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	0.0000
Sample Mean	#DIV/0!	#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: _____