### Zusammenfassung Labormittelwerte

**Probe 1**

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<th>Einheit</th>
<th>Formaldehyd</th>
<th>Z-Score</th>
<th>Acetaldehyd</th>
<th>Z-Score</th>
<th>Propionaldehyd</th>
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**Methode**

- ISO 5725-2
- ISO 5725-2
- ISO 5725-2

**Bewertung**

- \(|Z|\leq 2,00\)
- \(|Z|\leq 2,00\)
- \(|Z|\leq 2,00\)

**Mittelwert**

- 0,092
- 0,599
- 0,639

**Vergleich-Stdabw.**

- 0,013
- 0,079
- 0,100

**Rel. Vergleich-Stdabw.**

- 14,00 %
- 13,14 %
- 15,67 %

**Referenzwert**

- 0,082
- 0,572
- 0,612

**Soll-Stdabw.**

- 0,009
- 0,060
- 0,064

**Rel. Soll-Stdabw.**

- 10,00 %
- 10,00 %
- 10,00 %

**Unt. Toleranzgr.**

- 0,074
- 0,479
- 0,511

**Ob. Toleranzgr.**

- 0,111
- 0,718
- 0,767

**Anzahl B-Ausreißer**

- 0
- 0
- 0

**Anzahl E-Ausreißer**

- 4
- 2
- 3

**Anzahl F-Ausreißer**

- 1
- 0
- 0
### Anzahl teilnehmender Labore, nach der Eliminierung der Ausreißer A-D und F

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<tr>
<th>Formaldehyd Z-Score</th>
<th>Acetaldehyd Z-Score</th>
<th>Propionaldehyd Z-Score</th>
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(ohne Labore, die keine Messwerte, sondern nur einen Status angegeben haben)

### Erläuterung der Ausreißertypen

A: Einzelausreißer  
B: abw. Labormittelwert  
C: überr. Labor-Stdabw.  
D: manuell entfernt  
E: Score außerhalb Tol.-Bereich  
F: |Score|>3,5
**Zusammenfassung Labormittelwerte**

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<td>Propionaldehyd</td>
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<td>Anzahl teilnehmender Labore, nach der Eliminierung der Ausreißer A-D und F (ohne Labore, die keine Messwerte, sondern nur einen Status angegeben haben)</td>
<td>10</td>
<td>11</td>
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**Erläuterung der Ausreißertypen**

A: Einzelausreißer
B: abw. Labormittelwert
C: überh. Labor-Stdabwe.
D: manuell entfernt
E: Score außerhalb Tol.-Bereich
F: |Score|>3,5
Zusammenfassung Labormittelwerte

Probe 3

<table>
<thead>
<tr>
<th>Einheit</th>
<th>Formaldehyd</th>
<th>Z-Score</th>
<th>Acetaldehyd</th>
<th>Z-Score</th>
<th>Propionaldehyd</th>
<th>Z-Score</th>
<th>Butyraldehyd</th>
<th>Z-Score</th>
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<td>0,583</td>
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<td>0,136</td>
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<td>0,501</td>
<td>0,504</td>
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<tr>
<td>Vergleich-Stdabw.</td>
<td>0,018</td>
<td>0,055</td>
<td>0,061</td>
<td>0,072</td>
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<tr>
<td>Rel. Vergleich-Stdabw.</td>
<td>13,13 %</td>
<td>11,46 %</td>
<td>12,20 %</td>
<td>14,21 %</td>
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<tr>
<td>Referenzwert</td>
<td>0,117</td>
<td>0,441</td>
<td>0,477</td>
<td>0,476</td>
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<tr>
<td>Soll-Stdabw.</td>
<td>0,014</td>
<td>0,048</td>
<td>0,050</td>
<td>0,050</td>
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<tr>
<td>Rel. Soll-Stdabw.</td>
<td>10,00 %</td>
<td>10,00 %</td>
<td>10,00 %</td>
<td>10,00 %</td>
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<tr>
<td>unt. Toleranzgr.</td>
<td>0,109</td>
<td>0,382</td>
<td>0,400</td>
<td>0,403</td>
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<tr>
<td>ob. Toleranzgr.</td>
<td>0,163</td>
<td>0,573</td>
<td>0,601</td>
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<td>Anzahl B-Ausreißer</td>
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<td>Z-Score</td>
<td>Acetaldehyd</td>
<td>Z-Score</td>
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Erläuterung der Ausreißertypen

