

## Analytical Costs for NC DWR Chemistry Lab

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<http://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/microbiology-inorganics-branch/supplies-technical-assistance#Cost-per-Analysis>

PARAMETER	MEDIUM		
	Water	Solid*	Tissue
<b>Metals</b>			
Aluminum (Al)	\$13.01	\$39.03	\$52.04
Antimony (Sb)	\$13.01	\$39.03	NA
Arsenic(As)	\$14.55	\$43.66	\$58.22
Barium (Ba)	\$13.01	\$39.03	\$52.04
Beryllium (Be)	\$13.01	\$39.03	NA
Boron (B)	\$13.01	\$39.03	NA
Cadmium (Cd)	\$13.01	\$39.03	\$52.04
Calcium (Ca)	\$13.01	\$39.03	NA
Chromium (Cr)	\$13.01	\$39.03	\$52.04
Cobalt (Co)	\$13.01	\$39.03	\$52.04
Copper (Cu)	\$13.01	\$39.03	\$52.04
Hardness by Calculation	\$0.00	NA	NA
Hardness by titration	\$16.30	NA	NA
Iron (Fe)	\$13.01	\$39.03	\$52.04
Lead (Pb)	\$13.01	\$39.03	\$52.04
Lithium (Li)	\$13.01	\$39.03	NA
Magnesium (Mg)	\$13.01	\$39.03	\$52.04
Manganese (Mn)	\$13.01	\$39.03	\$52.04
Mercury (Hg)	\$24.02	\$72.06	\$96.08
Mercury by EPA Method 1631 (Hg)	\$63.04	NA	NA
Molybdenum (Mo)	\$13.01	\$39.03	NA
Nickel (Ni)	\$13.01	\$39.03	\$52.04
Potassium (K)	\$13.01	\$39.03	NA
Selenium (Se)	\$14.55	\$43.66	\$58.22
Silver (Ag)	\$13.01	\$39.03	\$52.04
Sodium (Na)	\$13.01	\$39.03	NA
Strontium (Sr)	\$13.01	\$39.03	NA
Thallium (Tl)	\$13.01	\$39.03	\$52.04
Tin (Sn)	\$13.01	\$39.03	NA
Titanium (Ti)	\$13.01	\$39.03	NA
Vanadium (V)	\$13.01	\$39.03	NA
Zinc (Zn)	\$13.01	\$39.03	\$52.04
<b><u>Microbiology</u></b>			
ALKALINITY	\$11.64		
BOD (5 DAY)	\$25.65		
FECAL MF	\$22.69		
TOTAL MF	\$21.14		
SPECIFIC CONDUCTANCE	\$10.55		
TOC/DOC	\$27.04	\$108.15	
TURBIDITY	\$9.99		
<b><u>Nutrients</u></b>			
AMMONIA	\$15.12		
NITRATE (calculated)	\$16.05		
NITRATE + NITRITE	\$18.69		
NITRITE	\$14.64		

PARAMETER	MEDIUM		
	Water	Solid*	Tissue
ORTHOPHOSPHATE	\$15.65		
TOTAL KJELDAHL NITROGEN	\$20.48		
TOTAL PHOSPHORUS	\$20.39		
<b><u>Wet Chemistry</u></b>			
CHLOROPYLL a	\$34.73		
COD	\$19.84		
COLOR ADMI	\$46.26		
COLOR Platinum Cobalt	\$13.52		
CYANIDE	\$32.61		
DISSOLVED SOLIDS	\$13.43		
FORMALDEHYDE	\$38.11		
HEXAVALENT CHROMIUM	\$27.66		
Ion Chromotography (Bromide, Chloride, Fluoride, and Sulfate)	\$41.87		
MBAS	\$29.23		
OIL & GREASE	\$37.80	\$113.40	
pH	\$6.58		
PHENOL	\$25.54		
SILICA	\$14.58		
SULFIDE	\$16.10		
SUSPENDED RESIDUE	\$12.85		
Suspended residue -fixed	\$9.16		
Suspended residue -vol	\$9.16		
Tannin and Lignin	\$10.34		
TOTAL RESIDUE	\$11.90		
<b>ORGANIC PARAMETERS</b>			
<b><u>Volatile Organics</u></b>			
GC/MS Volatile Organics	\$115.33	\$346.00	
Gasoline Range Organics (TPH)	\$57.94	\$173.81	
<b><u>Semivolatile Organics</u></b>			
GC/MS SemiVolatile Organics/\$23.18 For extraction	\$251.24		
GC/MS SemiVolatile Organics/\$69.53 For extraction		\$753.72	
Diesel Range Organics (TPHDRO)/\$23.18 for extraction	\$84.33		
Diesel Range Organics (TPHDRO)/\$69.53 for extraction		\$252.98	
<b><u>Pesticides</u></b>			
Organochlorine Pesticides/\$23.13 for extraction	\$130.56		
Organochlorine Pesticides/\$69.53 for extraction		\$391.82	
Organonitrogen Pesticides	\$138.33		
Organonitrogen Pesticides		\$414.99	
Organophosphorus Pesticides	\$140.74		
Organophosphorus Pesticides		\$422.22	
Acid Herbicides/\$23.18 for extraction	\$164.56		
Acid Herbicides/\$69.53 for extraction		\$493.66	
PCB's /\$23.18 for extraction	\$124.15		
PCB's /\$69.53 for extraction		\$372.44	

\* Solid includes sediments, soils and sludge(residuals)