

STATE OF MARYLAND
OFFICE OF THE CHIEF MEDICAL EXAMINER

DAVID R. FOWLER, M.D.
CHIEF MEDICAL EXAMINER

JACK M. TITUS, M.D.
DEPUTY CHIEF MEDICAL EXAMINER

MARY G. RIPPLE, M.D.
DEPUTY CHIEF MEDICAL EXAMINER

BARRY LEVINE, Ph.D.
TOXICOLOGIST

FORENSIC MEDICINE CENTER
900 WEST BALTIMORE STREET

BALTIMORE, MARYLAND 21223
PHONE (410) 333-3250
FAX (410) 333-3063

POST MORTEM
EXAMINERS COMMISSION

SANFORD A. STASS, M.D. - Chairman
BROOKS JACKSON, M.D. - Vice Chairman

OXIRIS BARBOT, M.D.
JOSHUA SHARFSTEIN, M.D.
SUPERINTENDENT TERENCE SHERIDAN

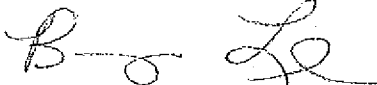
Date July 1, 2011

TO WHOM IT MAY CONCERN:

This is to certify that INTOX EC/IR II, Serial Number 011781 is approved for the analysis of breath to determine alcohol concentration in the State of Maryland.

This certification expires February 29, 2012.

I solemnly affirm under penalties of perjury that the contents of this paper are true to the best of my knowledge, information and belief.


Barry Levine, Ph.D., D-ABFT
Toxicologist

PMEC-1

**Intox EC/IR-II:
Initial Certification**

MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:44
BLK	.000	12:45
STD	.162	12:46
BLK	.000	12:47
STD	.160	12:47
BLK	.000	12:48
STD	.161	12:49
BLK	.000	12:50
STD	.160	12:51
BLK	.000	12:52

Operator Signature

G.L. Crouch
0.160

**Intox EC/IR-II:
Initial Certification**

MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:35
BLK	.000	12:36
STD	.080	12:37
BLK	.000	12:37
STD	.080	12:38
BLK	.000	12:39
STD	.080	12:40
BLK	.000	12:41
STD	.079	12:41
BLK	.000	12:42

Operator Signature

G.L. Crouch
SL 10090

**Intox EC/IR-II:
Initial Certification**

MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:26
BLK	.000	12:27
STD	.041	12:27
BLK	.000	12:28
STD	.041	12:29
BLK	.000	12:30
STD	.040	12:31
BLK	.000	12:32
STD	.040	12:32
BLK	.000	12:33

Operator Signature

G.L. Crouch
0.040

**Intox EC/IR-II:
Initial Certification**

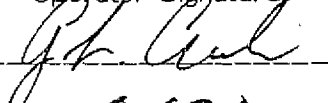
MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:06
BLK	.000	12:06
STD	.020	12:07
BLK	.000	12:08
STD	.020	12:09
BLK	.000	12:10
STD	.020	12:10
BLK	.000	12:11
STD	.020	12:12
BLK	.000	12:13

Operator Signature


0.020

**Intox EC/IR-II:
Initial Certification**

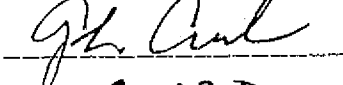
MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH ACETONE

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:15
BLK	.000	12:15
STD	.020	12:17
BLK	.000	12:18
STD	.020	12:18
BLK	.000	12:19
STD	.020	12:20
BLK	.000	12:21
STD	.020	12:22
BLK	.000	12:23

Operator Signature


0.020

**Intox EC/IR-II:
Initial Certification**

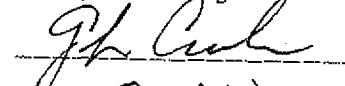
MARYLAND STATE POLICE
Serial Number: 011781

Test Date: 06/13/2011
Operator Name:
G L CROUCH

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:57
BLK	.000	11:57
STD	.000	11:58
BLK	.000	11:59
STD	.000	12:00
BLK	.000	12:00
STD	.000	12:01
BLK	.000	12:02
STD	.000	12:03
BLK	.000	12:04

Operator Signature


0.000

BL711

STATE OF MARYLAND
OFFICE OF THE CHIEF MEDICAL EXAMINERDAVID R. FOWLER, M.D.
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TOXICOLOGISTFORENSIC MEDICINE CENTER
900 WEST BALTIMORE STREETBALTIMORE, MARYLAND 21223
PHONE (410) 333-3290
FAX (410) 333-3083POST MORTEM
EXAMINERS COMMISSIONSANFORD A. STASS, M.D. - Chairman
BROOKS JACKSON, M.D. - Vice ChairmanOXIRIS BARBOT, M.D.
JOSHUA SHARFSTEIN, M.D.
COLONEL MARCUS BROWN

August 1, 2011

State's Attorney
District Court Division
Courthouse
ATTN: Chief of District Court

To whom it may concern,

Beginning in May of 2011, changes were made pertaining to the State's Alcohol Testing Program. Specifically, the Intoximeter EC/IR was replaced with the Intoximeter EC/IR II and the validation test before and after each subject test will utilize an Alcohol Gas Standard instead of a wet bath Alcohol Reference Solution (simulator solution). The initial certification and periodic recertification of approval of each instrument was performed in accordance with COMAR 10.35.02 and is essentially the same process that was employed for the previous instrument. Each lot of Alcohol Gas Standard will also be approved prior to its placement into service; each approval will be based on testing performed on an approved instrument calibrated with approved Alcohol Reference Solution tested at the Toxicology Laboratory, Office of the Chief Medical Examiner.

Should you have any questions, please do not hesitate to call at 410-333-3299.

Sincerely,

Barry Levine, Ph.D., DABFT
Chief Toxicologist
Office of the Chief Medical Examiner
900 W. Baltimore St.
Baltimore, MD 21223

STATE OF MARYLAND

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OXIRIS BARBOT, M.D.
JOSHUA SHARFSTEIN, M.D.
SUPERINTENDENT TERENCE SHERIDAN

July 1, 2011

State's Attorney for Anne Arundel County
District Court Division
251 Rowe Blvd
Annapolis, MD 21401
ATTN: Chief of District Court

RECEIVED

JUL 7 2011

State's Attorney's Office ADC

To whom it may concern,

Beginning on July 1, changes will be made in Anne Arundel County pertaining to the Alcohol Testing Program. Specifically, the Intoximeter EC/IR will be replaced with the Intoximeter EC/IR II and the validation test before and after each subject test will utilize an Alcohol Gas Standard instead of a wet bath Alcohol Reference Solution (simulator solution). The initial certification and periodic recertification of approval of each instrument shall be performed in accordance with COMAR 10.35.02 and is essentially the same process that was employed for the previous instrument. Each lot of Alcohol Gas Standard will also be approved prior to its placement into service; each approval will be based on testing performed on an approved instrument calibrated with approved Alcohol Reference Solution tested at the Toxicology Laboratory, Office of the Chief Medical Examiner.

