residue	√	√		√
Nonfilterable residue		√		√
Silica (as Si)	√	√		
Sodium	√	√	√	
Specific conductance	√	√		√
Sulfide		√	√	
Sulfate	√	√	√	√
Settleable solids		√		√
Total dissolved solids (180°C)	√	√		√
Total suspended solids		√		√
Total solids	√	√		√
Total hardness (as CaCO ₃)	√	√		√
Turbidity	√	√		√
UV254	√			
<u>Microbiology</u>				
Fecal coliform, MF		√		√
Total coliform, MF		√		√
Enterococci, MF		√		
Fecal coliform, MPN		√		√
Total coliform, MPN		√		√
Enterococci, MPN		√		
Total coliform	√			
Fecal coliform/E. Coli	√			
Heterotrophic Plate Count	√	√		
<u>Purgeable Organics (volatiles)</u>				
Acetone			√	
Acetonitrile			√	
Acrolein			√	
Benzene	√	√	√	
Bromobenzene	√		√	
Bromodichloromethane	√	√	√	
Bromoform	√	√	√	
Bromomethane	√	√	√	
Bromochloromethane	√	√	√	
2-Butanone			√	
t-Butyl alcohol	√			
n-Butylbenzene	√			
sec-Butylbenzene	√			

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tert-Butylbenzene	√			
Carbon disulfide			√	
Carbon tetrachloride	√	√	√	
Chlorobenzene	√	√	√	
Chloroethane	√	√	√	
2-Chloroethyl vinyl ether			√	
Chloroform	√	√	√	
Chloromethane	√	√	√	
Chlorotoluene	√			
2-Chlorotoluene	√			
4-Chlorotoluene	√			
Dibromochloromethane	√	√	√	
1,2-Dibromo-3-chloropropane (DBCP)	√		√	
Dibromomethane	√	√	√	
1,2-Dibromomethane (EDB)	√		√	
1,2-Dibromoethane	√		√	
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	√	√	√	
1,3-Dichloropropane	√			
2,2-Dichloropropane	√			
1,1-Dichloropropene	√			
cis-1,3-Dichloropropene	√	√	√	
trans-1,3-Dichloropropene	√	√	√	
Diisopropylether (DIPE)	√			
Ethyl benzene	√	√	√	
Ethyl t-butyl ether	√			
EPH		√	√	
2-Hexanone		√	√	
Hexachlorobutadiene	√		√	
Isopropylbenzene	√		√	
1,4-Isopropyltoluene	√			
Methylene chloride	√	√	√	
Methyl ethyl ketone (MEK)	√	√	√	
4-Methyl-2-pentanone		√	√	
MTBE	√			
1-Phenylpropane	√			

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n-Propylbenzene	√			
Styrene	√	√	√	
t-Amylmethylether (TAME)	√		√	
1,1,1,2-Tetrachloroethane	√	√	√	
1,1,2,2-Tetrachloroethane	√	√	√	
Tetrachloroethene	√	√	√	
Toluene	√	√	√	
1,1,1-Trichloroethane	√	√	√	
1,1,2-Trichloroethane	√	√	√	
Trichloroethene	√	√	√	
Trichlorofluoromethane	√	√	√	
1,2,3-Trichloropropane	√		√	
1,2,3-Trichlorobenzene	√			
1,2,4-Trichlorobenzene	√			
1,2,3-Trichlorotrifluoroethane	√			
1,2,4-Trimethylbenzene	√		√	
1,3,5-Trimethylbenzene	√		√	
Trihalomethanes	√		√	
Vinyl acetate	√		√	
Vinyl chloride	√	√	√	
VPH		√	√	
Xylenes, total	√	√	√	
m-Xylenes	√	√	√	
p-Xylenes	√	√	√	
o-Xylenes	√	√	√	
<u>Extractable Organics (semivolatiles)</u>				
Acenaphthene	√	√	√	
Acenaphthylene	√	√	√	
2-Amino-1-methylbenzene			√	
Aniline			√	
Anthracene	√	√	√	
Benzidine		√	√	
Benzoic acid			√	
Benzo (a) anthracene	√	√	√	
Benzo (b) fluoranthene	√	√	√	
Benzo (k) fluoranthene	√	√	√	
Benzo (ghi) fluoranthene	√	√	√	
Benzo (a) pyrene	√	√	√	
Benzyl alcohol			√	
bis (2-chloroethoxy) methane		√	√	
bis (2-ethylhexyl) adipate	√			
bis (2-chloroisopropyl) ether		√	√	

