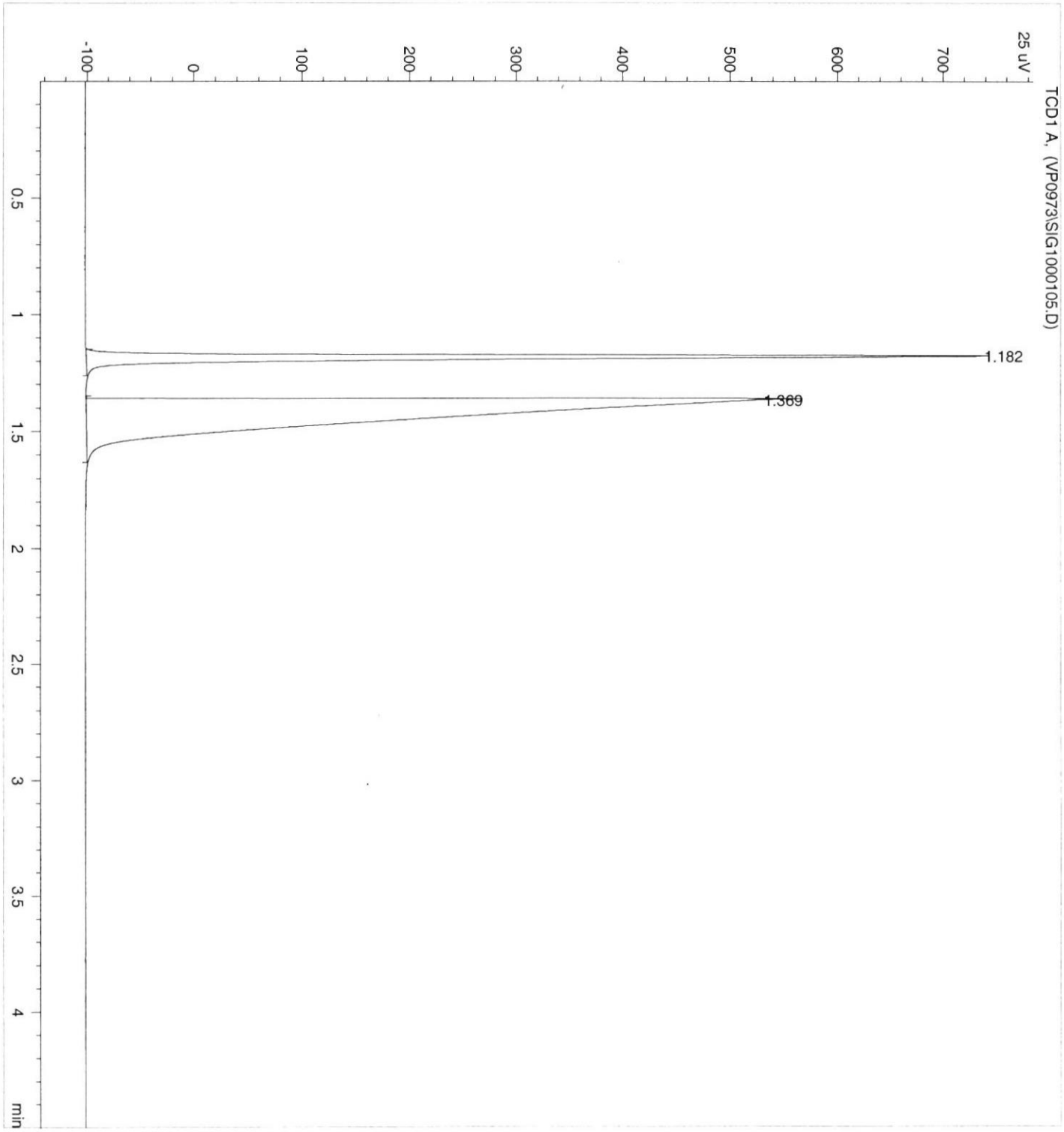
Data File C:\CHEM32\2\DATA\VP0973\SIG1000105.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 7:52:43 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000105.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 7:52:43 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.040		-	-	-		Hydrogen

