Department of Health and Human Services
North Carolina State Laboratory of Public Health
Environmental Sciences
Laboratory Certification Office
1918 Mail Service Center, Raleigh, North Carolina 27699-1918

Application for Certification of Drinking Water Testing Laboratories

Please complete all applicable parts of this form and return to the above address.

1. Laboratory Name:_____

2. Mailing Address:_____

   City:_____ State:_____ Zip Code:_____

3. Street address: _____

   City: _____ State: _____ Zip Code: _____

4. Phone:_____ Fax:_____

5. Name of Contact Person:_____

   E mail:_____

6. Out of state laboratories complete this section:

   EPA Certified: Yes___ No ___ State Certified: Yes___ No___

   NELAC Certified: Yes ___ No ___

   Name & Address of Primary Accrediting Body:

Certificate number:_____ Certificate expiration date:_____
*Attach a copy of the Primary Certificate along with the Scope for verification

List the method(s) for which certification is requested.

Microbiology

Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter
3100/3014		Total Coliform & *E. coli* Presence-Absence (rTCR)(GWR)
3002		Enterococci (GWR)
3028		Coliphage (GWR)
3001		Heterotrophic Plate Count

*North Carolina requires that both *E. coli* and Total Coliform be reported for samples collected under the Ground Water Rule.

Inorganic Chemistry

Metals: Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL mg/L	Analyte Code	Method(s)	Parameter	RRL mg/L
1005		Arsenic	0.005	1032		Manganese	0.010
1010		Barium	0.400	1031		Magnesium	1.0
1075		Beryllium	0.002	1052		Sodium	1.0
1015		Cadmium	0.001	1036		Nickel	0.100
1020		Chromium	0.020	1030		Lead	0.003
1022		Copper	0.050	1074		Antimony	0.003
1028		Iron	0.060	1045		Selenium	0.010
1035		Mercury	0.0004	1085		Thallium	0.001

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Other Inorganic Analytes: Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL mg/L	Analyte Code	Method(s)	Parameter	RRL mg/L
1927		Alkalinity	1.0	1915		Hardness, Total	1.0
1094		Asbestos	0.2 MFL	1040		Nitrate	1.0
1004		Bromide	0.010	1041		Nitrite	0.10
1011		Bromate	0.005	1055		Sulfate	15.0
1009		Chlorite	0.020	1930		TDS	10.0
1024		Cyanide	0.050	2920/2919		TOC/DOC	1.0
1025		Fluoride	0.100	2922		UV_{254}	0.009 cm^{-1}
1919		Hardness, Calcium	1.0				

Multiple pages may be used as necessary.

Organic Chemistry I – Haloacetic Acids, PCBs, Dioxin and Pesticides

Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL mg/L	Analyte Code	Method(s)	Parameter	RRL mg/L
2450 2451 2452 2453 2454		Haloacetic Acids	2450- 0.0020 Remaining-0.0010	2035		Di-2(ethylhexyl)adipate	0.0006
2383		PCBs		2033		Endothall	0.009
2063		Dioxin	0.000000005	2034		Glyphosate	0.006
2005		Endrin	0.00001	2037		Simazine	0.00007
2010		Lindane	0.00002	2040		Picloram	0.0001
2015		Methoxychlor	0.0001	2041		Dinoseb	0.0002
2020		Toxaphene	0.001	2050		Atrazine	0.0001
2042		Hexachlorocyclopentadiene	0.0001	2051		Alachlor	0.0002
2065		Heptachlor	0.00004	2105		2,4-D	0.0001
2067		Heptachlor epoxide	0.00002	2110		2,4,5-TP (Silvex)	0.0002
2274		Hexachlorobenzene	0.0001	2326		Pentachlorophenol	0.00004
2931		Dibromochloropropane (DBCP)	0.00002	2036		Oxamyl	0.002
2946		Ethylene dibromide (EDB)	0.00001	2046		Carbofuran	0.0009
2959		Chlordane	0.0002	2039		Di-2(ethylhexyl)phthalate	0.0006
2031		Dalapon	0.001	2306		Benzo(a)pyrene	0.00002
2032		Diquat	0.004				

