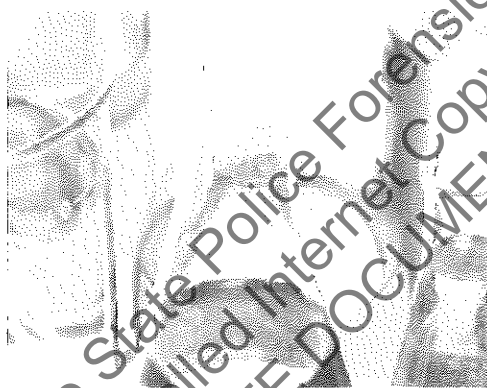


# *Idaho State Police*

## *Forensic Services*

### *Approval for Quality System Controlled Documents*



Discipline/Name of Document: Toxicology – BAC Calculation Excel  
Spreadsheet (casefile, calibrators and controls tabs)

Revision Number: 2

Issue Date: 8/20/2008

APPROVED BY: Corinna C. Owsley  
Quality Manager

8/20/08  
Date Signed

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.:

Analysis Date(s):

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	Uncertainty Value	Reported Result
Sample Results	0.0806	0.0799	0.0007	0.0802	0.0800	0.0010	0.07
(g/100cc)	0.0802	0.0795	0.0007	0.0798			

**Analysis Method**

Refer to Toxicology Analytical Method 4.1 or 4.2

**Instrument Information**

**Columns**

Vendor	Column	Channel	Film thickness	Length	ID

**Gas Chromatograph Instrumental Temperature Conditions**

Initial Oven	Ramp Rate	Final Oven	Hold	Injection Port	Detector A	Detector B

**Headspace Analyzer Instrumental Conditions**

Needle Temperature			Sample Oven	
Transfer Line			Cycle Time	
Thermostating Time			Pressurization Time	
Injection Time			Withdrawal Time	

Calibration and control data are stored centrally.

Analyst: \_\_\_\_\_

Page \_\_\_\_ of \_\_\_\_

**Quantitative Analysis for Ethanol**

**Ethanol Calibration Standards**

**Run Date(s):**

	0.05g/100cc	0.08g/100cc	0.10g/100cc
Source of Standard			
Lot Number			
Acceptable Range Assayed Values			
Results for Column 1 FID A			
Results for Column 2 FID B			
Column Precision	0.0000	0.0000	0.0000
Mean	#DIV/0!	#DIV/0!	#DIV/0!
	0.20g/100cc	0.30g/100cc	0.40g/100cc
Source of Standard			
Lot Number			
Acceptable Range Assayed Values			
Results for Column 1 FID A			
Results for Column 2 FID B			
Column Precision	0.0000	0.0000	0.0000
Mean	#DIV/0!	#DIV/0!	#DIV/0!

**Analyst:** \_\_\_\_\_

**Quantitative Analysis for Ethanol**

**Ethanol Calibration Standards**

**Run Date(s):**

	0.05g/100cc		0.08g/100cc		0.10g/100cc	
Source of Standard						
Lot Number						
Acceptable Range Assayed Values						
Results for Column 1 FID A						
Results for Column 2 FID B						
Column Precision	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	0.20g/100cc		0.30g/100cc		0.40g/100cc	
Source of Standard						
Lot Number						
Acceptable Range Assayed Values						
Results for Column 1 FID A						
Results for Column 2 FID B						
Column Precision	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

**Analyst:** \_\_\_\_\_

**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

**Volatiles Quality Assurance Controls**

**Run Date(s):**

Control Type								
Mean Value								
Acceptable Range								
Source of Control								
Lot Number								
Results for Column 1 Channel (A)								
Results for Column 2 Channel (B)								
Column Precision	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Sample Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
Control Type								ISTD Blank
Mean Value								
Acceptable Range								
Source of Control								
Lot Number								
Results for Column 1 Channel (A)								
Results for Column 2 Channel (B)								
Column Precision	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Sample Mean	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

**Analyst:** \_\_\_\_\_