Totals : 4552.90088

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [25 uV*s]	Area %	Name
1	1.040		0.0000	0.00000	0.00000	Hydrogen

Totals : 0.00000 0.0000

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000105.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 7:52:43 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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Calibration Curves

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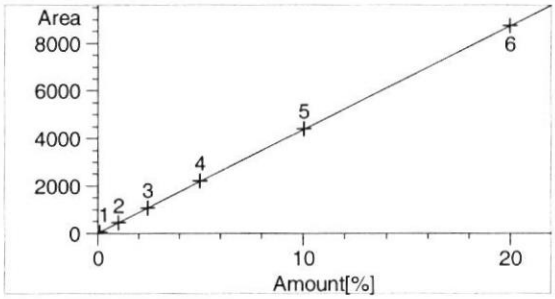

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000106.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 7:58:18 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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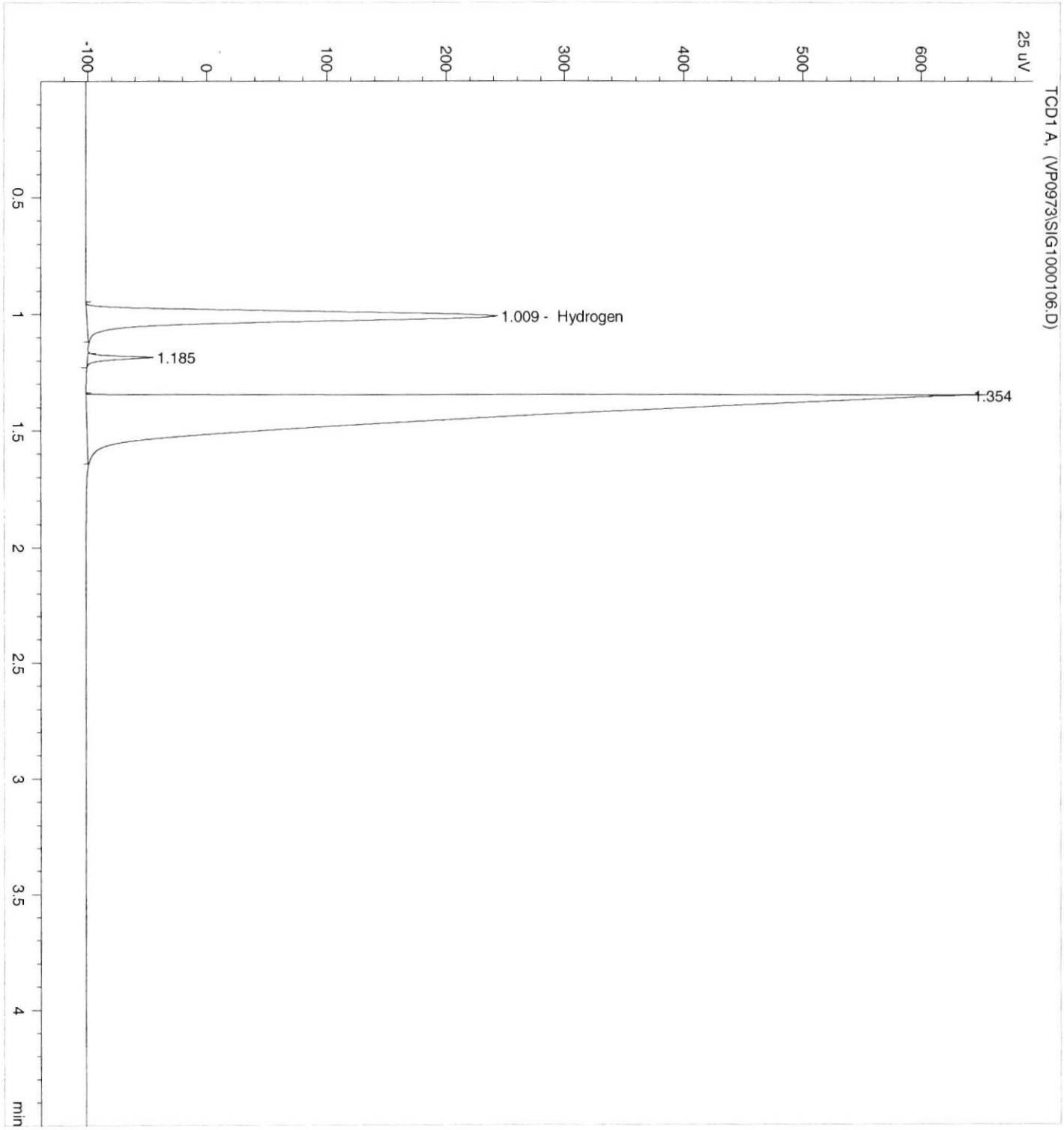