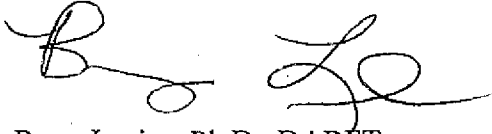
Enclosed please find the following documents:

- Initial certification procedure
- Raw data validating the solutions used in the initial certification
- Initial certification letters and raw data from the testing on each instrument used in your county
- Complete file on Alcohol Reference Solution 11080

We will continue to provide copies of all reports and data pertaining to the Alcohol Testing Program as they are generated.

Should you have any questions, please do not hesitate to call at 410-333-3299.

Sincerely,

A handwritten signature in black ink, appearing to read 'Barry Levine', written in a cursive style.

Barry Levine, Ph.D., DABFT
Chief Toxicologist
Office of the Chief Medical Examiner
900 W. Baltimore St.
Baltimore, MD 21223

Initial Certification Procedure

1. The following Alcohol Test Solutions are prepared by the Toxicology Laboratory, Office of the Chief Medical Examiner, State of Maryland.

(1) 0.020 g/210L Alcohol Test Solution: Add 16 mL of Alcohol Stock Solution to a 4000 mL volumetric flask and q.s. to 4000 mL with distilled water.

(2) 0.040 g/210L Alcohol Test Solution: Add 32 mL of Alcohol Stock Solution to a 4000 mL volumetric flask and q.s. to 4000 mL with distilled water.

(3) 0.160 g/210L Alcohol Test Solution: Add 128 mL of Alcohol Stock Solution to a 4000 mL volumetric flask and q.s. to 4000 mL with distilled water.

2. These solutions are validated by the Toxicology Laboratory, Office of the Chief Medical Examiner, State of Maryland using its standard gas chromatographic assay with a calibrator traceable to NIST standard reference material. Each lot of solution is tested in triplicate. The average ethanol concentration for each lot of solution should be in the following ranges:

0.020 g/210L: 0.022-0.026 g/dL

0.040 g/210L: 0.045-0.051 g/dL

0.160 g/210 L: 0.184-0.202 g/dL

3. Call up the Initial Certification Program on the INTOX EC/IR II to be evaluated. The maintenance technician should identify himself as the operator.

4. Introduce vapor containing the following solutions through the breath tube using a simulator:

(1) 0.020 g/210 L Alcohol Test Solution

(2) 0.040 g/210 L Alcohol Test Solution

(3) 0.080 g/210L Approved Alcohol Reference Solution

(4) 0.160 g/210 L Alcohol Test Solution

(5) Acetone Test Solution (Add 100 mL acetone to a 500 mL 0.020 g/210L Alcohol test Solution)

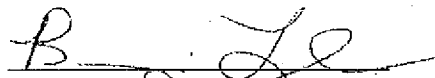
(6) Distilled Water

5. Each solution shall be tested 4 times.

6. The acceptable ranges for the 4 replicates are as follows:

- (1) 0.020 g/210 L Alcohol Test Solution: 0.015-0.025 g/210L
- (2) 0.040 g/210 L Alcohol Test Solution: 0.035-0.045 g/210L
- (3) 0.080 g/210L Approved Alcohol Reference Solution: 0.075-0.085 g/210L
- (4) 0.160 g/210 L Alcohol Test Solution: 0.152-0.168 g/210L
- (5) Acetone Test Solution: 0.015-0.025 g/210L
- (6) Distilled Water: <0.005 g/210L

6. Sign each instrument printout and send to the Toxicologist's Office.


Barry Levine, Ph.D., D-ABFT

5/10/10
Date

DAVID R. FOWLER, M.D.
CHIEF MEDICAL EXAMINER

JACK M. TITUS, M.D.
DEPUTY CHIEF MEDICAL EXAMINER

MARY G. RIPPLE, M.D.
DEPUTY CHIEF MEDICAL EXAMINER

BARRY LEVINE, PH.D.
TOXICOLOGIST

STATE OF MARYLAND
OFFICE OF THE CHIEF MEDICAL EXAMINER

FORENSIC MEDICINE CENTER
111 PENN STREET

BALTIMORE, MARYLAND 21201-1020
PHONE (410) 333-3250
FAX (410) 333-3063

POST MORTEM
EXAMINERS COMMISSION

SANFORD A. STASS, M.D. - Chairman
BROOKS JACKSON, M.D. - Vice Chairman


JOSHUA SHARFSTEIN, M.D.
JOHN M. COLMERS
SUPERINTENDENT TERRENCE SHERIDAN

To whom it may concern,

This is to certify that Barry Levine, Ph.D., D-ABFT prepared the Alcohol Test Solutions used in the initial certification of approved INTOX EC/IR II instruments.

This is to certify that Barry Levine, Ph.D., D-ABFT performed the validation testing on these Alcohol Test Solutions.

I solemnly affirm under penalties of perjury that the contents of this paper are true to the best of my knowledge, information and belief.


Barry Levine, Ph.D., D-ABFT
Toxicologist

5/13/10
Date



OFFICE OF THE CHIEF MEDICAL EXAMINER

DATE: _____

Alcohol Test
Solutions

NAME: _____

CASE: _____

5/11/10 - Prepared 2 batches (≈ 25 L) each of 0.02g/210L
Alcohol Test Solutions using Approved Alcohol Stock
Solutions AS-809 and distilled water

BL

5/13/10 - Prepared 1 batch each (≈ 25 L) of 0.04g/210L
and 0.160g/210L Alcohol Test Solutions using Approved
Alcohol Stock Solutions AS-809 and distilled water.

BK



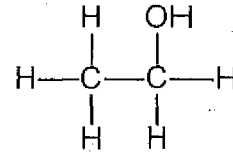
Certificate of Analysis

ISO GUIDE 34
2009
ISO/IEC 17025
2005
ISO 9001:2000
2008

Ethanol-150

Ethyl alcohol

Catalog Number: E-041
Solution Lot: FN020108-01
Expiration Date: February 2013
Diluent: Water
Volume per Ampule: 1.2 mL
Storage: Protect from light, refrigerate. Do not freeze.
Intended Use: For laboratory use only. Not suitable for human or animal consumption.



