



Alcohol Countermeasure Systems Corp
60 International Boulevard
Toronto, Ontario M9W 6J2
CANADA
acs-corp.com

CERTIFICATE OF ANALYSIS

Alcohol Countermeasure Systems
Alcohol Reference Solution
Lot No: 201603D

Expiry Date: March 8, 2018

This solution was analyzed using the direct injection gas-chromatographic procedure coupled with the internal standard technique commensurate with forensic alcohol methodology.

A screening (pre-mix) analysis of the distilled water used in the preparation of this solution indicated that there were no volatile impurities present.

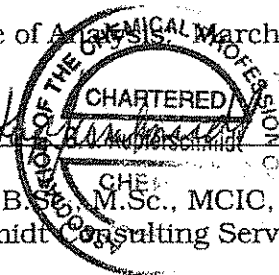
The target analytical concentration was 0.0605 – 0.062 gram/dL (wt/vol) ethyl alcohol in aqueous solution with an equivalent vapour alcohol concentration of 0.05 - 0.051 gram/210L when used in a breath alcohol simulator heated to $34 \pm 0.2^\circ\text{C}$.

The solution was found to have an analytical concentration of 0.061 gram/dL (wt/vol) ethyl alcohol in aqueous solution with an equivalent vapour alcohol concentration of 0.050 g/210L when used in a breath alcohol simulator heated to $34 \pm 0.2^\circ\text{C}$.

The solution is manufactured from distilled/de-ionized water and absolute ethyl alcohol (USP Grade). This lot contains 2500 bottles (of 500 mL each) of Alcohol Reference Solution.

Date of Analysis: March 8, 2016


G.J. Kupferschmidt, B.Sc., M.Sc., MCIC, C.Chem
G. Kupferschmidt Consulting Services Ltd.



FORCON

Forensic Consulting Services

A Division of G. Kupferschmidt Consulting Services Ltd.

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Telephone (905) 844-4410; Fax: (905) 844-6959; Email: kcs@forcon.ca

STANDARD ALCOHOL SPECIFICATION SHEET(HP5890)

Lot #: 201603 D Concentration: 50 mg %
Date of Analysis: Mar 8/16 Calibration Mix: 39.0 mg %
NIST: SRM 2692 Expiry Date: 30 April 2023 ISTD: n-Pro H
Source: Fisher Lot 13415T Stock ISTD Concentration: 40.1 mg/ml
Stock ISTD Preparation Date: Jan 12/16
ISTD Dilution: 10 - 71000 ISTD Concentration 40.1 mg/dl
Pipettor/Diluter: Microlab 600

Liquid Analysis

HP5890 GC; FID; 4'x1/8" OD; 5% Carbowax 1500 on Porapak Q 80/100 mesh;

Temperatures

Column 120 °C Injector 200 °C Detector 210 °C

0.1 mL calibrator/sample plus 1.0 mL ISTD

2 microlitre injections

SAMPLE RESULTS

NOTES

#1	#2	#3
60.97	60.66	
61.1	60.46	

Average Value: 60.42

Predicted Simulator Value: 50.3

Date: Mar 8/16

Certified: G. Kupferschmidt

Feb 23/16 ISTD Jan 12/16 Fisher Lot 134155

		<i>Column1</i>		
S1	39	12.8913		
	39.21	12.8584		
S2	39.08	12.8468	Mean	39.11625
	39.23	12.8283	Standard Error	0.029151
S3	39.08	12.8228	Median	39.08
	39.19	12.813	Mode	39.08
S4	39.07	12.8098	Standard Deviation	0.082451
	39.07	12.8032	Sample Variance	0.006798
			Kurtosis	-1.41707
			Skewness	0.282995
			Range	0.23
			Minimum	39
			Maximum	39.23
			Sum	312.93
			Count	8
			Confidence Level(95.0%)	0.068931

Mar8/16 ISTD Jan 12/16 Fisher Lot 134155

		<i>Column1</i>		
S1	39.13	12.8027	Mean	39.03
	39	12.8018	Standard Error	0.023068
S2	39.1	12.7996	Median	39.03
	38.95	12.8001	Mode	38.95
S3	39.01	12.8	Standard Deviation	0.065247
	38.95	12.8012	Sample Variance	0.004257
S4	39.05	12.8001	Kurtosis	-0.9798
	39.05	12.8	Skewness	0.205724
			Range	0.18
			Minimum	38.95
			Maximum	39.13
			Sum	312.24
			Count	8
			Confidence Level(95.0%)	0.054548

