# Retrograde Alcohol Extrapolation Report

***Organization:*** BAC Tracker International, Inc.
***Reference ID#*** 0000-0000 ***Report Generated*** 1/26/2013

***Subject Information***

**Name:** Doe, John
**Age:** 37
**Gender:** Male
**Weight (lb):** 192
**Height (in):** 72

***Drink Consumption Information***

| Time of Interest (24hrs) | BAC (g/dl) | Range (+/-) |
|---|---|---|
| *2240* | *0.086* | *0.000* |

**Elimination Range (g/dl/hr)**
***Avg.***
**0.018**

**Volume Distribution**

| | |
|---|---|
| Widmark: | **0.680** |
| Watson: | **0.651** |
| Forrest: | **0.702** |
| Seidl: | **0.743** |
| Ulrich: | **0.715** |
| Pos.-Moz.: | **0.698** |

***Total Volume of Alcohol Consumed (100% alc/vol)***

| Formula | Volume |
|---|---|
| *Pos.-Moz.* | *3.824* |
| *Watson* | *3.565* |
| *Seidl* | *4.071* |
| *Widmark* | *3.725* |
| *Forrest* | *3.845* |
| *Ulrich* | *3.916* |

***Standard Drink Information***

| Formula | Standard Drinks |
|---|---|
| *Pos.-Moz.* | *6.373* |
| *Watson* | *5.942* |
| *Seidl* | *6.786* |
| *Widmark* | *6.208* |
| *Forrest* | *6.409* |
| *Ulrich* | *6.527* |

**Peak Alcohol Concentration**

| | |
|---|---|
| Peak BAC (g/dl): | 0.091 |
| Range: | 0.001 |
| Peak Time(24hr): | 2211 |

**Known Case Data Information**

| | |
|---|---|
| Time of First Drink (24hrs): | 1915 |
| Time of Last Drink (24hrs): | 2150 |
| Time of Known BAC (24hrs): | 2345 |
| Known BAC (g/dl): | 0.068 |

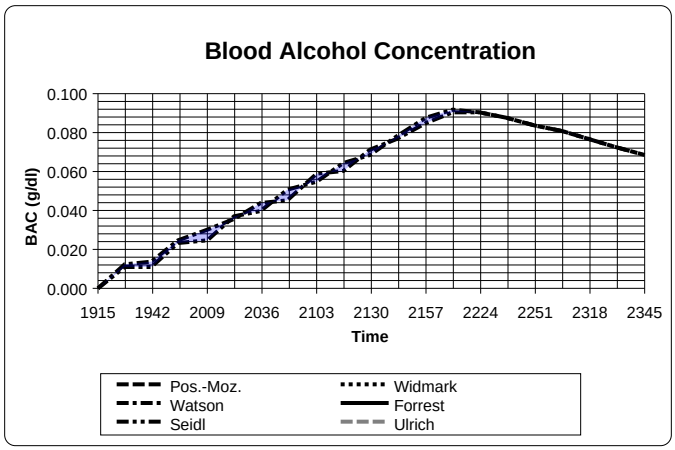
***One drink is equivalent to 0.6 oz of ethanol (100% alc/vol)***

***Extrapolation Information***

*BAC (g/dl) at Time of Interest:* *0.086*

**Male**

| Time (24 hr) | BAC (g/dl) | |
|---|---|---|
| 1915 | 0.000 | *+/- 0.000* |
| 1929 | 0.011 | *+/- 0.001* |
| 1942 | 0.012 | *+/- 0.001* |
| 1956 | 0.024 | *+/- 0.001* |
| 2009 | 0.027 | *+/- 0.002* |
| 2023 | 0.037 | *+/- 0.001* |
| 2036 | 0.041 | *+/- 0.002* |
| 2050 | 0.048 | *+/- 0.003* |
| 2103 | 0.056 | *+/- 0.002* |
| 2117 | 0.062 | *+/- 0.002* |
| 2130 | 0.069 | *+/- 0.002* |
| 2144 | 0.075 | *+/- 0.003* |
| 2157 | 0.086 | *+/- 0.002* |
| 2211 | 0.091 | *+/- 0.001* |
| 2224 | 0.090 | *+/- 0.000* |
| 2238 | 0.087 | *+/- 0.000* |
| 2251 | 0.084 | *+/- 0.000* |
| 2305 | 0.080 | *+/- 0.000* |
| 2318 | 0.076 | *+/- 0.000* |
| 2332 | 0.072 | *+/- 0.000* |
| 2345 | 0.068 | *+/- 0.000* |




