

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	0.065	0.019

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

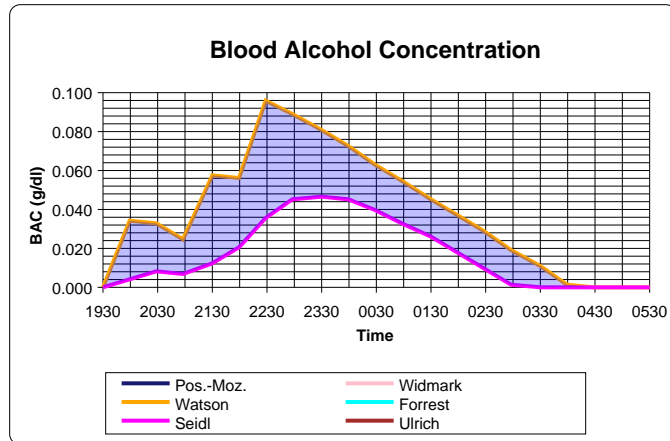
Volume Distribution	Loading Factor
Widmark: 0.680	0.149
Watson: 0.674	0.150
Forrest: 0.717	0.141
Seidl: 0.763	0.133
Ulrich: 0.734	0.138
Pos.-Moz.: 0.713	0.142

Peak Alcohol Concentration
 Peak BAC (g/dl): 0.067
 Range: 0.022
 Peak Time(24hr): 2300
 Loading Factor 0.141

BAC (g/dl) at Time of Interest: 0.065

Male		
Time (24 hr)	BAC (g/dl)	+/-
1930	0.000	+/- 0.000
2000	0.019	+/- 0.015
2030	0.020	+/- 0.013
2100	0.015	+/- 0.009
2130	0.034	+/- 0.023
2200	0.038	+/- 0.018
2230	0.065	+/- 0.030
2300	0.067	+/- 0.022
2330	0.063	+/- 0.017
0000	0.058	+/- 0.014
0030	0.051	+/- 0.012
0100	0.043	+/- 0.011
0130	0.035	+/- 0.010
0200	0.027	+/- 0.009
0230	0.018	+/- 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	1.0 - 8.0	6	1.0 - 8.0
2	1.0 - 8.0		
3	1.0 - 8.0		
4	1.0 - 8.0		
5	1.0 - 8.0		

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<u>BAC at Time of Interest:</u> 0.065		<u>BAC at Time of Interest:</u> 0.073		<u>BAC at Time of Interest:</u> 0.056	
<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	0.018	2000	0.020	2000	0.016
2030	0.019	2030	0.021	2030	0.017
2100	0.015	2100	0.017	2100	0.012
2130	0.033	2130	0.037	2130	0.029
2200	0.037	2200	0.042	2200	0.032
2230	0.064	2230	0.071	2230	0.057
2300	0.066	2300	0.074	2300	0.058
2330	0.063	2330	0.071	2330	0.054
0000	0.058	0000	0.066	0000	0.049
0030	0.051	0030	0.059	0030	0.042
0100	0.044	0100	0.052	0100	0.035
0130	0.036	0130	0.044	0130	0.027
0200	0.027	0200	0.036	0200	0.018
0230	0.019	0230	0.027	0230	0.010
0300	0.010	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> 0.071		<u>BAC at Time of Interest:</u> 0.064		<u>BAC at Time of Interest:</u> 0.061	
<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	0.019	2000	0.018	2000	0.017
2030	0.021	2030	0.019	2030	0.018
2100	0.017	2100	0.015	2100	0.014
2130	0.037	2130	0.033	2130	0.031
2200	0.041	2200	0.037	2200	0.035
2230	0.070	2230	0.064	2230	0.061
2300	0.072	2300	0.066	2300	0.063
2330	0.070	2330	0.062	2330	0.059
0000	0.064	0000	0.057	0000	0.054
0030	0.058	0030	0.050	0030	0.047
0100	0.051	0100	0.043	0100	0.040
0130	0.043	0130	0.035	0130	0.032
0200	0.034	0200	0.027	0200	0.023
0230	0.026	0230	0.018	0230	0.015
0300	0.017	0300	0.010	0300	0.006
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.

