

# Retrograde Alcohol Extrapolation Report

Organization: BAC Tracker International, Inc.  
 Reference ID#: 0000-0000

Report Generated 1/26/2013

### Subject Information

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

### Drink Consumption Information

Time of Interest (24hrs)	BAC (g/dl)	Range (+/-)
2240	0.086	0.010

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

**Volume Distribution**

Widmark:	<b>0.680</b>
Watson:	<b>0.651</b>
Forrest:	<b>0.702</b>
Seidl:	<b>0.743</b>
Ulrich:	<b>0.715</b>
Pos.-Moz.:	<b>0.698</b>

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

Formula	Volume	+/-
Pos.-Moz.	3.824	0.261
Watson	3.565	0.243
Seidl	4.071	0.277
Widmark	3.725	0.254
Forrest	3.845	0.262
Ulrich	3.916	0.267

**Standard Drink Information**

Formula	Standard Drinks	+/-
Pos.-Moz.	6.373	0.434
Watson	5.942	0.405
Seidl	6.786	0.462
Widmark	6.208	0.423
Forrest	6.409	0.437
Ulrich	6.527	0.445

**Peak Alcohol Concentration**

Peak BAC (g/dl):	0.091
Range:	0.010
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
Analytical Method QA/QC Range (+/-):	0.01

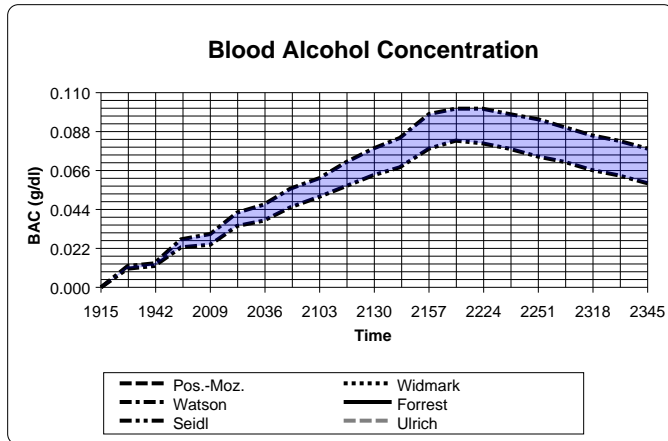
One drink is equivalent to 0.6 oz of ethanol (100% alc/vol)

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	0.014	+/- 0.001
1956	0.023	+/- 0.002
2009	0.029	+/- 0.003
2023	0.037	+/- 0.006
2036	0.044	+/- 0.004
2050	0.050	+/- 0.006
2103	0.057	+/- 0.006
2117	0.061	+/- 0.006
2130	0.068	+/- 0.007
2144	0.076	+/- 0.008
2157	0.086	+/- 0.009
2211	0.091	+/- 0.010
2224	0.090	+/- 0.010
2238	0.087	+/- 0.010
2251	0.084	+/- 0.010
2305	0.080	+/- 0.010
2318	0.076	+/- 0.010
2332	0.072	+/- 0.010
2345	0.068	+/- 0.010

### Extrapolation Information



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

Slow Absorption Rate  
2.5

Fast Absorption Rate  
6.5

## Retrograde Alcohol Extrapolation Report

**Organization:** BAC Tracker International, Inc.  
**Reference ID#** 0000-0000

**Report Generated** 1/26/2013

<u>BAC at Time of Interest:</u> 0.086		<u>BAC at Time of Interest:</u> 0.086		<u>BAC at Time of Interest:</u> 0.086	
<u>Pos.-Moz.</u> <u>Male</u>	<u>Doe, John</u>	<u>Watson</u> <u>Male</u>	<u>Doe, John</u>	<u>Seidl</u> <u>Male</u>	<u>Doe, John</u>
<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>
1915	0.000	1915	0.000	1915	0.000
1929	0.011	1929	0.012	1929	0.010
1942	0.012	1942	0.014	1942	0.012
1956	0.024	1956	0.024	1956	0.023
2009	0.027	2009	0.029	2009	0.027
2023	0.036	2023	0.034	2023	0.036
2036	0.041	2036	0.043	2036	0.042
2050	0.048	2050	0.049	2050	0.049
2103	0.055	2103	0.056	2103	0.057
2117	0.062	2117	0.064	2117	0.062
2130	0.069	2130	0.067	2130	0.071
2144	0.077	2144	0.077	2144	0.075
2157	0.085	2157	0.087	2157	0.087
2211	0.090	2211	0.091	2211	0.091
2224	0.090	2224	0.090	2224	0.090
2238	0.087	2238	0.087	2238	0.087
2251	0.083	2251	0.084	2251	0.084
2305	0.080	2305	0.080	2305	0.080
2318	0.076	2318	0.076	2318	0.076
2332	0.072	2332	0.072	2332	0.072
2345	0.068	2345	0.068	2345	0.068