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000106.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 7:58:18 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.009	BB	1027.33398	2.26474e-3	2.32664		Hydrogen

Totals : 4305.09410

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Calibration Curves

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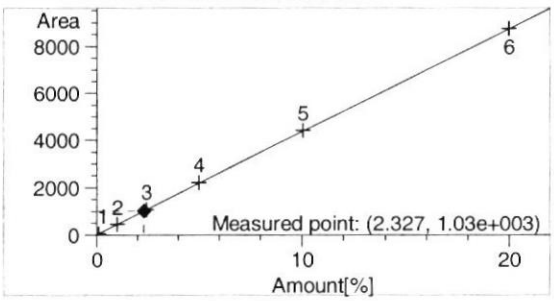

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000107.D
Sample Name: H2 QC Std 9.98% Linw lot# 706224 (1172)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:04:21 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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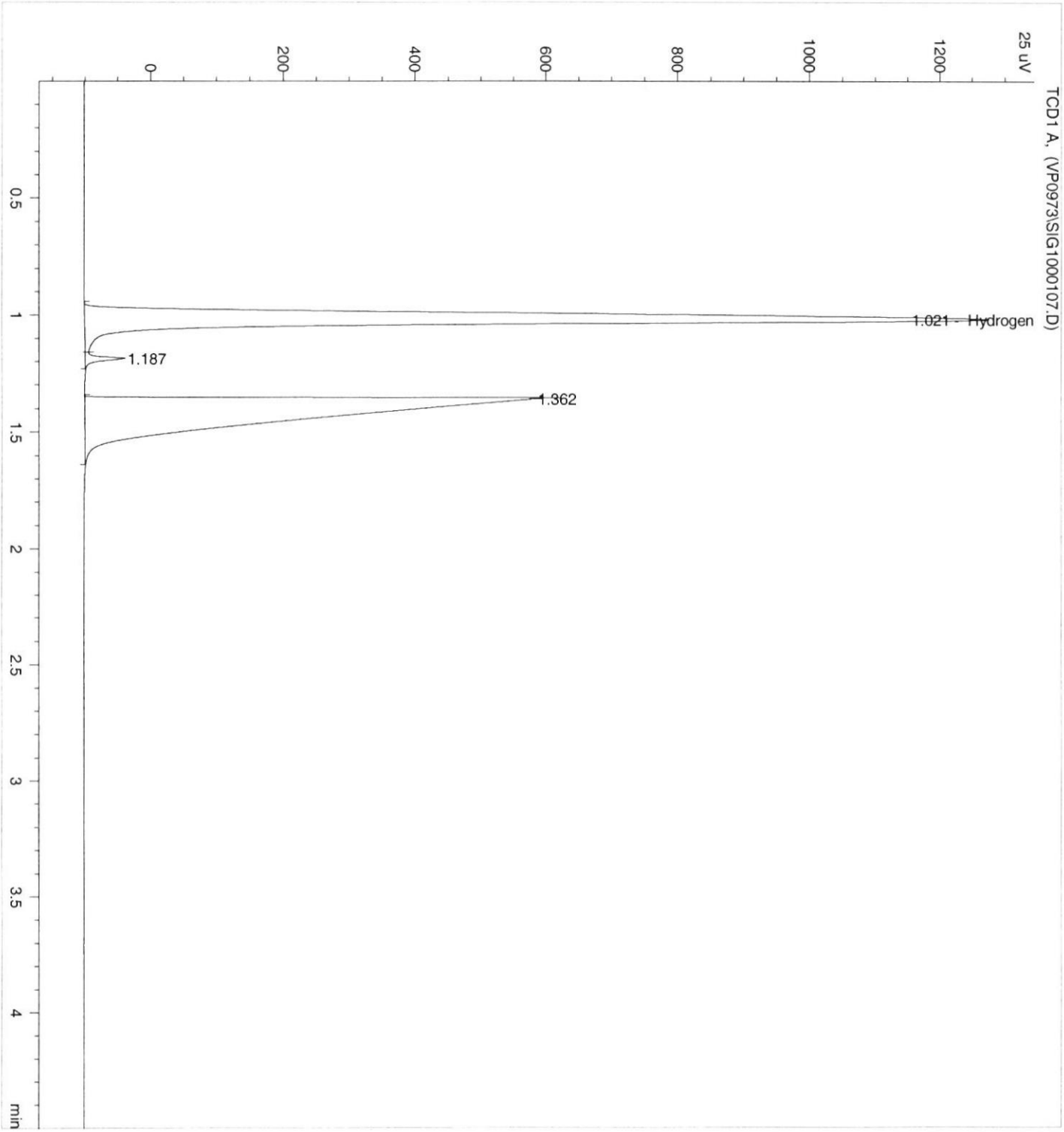

