SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE  4/25/2018  SEQUENCE NAME  25Apr18

EQUIPMENT
Pipettor  Hamilton ML600EH7497  Agilent US14173023
Gas Chromatograph  Hamilton ML600GJ10749

INSTRUMENT CALIBRATION
Vial 1  0.02 calibrator  Lot  FN03241604  Coefficient of determination (r²)  1.00000
Vial 2  0.10 calibrator  Lot  FN06181501
Vial 3  0.20 calibrator  Lot  FN07201502
Vial 4  0.40 calibrator  Lot  FN1191402

CALIBRATION VERIFICATION AND RESOLUTION TEST

<table>
<thead>
<tr>
<th>Vial</th>
<th>Sample</th>
<th>Expected result</th>
<th>Measured result</th>
<th>Manufacturer/lot</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Blank</td>
<td>Not detected</td>
<td>Not detected</td>
<td>SPD lab 010318</td>
</tr>
<tr>
<td>6</td>
<td>Volatiles mixture</td>
<td>6 compounds</td>
<td>6 compounds</td>
<td>SPD lab 020917WL</td>
</tr>
<tr>
<td>7</td>
<td>Aqueous control</td>
<td>0.400 g/dL</td>
<td>0.402 g/dL</td>
<td>Lipomed 08012015-C</td>
</tr>
<tr>
<td>8</td>
<td>Aqueous control</td>
<td>0.040 g/dL</td>
<td>0.039 g/dL</td>
<td>Lipomed 09022015-A</td>
</tr>
<tr>
<td>9</td>
<td>Blood control</td>
<td>0.198 g/dL</td>
<td>0.200 g/dL</td>
<td>ACQ 407041529/3</td>
</tr>
<tr>
<td>20</td>
<td>Aqueous control</td>
<td>0.080 g/dL</td>
<td>0.081 g/dL</td>
<td>Lipomed 28082014-B</td>
</tr>
<tr>
<td>31</td>
<td>Aqueous control</td>
<td>0.150 g/dL</td>
<td>0.153 g/dL</td>
<td>Lipomed 08022015-C</td>
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<tr>
<td>42</td>
<td>Blood control</td>
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<td>0.202 g/dL</td>
<td>ACQ 407041529/3</td>
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<tr>
<td>49</td>
<td>Aqueous control</td>
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<td>0.408 g/dL</td>
<td>Lipomed 08012015-C</td>
</tr>
<tr>
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<td>Aqueous control</td>
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<td>0.040 g/dL</td>
<td>Lipomed 09022015-A</td>
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<tr>
<td>51</td>
<td>Blood control</td>
<td>0.198 g/dL</td>
<td>0.203 g/dL</td>
<td>ACQ 407041529/3</td>
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<td>52</td>
<td>Blank</td>
<td>Not detected</td>
<td>Not detected</td>
<td>SPD lab 010318</td>
</tr>
</tbody>
</table>

SUBJECT SAMPLES

Subjects in the sequence  18  Subjects requiring reanalysis  0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid  X  Run valid  X
Run invalid  Run invalid

Analyst  [signature]  4/25/18
Technical Reviewer  [signature]  4/25/18

Document ID: 1208  Issuing Authority: Kris Cano, Forensic Laboratory Manager
Revision Date: 02/27/2017  Page 1 of 1
Scottsdale Police Department Crime Laboratory
Sequence Quality Assurance Summary