- ♦ Expiration Date has been established through real time stability studies.
- ♦ Ampules are overfilled to ensure a minimum 1.2 mL volume fill. We advise laboratories to use measured volumes of this standard solution before diluting to the desired concentration.

Component	Chromatographic Purity	Concentration
Ethanol	100%	150.0 ± 4.7 mg/dL
<ul style="list-style-type: none"> ♦ Chromatographic purity of the solution is verified post ampuling to provide assurance of no contamination or degradation during manufacturing. ♦ The range of concentration is determined by statistical process control of our production and analysis systems with a 95% confidence. 		

Traceability

- ♦ The standard and its preparation are fully traceable to the SI through NIST.
- ♦ Gravimetrically prepared using qualified balances calibrated semi-annually by Mettler Toledo, an ISO/IEC 17025 accredited company, using NIST traceable weights. Calibration verification performed weekly through the range of the balance and then prior to each use. All calibration verifications are performed utilizing NIST traceable weights which are externally calibrated on an annual basis by a qualified ISO 17025 accredited calibration laboratory. Weigh tapes verifying pre-use balance calibration are included in the production batch record for this standard. Each balance has been assigned a minimum weighing by Mettler Toledo taking into consideration the balance and installed environmental conditions to ensure weighing complies with USP tolerances of no more than 0.1% relative error.
- ♦ Concentration is analytically verified by multiple analyses to a calibration curve prepared from a NIST SRM.

Cerilliant certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated acceptance criteria through the expiration/retest date.

Authorized Signature:

Lara Sparks

 Lara Sparks, Quality Assurance Director

April 22, 2009

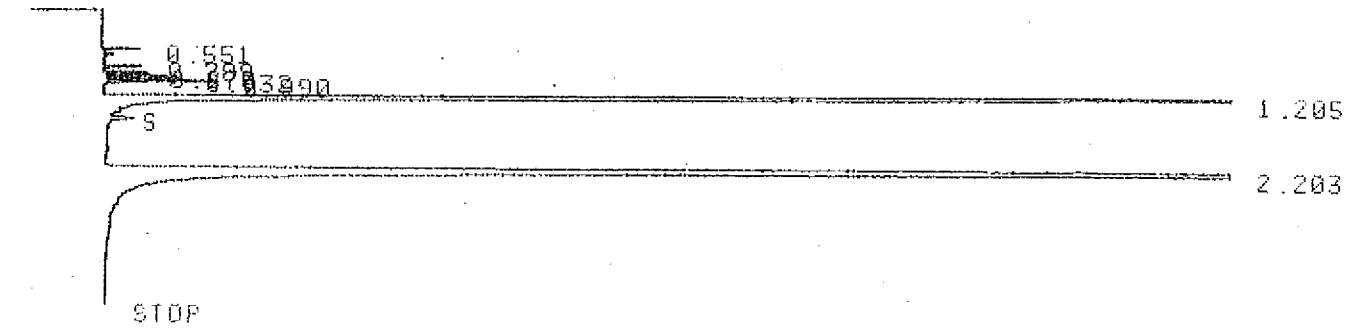
 Date

Alcohol Test Solutions

CALIBRATION

12369

RUN # 50 MAY 13, 2010 06:53:29



RUN# 50 MAY 13, 2010 06:53:29

METHOD NAME: M*ALC.MET

AREAX

RT	AREA	TYPE	WIDTH	AREAX
.878	26609	FU	.021	.29021
.932	52530	UV	.024	.57292
.990	72622	UB	.023	.79205
1.205	3235934	SPB	.024	35.29251
2.203	5781203	SBB	.047	63.05234

TOTAL AREA=9.1689E+06
MUL FACTOR=1.0000E+00

* PREP CALIB @

E = EXTERNAL STANDARD
I = INTERNAL STANDARD
N = NORMALIZATION

CALIB PROCEDURE [E*/I/N]: I

REF % RTW [5.000]:
NON-REF % RTW [5.000]:

RF BASED ON AREA OR HEIGHT [A*/H]:

CAL#	RT	AMT	NAME
1	:1.205	:0.150	:ETHANOL
2	:2.203	:0.02	:N-PROPANOL
3	: BREAK		

* EDIT CALIB @

1 = CALIB PROCEDURE
2 = RETENTION TIME WINDOWS
3 = TABLE ENTRIES

SECTION TO BE EDITED: 5

12370

CALIBRATION OPTIONS

RF of uncalibrated peaks [0.0000E+00]:
Replace calibration fit [Y/N*]:
Disable post-run RT update [Y/N*]:
ISTD peak #: 2
ISTD AMT [2.0000E-02]:
SAMPLE AMT [0.0000E+00]:
MUL FACTOR [1.0000E+00]: BREAK

* LIST: CALIB @

ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 1

CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.6354E-08
2S	2.203	1	2.0000E-02	3.4595E-09

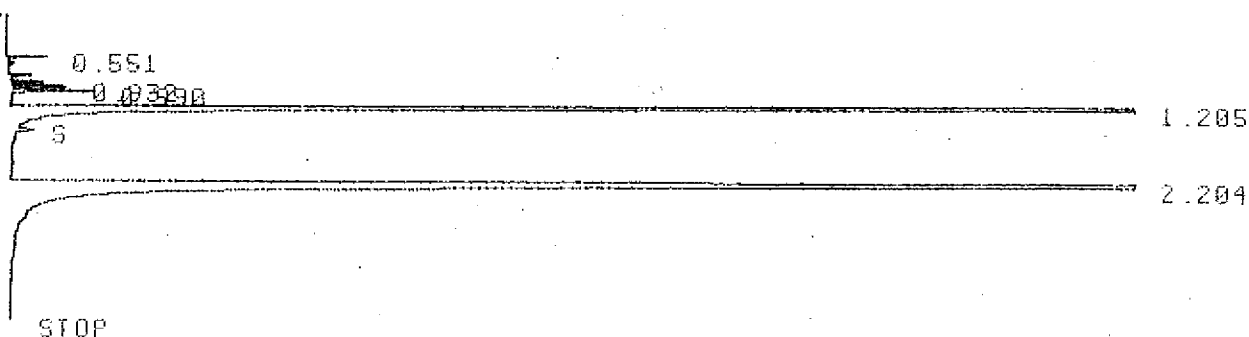
CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS

RF of uncalibrated peaks 0.0000E+00
Calibration fit P
Disable post-run RT update .. NO
ISTD peak # 2
ISTD AMT 2.0000E-02
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