*
*

* EDIT METH

- 1 = RUN PARAMETERS
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- 3 = REPLACE CALIBRATION
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- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
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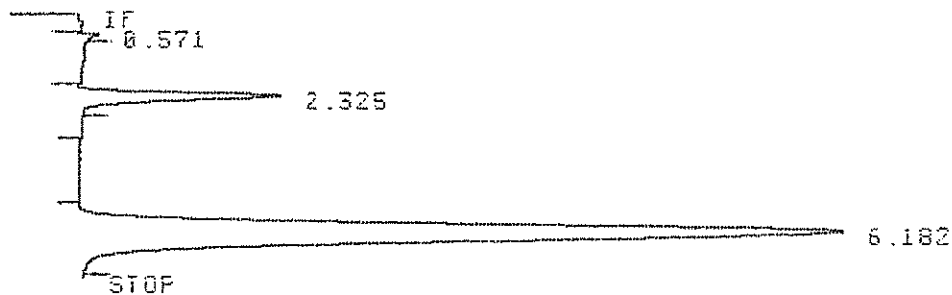
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REPORT OPTIONS

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HEIGHTX report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: LOT 20160301 S1
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6542 MAR 8, 2016 04:13:58
START



RUN# 6542 MAR 8, 2016 04:13:58

METHOD NAME: M*QUANT.MET

LOT 20160301 S1

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.325	352023	PB	1	60.967
6.182	2970240	PB	20	

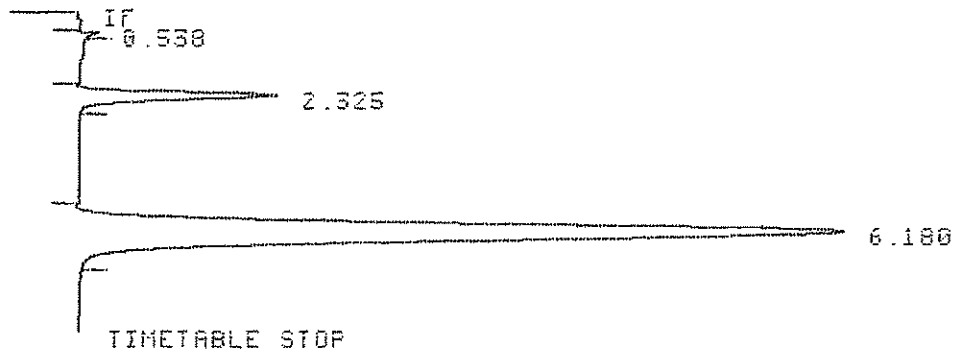
TOTAL AREA=3335646

MUL FACTOR=1.0000E+00

ISTD AMT=4.0100E+01

* RUN # 6543 MAR 8, 2016 09:21:57

START



RUN# 6543 MAR 8, 2016 09:21:57

METHOD NAME: M*QUANT.MET

LOT 20160301 S1

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.325	354764	BB	1	61.090
6.180	2980738	PB	26	

TOTAL AREA=3345648
 MUL FACTOR=1.0000E+00
 ISTD AMT=4.0100E+01

* EDIT METH

- 1 = RUN PARAMETERS
- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
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- 6 = REPORT OPTIONS
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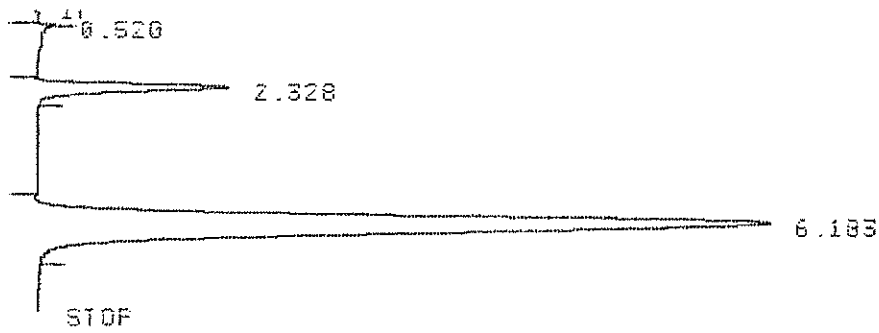
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
 HEIGHT% report [Y/N*]:
 Replace report title [Y/N*]: Y
 Report title: IBID S2
 Replace amount label [Y/N*]:
 Report uncalibrated peaks [Y/N*]:
 Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6544 MAR 8, 2016 09:32:07



