

# Retrograde Alcohol Extrapolation Report

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

**Report Generated** 1/26/2013

### Subject Information

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

### Drink Consumption Information

Time of Interest (24hrs)	BAC (g/dl)	Range (+/-)
2240	0.086	0.008

<u>Elimination Range (g/dl/hr)</u>		<b>Avg.</b>
Low Range	High Range	
0.010	0.025	<b>0.018</b>

#### 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)

<u>Formula</u>	<u>Volume</u>	<u>+/-</u>
Pos.-Moz.	3.824	0.879
Watson	3.565	0.820
Seidl	4.071	0.936
Widmark	3.725	0.857
Forrest	3.845	0.884
Ulrich	3.916	0.901

#### Standard Drink Information

<u>Formula</u>	<u>Standard Drinks</u>	<u>+/-</u>
Pos.-Moz.	6.373	1.466
Watson	5.942	1.367
Seidl	6.786	1.561
Widmark	6.208	1.428
Forrest	6.409	1.474
Ulrich	6.527	1.501

#### Peak Alcohol Concentration

Peak BAC (g/dl):	0.091
Range:	0.011
Peak Time(24hr):	2211

#### Known Case Data Information

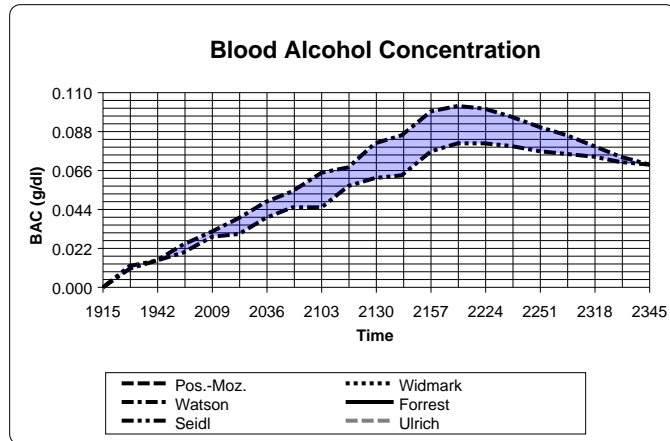
Time of First Drink (24hrs):	1915
Time of Last Drink (24hrs):	2150
Time of Known BAC (24hrs):	2345
Known BAC (g/dl):	0.068

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

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

Male		
<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	<u>+/-</u>
1915	0.000	+/- 0.000
1929	0.011	+/- 0.001
1942	0.012	+/- 0.000
1956	0.024	+/- 0.002
2009	0.027	+/- 0.002
2023	0.037	+/- 0.001
2036	0.041	+/- 0.005
2050	0.048	+/- 0.006
2103	0.056	+/- 0.010
2117	0.062	+/- 0.010
2130	0.069	+/- 0.010
2144	0.075	+/- 0.011
2157	0.086	+/- 0.011
2211	0.091	+/- 0.011
2224	0.090	+/- 0.010
2238	0.087	+/- 0.008
2251	0.084	+/- 0.007
2305	0.080	+/- 0.005
2318	0.076	+/- 0.003
2332	0.072	+/- 0.002
2345	0.068	+/- 0.000

### Extrapolation Information



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

Slow Absorption Rate  
2.5

Fast Absorption Rate  
6.5

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<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>BAC (g/dl)</u>	<u>Watson</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g/dl)</u>	<u>Seidl</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g/dl)</u>
<u>Time (24 hr)</u>		<u>Time (24 hr)</u>		<u>Time (24 hr)</u>	
1915	0.000	1915	0.000	1915	0.000
1929	0.011	1929	0.012	1929	0.010
1942	0.015	1942	0.015	1942	0.015
1956	0.019	1956	0.020	1956	0.020
2009	0.030	2009	0.030	2009	0.030
2023	0.034	2023	0.036	2023	0.035
2036	0.041	2036	0.041	2036	0.042
2050	0.050	2050	0.049	2050	0.051
2103	0.055	2103	0.058	2103	0.054
2117	0.063	2117	0.060	2117	0.064
2130	0.069	2130	0.069	2130	0.070
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>BAC (g/dl)</u>	<u>Forrest</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g/dl)</u>	<u>Ulrich</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g/dl)</u>
<u>Time (24 hr)</u>		<u>Time (24 hr)</u>		<u>Time (24 hr)</u>	
1915	0.000	1915	0.000	1915	0.000
1929	0.011	1929	0.011	1929	0.011
1942	0.016	1942	0.015	1942	0.015
1956	0.019	1956	0.020	1956	0.020
2009	0.030	2009	0.030	2009	0.030
2023	0.035	2023	0.034	2023	0.034
2036	0.040	2036	0.041	2036	0.042
2050	0.050	2050	0.051	2050	0.051
2103	0.057	2103	0.055	2103	0.054
2117	0.060	2117	0.063	2117	0.064
2130	0.070	2130	0.069	2130	0.070
2144	0.077	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	0.084
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