*SET RUNNUM 1

* RUN # 1 MAY 13, 2010 07:38:08
START



RUN# 1 MAY 13, 2010 07:38:08

SAMPLE NAME: cAL 1
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
0.932	39374	UU		.000
0.990	52874	UB		.000
1.205	3433061	SPB	1R	.151
2.204	6104605	SPB	2S	

MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

12371

ISTD

REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 2

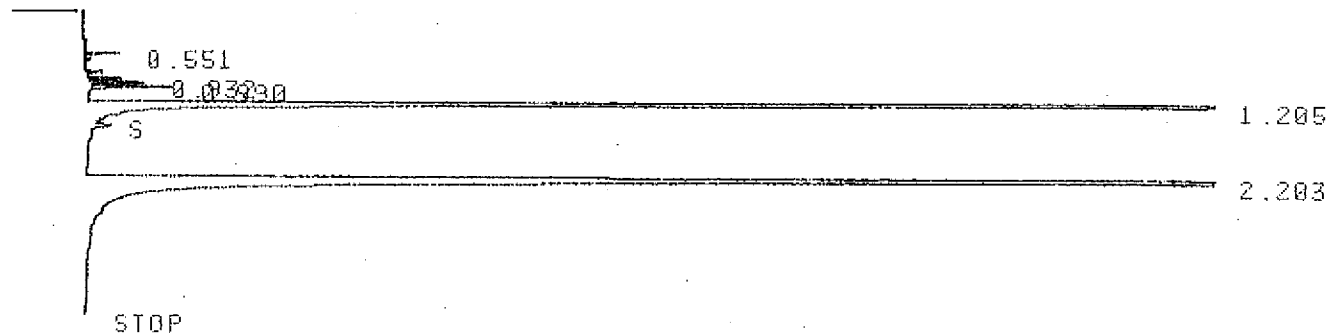
CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.4984E-08
2S	2.203	1	2.0000E-02	3.3654E-09

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 2.0000E-02
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

* RUN # 2 MAY 13, 2010 07:44:03
START



RUN# 2 MAY 13, 2010 07:44:03

SAMPLE NAME: CAL 2
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	41712	UV		.000
.990	56949	UV		.000
1.205	3205034	SBB	1R	.150
2.203	5698784	SPB	2S	

TOTAL AREA=9.0025E+06
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

ISTD

LEVEL: 1 RECALIBRATIONS: 3

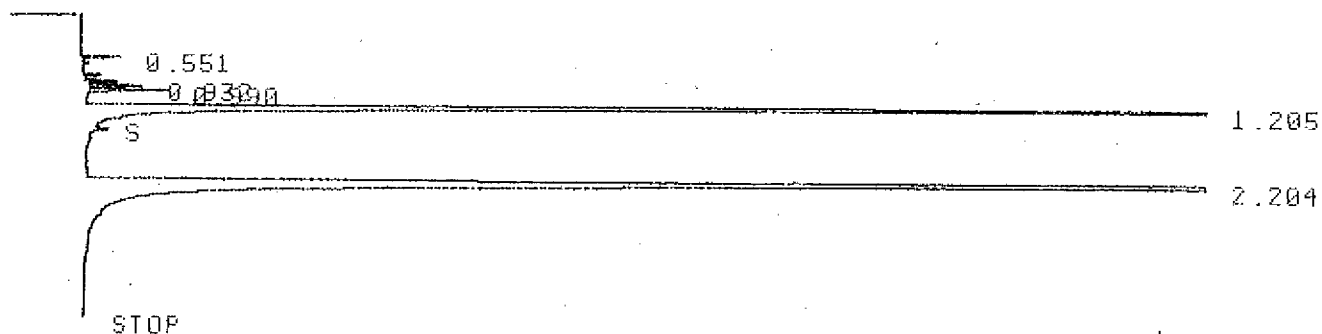
CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.5574E-08
2S	2.203	1	2.0000E-02	3.4121E-09

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 2.0000E-02
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

* RUN # 3 MAY 13, 2010 07:49:57
START



RUN# 3 MAY 13, 2010 07:49:57

SAMPLE NAME: CAL 3
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	40320	UU		.000
.990	53974	UB		.000
1.205	3409562	SPB	1R	.151
2.204	6034010	SPB	2S	

TOTAL AREA=9.5379E+06
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

ISTD

REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 4

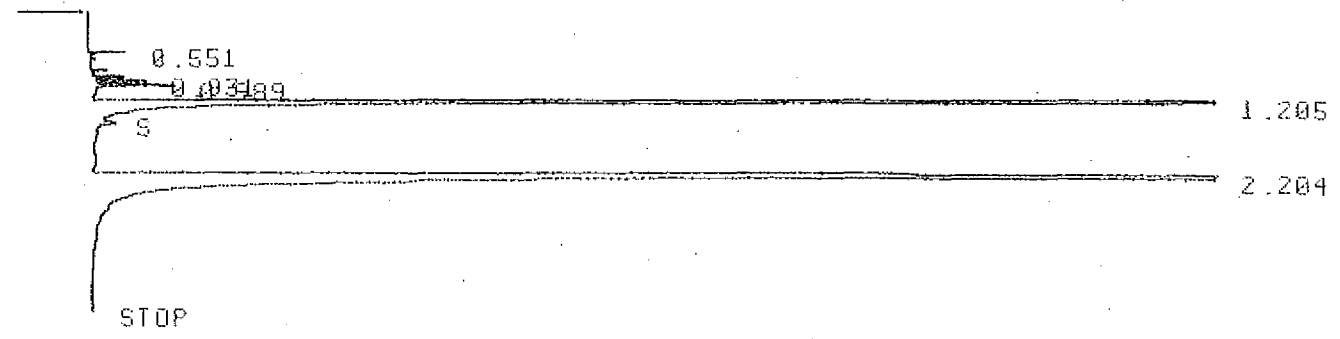
CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.5168E-08
2S	2.203	1	2.0000E-02	3.3872E-09

CAL#	NAME
------	------

12372

CALIBRATION OPTIONS
 RF of uncalibrated peaks 0.0000E+00
 Calibration fit P
 Disable post-run RT update .. NO
 ISTD peak # 2
 ISTD AMT 2.0000E-02
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

* RUN # 4 MAY 13, 2010 07:55:59
 START



RUN# 4 MAY 13, 2010 07:55:59

SAMPLE NAME: CAL 4
 METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.931	40305	UV		.000
.989	53444	UV		.000
1.205	3329846	SPB	1R	.150
2.204	5909760	SPB	2S	