***Absorption Rate Constant "k" (Uemura et al 2005)***

| Slow Absorption Rate | Fast Absorption Rate |
|---|---|
| *2.5* | *6.5* |

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| | *BAC at Time of Interest:* |
|---|---|
| ***Pos.-Moz.*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.011 |
| 1942 | 0.012 |
| 1956 | 0.024 |
| 2009 | 0.026 |
| 2023 | 0.037 |
| 2036 | 0.041 |
| 2050 | 0.050 |
| 2103 | 0.055 |
| 2117 | 0.064 |
| 2130 | 0.070 |
| 2144 | 0.077 |
| 2157 | 0.088 |
| 2211 | 0.091 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.084 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

| | *BAC at Time of Interest:* |
|---|---|
| ***Watson*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.012 |
| 1942 | 0.014 |
| 1956 | 0.025 |
| 2009 | 0.029 |
| 2023 | 0.036 |
| 2036 | 0.043 |
| 2050 | 0.046 |
| 2103 | 0.058 |
| 2117 | 0.060 |
| 2130 | 0.071 |
| 2144 | 0.075 |
| 2157 | 0.084 |
| 2211 | 0.090 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.083 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

| | *BAC at Time of Interest:* |
|---|---|
| ***Seidl*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.010 |
| 1942 | 0.011 |
| 1956 | 0.023 |
| 2009 | 0.024 |
| 2023 | 0.036 |
| 2036 | 0.040 |
| 2050 | 0.051 |
| 2103 | 0.053 |
| 2117 | 0.064 |
| 2130 | 0.067 |
| 2144 | 0.078 |
| 2157 | 0.086 |
| 2211 | 0.091 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.084 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

| | *BAC at Time of Interest:* |
|---|---|
| ***Widmark*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.011 |
| 1942 | 0.013 |
| 1956 | 0.024 |
| 2009 | 0.027 |
| 2023 | 0.037 |
| 2036 | 0.042 |
| 2050 | 0.050 |
| 2103 | 0.057 |
| 2117 | 0.061 |
| 2130 | 0.071 |
| 2144 | 0.072 |
| 2157 | 0.087 |
| 2211 | 0.091 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.084 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

