

# Alcohol Extrapolation Report

**Organization:** BAC Tracker International, Inc.  
**Reference ID#** 0000-0000

**Report Generated** 11/24/2009

### Subject Information

<b>Name:</b> Doe, John	<b>Weight (lb):</b> 190
<b>Age:</b> 34	<b>Height (in):</b> 73
<b>Gender:</b> Male	

### Drink Consumption Information

Time of Interest(24 hrs)	BAC	Range (+/-)
2307	0.075	0.009

**Elimination Range (g%hr-1)**  
**Avg.**  
**0.018**

#### Individual Alcohol Drink Consumption

Volume (oz)	% (Alc/Vol)	Time (24hrs)
12	5	2000
12	5	2032
2	40	2137
12	5	2200
2	40	2212

Volume Distribution	Loading Factor
Widmark:	<b>0.680</b> <b>0.135</b>
Watson:	<b>0.661</b> <b>0.139</b>
Forrest:	<b>0.714</b> <b>0.129</b>
Seidl:	<b>0.759</b> <b>0.121</b>
Ulrich:	<b>0.725</b> <b>0.127</b>
Pos.-Moz.:	<b>0.708</b> <b>0.130</b>

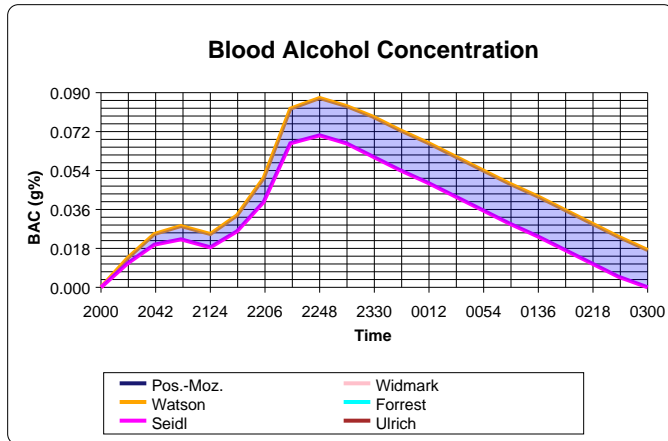
#### Peak Alcohol Concentration

Peak BAC: 0.078  
 Range: 0.009  
 Peak Time(24hr): 2248  
 Loading Factor 0.130

**BAC at Time of Interest:** 0.075

Male		
Time (24 hr)	BAC (g%)	
2000	0.000	+/- 0.000
2021	0.012	+/- 0.001
2042	0.022	+/- 0.002
2103	0.025	+/- 0.003
2124	0.021	+/- 0.003
2145	0.029	+/- 0.004
2206	0.045	+/- 0.006
2227	0.074	+/- 0.008
2248	0.078	+/- 0.009
2309	0.074	+/- 0.009
2330	0.069	+/- 0.009
2351	0.063	+/- 0.009
0012	0.057	+/- 0.009
0033	0.051	+/- 0.009
0054	0.044	+/- 0.009
0115	0.038	+/- 0.009
0136	0.032	+/- 0.009
0157	0.026	+/- 0.009
0218	0.020	+/- 0.009
0239	0.014	+/- 0.009
0300	0.008	+/- 0.008

### Extrapolation Information



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

Drink #	K
1	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> 0.075		<u>BAC at Time of Interest:</u> 0.084		<u>BAC at Time of Interest:</u> 0.066	
<u>Pos.-Moz.</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>	<u>Watson</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>	<u>Seidl</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>
<u>Time (24 hr)</u>		<u>Time (24 hr)</u>		<u>Time (24 hr)</u>	
2000	0.000	2000	0.000	2000	0.000
2021	0.012	2021	0.013	2021	0.011
2042	0.022	2042	0.024	2042	0.020
2103	0.025	2103	0.028	2103	0.022
2124	0.021	2124	0.024	2124	0.018
2145	0.029	2145	0.033	2145	0.025
2206	0.045	2206	0.050	2206	0.039
2227	0.074	2227	0.082	2227	0.066
2248	0.078	2248	0.087	2248	0.070
2309	0.074	2309	0.083	2309	0.066
2330	0.069	2330	0.078	2330	0.060
2351	0.063	2351	0.072	2351	0.054
0012	0.057	0012	0.066	0012	0.048
0033	0.050	0033	0.060	0033	0.042
0054	0.044	0054	0.053	0054	0.035
0115	0.038	0115	0.047	0115	0.029
0136	0.032	0136	0.041	0136	0.023
0157	0.026	0157	0.035	0157	0.017
0218	0.020	0218	0.029	0218	0.011
0239	0.014	0239	0.023	0239	0.005
0300	0.008	0300	0.017	0300	0.000