TOTAL AREA=9.3334E+06
 MUL FACTOR=1.0000E+00
 ISTD AMT=2.0000E-02

ISTD
 REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 5

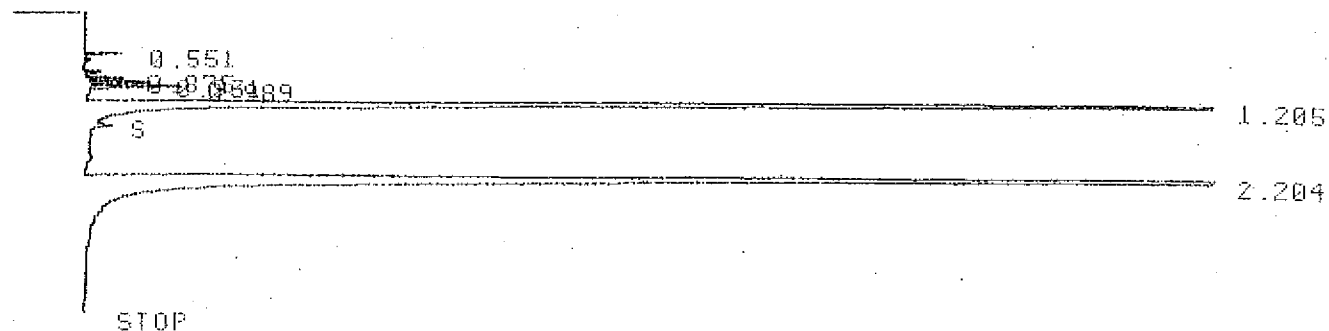
CAL#	RT	LV	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.5144E-08
2S	2.203	1	2.0000E-02	3.3866E-09

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 2.0000E-02

MUL FACTOR 1.0000E+00

* RUN # 5 MAY 13, 2010 08:02:00
START



12374

RUN# 5 MAY 13, 2010 08:02:00

SAMPLE NAME: CAL 5
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.875	24222	BU		.000
.931	45045	UU		.000
.989	60978	UB		.000
1.205	3355222	SBB	1R	.149
2.204	5983677	SPB	2S	

TOTAL AREA=9.4691E+06
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 6

CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.5071E-06
2S	2.203	1	2.0000E-02	3.3791E-09

CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS

RF of uncalibrated peaks 0.0000E+00
 Calibration fit P
 Disable post-run RI update .. NO
 ISTD peak # 2
 ISTD AMT 2.0000E-02
 SAMPLE AMT 0.0000E+00
 MUL FACTOR 1.0000E+00

0.0204/210L - Batch 1

ISTD-AREA	RT	AREA	TYPE	CAL#	AMOUNT
	.875	24222	BU		.000
	.931	45045	UU		.000
	.989	60978	UB		.000
	1.205	3355222	SB	1R	.149
	2.204	5983677	SP	2S	

TOTAL AREA=9.4691E+06
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

ISTD
REF % RTW: 5.000 NON-REF % RTW: 5.000

LEVEL: 1 RECALIBRATIONS: 6

CAL#	RT	LU	AMT	AMT/AREA
1R	1.205	1	1.5000E-01	4.5071E-08
2S	2.203	1	2.0000E-02	3.3791E-09

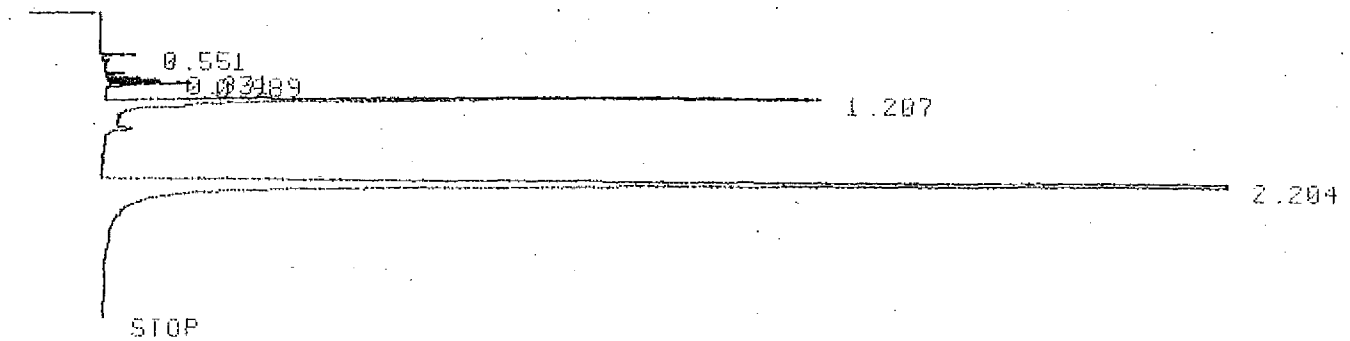
CAL#	NAME
1	ETHANOL
2	N-PROPANOL

CALIBRATION OPTIONS

RF of uncalibrated peaks 0.0000E+00
Calibration fit P
Disable post-run RT update . . NO
ISTD peak # 2
ISTD AMT 2.0000E-02
SAMPLE AMT 0.0000E+00
MUL FACTOR 1.0000E+00

0.026g/210L - Batch 1

* RUN # 6 MAY 13, 2010 08:11:24
START



12375

RUN# 6 MAY 13, 2010 08:11:24

METHOD NAME: M*ALC.MET

ISTD-AREA	RT	AREA	TYPE	CAL#	AMOUNT
	.931	39525	PU		.000
	.989	54975	UB		.000
	1.207	553406	PS	1R	.025
	2.204	5973162	SP	2S	

STOP

RUN# 6 MAY 13, 2010 08:11:24

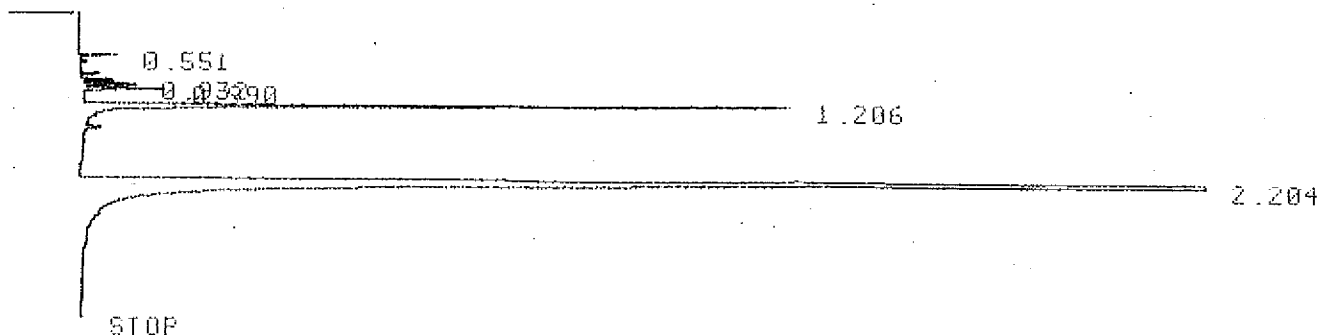
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.931	39525	PV		.000
.989	54975	VB		.000
1.207	553405	PB	1R	.025
2.204	5973162	SPB	2S	

