

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	0.047

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

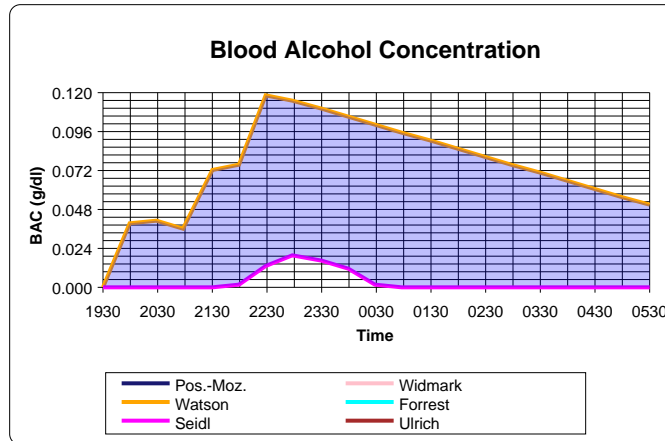
<u>Volume Distribution</u>	<u>Loading Factor</u>
Widmark:	0.680
Watson:	0.674
Forrest:	0.717
Seidl:	0.763
Ulrich:	0.734
Pos.-Moz.:	0.713

<u>Peak Alcohol Concentration</u>	
Peak BAC (g/dl):	0.067
Range:	0.048
Peak Time(24hr):	2300
Loading Factor	0.141

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

Extrapolation Information

Male		
<u>Time (24 hr)</u>	<u>BAC (g/dl)</u>	
1930	0.000	+/- 0.000
2000	0.019	+/- 0.019
2030	0.020	+/- 0.020
2100	0.018	+/- 0.018
2130	0.036	+/- 0.036
2200	0.038	+/- 0.037
2230	0.065	+/- 0.052
2300	0.067	+/- 0.048
2330	0.063	+/- 0.047
0000	0.058	+/- 0.047
0030	0.051	+/- 0.049
0100	0.048	+/- 0.048
0130	0.045	+/- 0.045
0200	0.043	+/- 0.043
0230	0.040	+/- 0.040
0300	0.038	+/- 0.038
0330	0.035	+/- 0.035
0400	0.033	+/- 0.033
0430	0.030	+/- 0.030
0500	0.028	+/- 0.028
0530	0.025	+/- 0.025



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

<u>Drink #</u>	<u>K</u>	<u>Drink #</u>	<u>K</u>
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	0.016	2100	0.018	2100	0.015
2130	0.033	2130	0.037	2130	0.031
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	0.039
0130	0.041	0130	0.045	0130	0.036
0200	0.038	0200	0.043	0200	0.034
0230	0.036	0230	0.040	0230	0.031
0300	0.033	0300	0.038	0300	0.029
0330	0.031	0330	0.035	0330	0.026
0400	0.028	0400	0.033	0400	0.024
0430	0.026	0430	0.030	0430	0.021
0500	0.023	0500	0.028	0500	0.019
0530	0.021	0530	0.025	0530	0.016

<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	0.016	2100	0.015
2130	0.037	2130	0.033	2130	0.032
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	0.041
0130	0.044	0130	0.041	0130	0.039
0200	0.042	0200	0.038	0200	0.036
0230	0.039	0230	0.036	0230	0.034
0300	0.037	0300	0.033	0300	0.031
0330	0.034	0330	0.031	0330	0.029
0400	0.032	0400	0.028	0400	0.026
0430	0.029	0430	0.026	0430	0.024
0500	0.027	0500	0.023	0500	0.021
0530	0.024	0530	0.021	0530	0.019

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.

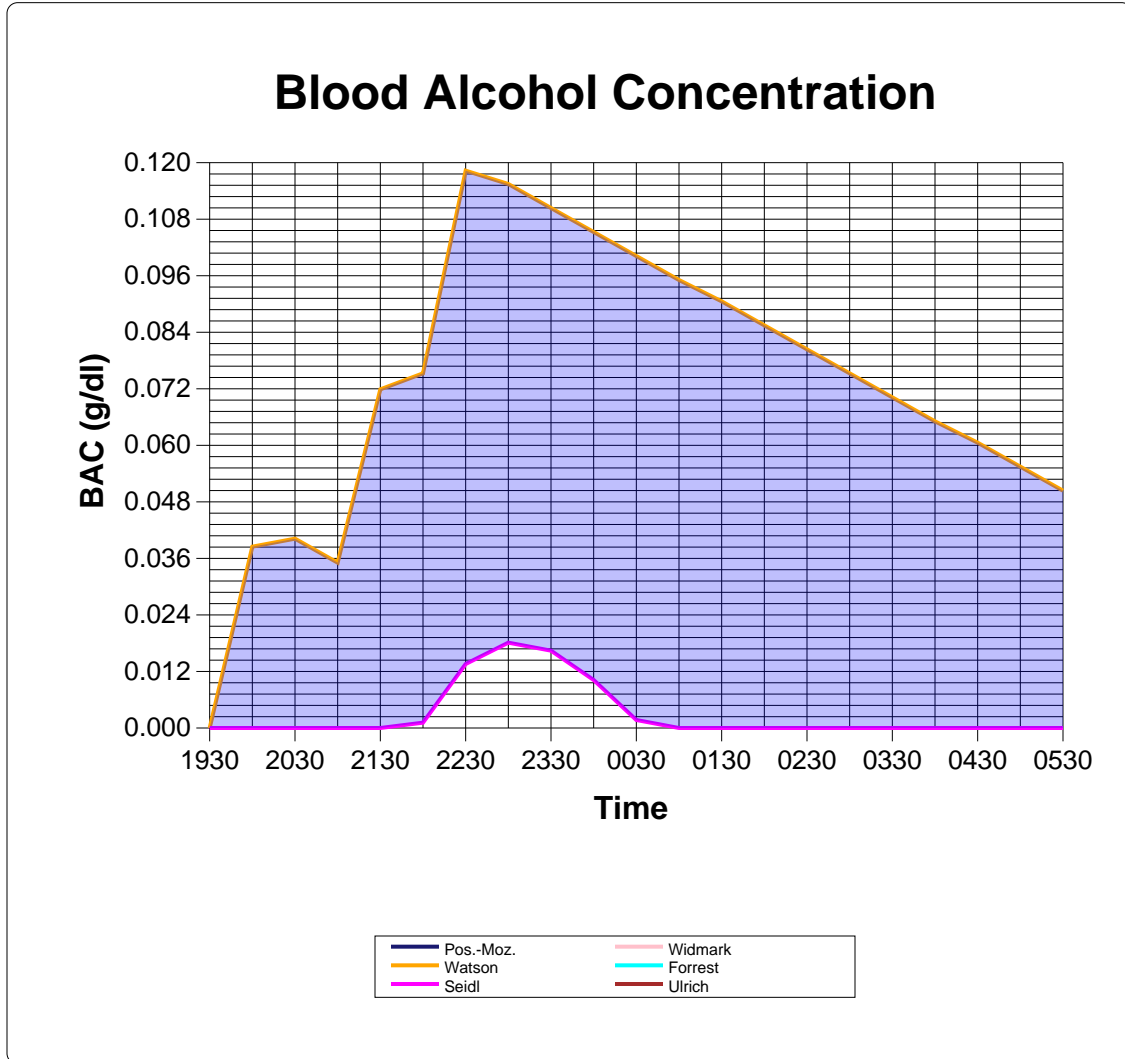
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Chart Generated

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