

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	0.009

Elimination Range (g/dl/hr)
 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

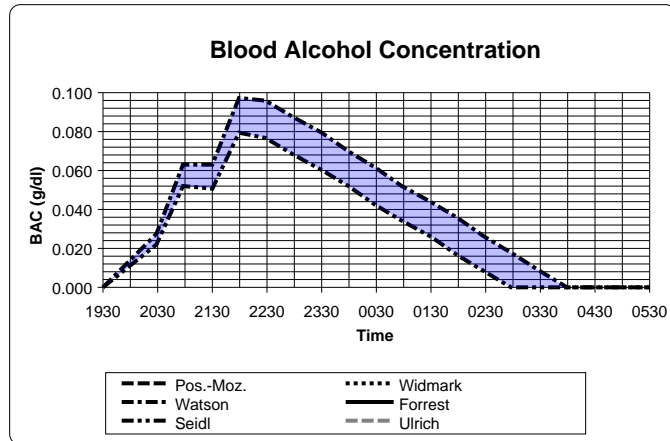
Peak BAC (g/dl): 0.088
 Range: 0.009
 Peak Time(24hr): 2200

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

Male

Time (24 hr)	BAC (g/dl)	
1930	0.000	+/- 0.000
2000	0.012	+/- 0.001
2030	0.023	+/- 0.003
2100	0.057	+/- 0.006
2130	0.057	+/- 0.006
2200	0.088	+/- 0.009
2230	0.086	+/- 0.009
2300	0.078	+/- 0.009
2330	0.069	+/- 0.009
0000	0.060	+/- 0.009
0030	0.051	+/- 0.009
0100	0.043	+/- 0.009
0130	0.034	+/- 0.009
0200	0.025	+/- 0.009
0230	0.016	+/- 0.009
0300	0.008	+/- 0.008
0330	0.004	+/- 0.004
0400	0.000	+/- 0.000
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> 0.087		<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	0.034
0130	0.033	0130	0.043	0130	0.025
0200	0.024	0200	0.034	0200	0.016
0230	0.016	0230	0.026	0230	0.007
0300	0.007	0300	0.017	0300	0.000
0330	0.000	0330	0.008	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

<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	0.039
0130	0.037	0130	0.032	0130	0.030
0200	0.028	0200	0.024	0200	0.021
0230	0.019	0230	0.015	0230	0.012
0300	0.011	0300	0.006	0300	0.004
0330	0.002	0330	0.000	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.

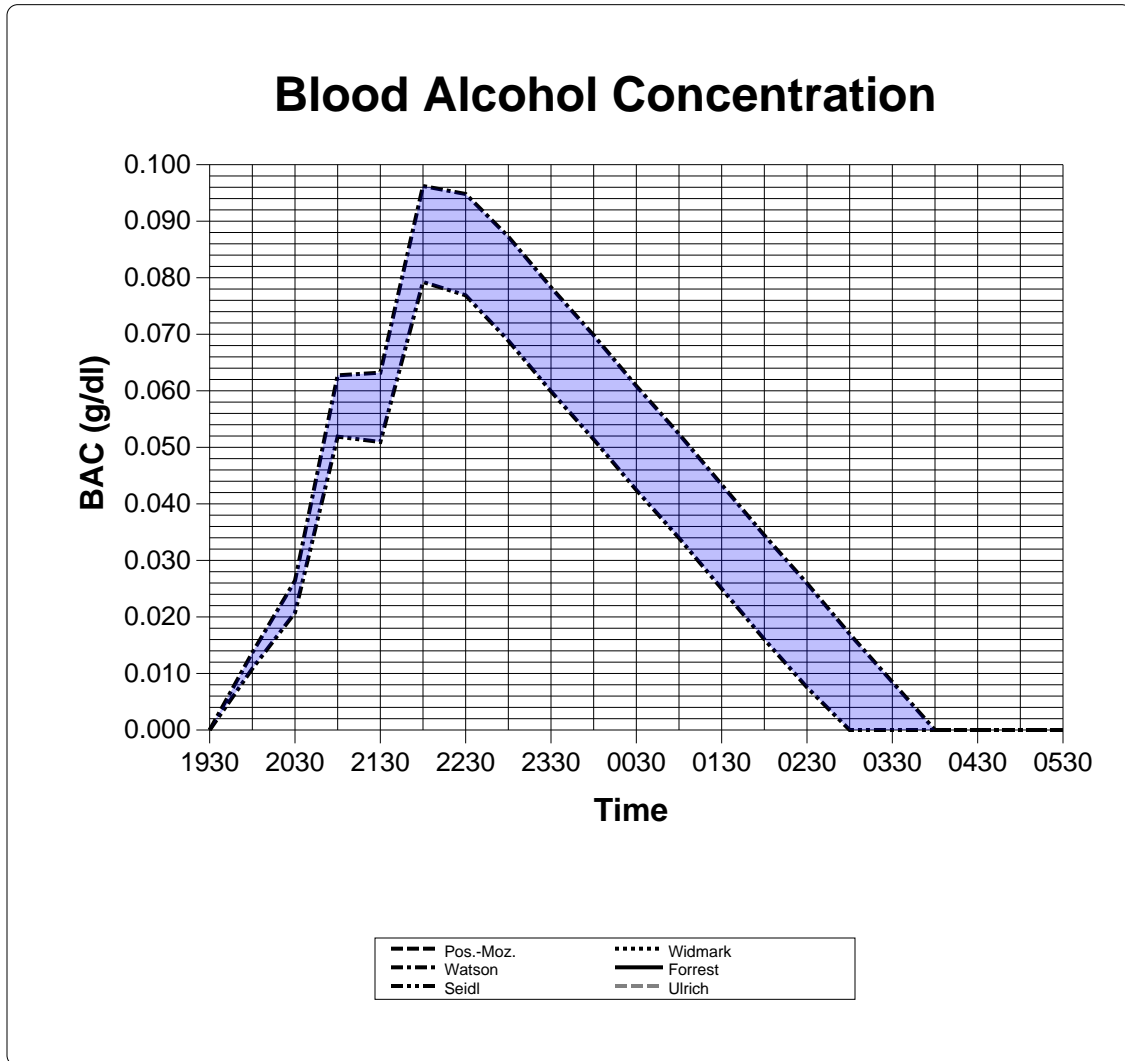
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Chart Generated

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