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000107.D
Sample Name: H2 QC Std 9.98% Linw lot# 706224 (1172)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:04:21 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.021	BV	4171.73242	2.27897e-3	9.50724		Hydrogen

Totals : 4015.22852

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Calibration Curves

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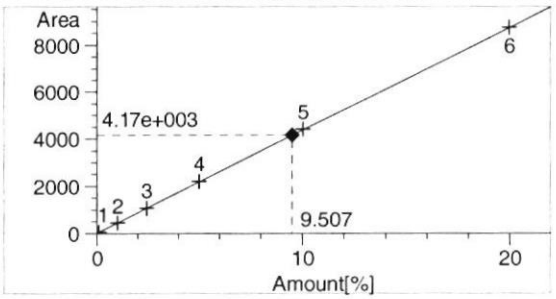

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000108.D
Sample Name: Laboratory Air Blank

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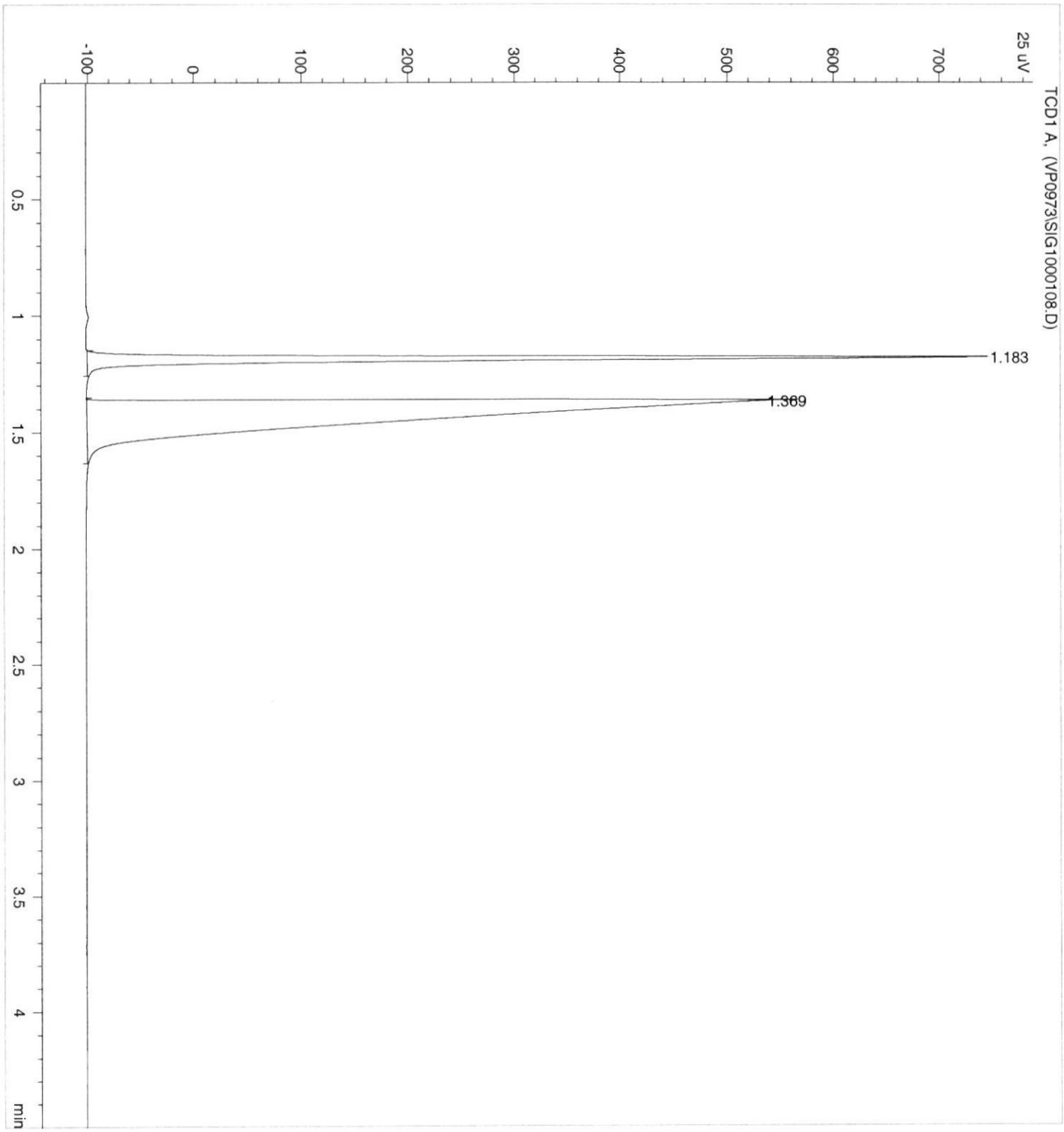
Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:10:07 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000108.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:10:07 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.040		-	-	-		Hydrogen

Totals : 4541.27808

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [25 uV*s]	Area %	Name
1	1.040		0.0000	0.00000	0.00000	Hydrogen

Totals : 0.00000 0.0000

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000108.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:10:07 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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Calibration Curves

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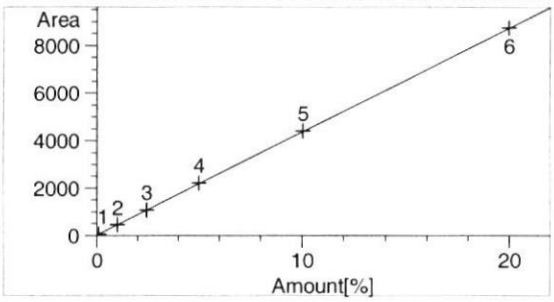


