



ALASKA
Initial CWS or NTNC Drinking Water Suite
 (Community Water Systems or Non-Transient Non-Community Water Systems)

ADEC requires a minimum series of raw water tests for a CWS or NTNC system proposing to use a new groundwater or surface public water source. These include tests for Bacteria, Primary Inorganic Chemical Contaminants, Secondary Contaminants, and Volatile Organic Contaminants. Some contaminants do not pose a health hazard but affect the aesthetic qualities of water. The suite of analyses for a new CWS or NTNC is shown below:

| Analysis | Method |
|--|--|
| Total Coliform Bacteria in Drinking Water | SM9223B PA |
| <u>Primary Inorganic Chemical Contaminants</u> <ul style="list-style-type: none"> • Total Metals: Sb,As,Ba,Be,Cd,Cr,Ni,Se,Tl,Pb,Hg • Cyanide • Fluoride, Nitrate, Nitrite | ICPMS 200.8; Hg – 245.1 SM4500 CNE IC 300.0 |
| <u>Secondary Chemical Contaminants</u> <ul style="list-style-type: none"> • Total Metals: Al,Mn,Na,Fe • Total Metals: Ag,Zn,Cu • Surfactants as MBAS - Foaming Agents • Chloride, Fluoride, Sulfate • Color • Odor • Langelier Index (Alkalinity, pH, TDS, Ca) | ICP 200.7 ICPMS 200.8 SM5540C IC 300.0 SM2120B SM2150B SM2320B, EPA 4500HB, SM2540C, ICP 200.7 |
| Volatile Organic Compounds in Drinking Water | EPA 524.2 |