This system is for determining the impurities in p-xylene as described in below compound table. It requires the use of a dedicated gas chromatographic system which is configured with an automatic liquid injector.

**Analyzer Information**

**System Configuration:**
One SPL injector / one capillary column / one FID detector

**Sample Information:**
Trace hydrocarbon impurities in high purity p-xylene

**Methods met:**
UOP-720

**Concentration Range:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of Compound</th>
<th>Concentration Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Non-aromatics</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>2</td>
<td>Benzene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>3</td>
<td>Toluene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>4</td>
<td>Ethylbenzene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>5</td>
<td>m-Xylene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>6</td>
<td>o-Xylene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>7</td>
<td>C9+ Aromatics</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>8</td>
<td>1,4-Diethylbenzene</td>
<td>0.002% - 2.000%</td>
</tr>
<tr>
<td>9</td>
<td>p-Xylene</td>
<td>98.000% - 100.000%</td>
</tr>
</tbody>
</table>

Detection limits may vary depending on the sample. Please contact us for more consultation.

**System Features**

- Single FID channel
- Good repeatability

**Typical Chromatograms**

![Chromatogram of FID](image)