

Anterograde 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 (+/-)
2218	0.088	0.030

Elimination Range (g/dl/hr)
 Low Range: 0.010 High Range: 0.025 Avg. **0.018**

Individual Alcohol Drink Consumption

Volume (oz)	% (Alc/Vol)	Time (24hrs)
12	5	1930
12	5	2010
12	5	2035
1.5	40	2040
12	5	2130
1.5	40	2140

Volume Distribution

Widmark: **0.680**
 Watson: **0.651**
 Forrest: **0.702**
 Seidl: **0.743**
 Ulrich: **0.715**
 Pos.-Moz.: **0.698**

Peak Alcohol Concentration

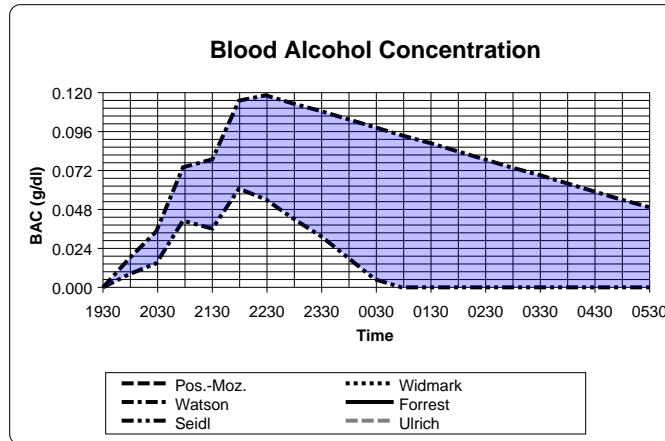
Peak BAC (g/dl): 0.088
 Range: 0.027
 Peak Time(24hr): 2200

BAC (g/dl) at Time of Interest: 0.088

Male

Time (24 hr)	BAC (g/dl)	
1930	0.000	+/- 0.000
2000	0.012	+/- 0.005
2030	0.023	+/- 0.010
2100	0.057	+/- 0.017
2130	0.057	+/- 0.021
2200	0.088	+/- 0.027
2230	0.086	+/- 0.032
2300	0.078	+/- 0.035
2330	0.069	+/- 0.039
0000	0.060	+/- 0.043
0030	0.051	+/- 0.047
0100	0.047	+/- 0.047
0130	0.044	+/- 0.044
0200	0.042	+/- 0.042
0230	0.039	+/- 0.039
0300	0.037	+/- 0.037
0330	0.034	+/- 0.034
0400	0.032	+/- 0.032
0430	0.029	+/- 0.029
0500	0.027	+/- 0.027
0530	0.024	+/- 0.024

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> 0.087		<u>BAC at Time of Interest:</u> 0.097		<u>BAC at Time of Interest:</u> 0.079	
<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	0.012	2000	0.013	2000	0.011
2030	0.023	2030	0.026	2030	0.021
2100	0.057	2100	0.063	2100	0.052
2130	0.056	2130	0.063	2130	0.051
2200	0.087	2200	0.096	2200	0.079
2230	0.085	2230	0.095	2230	0.077
2300	0.077	2300	0.087	2300	0.068
2330	0.068	2330	0.078	2330	0.060
0000	0.059	0000	0.069	0000	0.051
0030	0.051	0030	0.061	0030	0.042
0100	0.042	0100	0.052	0100	0.037
0130	0.039	0130	0.044	0130	0.035
0200	0.037	0200	0.042	0200	0.032
0230	0.034	0230	0.039	0230	0.030
0300	0.032	0300	0.037	0300	0.027
0330	0.029	0330	0.034	0330	0.025
0400	0.027	0400	0.032	0400	0.022
0430	0.024	0430	0.029	0430	0.020
0500	0.022	0500	0.027	0500	0.017
0530	0.019	0530	0.024	0530	0.015

<u>BAC at Time of Interest:</u> 0.091		<u>BAC at Time of Interest:</u> 0.086		<u>BAC at Time of Interest:</u> 0.084	
<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	0.012	2000	0.012	2000	0.011
2030	0.024	2030	0.023	2030	0.022
2100	0.059	2100	0.056	2100	0.055
2130	0.059	2130	0.056	2130	0.054
2200	0.090	2200	0.086	2200	0.084
2230	0.089	2230	0.084	2230	0.082
2300	0.081	2300	0.076	2300	0.074
2330	0.072	2330	0.067	2330	0.065
0000	0.063	0000	0.059	0000	0.056
0030	0.054	0030	0.050	0030	0.047
0100	0.046	0100	0.041	0100	0.040
0130	0.041	0130	0.039	0130	0.037
0200	0.038	0200	0.036	0200	0.035
0230	0.036	0230	0.034	0230	0.032
0300	0.033	0300	0.031	0300	0.030
0330	0.031	0330	0.029	0330	0.027
0400	0.028	0400	0.026	0400	0.025
0430	0.026	0430	0.024	0430	0.022
0500	0.023	0500	0.021	0500	0.020
0530	0.021	0530	0.019	0530	0.017

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.