RUN# 6544 MAR 8, 2016 09:32:07

METHOD NAME: M*QUANT.MET

IBID 92

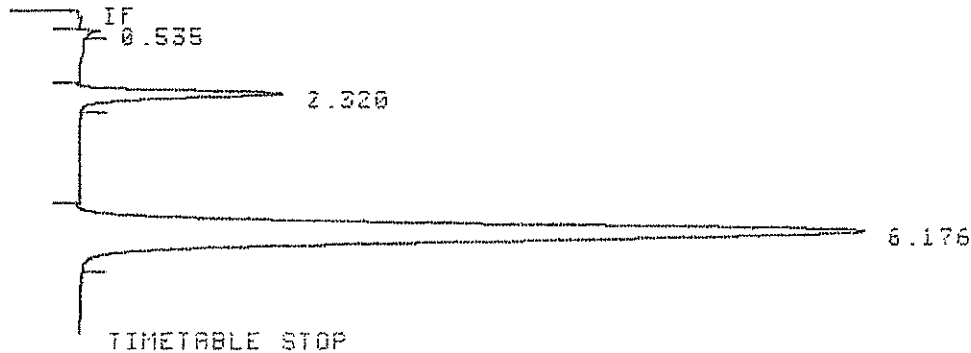
ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.328	335519	BB	1	60.664
6.185	2838654	PB	26	

TOTAL AREA=3176778
 MUL FACTOR=1.0000E+00
 ISTD AMT=4.0100E+01

* RUN # 6545 MAR 8, 2016 09:41:07

START



RUN# 6545 MAR 8, 2016 09:41:07

METHOD NAME: M*QUANT.MET

IBID 92

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.320	362108	PB	1	60.964
6.176	3048568	PB	26	

TOTAL AREA=3421424
 MUL FACTOR=1.0000E+00

PREPARATION OF STANDARD ALCOHOL SOLUTION		BATCH	201603D
		PART #	95-100305
		MANF DATE	2016.03.08
EQUIVALENT ETHYL ALCOHOL CONCENTRATION:		0.05 FOLE	50 mg%
Anhydrous Ethyl Alcohol	LOT #	019857	0.05 FOLE
	EXP:	Jan 2018	
Target analytical value:	0.610 mg/mL	0.610	mg/mL
Volume:	Nominal	1,265 Litre tank	
	Actual	1,265 - 1,285 Litres	
Mixing:	1 265,000 mL x 0.610 mg/mL of ethanol	= 771,650	mg
		= 772	gm
	Ethanol to add to 1,000 Litre tank for first mix (772 gm / 0.789 gm/mL)	= 978	mL
Analysis 1:	Determine actual conc'n of ethanol in solution = "x"	<input type="text"/>	mg/mL
Calculate:	Volume of ethanol required to make up to target value = "y"		
	$y = (0.610 \times 978) / x$	#DIV/0!	mL
ReMix:	Add proportionate amount of ethanol to make up to target		
	(y - 978) mL of ethanol	#DIV/0!	mL
Analysis 2:	to determine the actual concentration of ethanol in solution		
ReMix:	as above		

* EDIT METH

- 1 = RUN PARAMETERS
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- 6 = REPORT OPTIONS
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- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

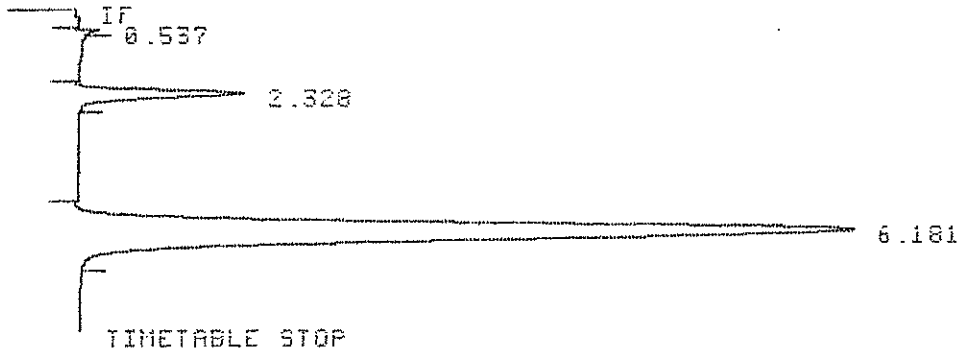
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

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HEIGHTX report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: CERILLIANT E-029
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6540 MAR 8, 2016 03:41:06
START



RUN# 6540 MAR 8, 2016 03:41:06

METHOD NAME: M*QUANT.MET

CERILLIANT E-029

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.328	293956	PB	1	50.178
6.181	3006762	PB	28	

TOTAL AREA=3311480
MUL FACTOR=1.00000E+00
ISTD AMT=4.01000E+01

* EDIT METH

- 1 = RUN PARAMETERS
- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
- 4 = INTEGRATION PLOT TYPE
- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
- 7 = PRINT & POST-RUN LIST OPTIONS
- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

