

Anterograde Alcohol Extrapolation Report

Organization: BAC Tracker International, Inc.
Reference ID# 2011-BAC-0001

Report Generated 9/21/2011

Subject Information

Name: Doe, John	Weight (lb): 183
Age: 29	Height (in): 72
Gender: Male	

Drink Consumption Information

Time of Interest (24hrs)	BAC (g/dl)	Range (+/-)
2315	0.075	0.009

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

Individual Alcohol Drink Consumption

Volume (oz)	% (Alc/Vol)	Time (24hrs)
12	5	1930
12	5	1950
12	5	2110
1.5	40	2120
12	5	2200
1.5	40	2210

Volume Distribution	Loading Factor
Widmark: 0.680	0.149
Watson: 0.674	0.150
Forrest: 0.717	0.141
Seidl: 0.763	0.133
Ulrich: 0.734	0.138
Pos.-Moz.: 0.713	0.142

Peak Alcohol Concentration

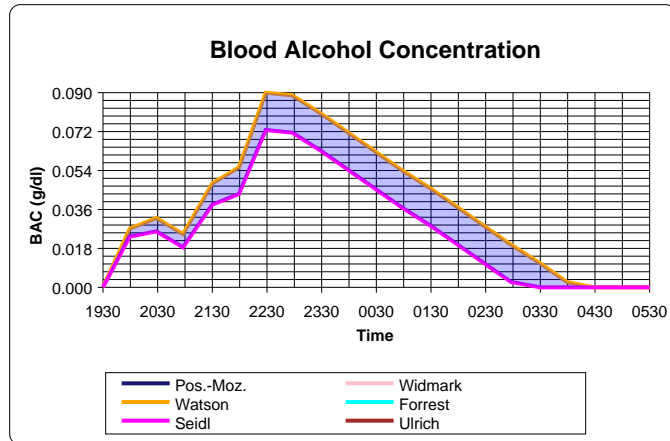
Peak BAC (g/dl): 0.081
 Range: 0.008
 Peak Time(24hr): 2230
 Loading Factor 0.141

BAC (g/dl) at Time of Interest: 0.075

Male

Time (24 hr)	BAC (g/dl)	
1930	0.000	+/- 0.000
2000	0.025	+/- 0.002
2030	0.028	+/- 0.003
2100	0.021	+/- 0.003
2130	0.043	+/- 0.005
2200	0.049	+/- 0.006
2230	0.081	+/- 0.008
2300	0.079	+/- 0.009
2330	0.071	+/- 0.009
0000	0.063	+/- 0.009
0030	0.054	+/- 0.009
0100	0.045	+/- 0.009
0130	0.036	+/- 0.009
0200	0.028	+/- 0.009
0230	0.019	+/- 0.009
0300	0.010	+/- 0.009
0330	0.005	+/- 0.005
0400	0.001	+/- 0.001
0430	0.000	+/- 0.000
0500	0.000	+/- 0.000
0530	0.000	+/- 0.000

Extrapolation Information



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

Drink #	K	Drink #	K
1	4.50	6	4.50
2	4.50		
3	4.50		
4	4.50		
5	4.50		

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<u>BAC at Time of Interest:</u> 0.076		<u>BAC at Time of Interest:</u> 0.084		<u>BAC at Time of Interest:</u> 0.067	
<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>	
1930	0.000	1930	0.000	1930	0.000
2000	0.025	2000	0.027	2000	0.023
2030	0.028	2030	0.031	2030	0.025
2100	0.021	2100	0.024	2100	0.018
2130	0.043	2130	0.048	2130	0.038
2200	0.049	2200	0.054	2200	0.043
2230	0.081	2230	0.089	2230	0.073
2300	0.080	2300	0.088	2300	0.071
2330	0.072	2330	0.080	2330	0.063
0000	0.063	0000	0.071	0000	0.054
0030	0.054	0030	0.063	0030	0.045
0100	0.046	0100	0.054	0100	0.036
0130	0.037	0130	0.045	0130	0.028
0200	0.028	0200	0.036	0200	0.019
0230	0.019	0230	0.028	0230	0.010
0300	0.011	0300	0.019	0300	0.001
0330	0.002	0330	0.010	0330	0.000
0400	0.000	0400	0.001	0400	0.000
0430	0.000	0430	0.000	0430	0.000
0500	0.000	0500	0.000	0500	0.000
0530	0.000	0530	0.000	0530	0.000

