

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: 3

Issue Date: 9/7/2009

APPROVED BY:

M. Taylor
Quality Manager

9/7/09
Date Signed

Checklist Submitted and Checked *W. J.*

** Last Revision under Toxicology. Next Revision is Rev 0 under Volatiles Discipline*

Rev. 1
Issue 6-5-2009
Issuing Authority: Quality Manager

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: _____ Analysis Date(s): _____

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value
Sample Results	0.0806	0.0804	0.0002	0.0805
(g/100cc)	0.0802	0.0815	0.0013	0.0808

Analysis Method *Calibration and control data are stored centrally.*

Refer to Toxicology Analytical Method 4.1

Refer to Toxicology Analytical Method 4.2

Instrument Information *Instrument Method is stored centrally.*

Refer to Instrument Method: _____

Reporting of Results *Coefficient of Variation (CV%): 5.94%*

Mean (g/100cc)	Low	High	5.94% of Mean
0.0806	0.0759	0.0853	0.0047

Reported Result
0.080

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Quantitative Analysis for Ethanol

Ethanol Calibration Reference Material

Run Date(s):

	0.05g/100cc	0.08g/100cc	0.10g/100cc	
Source				
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	0.40g/100cc	0.50g/100cc	ISTD Blank
Source				
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: _____

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Quantitative Analysis for Ethanol

Ethanol Aqueous Controls

Run Date(s):

	0.05g/100cc	0.08g/100cc	0.20g/100cc
Source of Standard			
Lot Number			
Acceptable Range Assayed Values			
Results for Column 1 FID A			
Results for Column 2 FID B			
Column Precision	0.000000	0.000000	0.000000
Mean	#DIV/0!	#DIV/0!	#DIV/0!
	0.30g/100cc	0.40g/100cc	0.50g/100cc
Source of Standard			
Lot Number			
Acceptable Range Assayed Values			
Results for Column 1 FID A			
Results for Column 2 FID B			
Column Precision	0.000000	0.000000	0.000000
Mean	#DIV/0!	#DIV/0!	#DIV/0!

Analyst: _____

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Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Volatiles Quality Assurance Controls

Run Date(s):

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Control Type	Whole Blood							
Mean Target Value								
Acceptable Range								
Source of Control	Cliniqa LiquiSPx							
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								
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!

Analyst: _____

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Volatiles Quality Assurance Controls						Run Date(s):	
Control Type	Whole Blood Volatiles		Whole Blood Volatiles		Whole Blood Volatiles		ISTD Blank
Mean Value	Level 1:		Level 2:		Level 3:		
Acceptable Range	0.0727 - 0.0887		0.1424 - 0.1740		0.2766 - 0.3380		
Source of Control	CLINIQA		CLINIQA		CLINIQA		
Lot Number	0904145		0904149		0904147		
Results for Column 1 FID1 (A)							0.0000
Results for Column 2 FID2 (B)							0.0000
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!	
Control Type	Aqueous Ethanol		Aqueous Ethanol		Aqueous Ethanol		ISTD Blank
Mean Value	0.0500 g/100cc		0.1000 g/100cc		0.4000 g/100cc		
Acceptable Range	0.0470 - 0.0530		0.0940 - 0.1060		0.3760 - 0.4240		
Source of Control	Cerilliant		Cerilliant		Cerilliant		
Lot Number	FN030909-01A		FN030909-01B		FN030909-01C		
Results for Column 1 Channel (A)							0.0000
Results for Column 2 Channel (B)							0.0000
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: _____