TOTAL AREA=6621066
 MUL FACTOR=1.0000E+00
 ISTD AMT=2.0000E-02

* RUN # 7 MAY 13, 2010 08:17:31
 START



RUN# 7 MAY 13, 2010 08:17:31

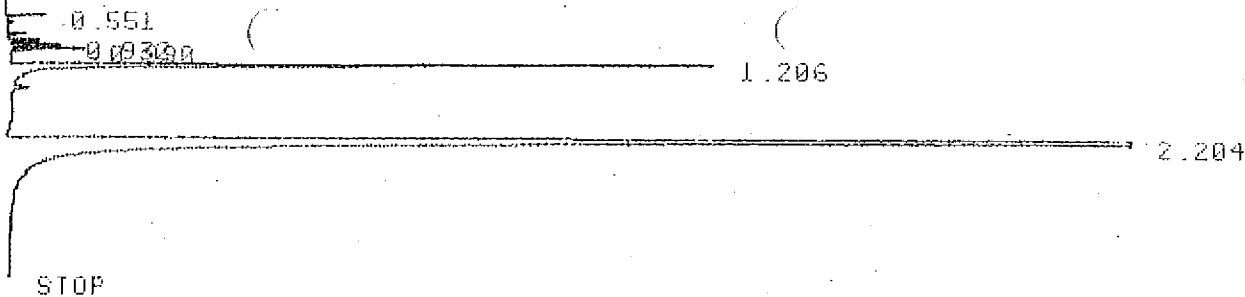
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	38918	VV		.000
.990	53149	VB		.000
1.206	550045	PB	1R	.024
2.204	6000515	SPB	2S	

