Organic Acids in Beer

Column: Aqua® 5 µm C18 125 Å, LC Column 250 x 4.6 mm, Ea
Dimensions: 250 x 4.6 mm ID
Order No: 00G-4299-E0
Elution Type: Isocratic
Eluent A: 50 mM KH2PO4, pH 2.9
Gradient Profile:

<table>
<thead>
<tr>
<th>Step No.</th>
<th>Time (min)</th>
<th>Pct A</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>100</td>
</tr>
</tbody>
</table>

Flow Rate: 0.7 mL/min
Col. Temp.: 35 °C
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 220 nm (ambient)

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.
- SecurityGuard Cartridges, AQ C18 4 x 3.0mm, 10/Pk Part No.: AJ0-7511
- Holder Part No.: KJ0-4282

Products used in this application:
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ANALYTES:
1 Oxalic acid
2 Gluconic acid
3 Formic acid
4 Ketopropionic acid
5 Malic acid
6 Ketoglutaric acid
7 Lactic acid
8 Acetic acid
9 Citric acid
10 Fumaric acid
11 Succinic acid
12 Propionic acid