*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.*

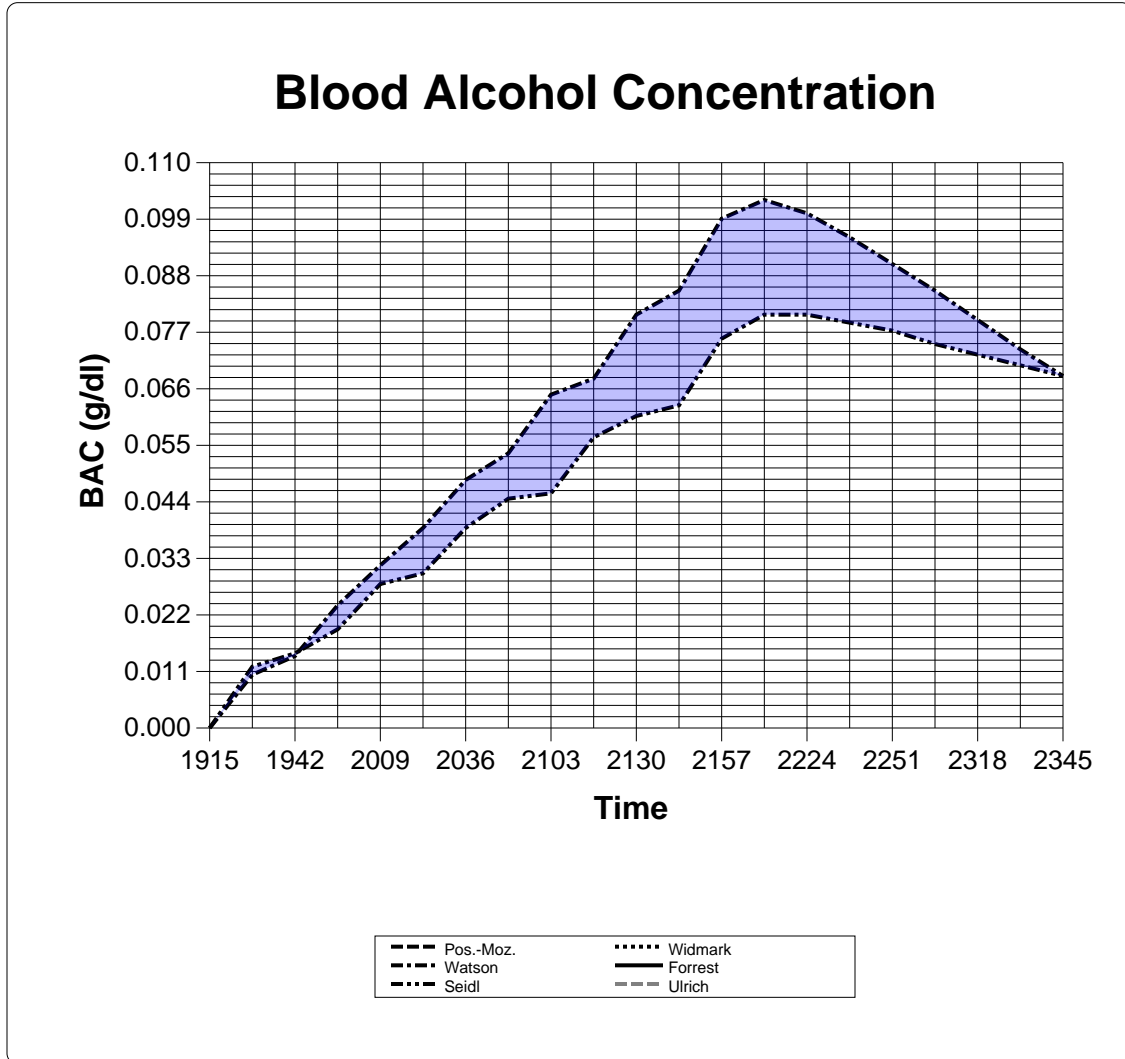
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Chart Generated

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