TOTAL AREA=6722627
 MUL FACTOR=1.0000E+00
 ISTD AMT=2.0000E-02

* RUN # 8 MAY 13, 2010 08:23:33



12376

RUN# 8 MAY 13, 2010 08:23:33

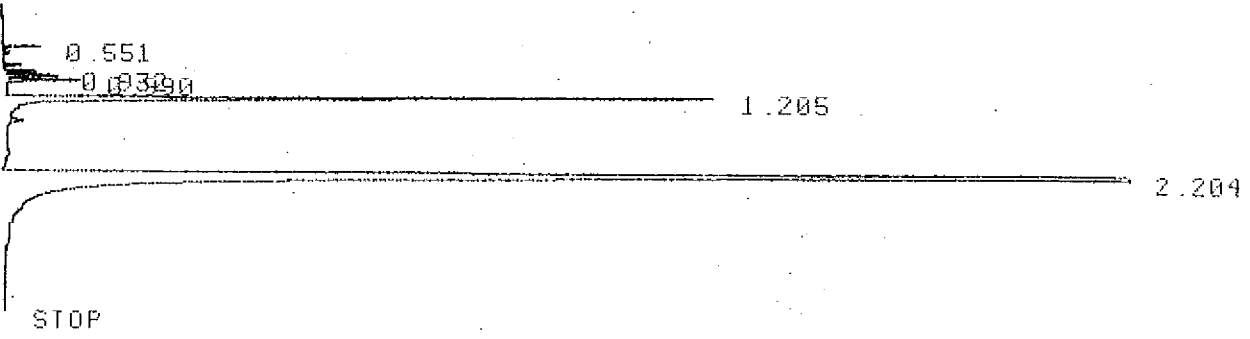
METHOD NAME: M*ALC.MET

RT	AREA	TYPE	CAL#	AMOUNT
.932	36794	UU		.000
.990	48201	UB		.000
1.206	541656	PB	1R	.024
2.204	6074189	SBB	2S	

TOTAL AREA=6700838
 MUL FACTOR=1.0000E+00
 ISTD AMT=2.0000E-02

0.020 g/210L Batch 2

* RUN # 9 MAY 13, 2010 08:29:35
 START



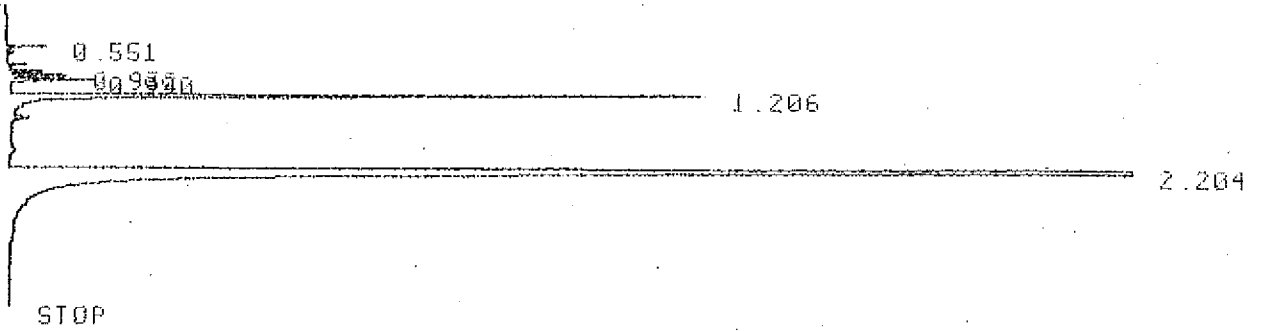
RUN# 9 MAY 13, 2010 08:29:35

METHOD NAME: M*ALC.MET

RT	AREA	TYPE	CAL#	AMOUNT
.932	36996	UU		.000
.990	49496	UB		.000
1.205	544163	PB	1R	.024
2.204	6116339	SPB	2S	

TOTAL AREA=6746995
 MUL FACTOR=1.0000E+00
 ISTD AMT=2.0000E-02

* RUN # 10 M. 13, 2010 08:35:36
START



RUN# 10 MAY 13, 2010 08:35:36

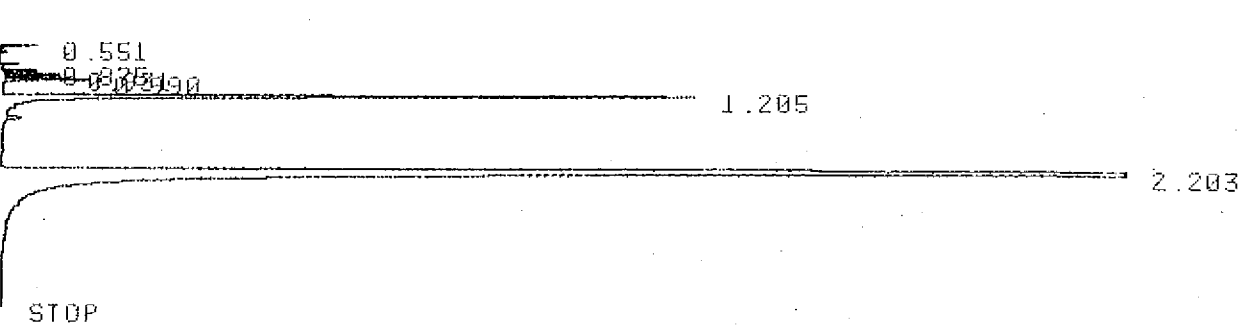
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	40199	UU		.000
.990	54104	UB		.000
1.206	546142	PB	1R	.024
2.204	5992883	SPB	2S	

TOTAL AREA=6633328
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

* RUN # 11 MAY 13, 2010 08:41:19
START



RUN# 11 MAY 13, 2010 08:41:19

METHOD NAME: M*ALC.MET

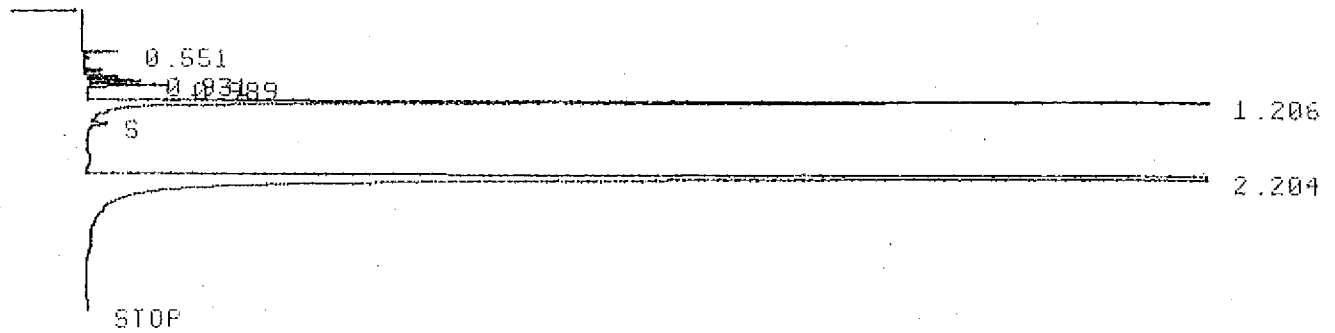
ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.875	21479	BU		.000
.931	41778	UU		.000
.990	55719	UB		.000
1.205	542840	PB	1R	.024
2.203	6027178	SBB	2S	

12377

0.040g/210L

* RUN # 12 MAY 13, 2010 08:47:34
START



RUN# 12 MAY 13, 2010 08:47:34

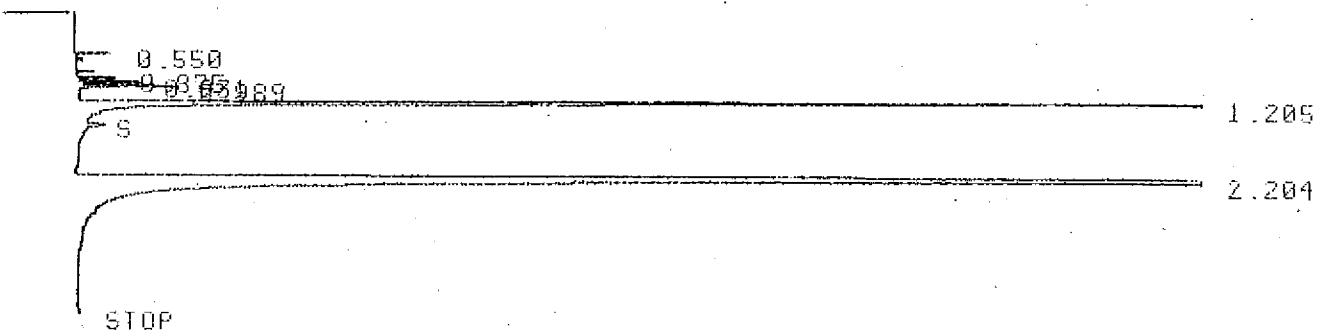
METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.931	39516	UU		.000
.989	53103	UB		.000
1.206	1145006	SPB	1R	.051
2.204	6021731	SPB	2S	

TOTAL AREA=7259357
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

* RUN # 13 MAY 13, 2010 08:53:43
START



RUN# 13 MAY 13, 2010 08:53:43

METHOD NAME: M*ALC.MET

ISTD-AREA

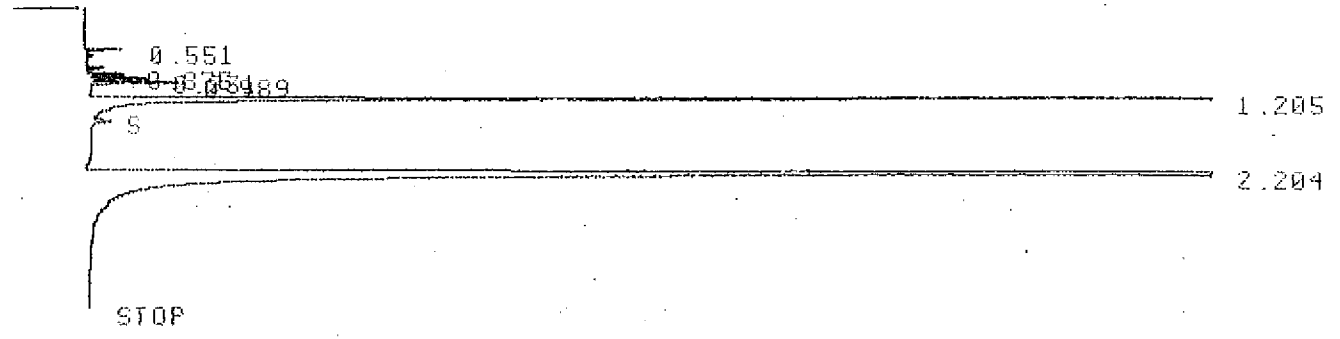
RT	AREA	TYPE	CAL#	AMOUNT
.875	23313	BU		.000