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<th>Typ</th>
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<td>A</td>
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<td>B</td>
<td>abw. Labormittelwert</td>
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<tr>
<td>C</td>
<td>überh. Labor-Stdabwe.</td>
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<tr>
<td>D</td>
<td>manuell entfernt</td>
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<td>E</td>
<td>Score außerhalb Tol.-Bereich</td>
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<td>F</td>
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Einzeldarstellung Mittelwerte

Merkmal: Formaldehyd
Probe: 1
Methode: ISO 5725-2
Rel. Soll-Stdabw.: 10,00% (Limited)

Anzahl Labore: 10

Mittelwert: 0,092 mg/m³
Vergleich-Stdabw. (SR): 0,013 mg/m³
Rel. Vergleich-Stdabw. (VR): 14,00%
Referenzwert: 0,082 mg/m³
Toleranzbereich: 0,074 - 0,111 mg/m³ (|Z-Score| <= 2,00)

Mittelwert
Ref.wert
Toleranzgrenze

mg/m³

Labor
Einzeldarstellung Mittelwerte

Merkmal: Acetaldehyd  Mittelwert: 0,599 mg/m³
Probe: 1  Vergleich-Stdabw. (SR): 0,079 mg/m³
Methode: ISO 5725-2  Rel. Vergleich-Stdabw. (VR): 13,14%
Rel. Soll-Stdabw.: 10,00% (Limited)  Referenzwert: 0,572 mg/m³
Anzahl Labore: 11  Toleranzbereich: 0,479 - 0,718 mg/m³ ([Z-Score] <= 2,00)
## Einzeldarstellung Mittelwerte

<table>
<thead>
<tr>
<th>Merkmal:</th>
<th>Propionaldehyd</th>
<th>Mittelwert:</th>
<th>0.639 mg/m³</th>
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<tbody>
<tr>
<td>Probe:</td>
<td>1</td>
<td>Vergleich-Stdabw. (SR):</td>
<td>0.100 mg/m³</td>
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<tr>
<td>Methode:</td>
<td>ISO 5725-2</td>
<td>Rel. Vergleich-Stdabw. (VR):</td>
<td>15.67%</td>
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<tr>
<td>Rel. Soll-Stdabw.:</td>
<td>10,00% (Limited)</td>
<td>Referenzwert:</td>
<td>0.612 mg/m³</td>
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<td>Anzahl Labore:</td>
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<td>Toleranzbereich:</td>
<td>0.511 - 0.767 mg/m³ ([Z-Score] &lt;= 2.00)</td>
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</tbody>
</table>

![Diagramm der Propionaldehydmittelwerte](image-url)
Übersicht Z-Scores

Probe: 1

Z-Score

Formaldehyd

-2,19  2,16

Acetaldehyd

-2,08  2,05

Propionaldehyd

-2,07  2,85

Labor

5 34 40 72 107 111 152 158 159 191 197

Z-Score

2,48  4,33
Einzeldarstellung Mittelwerte

Merkmal: Formaldehyd
Mittelwert: 0,058 mg/m³

Probe: 2
Vergleich-Stdabw. (SR): 0,007 mg/m³

Methode: ISO 5725-2
Rel. Vergleich-Stdabw. (VR): 12,80%

Rel. Soll-Stdabw.: 10,00% (Limited)
Referenzwert: 0,050 mg/m³

Anzahl Labore: 10
Toleranzbereich: 0,046 - 0,069 mg/m³ ([Z-Score] <= 2,00)
## Einzeldarstellung Mittelwerte

<table>
<thead>
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<th>Merkmal:</th>
<th>Propionaldehyd</th>
<th>Mittelwert:</th>
<th>1,045 mg/m³</th>
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<tbody>
<tr>
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<td>Rel. Vergleich-Stdabw. (VR):</td>
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<tr>
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<td>0,836 - 1,254 mg/m³ ([Z-Score] &lt;= 2,00)</td>
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![Diagramm mit Mittelwerten und Referenzzwerten]
Einzeldarstellung Mittelwerte

