### General Chemistry Parameters

<table>
<thead>
<tr>
<th>Constituent/Parameter</th>
<th>Field Filter</th>
<th>Analytical Method(1)</th>
<th>Reporting Limit(2)</th>
<th>Reporting Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acidity(3)</td>
<td>No</td>
<td>SM2310B</td>
<td>1.0</td>
<td>mg/L</td>
</tr>
<tr>
<td>Alkalinity, Bicarbonate (as CaCO₃)(4)</td>
<td>No</td>
<td>SM2320B</td>
<td>1.0</td>
<td>mg/L</td>
</tr>
<tr>
<td>Alkalinity, Total (as CaCO₃)(4)</td>
<td>No</td>
<td>SM2320B</td>
<td>1.0</td>
<td>mg/L</td>
</tr>
<tr>
<td>Chloride</td>
<td>No</td>
<td>EPA 300.0</td>
<td>1.0</td>
<td>mg/L</td>
</tr>
<tr>
<td>Fluoride</td>
<td>No</td>
<td>EPA 300.0</td>
<td>0.1</td>
<td>mg/L</td>
</tr>
<tr>
<td>Nitrate + Nitrite (as N)</td>
<td>No</td>
<td>EPA 353.2</td>
<td>0.4</td>
<td>mg/L</td>
</tr>
<tr>
<td>Nitrogen, Total (as N)</td>
<td>No</td>
<td>EPA 351.2</td>
<td>0.4</td>
<td>mg/L</td>
</tr>
<tr>
<td>pH (± 0.1 S.U.)</td>
<td>No</td>
<td>SM4500-H⁺-B</td>
<td>0.1</td>
<td>S.U.</td>
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<tr>
<td>Phosphorus</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.5</td>
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<tr>
<td>Sulfate</td>
<td>No</td>
<td>EPA 300.0</td>
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<td>mg/L</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>No</td>
<td>SM2540C</td>
<td>10</td>
<td>mg/L</td>
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<tr>
<td>Total Suspended Solids</td>
<td>No</td>
<td>SM2540D</td>
<td>5.0</td>
<td>mg/L</td>
</tr>
</tbody>
</table>

### Metals, Total

<table>
<thead>
<tr>
<th>Constituent/Parameter</th>
<th>Field Filter</th>
<th>Analytical Method(1)</th>
<th>Reporting Limit(2)</th>
<th>Reporting Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.05</td>
<td>mg/L</td>
</tr>
<tr>
<td>Antimony</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.003</td>
<td>mg/L</td>
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<tr>
<td>Arsenic</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>mg/L</td>
</tr>
<tr>
<td>Barium</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.02</td>
<td>mg/L</td>
</tr>
<tr>
<td>Beryllium</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>mg/L</td>
</tr>
<tr>
<td>Boron</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.1</td>
<td>mg/L</td>
</tr>
<tr>
<td>Cadmium</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>mg/L</td>
</tr>
<tr>
<td>Calcium</td>
<td>No</td>
<td>EPA 200.7</td>
<td>2.0</td>
<td>mg/L</td>
</tr>
<tr>
<td>Chromium</td>
<td>No</td>
<td>EPA 200.7</td>
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<td>mg/L</td>
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<tr>
<td>Copper</td>
<td>No</td>
<td>EPA 200.7</td>
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<td>mg/L</td>
</tr>
<tr>
<td>Iron</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.1</td>
<td>mg/L</td>
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<tr>
<td>Lead</td>
<td>No</td>
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<td>mg/L</td>
</tr>
<tr>
<td>Lithium</td>
<td>No</td>
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<td>0.1</td>
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<tr>
<td>Magnesium</td>
<td>No</td>
<td>EPA 200.7</td>
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<td>mg/L</td>
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<tr>
<td>Manganese</td>
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<tr>
<td>Mercury</td>
<td>No</td>
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<td>0.0002</td>
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<tr>
<td>Molybdenium</td>
<td>No</td>
<td>EPA 200.7</td>
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<td>mg/L</td>
</tr>
<tr>
<td>Nickel</td>
<td>No</td>
<td>EPA 200.7</td>
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<td>mg/L</td>
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<tr>
<td>Potassium</td>
<td>No</td>
<td>EPA 200.7</td>
<td>1.0</td>
<td>mg/L</td>
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<tr>
<td>Selenium</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>mg/L</td>
</tr>
<tr>
<td>Sodium</td>
<td>No</td>
<td>EPA 200.7</td>
<td>2.0</td>
<td>mg/L</td>
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<tr>
<td>Thallium</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.001</td>
<td>mg/L</td>
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<tr>
<td>Tin</td>
<td>No</td>
<td>EPA 200.7</td>
<td>5.0</td>
<td>mg/L</td>
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<tr>
<td>Vanadium</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.01</td>
<td>mg/L</td>
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</tbody>
</table>
### Analyte List for Profile III

<table>
<thead>
<tr>
<th>Constituent/Parameter</th>
<th>Field Filter</th>
<th>Analytical Method(^{(1)})</th>
<th>Reporting Limit(^{(2)})</th>
<th>Reporting Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc</td>
<td>No</td>
<td>EPA 200.7</td>
<td>0.02</td>
<td>mg/L.</td>
</tr>
</tbody>
</table>

**Radiological**

<table>
<thead>
<tr>
<th>Constituent/Parameter</th>
<th>Field Filter</th>
<th>Analytical Method(^{(1)})</th>
<th>Reporting Limit(^{(2)})</th>
<th>Reporting Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uranium(^{(5)},) Total</td>
<td>No</td>
<td>EPA 200.8</td>
<td>0.005</td>
<td>mg/L.</td>
</tr>
</tbody>
</table>

**Footnotes:**

1. The provided list is the most common analytical methods used for the constituents. A full list of methods can be found in 40 CFR Part 136 Table 1B. Verify if the method is certified by the State of Nevada, Bureau of Safe Drinking Water, Lab Certification Program.

2. Samples requiring dilution may result in higher reporting limits for the respective parameter.

3. Acidity shall be analyzed when the pH is less than or equal to 5 standard units (S.U.).

4. Alkalinity (Bicarbonate and Total) shall be analyzed when pH is greater than or equal to 4.5 S.U.

5. If Uranium is greater than or equal to 0.03 mg/L then the Division will require an analysis of the sample for Profile R, which can be found on the Division’s website at: [https://ndep.nv.gov/land/mining](https://ndep.nv.gov/land/mining).