PFAS Compounds-
Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL (1/3 PQL) mg/L
2801		Perfluorobutanesulfonic Acid (PFBS)	0.000001
2803		Perfluorohexane Sulfonic Acid (PFHxS)	0.000001
2804		Perfluorononanoic Acid (PFNA)	0.000001
2805		Perfluoroctane Sulfonic Acid (PFOS)	0.000001
2806		Perfluoroctanoic Acid (PFOA)	0.000001
2816		Hexafluoropropylene Oxide Diamer Acid (HFPO-DA) *GenX*	0.0000015
		Hazard Index- mixture	

Organic Chemistry II
Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL mg/L
2941 2942 2943 2944		Trihalomethanes (THMs)	0.0005

Analyte Code	Method(s)	Parameter	RRL mg/L	Analyte Code	Method(s)	Parameter	RRL mg/L
2990		Benzene	0.0005	2964		Dichloromethane	0.0005
2982		Carbon Tetrachloride	0.0005	2996		Styrene	0.0005
2989		Chlorobenzene	0.0005	2987		Tetrachloroethylene	0.0005
2968		1,2-Dichlorobenzene	0.0005	2991		Toluene	0.0005
2969		1,4-Dichlorobenzene	0.0005	2378		1,2,4-Trichlorobenzene	0.0005
2980		1,2-Dichloroethane	0.0005	2981		1,1,1-Trichloroethane	0.0005
2977		1,1-Dichloroethylene	0.0005	2985		1,1,2-Trichloroethane	0.0005
2380		Cis-1,2-Dichloroehtylene	0.0005	2984		Trichloroethylene	0.0005
2979		Trans-1,2-Dichloroethylene	0.0005	2976		Vinyl Chloride	0.0005
2983		1,2-Dichloropropane	0.0005	2955		Total Xylenes	0.0005
2992		Ethylbenzene	0.0005				

Radiochemistry

Two most recent Proficiency Tests results for each requested analyte/method combination must be included.

Analyte Code	Method(s)	Parameter	RRL pCi/L	Analyte Code	Method(s)	Parameter	RRL pCi/L
4002		Gross Alpha	3	4172		Strontium – 89	10
4100		Gross Beta	4	4174		Strontium – 90	2
4020		Radium – 226	1	4102		Tritium	1000
4030		Radium – 228	1	4270		Cesium – 134	10
4006		Uranium	0.67 or 0.001 mg/L			Photon emitters	

Non-certified parameters

The EPA mandates that although certification is not required for the following analytes, the Laboratory Certification Office must verify that approved methods are used for this testing. In addition, these analytes are included on certain reporting forms and must be entered into the North Carolina Public Water Supply (PWS) database in order for electronic data submissions to be accepted. Therefore, please complete the required information for any of these for which you expect to report data to NC PWS.

Analyte Code	Method(s)	Parameter	RRL mg/L	Analyte Code	Method(s)	Parameter	RRL mg/L
0100		Turbidity	0.10 NTU	1064		Conductivity	
1016		Calcium	1.0	1068		Acidity	1.0
1017		Chloride	5.0	1095		Zinc	1.0
1044		Ortho-phosphate	0.2	1905		Color	5 units
1049		Silica	2.0	1925		pH	
1050		Silver	0.05	1996		Water Temperature	
1002		Aluminum					
3015		*Cryptosporidium* (LT2 Surface Water Treatment Rule)		3014		*E. coli enumeration (LT2 Surface Water Treatment Rule)*	

7. Fees: Fees are two hundred and fifty dollars ($250.00) per analyte group. The analyte groups are as follows:
   1) Inorganic chemistry
   2) Organic chemistry I (SOCs)
   3) Organic chemistry II (VOCs)
   4) Microbiology
   5) Radiochemistry

The certification fee shall not be prorated nor refunded. Twenty percent shall be due at the time of the application; full payment is also acceptable. Checks should be written to: "NC Department of Health and Human Services" Attn: Laboratory Certification 1918 Mail Service Center, Raleigh, North Carolina 27699-1918

8. Certificate of Applicant: The applicant has read and understands 10A NCAC 42D .231-.0261 and acknowledges that the laboratory is subject to the rules and regulations concerning laboratory certification and standards of performance.

I hereby certify that I am authorized to sign this application on behalf of the laboratory and that there are no misrepresentations in my answers to the questions on this application.

Print name of Laboratory (Legal Name)	Print Name of Laboratory Director
Date	Signature of Laboratory Director