Merkmal: Butyraldehyd  
Mittelwert: 1,051 mg/m³

Probe: 2  
Vergleich-Stdabw. (SR): 0,141 mg/m³

Methode: ISO 5725-2  
Rel. Vergleich-Stdabw. (VR): 13,43%

Rel. Soll-Stdabw.: 10,00% (Limited)  
Referenzwert: 0,922 mg/m³

Anzahl Labore: 11  
Toleranzbereich: 0,840 - 1,261 mg/m³ (|Z-Score| <= 2,00)
Übersicht Z-Scores

Probe: 2

Merkmal
- Formaldehyd
- Propionaldehyd
- Butyaldehyd

<table>
<thead>
<tr>
<th>Labor</th>
<th>Formaldehyd</th>
<th>Propionaldehyd</th>
<th>Butyaldehyd</th>
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Einzeldarstellung Mittelwerte

Merkmal: Formaldehyd
Probe: 3
Methode: ISO 5725-2
Rel. Soll-Stdabw.: 10,00% (Limited)
Anzahl Labore: 11

Mittelwert: 0,136 mg/m³
Vergleich-Stdabw. (SR): 0,018 mg/m³
Rel. Vergleich-Stdabw. (VR): 13,13%
Referenzwert: 0,117 mg/m³
Toleranzbereich: 0,109 - 0,163 mg/m³ (|Z-Score| <= 2,00)
Einzeldarstellung Mittelwerte

Merkmal: Acetaldehyd  
Mittelwert: 0,477 mg/m³
Probe: 3  
Vergleich-Stdabw. (SR): 0,055 mg/m³
Methode: ISO 5725-2  
Rel. Vergleich-Stdabw. (VR): 11,46%
Rel. Soll-Stdabw.: 10,00% (Limited)
Referenzwert: 0,441 mg/m³
Anzahl Labore: 11  
Toleranzbereich: 0,382 - 0,573 mg/m³ (|Z-Score| <= 2,00)
Einzeldarstellung Mittelwerte

Merkmal: Propionaldehyd
Probe: 3
Methode: ISO 5725-2
Rel. Soll-Stdabw.: 10,00% (Limited)
Anzahl Labore: 11

Mittelwert: 0,501 mg/m³
Vergleich-Stdabw. (SR): 0,061 mg/m³
Rel. Vergleich-Stdabw. (VR): 12,20%
Referenzwert: 0,477 mg/m³
Toleranzbereich: 0,400 - 0,601 mg/m³ (|Z-Score| <= 2,00)
Einzeldarstellung Mittelwerte

Merkmal: Butyraldehyd
Mittelwert: 0,504 mg/m³
Probe: 3
Vergleich-Stdabw. (SR): 0,072 mg/m³
Methode: ISO 5725-2
Rel. Vergleich-Stdabw. (VR): 14,21%
Rel. Soll-Stdabw.: 10,00% (Limited)
Referenzwert: 0,476 mg/m³
Anzahl Labore: 11
Toleranzbereich: 0,403 - 0,605 mg/m³ (|Z-Score| <= 2,00)
Übersicht Z-Scores