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<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA*</u>
bis (2-ethylhexyl) phthalate	√	√	√	
4-Bromophenyl phenyl ether		√	√	
Butyl benzyl phthalate	√	√	√	
Carbazole			√	
4-Chloroaniline			√	
Chloroethene				
Chloral hydrate	√			
Bis (2-chloroethyl) ether		√	√	
4-Chloro-3-methylphenol		√	√	
1-Chloronaphthalene			√	
2-Chloronaphthalene		√	√	
2-Chlorophenol		√	√	
4-Chlorophenyl phenyl ether		√	√	
Chrysene	√	√	√	
Cresols		√	√	
Dibenz (a,h) anthracene	√	√	√	
Dibenzofuran		√	√	
Di isopropylether (DIPE)			√	
1,2-Dichlorobenzene		√	√	
1,3-Dichlorobenzene		√	√	
1,4-Dichlorobenzene		√	√	
3,3'-Dichlorobenzidine		√	√	
2,4-Dichlorophenol		√	√	
2,6-Dichlorophenol		√	√	
Diethyl phthalate	√	√	√	
2,4-Dimethylphenol		√	√	
Dimethyl phthalate	√	√	√	
Di-n-butyl phthalate	√	√	√	
Di-n-octyl phthalate	√	√	√	
Dinitrobenzene		√	√	
2,4-Dinitrophenol		√	√	
2,4-Dinitrotoluene		√	√	
2,6-Dinitrotoluene		√	√	
Fluoranthene	√	√	√	
Fluorene	√	√	√	
Hexachlorobenzene		√	√	
Hexachlorobutadiene		√	√	
Hexachlorocyclopentadiene		√	√	
Hexachloroethane		√	√	
Indeno (1,2,3-cd) pyrene	√	√	√	
Isophorone		√	√	
Maleic anhydride			√	
2-Methyl-4,6-Dinitrophenol		√	√	
1-Methylnaphthalene	√			

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2-Methylnaphthalene	√	√	√	
2-Methylphenol		√	√	
4-Methylphenol		√	√	
Naphthalene	√	√	√	
2-Nitroaniline			√	
3-Nitroaniline			√	
4-Nitroaniline			√	
Nitrobenzene		√	√	
2-Nitrophenol		√	√	
3-Nitrophenol			√	
4-Nitrophenol		√	√	
N-Nitrosodimethylamine		√		
N-Nitrosodi-n-propylamine		√	√	
N-Nitrosodiphenylamine		√	√	
N-Nitrosodiphenylamine		√	√	
2,2-Oxybis(1-chloropropane)		√	√	
Pentachlorophenol		√	√	
Phenanthrene	√	√	√	
Phenol		√	√	
Pyrene	√	√	√	
Tetrachlorobenzenes				
1,2,3-Trichlorobenzene	√			
1,2,4-Trichlorobenzene	√	√	√	
2,4,5-Trichlorophenol		√	√	
2,4,6-Trichlorophenol		√	√	
<u>Pesticides/Herbicides/PCBs</u>				
Acifluorfen	√	√		
Alachlor	√			
Aldrin	√	√	√	
Aldicarb	√	√	√	
Aldicarb sulfone	√	√	√	
Aldicarb sulfoxide	√	√		
Atrazine	√			
Azinophos methyl (Guthion)		√	√	
Alpha-BHC		√	√	
Beta-BHC		√	√	
delta-BHC		√	√	
gamma-BHC (Lindane)	√	√	√	
Baygon/Propoxur	√	√	√	
Bentazon	√	√		
Bromacil	√	√		
Butachlor	√	√		
Carbaryl	√	√	√	
Carbofuran	√			