SEQUENCE NAME: 25Apr18
ANALYST: Adrian

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Vial</th>
<th>Measured Value (g/dL)</th>
<th>Expected Value (g/dL)</th>
<th>Percent Difference</th>
<th>Absolute Difference (g/dL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>blank 010318</td>
<td>5</td>
<td>negative</td>
<td>negative</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.400 Lipomed 08012015-C</td>
<td>7</td>
<td>0.402</td>
<td>0.400</td>
<td>0.50</td>
<td>0.002</td>
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<tr>
<td>0.040 Lipomed 09022015-A</td>
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<td>0.040</td>
<td>2.60</td>
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<td>0.198 ACQ 407041528/3</td>
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<td>0.200</td>
<td>0.198</td>
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<td>0.002</td>
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<td>0.081</td>
<td>0.080</td>
<td>1.25</td>
<td>0.001</td>
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<td>0.150 Lipomed 09022015-C</td>
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<td>0.003</td>
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<td>0.198 ACQ 407041528/3</td>
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<td>0.40 Lipomed 08012015-C</td>
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<td>0.400</td>
<td>2.00</td>
<td>0.008</td>
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<td>0.04 Lipomed 09022015-A</td>
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<td>0.040</td>
<td>0.040</td>
<td>0.00</td>
<td>0.000</td>
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<tr>
<td>0.198 ACQ 407041528/3</td>
<td>51</td>
<td>0.198</td>
<td>0.198</td>
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<td>0.005</td>
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<tr>
<td>blank 010318</td>
<td>62</td>
<td>negative</td>
<td>negative</td>
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<table>
<thead>
<tr>
<th>Calibrator</th>
<th>Ethanol Area</th>
<th>N-propanol Area</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.020</td>
<td>12.409</td>
<td>176.172</td>
<td>0.070</td>
</tr>
<tr>
<td>0.100</td>
<td>63.026</td>
<td>174.002</td>
<td>0.362</td>
</tr>
<tr>
<td>0.200</td>
<td>127.722</td>
<td>175.535</td>
<td>0.728</td>
</tr>
<tr>
<td>0.400</td>
<td>254.865</td>
<td>174.808</td>
<td>1.458</td>
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</tbody>
</table>

Calibration Line

\[ R^2 = 1.00000 \]
\[ y = ax + b \]
\[ a = 3.65175 \quad b = -0.00276 \]
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.020 Corilliant FN03241604
Injection date: 4/25/2018 9:29:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data\25Apr18\1.D

Item number: Vial: 1
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.224</td>
<td>12,409</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.011</td>
<td>176,172</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.345</td>
<td>14,310</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>205,764</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.100 Cerilliant FN06181501
Injection date: 4/25/2018 9:33:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14168045
Data file: C:\Chem32\11Data25Apr18\2.D

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.222</td>
<td>63.026</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.011</td>
<td>174.002</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>73.921</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>203.639</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.200 Cerilliant FN07201502
Injection date: 4/25/2018 9:37:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data\25Apr18\3.D

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.222</td>
<td>127,722</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.011</td>
<td>175,535</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.342</td>
<td>152,398</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>205,670</td>
</tr>
</tbody>
</table>
Sample: 0.400 Cerilliant FN11191402
Injection date: 4/25/2018 9:41:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\11\Data25Apr18V4.D

Item number: 4
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.221</td>
<td>254,865</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.011</td>
<td>174,806</td>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.341</td>
<td>305,963</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>204,875</td>
</tr>
</tbody>
</table>
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propanol</td>
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<td>2.011</td>
<td>172.163</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>200.623</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: volatiles mix 020617 WLA
Injection date: 4/25/2018 9:49:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data\25Apr18V6.D

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Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>0.083</td>
<td>0.975</td>
<td>16.341</td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>0.085</td>
<td>1.076</td>
<td>6.185</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.0699</td>
<td>1.223</td>
<td>41.790</td>
</tr>
<tr>
<td>Isopropanol</td>
<td></td>
<td>1.491</td>
<td>59.972</td>
</tr>
<tr>
<td>Acetone</td>
<td></td>
<td>1.802</td>
<td>17.181</td>
</tr>
<tr>
<td>n-Propanol</td>
<td></td>
<td>2.011</td>
<td>173.036</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.983</td>
<td>7.775</td>
</tr>
<tr>
<td>Methanol</td>
<td>1.063</td>
<td>12.647</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>48.693</td>
</tr>
<tr>
<td>Acetone</td>
<td>1.501</td>
<td>19.632</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>1.569</td>
<td>71.807</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>202.449</td>
</tr>
</tbody>
</table>

Page 1 of 1
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.400 Lipomed 08012015-C
Injection date: 4/25/2018 9:54:02 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Data25Apr18\7.D

Item number:
Vial: 7
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.4022</td>
<td>1.221</td>
<td>260.540</td>
</tr>
<tr>
<td>n-Propanol</td>
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<td>2.011</td>
<td>177.726</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.341</td>
<td>312.130</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>208.361</td>
</tr>
</tbody>
</table>
**Scottsdale Police Department Crime Lab Volatiles Analysis**