<u>BAC at Time of Interest:</u> 0.083		<u>BAC at Time of Interest:</u> 0.075		<u>BAC at Time of Interest:</u> 0.072	
<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>	
1930	0.000	1930	0.000	1930	0.000
2000	0.027	2000	0.025	2000	0.024
2030	0.031	2030	0.028	2030	0.027
2100	0.023	2100	0.021	2100	0.020
2130	0.047	2130	0.043	2130	0.041
2200	0.054	2200	0.049	2200	0.046
2230	0.088	2230	0.081	2230	0.078
2300	0.087	2300	0.079	2300	0.076
2330	0.079	2330	0.071	2330	0.068
0000	0.070	0000	0.062	0000	0.059
0030	0.061	0030	0.054	0030	0.050
0100	0.053	0100	0.045	0100	0.042
0130	0.044	0130	0.036	0130	0.033
0200	0.035	0200	0.027	0200	0.024
0230	0.026	0230	0.019	0230	0.015
0300	0.018	0300	0.010	0300	0.007
0330	0.009	0330	0.001	0330	0.000
0400	0.000	0400	0.000	0400	0.000
0430	0.000	0430	0.000	0430	0.000
0500	0.000	0500	0.000	0500	0.000
0530	0.000	0530	0.000	0530	0.000

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.

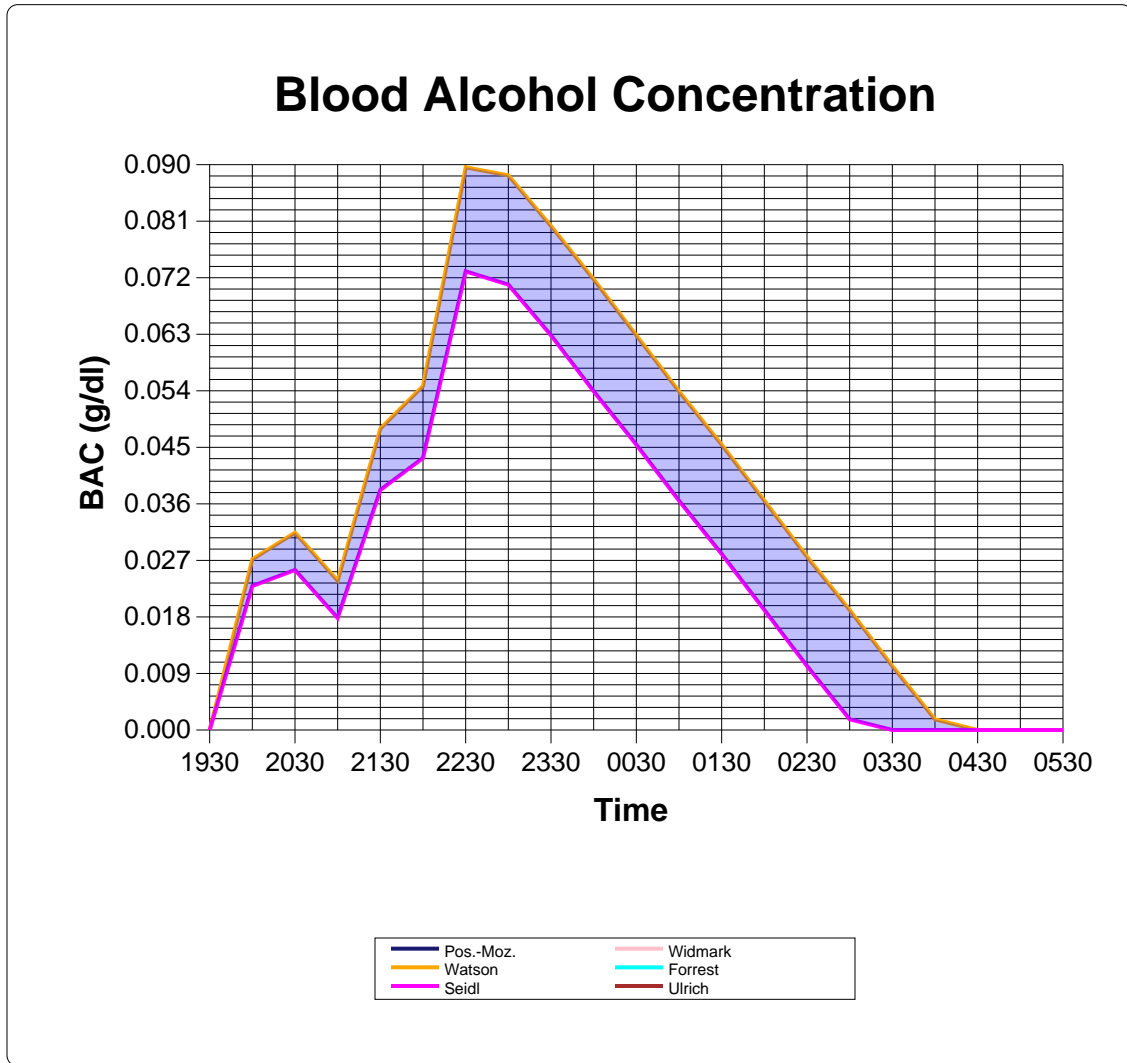
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Chart Generated

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