Probe: 3

Formaldehyd   Acetaldehyd   Merkmal   Propionaldehyd   Butyraldehyd

Z-Score

-3 -2 -1 0 1 2 3 -3 -2 -1 0 1 2 3 -3 -2 -1 0 1 2 3

Labor

5 34 40 72 107 111 152 158 159 191 197

2.31 2.21 2.17 -2.06 2.76
### Fragen und Antworten

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Probenträgertyp</th>
<th>Welche Pumpe wurde verwendet?</th>
<th>Volumenstrom</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>LP DNPH SUPELCO</td>
<td>SG350</td>
<td>0,33 l/min</td>
</tr>
<tr>
<td>40</td>
<td>Waters Sep-Pak Plus-Short Body (360mg)</td>
<td>Gillian LFS 113</td>
<td>200 ml/min</td>
</tr>
<tr>
<td>72</td>
<td>DNPH Kartuschen XPoSure Aldehyde Sampler, Fa. Waters</td>
<td>Gil Air und SG 350</td>
<td>333 ml/min</td>
</tr>
<tr>
<td>107</td>
<td>LpDNH H10 Kartuschen von Supelco</td>
<td>GSA SG4000 / Gillian</td>
<td>0,3l/min / 0,5l/min</td>
</tr>
<tr>
<td>111</td>
<td>DNPH-Kartusche</td>
<td>GSA SG 4000</td>
<td>0,5 bis 1,0 l/min</td>
</tr>
<tr>
<td>152</td>
<td>DNPH Supelco</td>
<td>Turzer</td>
<td>1,5 Liter/min</td>
</tr>
<tr>
<td>158</td>
<td>Supelco LpDNPH S10</td>
<td>GSA SG 4000 und Gillian PP5 - Ex</td>
<td>0,5 L/min</td>
</tr>
<tr>
<td>159</td>
<td>Waters Sep-Pak, XPoSure Aldehyde, DNPH-Kartusche</td>
<td>GSA 4000ex, Gillian PP5-ex</td>
<td>1,0 Liter / min</td>
</tr>
<tr>
<td>191</td>
<td>WPOSURE DNPH CART. WATERS</td>
<td>Pompe Gilair LFS</td>
<td>330 ml/min</td>
</tr>
<tr>
<td>197</td>
<td>DNPN-Silicagel (SKC)</td>
<td>Firma GSA Typ SG4000ex</td>
<td>ca 0,5l</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Probenahmedauer</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>2 h</td>
</tr>
<tr>
<td>40</td>
<td>Prüfgas 1 = 102 Minuten, Prüfgas 2 = 110 Minuten, Prüfgas 3 = 93 Minuten</td>
</tr>
<tr>
<td>72</td>
<td>60 min</td>
</tr>
<tr>
<td>107</td>
<td>120 min / 60 min</td>
</tr>
<tr>
<td>111</td>
<td>25 min bis 60 min</td>
</tr>
<tr>
<td>152</td>
<td>30 Minuten</td>
</tr>
<tr>
<td>158</td>
<td>30 min und 60 min</td>
</tr>
<tr>
<td>159</td>
<td>60 min</td>
</tr>
<tr>
<td>191</td>
<td>2 hours</td>
</tr>
<tr>
<td>197</td>
<td>120 min</td>
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</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Methode</th>
</tr>
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<tbody>
<tr>
<td>34</td>
<td>HPLC Hausmethode</td>
</tr>
<tr>
<td>40</td>
<td>Validierte Hausmethode AA.EZM/I.09</td>
</tr>
<tr>
<td>72</td>
<td>Hausmethode in Anlehnung IFA Methode 6045</td>
</tr>
<tr>
<td>107</td>
<td>VDI 3862 Bl. 3</td>
</tr>
<tr>
<td>111</td>
<td></td>
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<tr>
<td>Teilnehmer</td>
<td>Methode</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
</tr>
<tr>
<td>152</td>
<td>DNPH</td>
</tr>
<tr>
<td>158</td>
<td>Bestimmung als Derivate von 2,4- Dinitrophenylhydrazin (2,4-DNPH) mittels Hochleistungs-Flüssigkeits-Chromatografie (HPLC) und UV-Absorption</td>
</tr>
<tr>
<td>159</td>
<td>SOP BGN 5P, HPLC, PN mit DNPH</td>
</tr>
<tr>
<td>191</td>
<td>ISO 16000-3 / ana 033 (internal method)</td>
</tr>
<tr>
<td>197</td>
<td>BGIA 7520</td>
</tr>
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<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Beginn der Aufarbeitung</th>
<th>Desorptionsmittel</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>20.09.2012</td>
<td>Acetonitril</td>
</tr>
<tr>
<td>40</td>
<td>17.09.2012</td>
<td>Acetonitril</td>
</tr>
<tr>
<td>72</td>
<td>13.09.12</td>
<td>Acetonitril</td>
</tr>
<tr>
<td>111</td>
<td>17.09.2012</td>
<td>Acetonitril</td>
</tr>
<tr>
<td>152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>13.09.2012</td>
<td>LpDNPH S10 2,4- Dinitrophenylhydrazin</td>
</tr>
<tr>
<td>159</td>
<td>14.09.2012</td>
<td>Acetonitril mit DNPH u. H3PO4 (in 200ml AcN: 250mg DNPH + 2ml H3PO4)</td>
</tr>
<tr>
<td>191</td>
<td>13/09/12</td>
<td>acetonitrile</td>
</tr>
<tr>
<td>197</td>
<td>14.9.2012</td>
<td>Acetonitril</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Desorptionsvolumen</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>2 ml</td>
</tr>
<tr>
<td>40</td>
<td>2 ml (Die Kartuschen werden aufgeschnitten, der Kartuscheninhalt in ein Vial überführt und mit 2 ml überschichtet, dann 15 Minuten Ultraschallbad und Filtration in ein 1 ml - Vial )</td>
</tr>
<tr>
<td>72</td>
<td>2,7 ml</td>
</tr>
<tr>
<td>107</td>
<td>5 ml</td>
</tr>
<tr>
<td>111</td>
<td>5 ml</td>
</tr>
<tr>
<td>152</td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>2 x 2 ml und auf 5 aufgefüllt</td>
</tr>
<tr>
<td>159</td>
<td>5 ml</td>
</tr>
<tr>
<td>191</td>
<td>5 ml</td>
</tr>
<tr>
<td>197</td>
<td>5 ml</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Lagerzeit nach Desorption</th>
</tr>
</thead>
</table>
### Ringversuch Aldehyde mit Probenahme 1/2012