Sample: 0.040 Lipomed 09022015-A  
Injection date: 4/25/2018 9:58:02 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\1\Data25Apr18\8.D  

---

**Table 1: FID 1 A (column DB-ALC1)**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0398</td>
<td>1.223</td>
<td>25.187</td>
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<tr>
<td>n-Propanol</td>
<td>......</td>
<td>2.011</td>
<td>176.606</td>
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</table>

**Table 2: FID 2 B (column DB-ALC2)**

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>29.105</td>
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<tr>
<td>n-Propanol</td>
<td>2.373</td>
<td>206.388</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.198 ACQ 467041529/3
Injection date: 4/25/2016 10:02:01 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Date file: C:\Chem32\1DData25Apr18\9.D

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Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>0.2001</td>
<td>1.223</td>
<td>128.313</td>
</tr>
<tr>
<td>n-Propanol</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
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<td>152.762</td>
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<tr>
<td>n-Propanol</td>
<td>2.375</td>
<td>208.371</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.080 Lipomed 28082014-B
Injection date: 4/25/2018 10:46:32 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1Data\25Apr18\20.D

Item number:
Vial: 20
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0610</td>
<td>1.223</td>
<td>52.272</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>------</td>
<td>2.012</td>
<td>178.402</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
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<td>61.305</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>209.219</td>
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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.150 Lipomed 09022015-C
Injection date: 4/25/2018 11:31:02 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\Data\25Apr18\31.D

Item number:
Vial: 31
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.1530</td>
<td>1.223</td>
<td>98.882</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>------</td>
<td>2.012</td>
<td>177.862</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>117.625</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>209.591</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.198 ACQ 407041529/3
Injection date: 4/25/2018 12:15:17 PM
Method: ethanol quant M
Instrument: US14173923 CN14160045
Data file: C:\Chem32\Data25Apr18\V42.D

Item number:
Vial: 42
Sequence: 25Apr18
Analyst: Adrian

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Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propanol</td>
<td>0.2026</td>
<td>1.223</td>
<td>133.326</td>
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<tr>
<td>n-Propanol</td>
<td>2.013</td>
<td></td>
<td>180.869</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.345</td>
<td>159.890</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.375</td>
<td>213.363</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.40 Lipomed 08012015-C
Injection date: 4/25/2018 12:43:47 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1Data\25Apr1849.D

Item number:
Vial: 49
Sequence: 25Apr18
Analysis: Adrian

Dissemination is restricted to Criminal Justice Agencies and authorized NON-C.J. agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.

Scottsdale City Prosecutor

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.4083</td>
<td>1.222</td>
<td>261.146</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>175.491</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.342</td>
<td>315.132</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>207.421</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.04 Lipomed 09022015-A
Injection date: 4/25/2018 12:47:47 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\11Data25Apr1860.D

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Scottsdale City Prosecutor

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0409</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Time (min)</th>
<th>Peak Area</th>
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<tbody>
<tr>
<td>Ethanol</td>
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<td>n-Propanol</td>
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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 0.198 ACQ 407041529/3
Injection date: 4/25/2018 12:51:47 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1Data\25Apr18\61.D

Item number:
Vial: 51
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<th>Compound</th>
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</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.2031</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
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<td>n-Propanol</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: blank 010318
Injection date: 4/25/2018 12:55:47 PM
Method: ethanol quent.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\Data25Apr18\52.D

Item number:
Vial: 52
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<tr>
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Table 2: FID 2 B (column DB-ALC2)

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<tbody>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
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</table>

Dissemination is restricted to Criminal Justice Agencies and authorized NON-C.J. agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.
<table>
<thead>
<tr>
<th>Vial</th>
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<tr>
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### Sequence Summary

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<tr>
<th>Sample</th>
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<tbody>
<tr>
<td>46</td>
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<tr>
<td>49 0.40 Lipomed 08012015-C</td>
<td>Control</td>
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<tr>
<td>50 0.04 Lipomed 09022015-A</td>
<td>Control</td>
</tr>
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<td>51 0.198 ACQ 4070415293</td>
<td>Control</td>
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<tr>
<td>52 blank 010318</td>
<td>Control</td>
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</table>
## Scottsdale Police Department Crime Laboratory
### Summary of Cases