1.205 1150496 SPB 1R .051
2.204 6064234 SPB 2S

TOTAL AREA=7344230
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

12379

* RUN # 14 MAY 13, 2010 08:59:40
START



RUN# 14 MAY 13, 2010 08:59:40

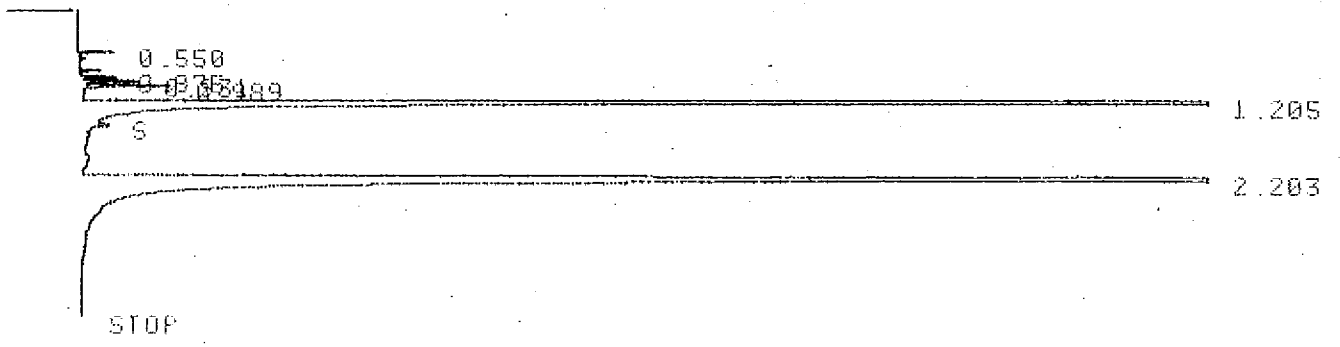
METHOD NAME: N*ALC.MET

RT	AREA	TYPE	CAL#	AMOUNT
.875	22370	BU		.000
.931	42407	UU		.000
.989	57937	UB		.000
1.205	1178958	SPB	1R	.051
2.204	6214778	SPB	2S	

TOTAL AREA=7516448
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

0.160g/210L

* RUN # 15 MAY 13, 2010 09:05:41
START



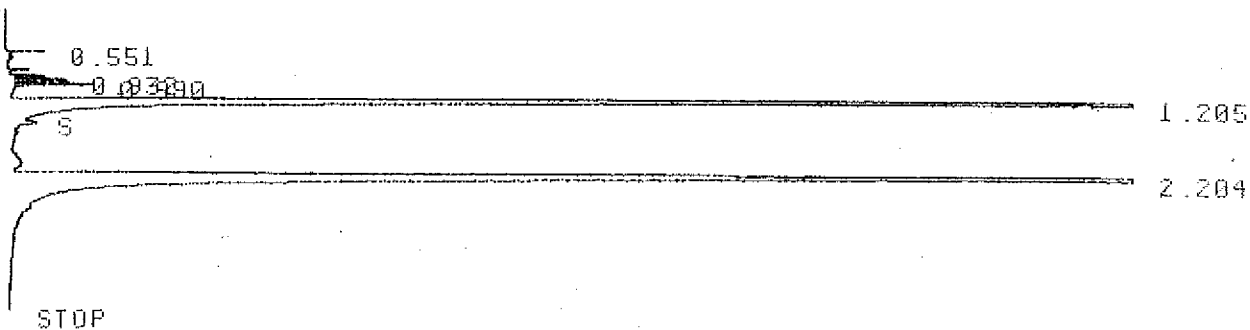
RUN# 15 MAY 13, 2010 09:05:41

ISTD-AREA

RT	AREA	ZPE	CAL#	AMOUNT
.875	21838	UU		.000
.931	41450	UU		.000
.989	56163	UB		.000
1.205	4431494	SBB	1R	.191
2.203	6196618	SPB	2S	

TOTAL AREA=1.0748E+07
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

* RUN # 16 MAY 13, 2010 09:14:30
START



RUN# 16 MAY 13, 2010 09:14:30

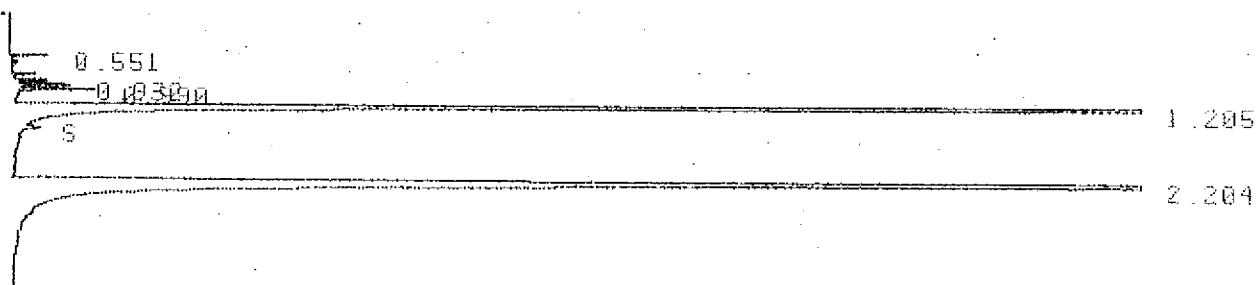
METHOD NAME: M*ALC.NET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	41584	UU		.000
.990	54795	UB		.000
1.205	4587722	SBB	1R	.192
2.204	6360794	SPB	2S	

TOTAL AREA=1.1045E+07
MUL FACTOR=1.0000E+00
ISTD AMT=2.0000E-02

* RUN # 17 MAY 13, 2010 09:20:56
START



RUN# 17 (3Y 13, 2010 09:20:56

METHOD NAME: M*ALC.MET

ISTD-AREA

RT	AREA	TYPE	CAL#	AMOUNT
.932	41946	UU		.000
.990	53866	UB		.000
1.205	4354429	SPB	1R	.192
2.204	6035258	SPB	2S	

TOTAL AREA=1.0485E+07

MUL FACTOR=1.0000E+00

ISTD AMT=2.0000E-02

*

12381



OFFICE OF THE CHIEF MEDICAL EXAMINER

DATE: 5/13/10
Alcohol Test Solutions

NAME: _____

CASE: _____

-0.020g/210L (target concentration 0.024g/dL)

Batch-1 0.025

0.024

AVE 0.024g/dL

0.024

Batch-2 0.024

0.024

AVE 0.024g/dL

0.024

-0.04g/210L (target concentration 0.048g/dL)

0.051

0.051

AVE 0.051g/dL

0.051

-0.16g/210L (target concentration 0.192g/dL)

0.191

0.192

AVE 0.192g/dL

0.192

32