



*Environmental Laboratories*

## Initial Class A Drinking Water Suite

ADEC requires a minimum series of raw water tests for a system proposing to use a new groundwater or surface 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 Class A Public Water Systems is shown below:

Analysis	Method
<b>Total Coliform Bacteria in Drinking Water</b>	SM9223B PA
<b><u>Primary Inorganic Chemical Contaminants</u></b> <ul style="list-style-type: none"> <li>Total Metals: Sb,As,Ba,Be,Cd,Cr,Ni,Se,Tl,Hg</li> <li>Cyanide</li> <li>Fluoride, Nitrate, Nitrite</li> </ul>	ICPMS 200.8; Hg – 245.1 SM4500 CNE IC 300.0
<b><u>Secondary Chemical Contaminants</u></b> <ul style="list-style-type: none"> <li>Total Metals: Al,Mn,Na,Fe</li> <li>Total Metals: Ag,Zn,Cu</li> <li>Surfactants as MBAS - Foaming Agents</li> <li>Chloride, Fluoride, Sulfate</li> <li>Color</li> <li>Odor</li> <li>Langelier Index (Alkalinity, pH, TDS, Ca)</li> </ul>	ICP 200.7 ICPMS 200.8 SM5540C IC 300.0 SM2120B SM2150B SM2320B, EPA 4500HB, SM2540C, ICP 200.7
<b>Volatile Organic Compounds in Drinking Water</b>	EPA 524.2
<b>Initial Class A - All Inclusive Package</b>	<b>\$1895.00 - Includes Trip Blank</b>

### FOR IMMEDIATE SERVICE CALL

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*“Your Water Quality Experts”*

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