<table>
<thead>
<tr>
<th>Vials</th>
<th>Test 1 (g/dL)</th>
<th>Test 2 (g/dL)</th>
<th>Mean (g/dL)</th>
<th>Percent Difference*</th>
<th>Absolute Difference (g/dL)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 11</td>
<td>0.1514</td>
<td>0.1602</td>
<td>0.1508</td>
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<td>12 13</td>
<td>0.1433</td>
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<td>0.00040</td>
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<td>18 19</td>
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<td>0.08140</td>
<td>0.12</td>
<td>0.00010</td>
</tr>
</tbody>
</table>

*Calculated differences are differences from the mean of the two results.
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Propanol</td>
<td>0.1514</td>
<td>1.222</td>
<td>98.643</td>
</tr>
<tr>
<td>Ethanol</td>
<td>0.983</td>
<td>2.012</td>
<td>179.295</td>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
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<tbody>
<tr>
<td>Acetaldehyde</td>
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<tr>
<td>Ethanol</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>210.935</td>
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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]  
Injection date: 4/25/2016 10:10:01 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\Data\25Apr18\11.D

Item number: 1210081  
Vial: 11  
Sequence: 25Apr16  
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>0.1502</td>
<td>1.222</td>
<td>100.148</td>
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<tr>
<td>n-Propanol</td>
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<td>2.011</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
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<tbody>
<tr>
<td>Ethanol</td>
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<td>n-Propanol</td>
<td>2.373</td>
<td>216.050</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted] 1198180
Injection date: 4/25/2018 10:14:02 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\Data25Apr18\12.D
Vial: 12
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.076</td>
<td>4.777</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.1433</td>
<td>2.343</td>
<td>93.841</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>-----</td>
<td>2.012</td>
<td>180.323</td>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.863</td>
<td>6.021</td>
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<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>110.498</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>212.648</td>
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</tbody>
</table>
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.077</td>
<td>4.783</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.1441</td>
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<td>95.574</td>
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<tr>
<td>n-Propanol</td>
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<td>182.774</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>6.036</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>112.830</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>215.644</td>
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Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 
Injection date: 4/25/2018 10:22:17 AM 
Method: ethanol quant.M 
Instrument: US14173023 CN14160045 
Data file: C:\Chem321\Data25Apr18\14.D 
Item number: 1176252 
Vial: 14 
Sequence: 25Apr18 
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>----</td>
<td>1.077</td>
<td>4.541</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.1810</td>
<td>1.223</td>
<td>119.138</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>180.573</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.884</td>
<td>6.746</td>
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<tr>
<td>Ethanol</td>
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<td>142.685</td>
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<td>n-Propanol</td>
<td>2.375</td>
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Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-------</td>
<td>1.070</td>
<td>4.466</td>
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<tr>
<td>&gt;Ethanol</td>
<td>0.1766</td>
<td>1.222</td>
<td>116.525</td>
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<tr>
<td>n-Propanol</td>
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Table 2: FID 2B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
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<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.903</td>
<td>5.653</td>
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<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>140.170</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>210.263</td>
</tr>
</tbody>
</table>
### Scottsdale Police Department Crime Lab Volatiles Analysis

**Sample:**
- **Injection date:** 4/25/2018 10:30:16 AM  
- **Method:** ethanol quant.M  
- **Instrument:** US14173023 CN14160045  
- **Data file:** C:\Chem32\Import\25Apr1816.D

**Item number:** 1191653  
**Vial:** 16  
**Sequence:** 25Apr18  
**Analyst:** Adrian

---

#### Table 1: FID 1 A (column DB-ALC1)

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<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.077</td>
<td>5.432</td>
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<tr>
<td>&gt;Ethanol</td>
<td>0.1766</td>
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<td>117.951</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>183.479</td>
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</tbody>
</table>

#### Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.964</td>
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<td>Ethanol</td>
<td>1.344</td>
<td>139.248</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.375</td>
<td>215.994</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:  
Injection date: 4/25/2018 10:34:17 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\Data\25Apr1817.D

Sample:  
Injection date: 4/25/2018 10:34:17 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\Data\25Apr1817.D