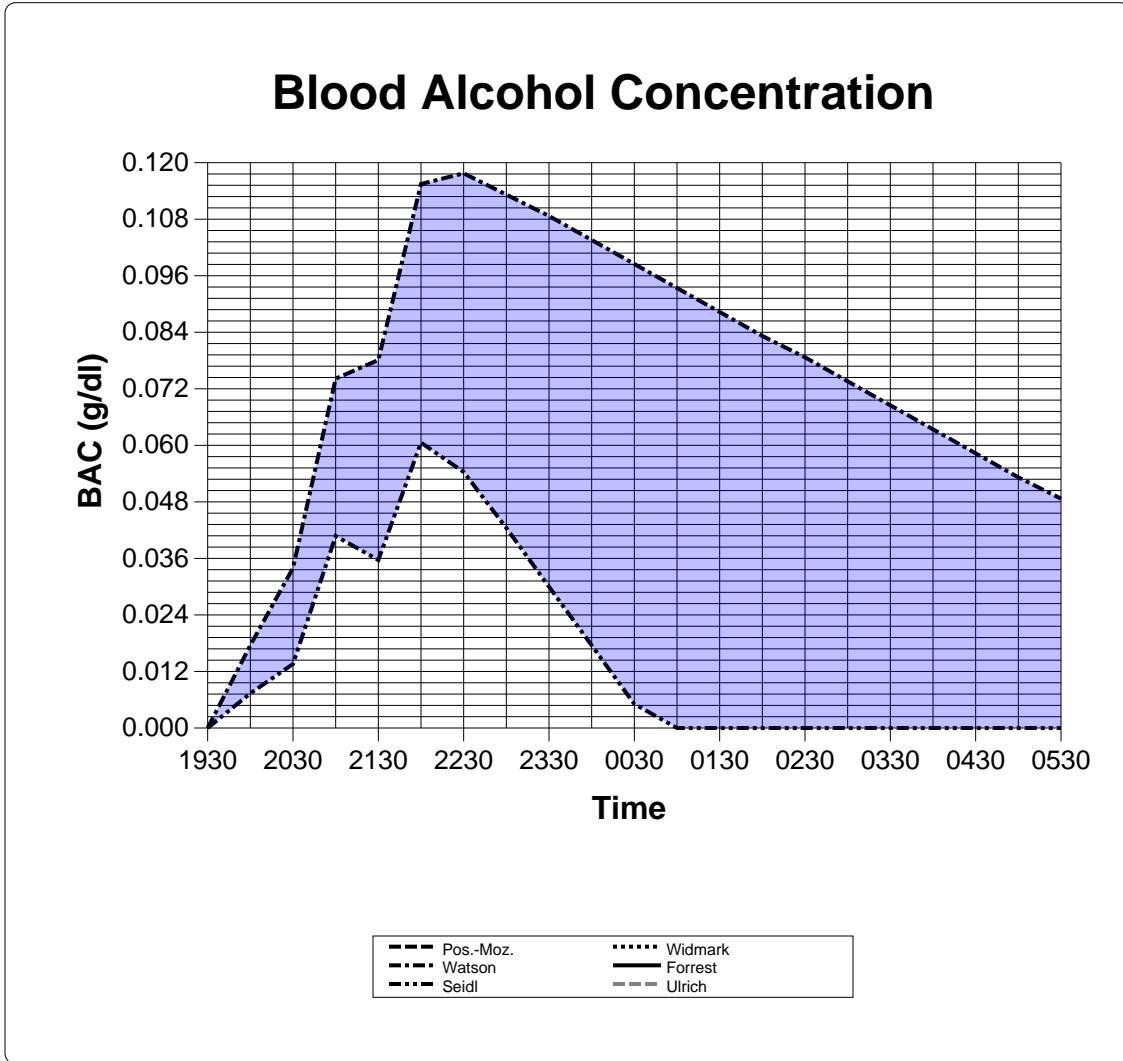
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Chart Generated

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