<u>BAC at Time of Interest:</u> 0.080		<u>BAC at Time of Interest:</u> 0.074		<u>BAC at Time of Interest:</u> 0.072	
<u>Widmark</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>	<u>Forrest</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>	<u>Ulrich</u> <u>Male</u>	<u>Doe, John</u> <u>BAC (g%)</u>
<u>Time (24 hr)</u>		<u>Time (24 hr)</u>		<u>Time (24 hr)</u>	
2000	0.000	2000	0.000	2000	0.000
2021	0.013	2021	0.012	2021	0.012
2042	0.023	2042	0.022	2042	0.021
2103	0.027	2103	0.025	2103	0.024
2124	0.023	2124	0.021	2124	0.020
2145	0.031	2145	0.028	2145	0.028
2206	0.048	2206	0.044	2206	0.043
2227	0.078	2227	0.073	2227	0.071
2248	0.083	2248	0.077	2248	0.075
2309	0.080	2309	0.073	2309	0.071
2330	0.074	2330	0.068	2330	0.066
2351	0.068	2351	0.062	2351	0.060
0012	0.062	0012	0.055	0012	0.054
0033	0.056	0033	0.049	0033	0.047
0054	0.050	0054	0.043	0054	0.041
0115	0.043	0115	0.037	0115	0.035
0136	0.037	0136	0.031	0136	0.029
0157	0.031	0157	0.025	0157	0.023
0218	0.025	0218	0.019	0218	0.017
0239	0.019	0239	0.013	0239	0.011
0300	0.013	0300	0.006	0300	0.005

*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.*

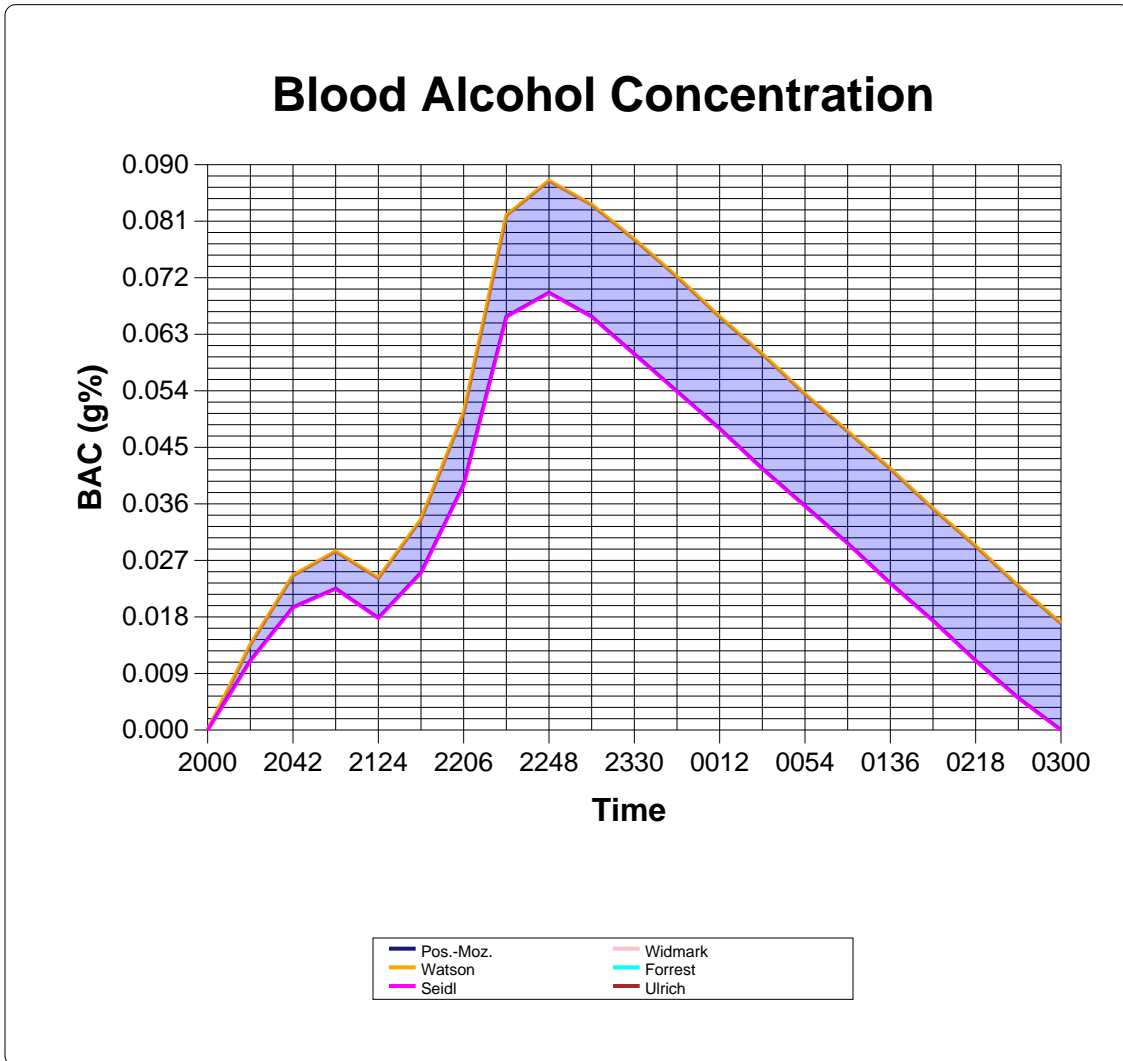
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Chart Generated

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