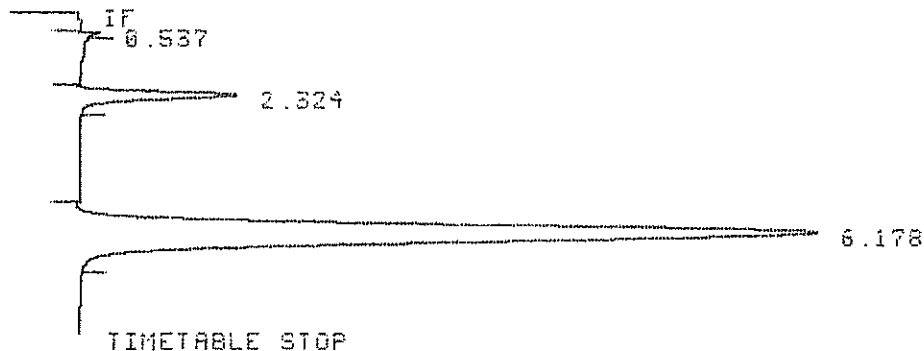
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
HEIGHT% report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: IBID S2
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6541 MAR 8, 2016 03:51:15
START



RUN# 6541 MAR 8, 2016 03:51:15

METHOD NAME: M*QUANT.MET

IBID S2

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.324	279271	BB	1	50.087
6.178	2861728	FB	28	

50.17
50.09

50.14

TOTAL AREA=3151221

MUL FACTOR=1.0000E+00

ISTD AMT=4.0100E+01

*
*

* EDIT METH

- 1 = RUN PARAMETERS
- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
- 4 = INTEGRATION PLOT TYPE
- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
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- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

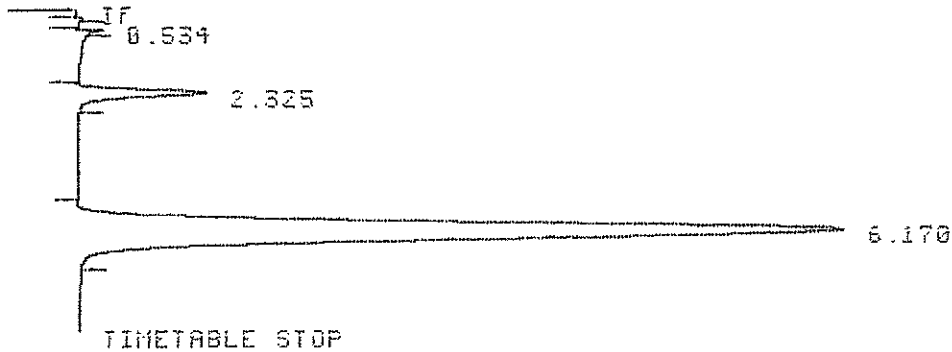
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
HEIGHT% report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: CAL S1
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6531 MAR 8, 2016 02:11:53
START



RUN# 6531 MAR 8, 2016 02:11:53

METHOD NAME: M*QUANT.MET

CAL S1

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.325	225131	PB	1	39.134
6.170	2954422	PB	26	

TOTAL AREA=3189790

NUL FACTOR=1.0000E+00

DATE TIME 1 21 2016 02:11:53

* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

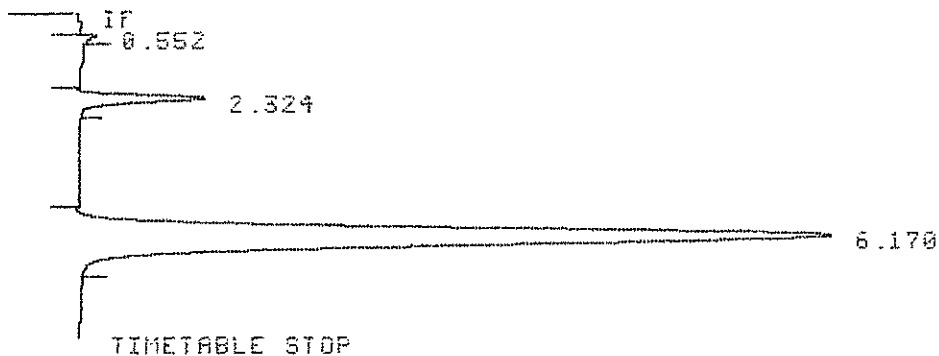
LEVEL: 1 RECALIBRATIONS: 9

CAL#	RT	LU	AMT	AMT/AREA
1	2.318	1	3.9000E+01	1.7459E-04
2	6.155	1	4.0100E+01	1.3637E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
RF of uncalibrated peaks 0.0000E+00
Calibration fit F
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

