

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	0.085	0.002

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	0.000
Watson	3.565	0.000
Seidl	4.071	0.000
Widmark	3.725	0.000
Forrest	3.845	0.000
Ulrich	3.916	0.000

Standard Drink Information

Formula	Standard Drinks	+/-
Pos.-Moz.	6.373	0.000
Watson	5.942	0.000
Seidl	6.786	0.000
Widmark	6.208	0.000
Forrest	6.409	0.000
Ulrich	6.527	0.000

Peak Alcohol Concentration

Peak BAC (g/dl):	0.088
Range:	0.006
Peak Time(24hr):	2211

Known Case Data Information

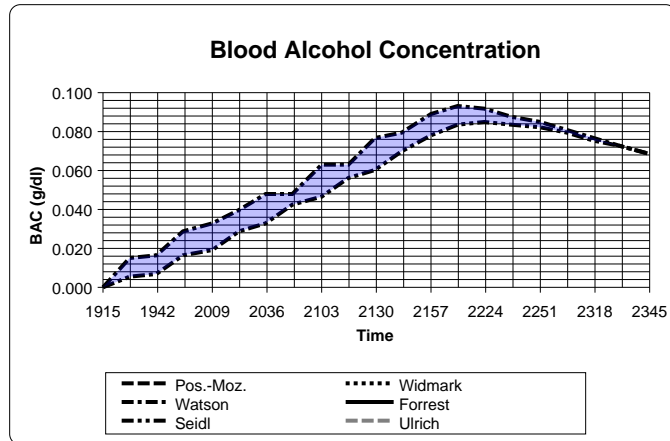
Time of First Drink (24hrs):	1915
Time of Last Drink (24hrs):	2150
Time of Known BAC (24hrs):	2345
Known BAC (g/dl):	0.068

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

BAC (g/dl) at Time of Interest: 0.085

Time (24 hr)	BAC (g/dl)	+/-
1915	0.000	+/- 0.000
1929	0.010	+/- 0.005
1942	0.011	+/- 0.004
1956	0.022	+/- 0.007
2009	0.025	+/- 0.007
2023	0.035	+/- 0.007
2036	0.039	+/- 0.007
2050	0.047	+/- 0.008
2103	0.054	+/- 0.008
2117	0.061	+/- 0.008
2130	0.068	+/- 0.008
2144	0.074	+/- 0.009
2157	0.083	+/- 0.009
2211	0.088	+/- 0.006
2224	0.087	+/- 0.004
2238	0.085	+/- 0.002
2251	0.082	+/- 0.001
2305	0.079	+/- 0.001
2318	0.075	+/- 0.000
2332	0.072	+/- 0.000
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> 0.085		<u>BAC at Time of Interest:</u> 0.085		<u>BAC at Time of Interest:</u> 0.085	
<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	0.010	1929	0.011	1929	0.009
1942	0.011	1942	0.012	1942	0.010
1956	0.022	1956	0.023	1956	0.021
2009	0.024	2009	0.027	2009	0.022
2023	0.035	2023	0.033	2023	0.034
2036	0.038	2036	0.041	2036	0.037
2050	0.048	2050	0.043	2050	0.048
2103	0.053	2103	0.055	2103	0.051
2117	0.061	2117	0.057	2117	0.062
2130	0.067	2130	0.069	2130	0.065
2144	0.074	2144	0.073	2144	0.075
2157	0.085	2157	0.081	2157	0.084
2211	0.088	2211	0.087	2211	0.088
2224	0.088	2224	0.087	2224	0.088
2238	0.086	2238	0.085	2238	0.085
2251	0.083	2251	0.082	2251	0.083
2305	0.079	2305	0.079	2305	0.079
2318	0.076	2318	0.075	2318	0.075
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> 0.085		<u>BAC at Time of Interest:</u> 0.085		<u>BAC at Time of Interest:</u> 0.085	
<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	0.010	1929	0.010	1929	0.010
1942	0.011	1942	0.011	1942	0.010
1956	0.022	1956	0.022	1956	0.022
2009	0.025	2009	0.024	2009	0.024
2023	0.034	2023	0.035	2023	0.035
2036	0.039	2036	0.038	2036	0.037
2050	0.047	2050	0.048	2050	0.048
2103	0.054	2103	0.052	2103	0.052
2117	0.059	2117	0.061	2117	0.062
2130	0.068	2130	0.067	2130	0.066
2144	0.070	2144	0.075	2144	0.076
2157	0.084	2157	0.085	2157	0.085
2211	0.088	2211	0.088	2211	0.088
2224	0.088	2224	0.088	2224	0.088
2238	0.085	2238	0.086	2238	0.086
2251	0.083	2251	0.083	2251	0.083
2305	0.079	2305	0.079	2305	0.079
2318	0.075	2318	0.075	2318	0.075
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.