Item number: 1191653  
Vial: 17  
Sequence: 25Apr18  
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.076</td>
<td>5.077</td>
</tr>
<tr>
<td>Ethanol</td>
<td>0.1767</td>
<td>1.223</td>
<td>115.739</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>161.176</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>6.382</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>137.590</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>213.031</td>
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</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.1924</td>
<td>1.226</td>
<td>129,562</td>
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<tr>
<td>n-Propanol</td>
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<td>2.016</td>
<td>185,032</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.349</td>
<td>154.135</td>
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<tr>
<td>n-Propanol</td>
<td>2.379</td>
<td>217.632</td>
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</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.1853</td>
<td>1.223</td>
<td>125.212</td>
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<tr>
<td>n-Propanol</td>
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<td>181.832</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>148.736</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>214.492</td>
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</table>
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>EtOH</td>
<td>0.1135</td>
<td>1.223</td>
<td>75.389</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>......</td>
<td>2.012</td>
<td>183.181</td>
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</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>EtOH</td>
<td>1.344</td>
<td>88.587</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>215.855</td>
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</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>0.1155</td>
<td>1.224</td>
<td>77.282</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>--------</td>
<td>2.013</td>
<td>184.408</td>
</tr>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.346</td>
<td>92.475</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.376</td>
<td>217.393</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 10:58:32 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem\321\Data25Apr18\23.D

Item number: 1210825
Vial: 23
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0749</td>
<td>1.223</td>
<td>50.363</td>
</tr>
<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>186.044</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.884</td>
<td>4.457</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.345</td>
<td>58.766</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.375</td>
<td>219.135</td>
</tr>
</tbody>
</table>
**Scottsdale Police Department Crime Lab Volatiles Analysis**

**Sample:**
Injection date: 4/25/2018 11:02:32 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14180045  
Data file: C:\Chem32\Data25Apr1824.D

**Item number:** 1210625  
**Vial:** 24  
**Sequence:** 25Apr18  
**Analyst:** Adrian

---

**Table 1: FID 1 A (column DB-ALC1)**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0756</td>
<td>1.223</td>
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<tr>
<td>n-Propanol</td>
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**Table 2: FID 2 B (column DB-ALC2)**

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
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<tbody>
<tr>
<td>Acetaldehyde</td>
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<td>4.530</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.345</td>
<td>60.939</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.375</td>
<td>223.270</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:  
Injection date: 4/25/2018 11:06:47 AM  
Method: ethanol quant.M  
Instrument: US14173023 CN14160045  
Data file: C:\Chem32\11\Data25Apr18\25.D  

Item number: 1298131  
Vial: 25  
Sequence: 25Apr16  
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.077</td>
<td>4.730</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
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<tr>
<td>n-Propanol</td>
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<td>2.013</td>
<td>182.882</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
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<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.985</td>
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<tr>
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<td>169.581</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.378</td>
<td>215.491</td>
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</table>

Page 1 of 1
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.076</td>
<td>4.880</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2119</td>
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<td>n-Propanol</td>
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<td>179.042</td>
</tr>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.983</td>
<td>6.145</td>
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<tr>
<td>Ethanol</td>
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<td>164.525</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>211.429</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:14:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\Data\25Apr18Q27.D

Item number: 1206666
Vial: 27
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>......</td>
<td>1.076</td>
<td>4.375</td>
</tr>
<tr>
<td>Ethanol</td>
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<tr>
<td>n-Propanol</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.993</td>
<td>5.501</td>
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<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>141.378</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>214.012</td>
</tr>
</tbody>
</table>

Page 1 of 1
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:18:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\1\Date\25Apr18\28.D

Item number: 1206068
Vial: 28
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.076</td>
<td>4.347</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.1803</td>
<td>1.222</td>
<td>117.945</td>
</tr>
<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>179.909</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.983</td>
<td>5.484</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>140.395</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>212.169</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

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Scottsdale City Prosecutor

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.078</td>
<td>4.021</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2465</td>
<td>1.224</td>
<td>167.345</td>
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<tr>
<td>n-Propanol</td>
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<td>2.014</td>
<td>184,668</td>
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</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
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<th>Peak Area</th>
</tr>
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<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.885</td>
<td>5.051</td>
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<tr>
<td>Ethanol</td>
<td>1.345</td>
<td>199.712</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.377</td>
<td>218,652</td>
</tr>
</tbody>
</table>