* RUN # 6532 MAR 8, 2016 02:21:42
START



RUN# 6532 MAR 8, 2016 02:21:42

METHOD NAME: M*QUANT.NET

CAL SI

ISTD-AREA	RT	AREA	TYPE	CAL#	MG/100
	2.324	220993	PS	1	35.000
	6.170	2900960	PS	2	

TOTAL AREA=3140074
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 10

CAL#	RT	LU	AMT	AMT/AREA
1	2.313	1	3.9000E+01	1.7477E-04
2	6.157	1	4.0100E+01	1.3652E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
RF of uncalibrated peaks 0.0000E+00
Calibration fit F
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

* EDIT METH

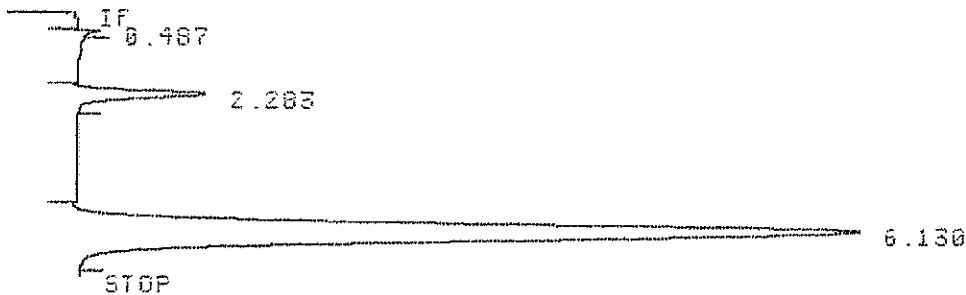
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- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
- 4 = INTEGRATION PLOT TYPE
- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
- 7 = PRINT & POST-RUN LIST OPTIONS
- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

SECTION TO BE EDITED: 6 @

REPORT OPTIONS
Suppress local report [Y/N*]:
HEIGHT% report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: CAL S2
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6533 MAR 8, 2016 02:32:30
START



RUN# 6533 MAR 8, 2016 02:32:30

METHOD NAME: M*QUANT.MET

CAL 52

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.283	231408	BB	1	39.103
6.130	3038102	PB	2	

TOTAL AREA=3281413
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 11

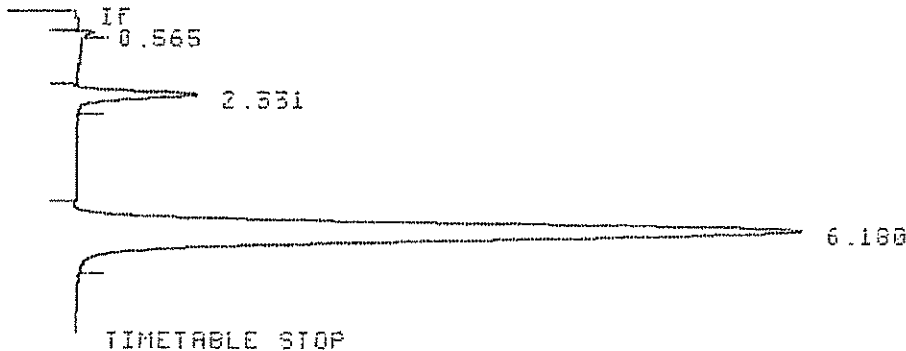
CAL#	RT	LU	AMT	AMT/AREA
1	2.310	1	3.9000E+01	1.7419E-04
2	6.150	1	4.0100E+01	1.3609E-05

CAL# NAME
1 ETHANOL
2 N-PROPANOL

CALIBRATION OPTIONS

RF of uncalibrated peaks 0.0000E+00
Calibration fit P
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

* RUN # 6534 MAR 8, 2016 02:40:28
START



RUN# 6534 MAR 8, 2016 02:40:28

METHOD NAME: M*QUANT.MET

CAL 52

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
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TOTAL AREA=3038290
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 12

CAL#	RT	LU	AMT	AMT/AREA
1	2.315	1	3.9000E+01	1.7485E-04
28	6.157	1	4.0100E+01	1.3660E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
 RF of uncalibrated peaks 0.0000E+00
 Calibration fit P
 Disable post-run RT update .. NO
 ISTD peak # 2
 ISTD AMT 4.0100E+01
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