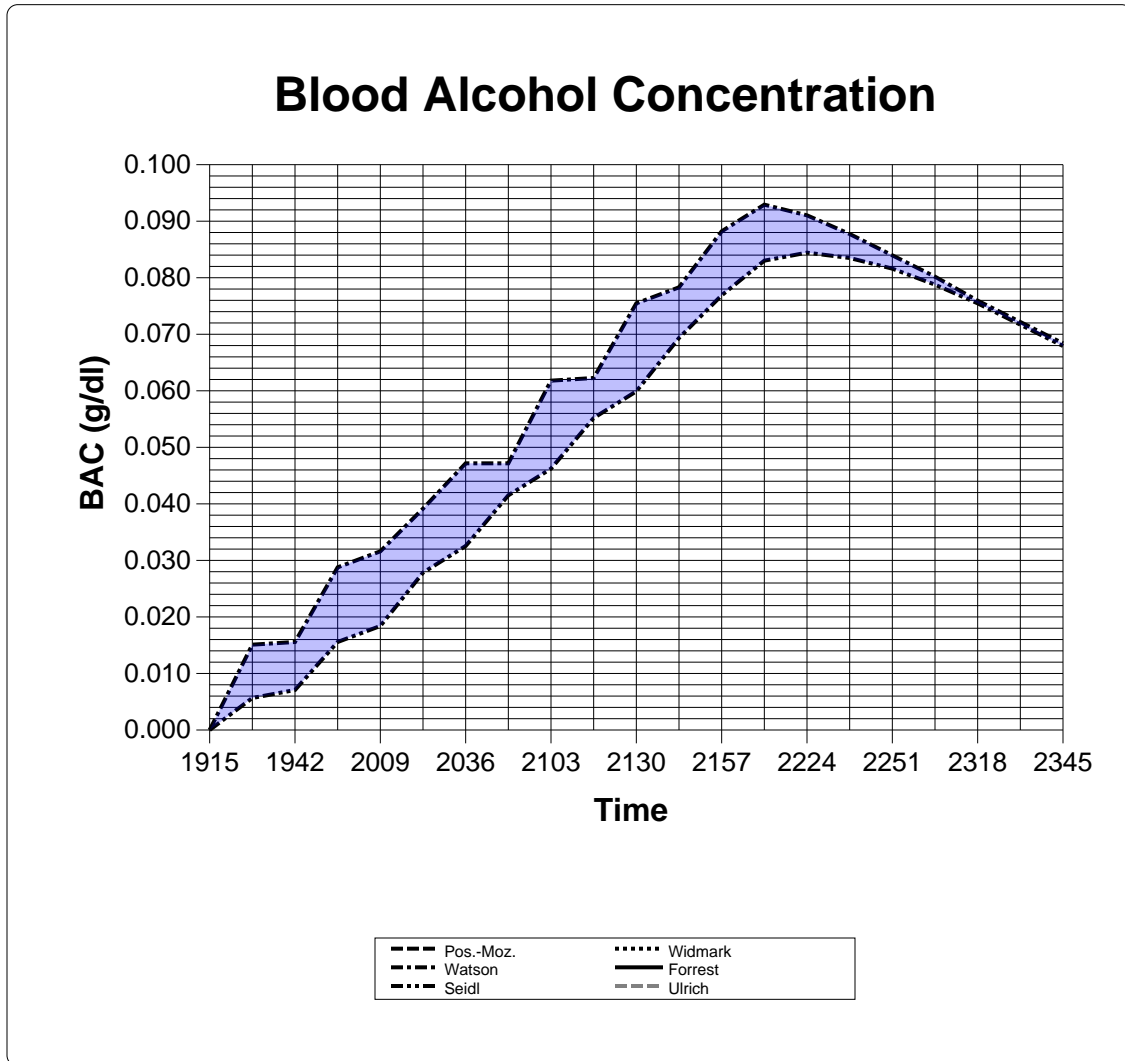
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Chart Generated

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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.