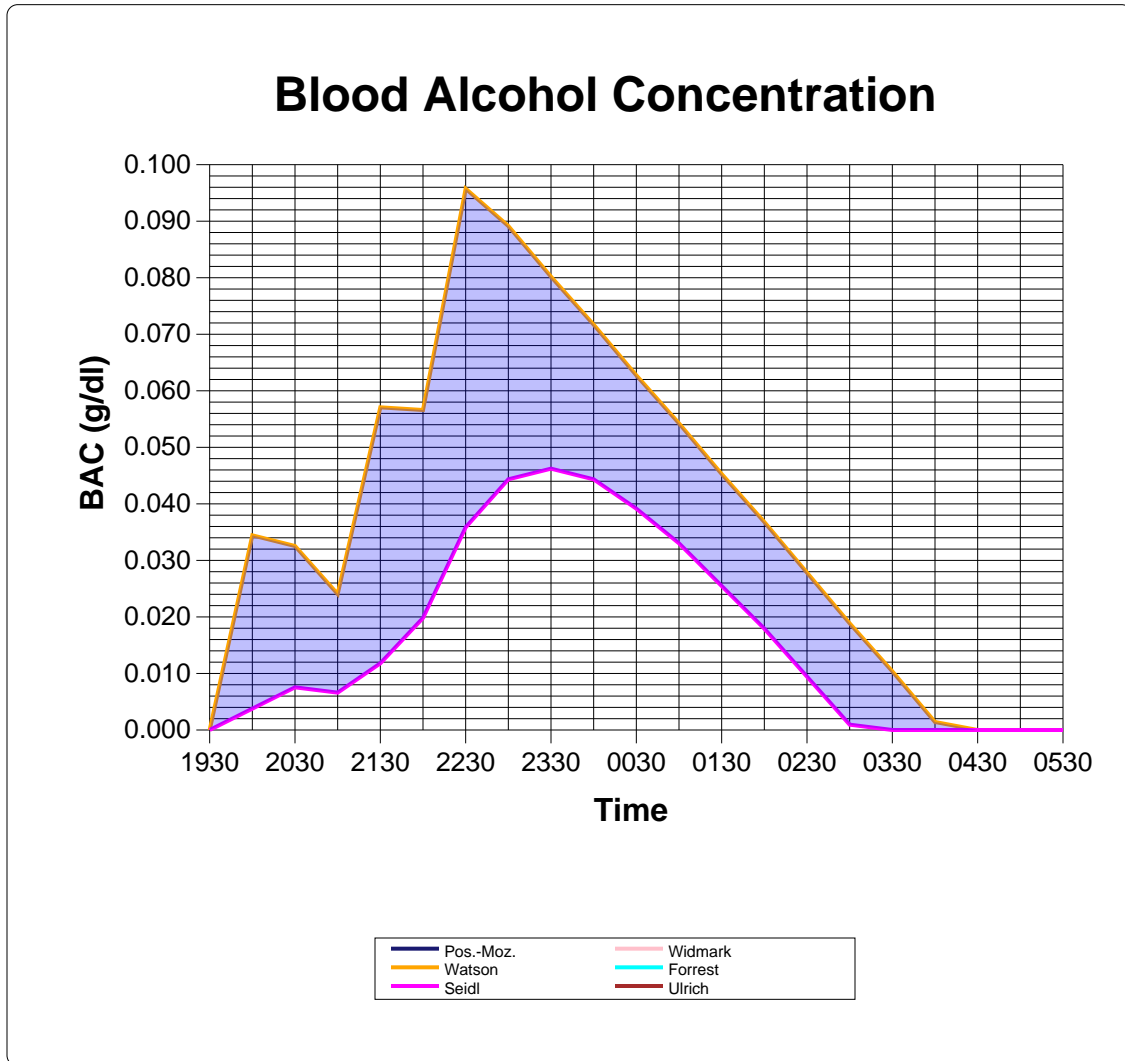
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Chart Generated

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