* EDIT METH

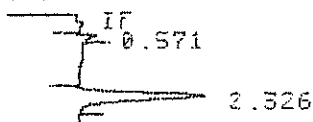
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- 2 = TIMETABLE EVENTS
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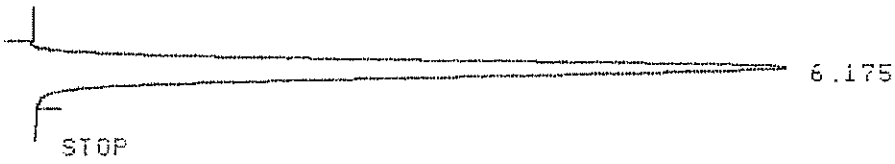
SECTION TO BE EDITED: 6 @

REPORT OPTIONS
 Suppress local report [Y/N*]:
 HEIGHT% report [Y/N*]:
 Replace report title [Y/N*]: Y
 Report title: CALL S5
 Replace amount label [Y/N*]:
 Report uncalibrated peaks [Y/N*]:
 Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6535 MAR 8, 2016 02:52:42
START





RUN# 6535 MAR 8, 2016 02:52:42

METHOD NAME: M*QUANT.MET

CALL S3

ISTD-AREA	RT	AREA TYPE	CAL#	MG/100
	2.326	221424 BB	1	39.013
	6.175	2913304 PB	20	

TOTAL AREA=3146507
 MUL FACTOR=1.0000E+00
 ISTD AMT=4.0100E+01

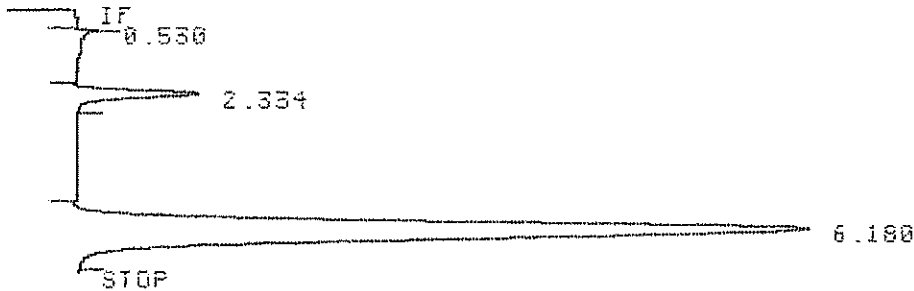
* CALIB 1 @
 ISTD
 REF % RTW: 5.000 NON-REF % RTW: 5.000
 LEVEL: 1 RECALIBRATIONS: 13

CAL#	RT	LU	AMT	AMT/AREA
1	2.317	1	3.9000E+01	1.7495E-04
20	6.161	1	4.0100E+01	1.3668E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
 RF of uncalibrated peaks 0.0000E+00
 Calibration fit P
 Disable post-run RT update .. NO
 ISTD peak # 2
 ISTD AMT 4.0100E+01
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

* RUN # 6536 MAR 8, 2016 03:01:29
 START



METHOD NAME: M+QUANT.MET

CALL 53

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
2.334	214251	BB	1	30.947
6.100	2823640	PB	20	

TOTAL AREA=3038898
 MUL FACTOR=1.0000E+00
 ISTD AMT=4.0100E+01

* CALIB 1 @
 ISTD
 REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 14

CAL#	RT	LV	AMT	AMT/AREA
1	2.321	1	3.9000E+01	1.7544E-04
20	6.165	1	4.0100E+01	1.3705E-05

CAL# NAME
 1 ETHANOL
 2 N-PROPANOL

CALIBRATION OPTIONS
 RF of uncalibrated peaks 0.0000E+00
 Calibration fit P
 Disable post-run RT update .. NO
 ISTD peak # 2
 ISTD AMT 4.0100E+01
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

* EDIT METH

- 1 = RUN PARAMETERS
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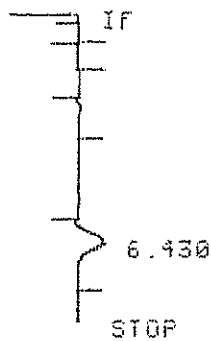
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
 HEIGHT% report [Y/N*]:
 Replace report title [Y/N*]: Y
 Report title: CAL 54
 Replace amount label [Y/N*]:
 Report uncalibrated peaks [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6537 MAR 8, 2016 03:10:03
START