<u>BAC at Time of Interest:</u> 0.086		<u>BAC at Time of Interest:</u> 0.086		<u>BAC at Time of Interest:</u> 0.086	
<u>Widmark</u> <u>Male</u>	<u>Doe, John</u>	<u>Forrest</u> <u>Male</u>	<u>Doe, John</u>	<u>Ulrich</u> <u>Male</u>	<u>Doe, John</u>
<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>
1915	0.000	1915	0.000	1915	0.000
1929	0.011	1929	0.011	1929	0.011
1942	0.013	1942	0.012	1942	0.012
1956	0.024	1956	0.023	1956	0.023
2009	0.027	2009	0.027	2009	0.027
2023	0.036	2023	0.036	2023	0.036
2036	0.041	2036	0.041	2036	0.042
2050	0.048	2050	0.048	2050	0.049
2103	0.055	2103	0.056	2103	0.056
2117	0.063	2117	0.062	2117	0.061
2130	0.068	2130	0.069	2130	0.071
2144	0.078	2144	0.076	2144	0.075
2157	0.086	2157	0.085	2157	0.085
2211	0.091	2211	0.090	2211	0.090
2224	0.090	2224	0.090	2224	0.090
2238	0.087	2238	0.087	2238	0.087
2251	0.084	2251	0.083	2251	0.083
2305	0.080	2305	0.080	2305	0.080
2318	0.076	2318	0.076	2318	0.076
2332	0.072	2332	0.072	2332	0.072
2345	0.068	2345	0.068	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.*

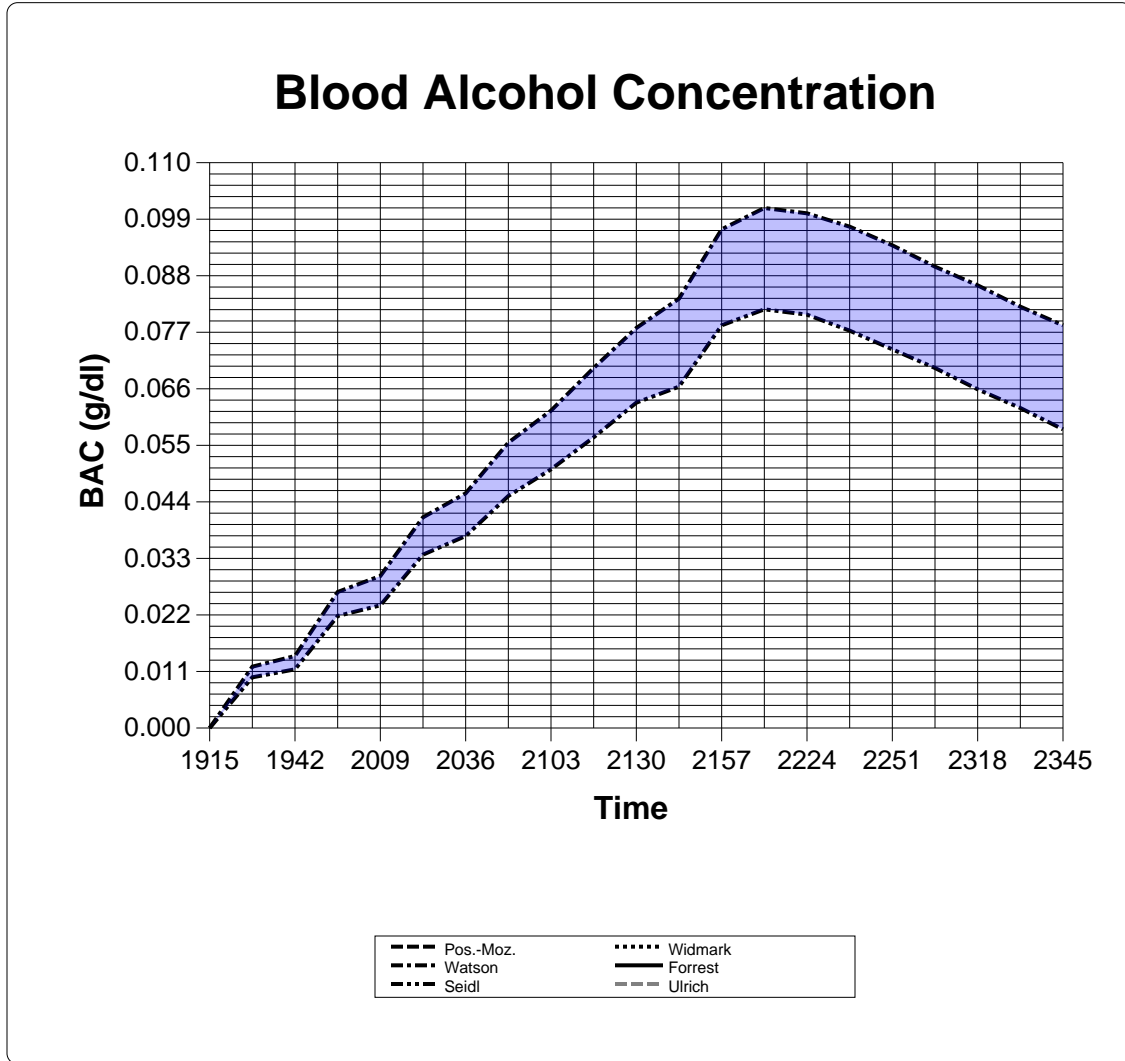
# Retrograde Alcohol Extrapolation Report

Organization:  
Reference ID#

BAC Tracker International, Inc.  
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.