Page 1 of 1
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]
Injection date: 4/25/2018 11:26:47 AM
Method: ethanol quant.M
Instrument: US14173023 CN14150045
Data file: C:\Chem32\1\Data25Apr1830.D
Item number: 1206487
Vial: 30
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.2448</td>
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<td>159,027</td>
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<td>n-Propanol</td>
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<td>2.012</td>
<td>178,448</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Peak Area</th>
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<td>0.983</td>
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<td>Ethanol</td>
<td>1.343</td>
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</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>210,883</td>
</tr>
</tbody>
</table>

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Scottsdale City Prosecutor
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:35:02 AM
Method: ethanol quant M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\1\Data25Apr18\32.D

Item number: 1206853
Vial: 32
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
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<td>1.079</td>
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</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.1216</td>
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<tr>
<td>n-Propanol</td>
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<td>2.015</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.988</td>
<td>6.472</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.349</td>
<td>96.647</td>
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<tr>
<td>n-Propanol</td>
<td>2.379</td>
<td>220.271</td>
</tr>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.077</td>
<td>5,211</td>
</tr>
<tr>
<td>Ethanol</td>
<td>0.1209</td>
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<td>80,640</td>
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<td>n-Propanol</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
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<tr>
<td>Ethanol</td>
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<td>94,646</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.376</td>
<td>216,784</td>
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</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:43:02 AM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\1\Data25April34.D

Item number: 1208003
Vial: 34
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.076</td>
<td>5.060</td>
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<tr>
<td>&gt;Ethanol</td>
<td>0.2659</td>
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<td>n-Propanol</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
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<tr>
<td>Ethanol</td>
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<td>210.023</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>215.075</td>
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</tbody>
</table>

Page 1 of 1
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:47:02 AM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\1\Data25Apr18\35.D

Item number: 1208003
Vial: 35
Sequence: 25Apr18

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
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<td>1.076</td>
<td>5.045</td>
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<tr>
<td>&gt;Ethanol</td>
<td>0.2678</td>
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<tr>
<td>n-Propanol</td>
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<td>179.914</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>6.335</td>
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<tr>
<td>Ethanol</td>
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<td>208.027</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>212.188</td>
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</table>
Scottdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]  
Injection date: 4/25/2018 11:51:02 AM  
Method: ethanol quant.M  
Instrument: US14173029 CN14160045  
Data file: C:\Chem32\Data\25Apr18\36.D  
Item number: 1198049  
Vial: 36  
Sequence: 25Apr18  
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.077</td>
<td>5,233</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2434</td>
<td>1.223</td>
<td>158,165</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>178,465</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>6,583</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>168,853</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>211,089</td>
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</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 11:55:17 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\Data25Apr18\37.D

Item number: 1198049
Vial: 37
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>------</td>
<td>1.077</td>
<td>5.352</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2421</td>
<td>1.223</td>
<td>158.561</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>6.726</td>
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<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>169.326</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>213.088</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]
Injection date: 4/25/2018 11:59:17 AM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\11Data25Apr18\38.D

Item number: 1210564
Vial: 38
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acaldehyde</td>
<td>------</td>
<td>1.0/6</td>
<td>3.881</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.0739</td>
<td>1.223</td>
<td>48.411</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>191.358</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acaldehyde</td>
<td>0.983</td>
<td>4.904</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>56.406</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>214.428</td>
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</table>

Page 1 of 1
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]
Injection date: 4/25/2018 12:03:17 PM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\1Data\25Apr18\139.D

Item number: 1210564
Vial: 39
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0731</td>
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<td>47,990</td>
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<tr>
<td>n-Propanol</td>
<td></td>
<td>2.011</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.983</td>
<td>4.346</td>
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<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>55.933</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>215.026</td>
</tr>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 4212345678
Injection date: 4/25/2018 12:07:17 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160345
Data file: C:\Chem\Data\25Apr18\40.D
Item number: 1210288
Vial: 40
Sequence: 25Apr18
Analyst: Adrian

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Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.1008</td>
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<td>65.362</td>
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<tr>
<td>n-Propanol</td>
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<td>2.012</td>
<td>181.572</td>
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Table 2: FID 2 B (column DB-ALC2)

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<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>77.835</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>214.801</td>
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</tbody>
</table>
Dissemination is restricted to Criminal Justice Agencies and authorized NON-C.J. agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED.