RUN# 6537 MAR 8, 2016 03:10:03

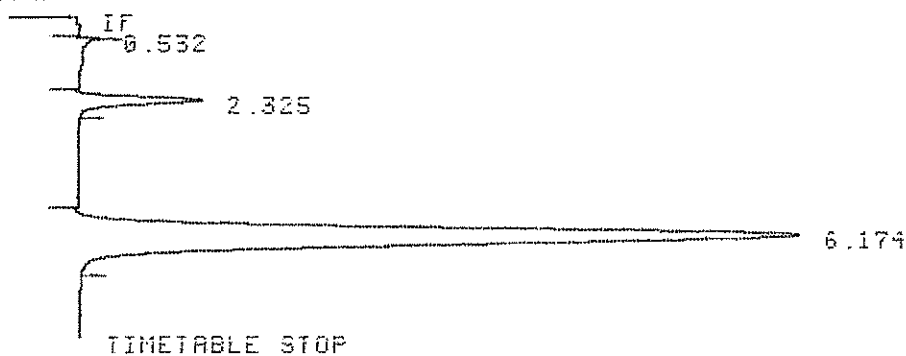
METHOD NAME: M*QUANT.MET

CAL S4

ISTD-AREA	RT	AREA TYPE	CAL#	MG/100
	6.430	109276 PB	26	

TOTAL AREA= 109276
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

* RUN # 6538 MAR 8, 2016 03:19:09
START



RUN# 6538 MAR 8, 2016 03:19:09

METHOD NAME: M*QUANT.MET

CAL S4

ISTD-AREA	RT	AREA TYPE	CAL#	MG/100
	2.325	210997 PB	1	39.050

TOTAL AREA=2985448
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

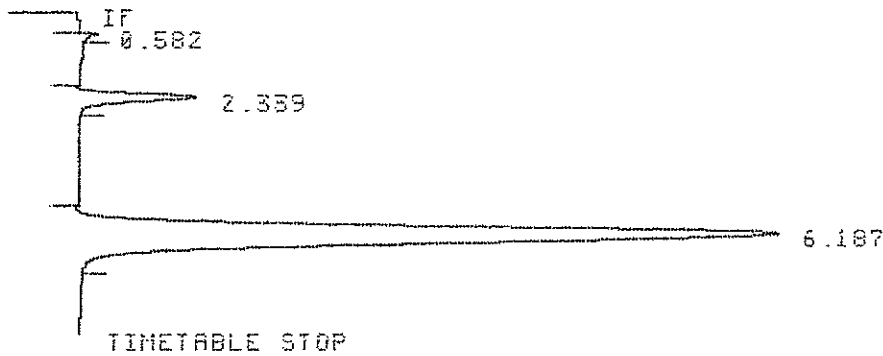
* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000
LEVEL: 1 RECALIBRATIONS: 1S

CAL#	RT	LU	AMT	AMT/AREA
1	2.322	1	3.9000E+01	1.7604E-04
20	6.216	1	4.0100E+01	1.3753E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
RF of uncalibrated peaks 0.0000E+00
Calibration fit P
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

* RUN # 6539 MAR 8, 2016 03:28:48
START



RUN# 6539 MAR 8, 2016 03:28:48

METHOD NAME: M*QUANT.MET

CAL S4

ISTD-AREA	RT	AREA	TYPE	CAL#	MG/100
	2.339	205440	PS	1	39.058
	6.187	2700360	PS	20	

TOTAL AREA=2910029
MUL FACTOR=1.0000E+00
ISTD AMT=4.0100E+01

* CALIB 1 @
ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 15

CAL#	RT	LU	AMT	AMT/AREA
1	2.526	1	3.9000E+01	1.7684E-04
2	6.208	1	4.0100E+01	1.3816E-05

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS
RF of uncalibrated peaks 0.0000E+00
Calibration fit F
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

*

*

* EDIT METH

- 1 = RUN PARAMETERS
- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
- 4 = INTEGRATION PLOT TYPE
- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
- 7 = PRINT & POST-RUN LIST OPTIONS
- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

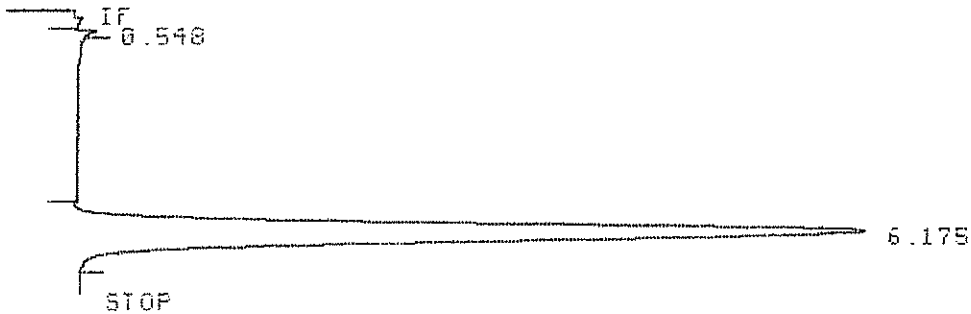
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
 HEIGHT% report [Y/N*]:
 Replace report title [Y/N*]: Y
 Report title: ISTD BLANK
 Replace amount label [Y/N*]:
 Report uncalibrated peaks [Y/N*]:
 Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6530 MAR 8, 2016 01:59:47
 START