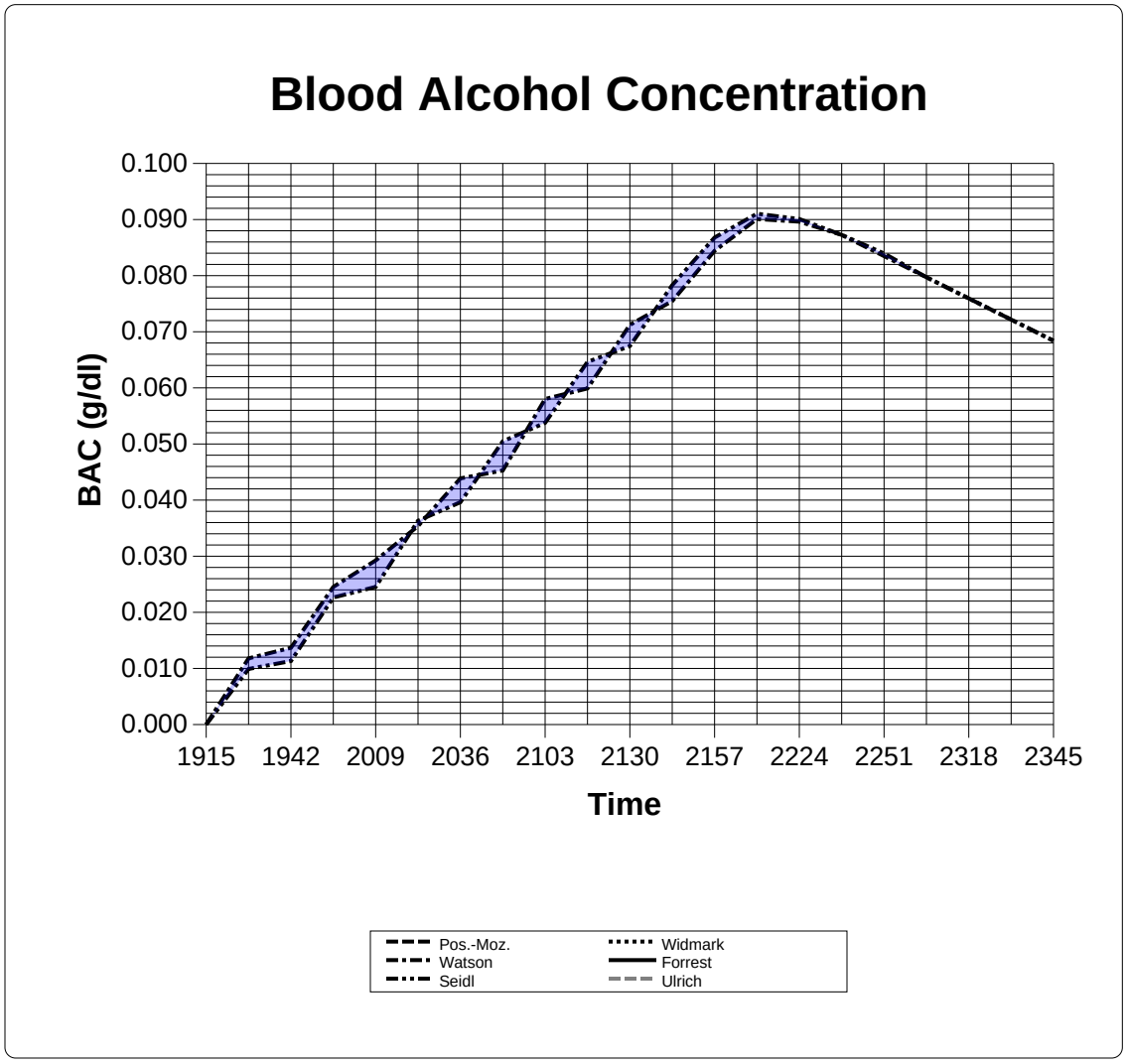
| | *BAC at Time of Interest:* |
|---|---|
| ***Forrest*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.011 |
| 1942 | 0.012 |
| 1956 | 0.023 |
| 2009 | 0.026 |
| 2023 | 0.037 |
| 2036 | 0.041 |
| 2050 | 0.051 |
| 2103 | 0.055 |
| 2117 | 0.064 |
| 2130 | 0.069 |
| 2144 | 0.077 |
| 2157 | 0.088 |
| 2211 | 0.091 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.084 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

| | *BAC at Time of Interest:* |
|---|---|
| ***Ulrich*** | *0.086* |
| **Male** | **Doe, John** |
| **Time (24 hr)** | **BAC (g/dl)** |
| 1915 | 0.000 |
| 1929 | 0.011 |
| 1942 | 0.012 |
| 1956 | 0.023 |
| 2009 | 0.026 |
| 2023 | 0.037 |
| 2036 | 0.040 |
| 2050 | 0.051 |
| 2103 | 0.054 |
| 2117 | 0.065 |
| 2130 | 0.068 |
| 2144 | 0.078 |
| 2157 | 0.088 |
| 2211 | 0.091 |
| 2224 | 0.090 |
| 2238 | 0.087 |
| 2251 | 0.084 |
| 2305 | 0.080 |
| 2318 | 0.076 |
| 2332 | 0.072 |
| 2345 | 0.068 |

*The above results represent estimations of blood alcohol concentration using empirically derived, peer reviewed, published formulae. The accuracy of these estimations is contingent upon the information provided.*

# Retrograde Alcohol Extrapolation Report

| | | | |
|---|---|---|---|
| ***Organization:*** | BAC Tracker International, Inc. | | |
| ***Reference ID#*** | 0000-0000 | ***Chart Generated*** | 1/26/2013 |




*The above results represent estimations of blood alcohol concentration using empirically derived, peer reviewed, published formulae. The accuracy of these estimations is contingent upon the information provided.*

End of Retrograde Alcohol Extrapolation Report