#### Teilnehmer Lagerzeit nach Desorption

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Lagerzeit nach Desorption</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>nein</td>
</tr>
<tr>
<td>40</td>
<td>keine - Direkte Messung nach der 15 minütigen Desorption im Ultraschallbad, allerdings Wartezeit nach abtrennen vom Adsorbens auf dem Autosampler bis zur Messung. Bei den jeweils 8 aufeinanderfolgenden Proben eines Prüfgases wurde durch die Wartezeit keine unterschiedlichen Konzentrationen erreicht. Stabw n ≤ 1,2 %</td>
</tr>
<tr>
<td>72</td>
<td>15 min</td>
</tr>
<tr>
<td>107</td>
<td>1 - 7 Tage</td>
</tr>
<tr>
<td>111</td>
<td>&lt;24 h</td>
</tr>
<tr>
<td>152</td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>1 Tag bei Raumtemperatur gelagert</td>
</tr>
<tr>
<td>159</td>
<td>48 h</td>
</tr>
<tr>
<td>191</td>
<td>no</td>
</tr>
<tr>
<td>197</td>
<td>30 min</td>
</tr>
</tbody>
</table>

#### Teilnehmer Datum der Analyse Pumpe/Vordruck

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Datum der Analyse</th>
<th>Pumpe/Vordruck</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>20.9.2012</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>17.09.2012 und 18.09.2012 bedingt durch Wartezeit auf Autosampler vor der Injektion</td>
<td>70 bar</td>
</tr>
<tr>
<td>107</td>
<td>20. - 27. Sept.</td>
<td>80 bar</td>
</tr>
<tr>
<td>152</td>
<td>21.9.2012</td>
<td></td>
</tr>
<tr>
<td>191</td>
<td>14/09/12</td>
<td>pump gradient/1700psi</td>
</tr>
<tr>
<td>197</td>
<td>24.9.2012</td>
<td></td>
</tr>
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#### Teilnehmer Injektionsvolumen Laufmittel

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Injektionsvolumen</th>
<th>Laufmittel</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>10 µl</td>
<td>Acetonitril /Methanol /Wasser 6:1:3</td>
</tr>
<tr>
<td>40</td>
<td>10 µl</td>
<td>Acetonitril / Wasser Am Anfang der Analyse 40 % Acetonitril - Gradient - bei 15 Minuten 80 % Acetonitril</td>
</tr>
<tr>
<td>72</td>
<td>10 µl</td>
<td>ACN- Wasser- THF</td>
</tr>
<tr>
<td>107</td>
<td>20 µl</td>
<td>ACN/H2O</td>
</tr>
<tr>
<td>111</td>
<td>10 µl</td>
<td>ACN/H2O 65/35</td>
</tr>
<tr>
<td>152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>5µL</td>
<td>Acetonitril/Wasser</td>
</tr>
</tbody>
</table>
# Ringversuch Aldehyde mit Probenahme 1/2012