RUN# 6530 MAR 8, 2016 01:59:47

METHOD NAME: M*QUANT.MET

ISTD BLANK

ISTD-AREA

RT	AREA	TYPE	CAL#	MG/100
6.175	3038366	FB	20	

TOTAL AREA=3048651

MUL FACTOR=1.0000E+00

ISTD AMT=4.0100E+01

* EDIT METH

- 1 = RUN PARAMETERS
- 2 = TIMETABLE EVENTS
- 3 = REPLACE CALIBRATION
- 4 = INTEGRATION PLOT TYPE
- 5 = RUN DATA STORAGE OPTIONS
- 6 = REPORT OPTIONS
- 7 = PRINT & POST-RUN LIST OPTIONS
- 8 = REMOTE DEVICE ACCESS
- 9 = RANGE SETPOINTS

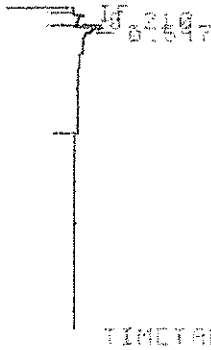
SECTION TO BE EDITED: 6 @

REPORT OPTIONS

Suppress local report [Y/N*]:
HEIGHTX report [Y/N*]:
Replace report title [Y/N*]: Y
Report title: LOT 2016030 WATER BLANK
Replace amount label [Y/N*]:
Report uncalibrated peaks [Y/N*]:
Extended report [Y/N*]:

SECTION TO BE EDITED:

* RUN # 6527 MAR 6, 2016 01:25:02
START



RUN# 6527 MAR 6, 2016 01:25:02

METHOD NAME: M+QUANT.MET

LOT 2016030 WATER BLANK

NO CALIB PEAKS FOUND

AREA*

RT	AREA	TYPE	WIDTH	AREA*
0.210	3743	BS	0.051	24.05065
0.647	11820	PS	0.053	75.04838

TOTAL AREA* 15563

INL FACTOR*1.0000E+00

* LIST: METH @

RUN PARAMETERS

ZERO = 0
ATT 21 = 4
CNT SP = 0.5
AR REJ = 100
THRESH = 3
PK MD = 0.20

TIMETABLE EVENTS

0.000 INTG # = 0
0.000 INTG # = 8
9.000 STOP

CALIBRATION

ISTD
REF % RTU: 5.000 NON-REF % RTU: 5.000

LEVEL: 1 RECALIBRATIONS: 0

CALL#	RT	LU	AMT	AMT/AREA
1	2.516	1	3.9000E+01	1.7476E-04
2	6.139	1	4.0100E+01	1.3645E-05

CALL#	NAME
1	ETHANOL
2	N-PROPANOL

INTEGRATION PLOT TYPE FILTERED
Presentation plot NO

RUN DATA STORAGE
Store signal data NO
Store processed peaks NO

CALIBRATION OPTIONS
RT of uncalibrated peaks 0.0000E+00
Calibration fit P
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 4.0100E+01
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

REPORT OPTIONS
Suppress local report NO
HEIGHT% report NO
Report title:
ISID \$Z
Amount label NG/100
Report uncalibrated peaks ... NO
Extended report NO

PRINT & POST-RUN LIST OPTIONS
Large font YES

External peak run report NO
List run parameters NO
List timetable NO
List calibration table NO
List remote method NO
Form-feed before report NO
Form-feed after report NO
Skip perforations in report . NO
Skip perforations in plot ... NO
RANGE: C1,BUFFER 5, 5

HP 5890A GAS CHROMATOGRAPH
LOOP ADDRESS: 8

OVEN TEMP = 120 SETPT = 120
EQUIB TIME = 0.00 CRYO OFF
OVEN MAXIMUM = 175
INITIAL TEMP = 120
INITIAL TIME = 0.00

RUN LENGTH = 650.00 MIN

INJ A TEMP = 200 SETPT = 200
DET A TEMP = 250 SETPT = 250

SIGNAL 1 = A
INLET FULL RANGE DATA ON
RANGE = 3
ZERO = 10.0
ATTN = 3

SIGNAL 2 = A
RANGE = 3
ZERO = 10.0
ATTN = 0

DETECTOR A = FID (ON)

PURGE A = ON
PURGE B = OFF

*
*
*