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Chloramden	√	√		
Chlordane (technical)	√	√	√	
alpha Chlordane		√	√	
Gamma Chlordane		√	√	
Chlorfenvinphos			√	
Chloropyrifos			√	
Cyanazine	√	√		
2,4-D	√	√	√	
Dalapon	√			
Decachlorobiphenyl	√			
2,4-DB	√	√		
4,4'-DDD		√	√	
4,4'-DDE		√	√	
4,4'-DDT		√	√	
DCPA	√	√	√	
Demeton-O			√	
Demeton-S			√	
Diazinon		√	√	
Dicamba	√	√	√	
3,5 Dichlorobenzoic acid	√	√		
Dichlorvos	√		√	
Dichloroprop	√	√	√	
Dieldrin	√	√	√	
Dinoseb	√	√	√	
Dioxacarb			√	
Diquat	√	√	√	
Disulfoton		√	√	
Endosulfan I		√	√	
Endosulfan II		√	√	
Endothall	√	√	√	
Endonsulfan sulfate		√	√	
Endrin	√	√	√	
Endrin aldehyde		√	√	
Endrin ketone		√	√	
EPN			√	
Ethoprop			√	
Fenthion			√	
Famphur			√	
Glyphosate	√	√	√	
Heptachlor	√	√	√	
Heptachlor epoxide (B)	√	√	√	
3-Hydroxy carbofuran	√	√	√	
Hexachlorobenzene	√		√	
Hexachlorocyclopentadiene	√		√	
Malathion		√	√	
Metolachlor	√	√	√	
Metribuzin	√	√		

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MCPP			√	
Methiocarb	√		√	
Methomyl	√			
Methomyloxamyl	√		√	
Methoxychlor	√	√	√	
Molinate	√			
Naled			√	
Oxamyl	√			
Paraquat	√	√	√	
Parathion, ethyl		√	√	
Parathion, methyl			√	
PCB-1016 (Arochlor)	√	√	√	
PCB-1221	√	√	√	
PCB-1232	√	√	√	
PCB-1242	√	√	√	
PCB-1248	√	√	√	
PCB-1254	√	√	√	
PCB-1260	√	√	√	
Pentachlorophenol	√	√	√	
Picloram	√	√		
Phorate			√	
Promecarb			√	
Prometon	√			
Promethryn			√	
Propachlor	√		√	
Propazine	√			
Ronnel			√	
Simazine	√			
Stirophos			√	
Sulfotepp			√	
2,4,5-T	√	√	√	
TEPP			√	
2,4,5-TP (Silvex)	√	√	√	
Toxaphene	√	√	√	
Trichlorfon			√	
Trifluralin	√		√	

Inorganic Dis-Infection

Byproducts

Monochloroacetic acid	√
Bromochloroacetic acid	√
Dibromoacetic acid	√
Dichloroacetic acid	√
Monobromoacetic acid	√
Trichloroacetic acid	√

Petroleum Hydrocarbons/

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<u>Parameter/Analyte</u>	<u>Drinking Water</u>	<u>Nonpotable Water</u>	<u>Solid and Chemical Materials</u>	<u>DMRQA*</u>
<u>UST Analytes</u>				
Benzene		√	√	
Ethyl benzene		√	√	
EPH		√	√	
MTBE		√	√	
Toluene		√	√	
Total Petroleum Hydrocarbons (TPH)		√	√	
VPH		√	√	
Diesel Range Organics (DRO)	√	√		
Gas Range Organics (GRO)	√	√		
<u>Explosives</u>				
Tetryl		√	√	
2-amino-4,6-dinitrotoluene (2-am-DNT)		√	√	
2-Nitrotoluene		√	√	
2,4-Dinitrotoluene (2,4-DNT)		√	√	
2,4,6-Trinitrotoluene		√	√	
4-Nitrotoluene		√	√	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		√	√	
Nitrobenzene		√	√	
4-Amino-2,6-dinitrotoluene (4-am-DNT)		√	√	
1,3,5-Trinitrobenzene		√	√	
3-Nitrotoluene		√	√	
2,6-Dinitrotoluene (2,6-DNT)		√	√	
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		√	√	
Nitroglycerin			√	
Pentaerythritol tetranitrate			√	
1,3-Dinitrobenzene		√	√	

* Denotes non-NELAC PT schemes





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Proficiency Testing Provider

A2LA has accredited

NSI SOLUTIONS, INC.

Raleigh, NC

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 is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 Conformity assessment-General requirements for proficiency testing, TNI EL-V3-2009 and the relevant sections of ISO Guide 34: 2009 and ISO/IEC 17025: 2005. This provider meets the management system requirements of ISO/IEC 17043: 2010, which includes the principles of ISO 9001:2008.

Presented this 2nd day of March 2011.





President & CEO
For the Accreditation Council
Certificate Number 2432.01
Valid to August 31, 2012

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