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Injektionsvolumen</th>
<th>Laufmittel</th>
</tr>
</thead>
<tbody>
<tr>
<td>159</td>
<td>10 µl</td>
<td>Methanol / Wasser / Acetonitril</td>
</tr>
<tr>
<td>191</td>
<td>20 µl</td>
<td>w ater/THF/MeCN</td>
</tr>
<tr>
<td>197</td>
<td>20</td>
<td>ACN/Wasser 20:80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Gradient/Temp.prg</th>
<th>Flussrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>ohne</td>
<td>0.7 ml/min</td>
</tr>
<tr>
<td>40</td>
<td>40 °C</td>
<td>1.0 ml/min</td>
</tr>
<tr>
<td>72</td>
<td>5 min: 35% ACN, 55% Wasser, 10% THF; nach 11 min: 50% ACN, 50% Wasser; nach 21 min 100% ACN; Säulentemp. 30 Grad C</td>
<td>0.5 ml/min</td>
</tr>
<tr>
<td>107</td>
<td>Gradient 50% ACN - 100% ACN</td>
<td>0.6/ml</td>
</tr>
<tr>
<td>111</td>
<td>isokratisch, 20 °C</td>
<td>0.8 ml/min</td>
</tr>
<tr>
<td>152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>Von 60% Acetonitril bis 100% Acetonitril in 30 min</td>
<td>1.000 ml/min</td>
</tr>
<tr>
<td>159</td>
<td>0-8,99 min: M52%/W31%/A17%; 9-28 min: M52%/W15%/A33%; 28+3 min: M52%/W31%/A17%</td>
<td>0.8 ml/min</td>
</tr>
<tr>
<td>191</td>
<td>60/10/30 --&gt; 40/0/60 (22min) --&gt; 20/0/80 (25min) --&gt; 10/0/90 (30min)</td>
<td>1,2 ml/min</td>
</tr>
<tr>
<td>197</td>
<td>konstant über die angegebenen Peaks</td>
<td>1 ml</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teilnehmer</th>
<th>Detektor</th>
<th>Messwellenlänge</th>
<th>Trennsäule/Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>DAD</td>
<td>365 nm</td>
<td>ODS Hypersil 5µm 250x4.6 mm</td>
</tr>
<tr>
<td>40</td>
<td>DAD Detektor</td>
<td>363</td>
<td>LiChrospher 100 RP 18 endcapped 150 mm * 4 mm / 5 µm</td>
</tr>
<tr>
<td>72</td>
<td>PDA</td>
<td>210-500 nm, extracted channel 365 nm</td>
<td>Polaris 3, C18-A, S 150x3,0 mm Säule Fa. Varian</td>
</tr>
<tr>
<td>107</td>
<td>DAD</td>
<td>365 nm</td>
<td>Supelco LC18; 25cm x 4,6 cm x 5µm // Reprospher C-18 Aqua 5µm</td>
</tr>
<tr>
<td>111</td>
<td>UV-DAD</td>
<td>365 nm</td>
<td>C12, Phenominex, Max RP808 250 mmx4,6µ</td>
</tr>
<tr>
<td>158</td>
<td>DAD-UV</td>
<td>360nm</td>
<td>Hypersil ODS 4.0 x 250mm 5 Micron</td>
</tr>
<tr>
<td>159</td>
<td>DAD (HP 1100/1200 Serie)</td>
<td>365 nm; 4nm Bw</td>
<td>ODS-Hypersil 250x4mm; 5µm von HP mit Vorsäule</td>
</tr>
<tr>
<td>191</td>
<td>UV (w aters 2487)</td>
<td>360 nm</td>
<td>reversed phase C18 5µm ; 3,9 x 150mm</td>
</tr>
<tr>
<td>197</td>
<td>DAD</td>
<td>365 nm</td>
<td>C-18 (5 µm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<th>Wiederfindungsraten</th>
<th>Kommentare, Besonderheiten</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>ohne</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>100 %</td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Teilnehmer</td>
<td>Wiederfindungsraten</td>
<td>Kommentare, Besonderheiten</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>107</td>
<td>87 - 93%</td>
<td>w. g. defekter Säule, Säulenaustausch während Analysenlauf</td>
</tr>
<tr>
<td>111</td>
<td>keine</td>
<td></td>
</tr>
<tr>
<td>152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>158</td>
<td>Es wurde ein unabhängiger Kontrollstandard verwendet</td>
<td></td>
</tr>
<tr>
<td>159</td>
<td>99 - 100%</td>
<td></td>
</tr>
<tr>
<td>191</td>
<td></td>
<td></td>
</tr>
<tr>
<td>197</td>
<td>84-90%</td>
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</tbody>
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