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]
Injection date: 4/25/2018 12:11:17 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem321\Data25Apr18\41.D

<table>
<thead>
<tr>
<th>Item number</th>
<th>Vial</th>
<th>Sequence</th>
<th>Analyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>1210280</td>
<td>41</td>
<td>25Apr18</td>
<td>Adrian</td>
</tr>
</tbody>
</table>

Table 1: FID 1 A (column DB-ALC1)

<table>
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<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>0.1003</td>
<td>1.223</td>
<td>66.974</td>
</tr>
<tr>
<td>n-Propanol</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Peak Area</th>
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</thead>
<tbody>
<tr>
<td>Ethanol</td>
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</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>217.226</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:
Injection date: 4/25/2018 12:19:32 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem32\ID\Data25Apr18\143.D

Item number: 1210281
Vial: 43
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<tr>
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<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td></td>
<td>1.077</td>
<td>4.357</td>
</tr>
<tr>
<td>Ethanol</td>
<td>0.0772</td>
<td>1.224</td>
<td>51.522</td>
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<tr>
<td>n-Propanol</td>
<td></td>
<td>2.013</td>
<td>184.553</td>
</tr>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.985</td>
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<tr>
<td>Ethanol</td>
<td>1.346</td>
<td>80.301</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.376</td>
<td>219.930</td>
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</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 12:23:32 PM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\Data25Apr18\44.D

Item number: 1210281
Vial: 44
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

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<th>Time (min)</th>
<th>Peak Area</th>
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</thead>
<tbody>
<tr>
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<td>1.076</td>
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<td>n-Propanol</td>
<td>0.0764</td>
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Table 2: FID 2 B (column DB-ALC2)

<table>
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<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.988</td>
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<tr>
<td>Ethanol</td>
<td>1.344</td>
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<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>215.286</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 12:27:32 PM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\Data25Apr18\45.D
Item number: 1211361
Vial: 45
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.076</td>
<td>4.650</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2057</td>
<td>1.222</td>
<td>188,557</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>-----</td>
<td>2.012</td>
<td>161,209</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.884</td>
<td>5.849</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.343</td>
<td>225,667</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>214,798</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [redacted]
Injection date: 4/25/2018 12:31:32 PM
Method: ethanol quant.M
Instrument: US14173023 CN14160045
Data file: C:\Chem321\Data\25Apr18\46.D

Item number: 1211361
Vial: 46
Sequence: 25Apr18
Analyst: Adrian

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>-----</td>
<td>1.076</td>
<td>4,662</td>
</tr>
<tr>
<td>&gt;Ethanol</td>
<td>0.2950</td>
<td>1.222</td>
<td>187,398</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>-----</td>
<td>2.012</td>
<td>180,559</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.983</td>
<td>5,882</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.342</td>
<td>224,034</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>213,562</td>
</tr>
</tbody>
</table>
Scottsdale Police Department Crime Lab Volatiles Analysis

Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;Ethanol</td>
<td>0.0615</td>
<td>1.223</td>
<td>53,865</td>
</tr>
<tr>
<td>n-Propanol</td>
<td></td>
<td>2.012</td>
<td>182,079</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.963</td>
<td>4.281</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>62.982</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>216.099</td>
</tr>
</tbody>
</table>
Table 1: FID 1 A (column DB-ALC1)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Amount (g/100mL)</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>0.0813</td>
<td>1.223</td>
<td>52.509</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>------</td>
<td>2.012</td>
<td>178.827</td>
</tr>
</tbody>
</table>

Table 2: FID 2 B (column DB-ALC2)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Time (min)</th>
<th>Peak Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>0.984</td>
<td>4.281</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1.344</td>
<td>61.437</td>
</tr>
<tr>
<td>n-Propanol</td>
<td>2.374</td>
<td>211.372</td>
</tr>
</tbody>
</table>

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: [Redacted]
Injection date: 4/25/2018 12:39:32 PM
Method: ethanol quant.M
Instrument: US14173023 CN14180045
Data file: C:\Chem32\Data\25Apr1848.D

Item number: 1205448
Vial: 48
Sequence: 25Apr18
Analyst: Adrian