

## State Laboratory of Public Health

### Environmental Sciences well-water sample collection and analysis kits

Sample kits are order from the NCSLPH website at the following link:

[https://slphreporting.ncpublichealth.com/labportal/\(fhpwa3fpu5expa45ypxijk45\)/Loginform.aspx](https://slphreporting.ncpublichealth.com/labportal/(fhpwa3fpu5expa45ypxijk45)/Loginform.aspx)

Category	Step 1 item description
<b>Full Well Panel</b>	
Inorganic Chemistry and Microbiology	WELL WATER FULL PANEL INORGANICS AND MICRO
<b>Microbiology</b>	
Total Coliform/ <i>E. coli</i> , P/A – Enzymatic	WELL WATER MICROBIOLOGY TOTAL COLIFORM/ <i>E. COLI</i> PRESENT/ABSENT
Total Coliform/ <i>E. coli</i> MPN - Enzymatic	WELL WATER MICROBIOLOGY TOTAL COLIFORM/ <i>E. COLI</i> MPN
Fecal Coliform, MPN (Quantitray) – Enzymatic	WELL WATER MICROBIOLOGY FECAL COLIFORM MPN
Enterococcus, MPN (Quantitray) – Enzymatic	WELL WATER MICROBIOLOGY ENTEROCOCCUS MPN
Iron Bacteria	WELL WATER IRON BACTERIA
Sulfur/Sulfate – Reducing bacteria	WELL WATER SULFUR/SULFATE REDUCING BACTERIA
Pseudomonas – MTF or MPN (Quantitray) Enzymatic	WELL WATER MICROBIOLOGY PSEUDOMONAS
Heterotrophic Plate Count	WELL WATER MICROBIOLOGY HPC
<b>Inorganic Chemistry</b>	
Inorganic Panel (Metals, Anions, Nitrate/Nitrite)	WELL WATER & INORGANIC CHEM METALS, ANIONS, NITRATE
Inorganic Panel (Metals, Anions)	WELL WATER & INORGANIC CHEMISTRY METALS, ANIONS
Inorganic Panel (Coal Ash Testing)	WELL WATER COAL ASH TESTING
Hexavalent Chromium	WELL WATER HEXAVALENT CHROMIUM 1 MONTH EXP. DATE
Metals Panel	WELL WATER INORGANIC CHEMISTRY METALS PANEL
Individual Metals (1 – 3 maximum from above, plus Uranium)	WELL WATER INORGANIC CHEMISTRY INDIVIDUAL METALS
Lead follow-up testing (up to 3 samples from same location)	WATER, LEAD FOLLOW-UP, SINGLE LOCATION
Anions – Fluoride, Chloride, and Sulfate	WELL WATER INORGANIC CHEMISTRY SPECIALIZED TEST
Disinfection By-Products – Bromide, Bromate, Chlorite, Chlorate	WELL WATER INORGANIC CHEMISTRY SPECIALIZED TEST
Fluoride (Health Department)	WELL WATER INORGANIC CHEM. SPEC. TEST FLUORIDE
Fluoride (Dentist/Pediatrician)	WELL WATER SPEC TEST PRIVATE FLUORIDE DDS/PEDS
Nitrate/Nitrite	WELL WATER SPEC. TEST NITRATE/NITRITE (REG NITRITE KIT)

Refer to the Well-water testing profile sheet for the analytes within each category

Category	Step 1 item description
<b>Organic Chemistry</b>	
Chlorinated Pesticides	WELL WATER, ORGANIC CHEM., CHLORINATED PESTICIDES
Nitrogen-Phosphorus Pesticides	WELL WATER, ORGANIC CHEM., N-P PESTICIDES
Glyphosate	WELL WATER, ORGANIC CHEM., GLYPHOSATE
EDB, DBCP and TCP	WELL WATER, ORGANIC CHEM., EDB, DBCP AND TCP
Carbamates	WELL WATER, ORGANIC CHEM., CARBAMATE PESTICIDES
Chlorinated Acid Herbicides	WELL WATER, ORGANIC CHEM., CHLORINATED ACID HERBICIDES
Synthetic Organic Chemicals (SOC) scan	WELL WATER, ORGANIC CHEM., SOC SCAN
Petroleum Products	WELL WATER, ORGANIC CHEM., PETROLEUM PRODUCTS
Volatile Organic Chemicals	WELL WATER, ORGANIC CHEM., VOC
<b>All Laboratories</b>	
Other testing	Contact Environmental Sciences laboratory management 919-733-7308

Refer to the Well-water testing profile sheet for the analytes within each category