Anterograde Alcohol Extrapolation Report

Organization: BAC Tracker International, Inc.
Reference ID# 2011-BAC-0001
Report Generated 9/21/2011

Subject Information

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

Drink Consumption Information

Time of Interest (24hrs)	BAC (g/dl)	Range (+/-)
2315	*0.075*	*0.037*

Elimination Range (g/dl/hr)

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

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

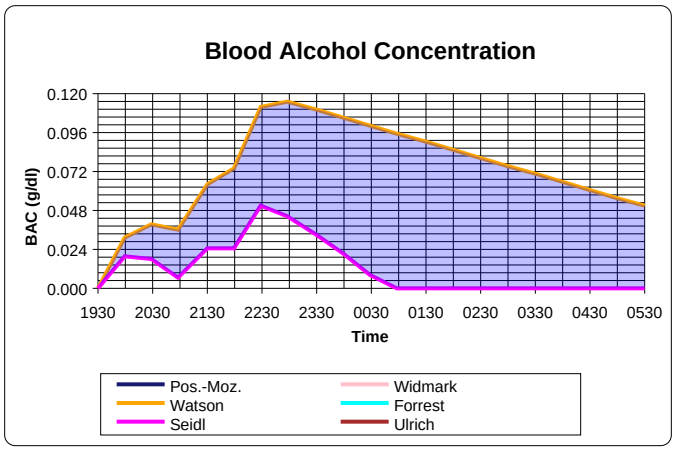
Peak BAC (g/dl):	0.081
Range:	0.031
Peak Time(24hr):	2230
Loading Factor	0.141

Extrapolation Information

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

Male

Time (24 hr)	*BAC (g/dl)*	
1930	0.000	*+/- 0.000*
2000	0.025	*+/- 0.006*
2030	0.028	*+/- 0.010*
2100	0.021	*+/- 0.014*
2130	0.043	*+/- 0.020*
2200	0.049	*+/- 0.024*
2230	0.081	*+/- 0.031*
2300	0.079	*+/- 0.035*
2330	0.071	*+/- 0.039*
0000	0.063	*+/- 0.042*
0030	0.054	*+/- 0.046*
0100	0.045	*+/- 0.048*
0130	0.036	*+/- 0.045*
0200	0.034	*+/- 0.043*
0230	0.031	*+/- 0.040*
0300	0.029	*+/- 0.038*
0330	0.026	*+/- 0.035*
0400	0.024	*+/- 0.033*
0430	0.021	*+/- 0.030*
0500	0.019	*+/- 0.028*
0530	0.016	*+/- 0.025*



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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Pos.-Moz.	*BAC at Time of Interest:* *0.076*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.025
2030	0.028
2100	0.021
2130	0.043
2200	0.049
2230	0.081
2300	0.080
2330	0.072
0000	0.063
0030	0.054
0100	0.046
0130	0.041
0200	0.038
0230	0.036
0300	0.033
0330	0.031
0400	0.028
0430	0.026
0500	0.023
0530	0.021

Watson	*BAC at Time of Interest:* *0.084*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.027
2030	0.031
2100	0.024
2130	0.048
2200	0.054
2230	0.089
2300	0.088
2330	0.080
0000	0.071
0030	0.063
0100	0.054
0130	0.045
0200	0.043
0230	0.040
0300	0.038
0330	0.035
0400	0.033
0430	0.030
0500	0.028
0530	0.025

Seidl	*BAC at Time of Interest:* *0.067*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.023
2030	0.025
2100	0.018
2130	0.038
2200	0.043
2230	0.073
2300	0.071
2330	0.063
0000	0.054
0030	0.045
0100	0.039
0130	0.036
0200	0.034
0230	0.031
0300	0.029
0330	0.026
0400	0.024
0430	0.021
0500	0.019
0530	0.016

Widmark	*BAC at Time of Interest:* *0.083*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.027
2030	0.031
2100	0.023
2130	0.047
2200	0.054
2230	0.088
2300	0.087
2330	0.079
0000	0.070
0030	0.061
0100	0.053
0130	0.044
0200	0.042
0230	0.039
0300	0.037
0330	0.034
0400	0.032
0430	0.029
0500	0.027
0530	0.024

Forrest	*BAC at Time of Interest:* *0.075*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.025
2030	0.028
2100	0.021
2130	0.043
2200	0.049
2230	0.081
2300	0.079
2330	0.071
0000	0.062
0030	0.054
0100	0.045
0130	0.041
0200	0.038
0230	0.036
0300	0.033
0330	0.031
0400	0.028
0430	0.026
0500	0.023
0530	0.021

Ulrich	*BAC at Time of Interest:* *0.072*
Male	**Doe, John**
Time (24 hr)	**BAC (g/dl)**
1930	0.000
2000	0.024
2030	0.027
2100	0.020
2130	0.041
2200	0.046
2230	0.078
2300	0.076
2330	0.068
0000	0.059
0030	0.050
0100	0.042
0130	0.039
0200	0.036
0230	0.034
0300	0.031
0330	0.029
0400	0.026
0430	0.024
0500	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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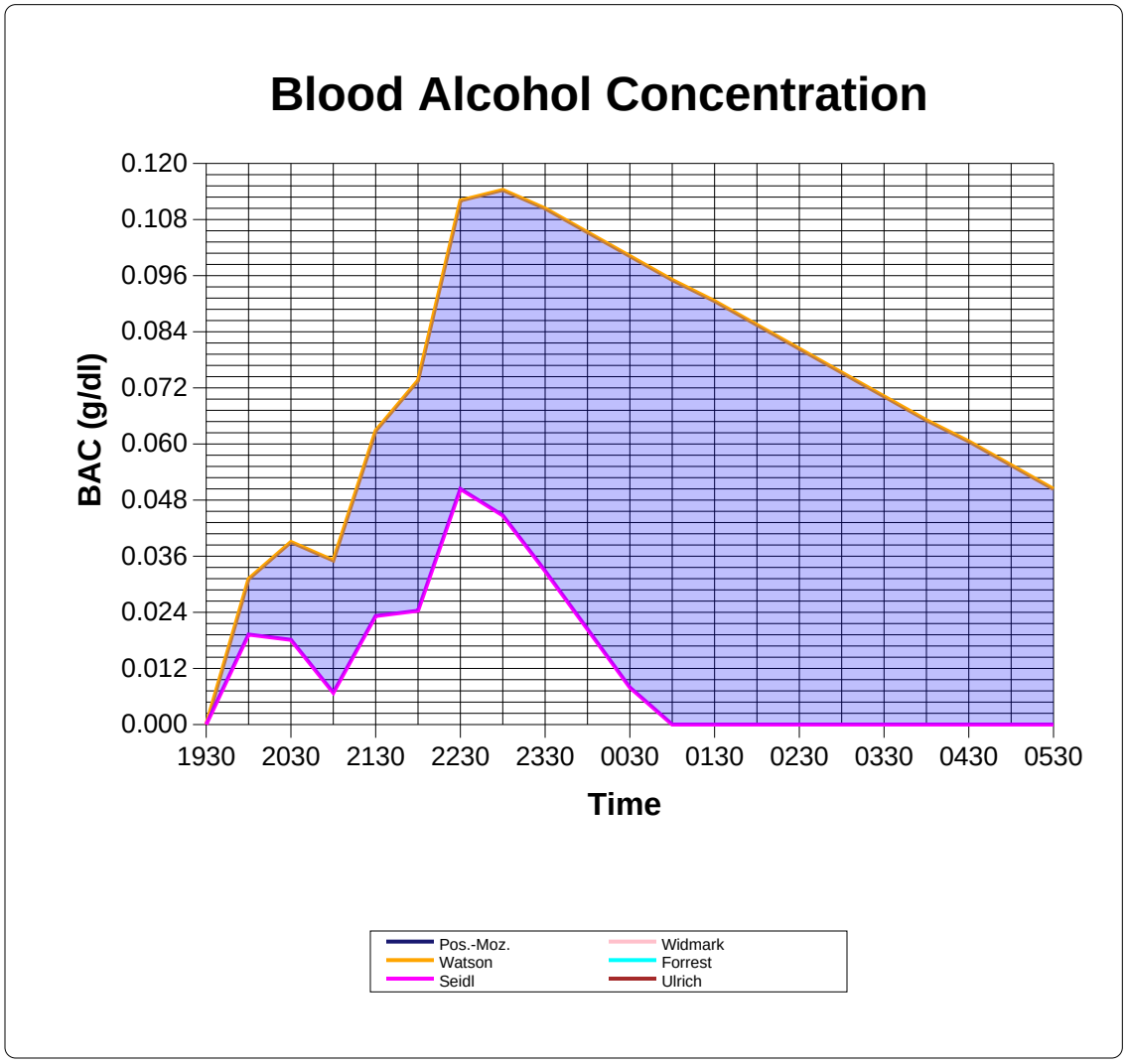

The above results represent estimations of blood alcohol concentration using empirically derived, peer reviewed, published formulae. The accuracy of these estimations is contingent upon the information provided.

End of Anterograde Alcohol Extrapolation Report