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

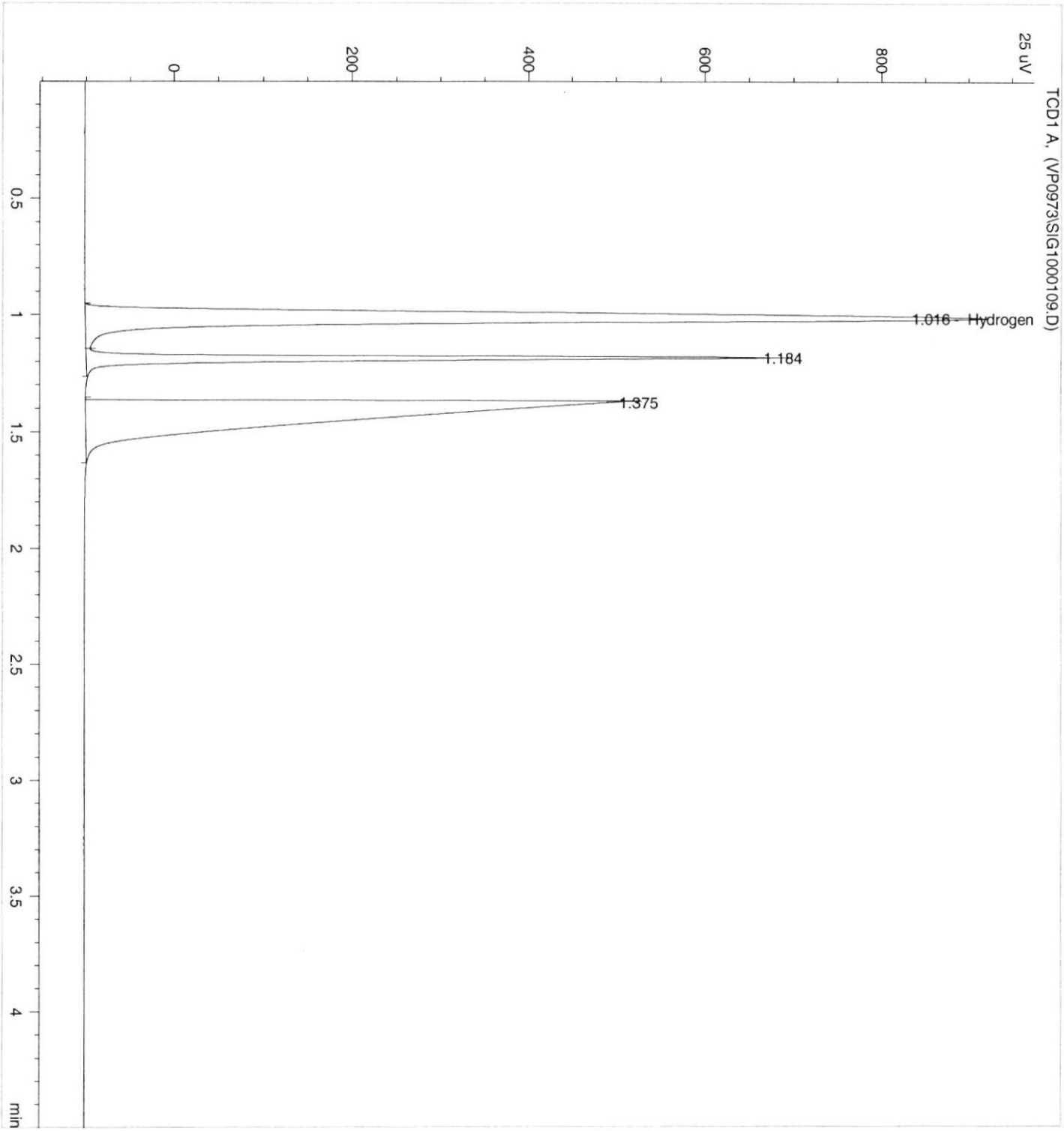
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000109.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:18:53 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000109.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:18:53 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.016	BV	2975.27075	2.27710e-3	6.77498		Hydrogen

Totals : 4266.89925

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Calibration Curves

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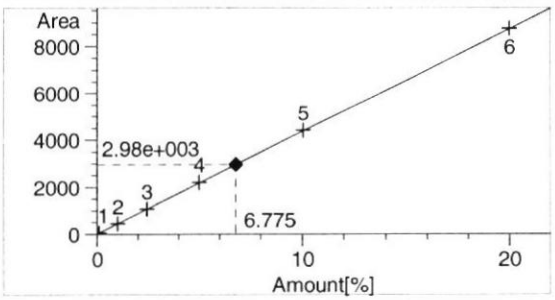

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000110.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:24:48 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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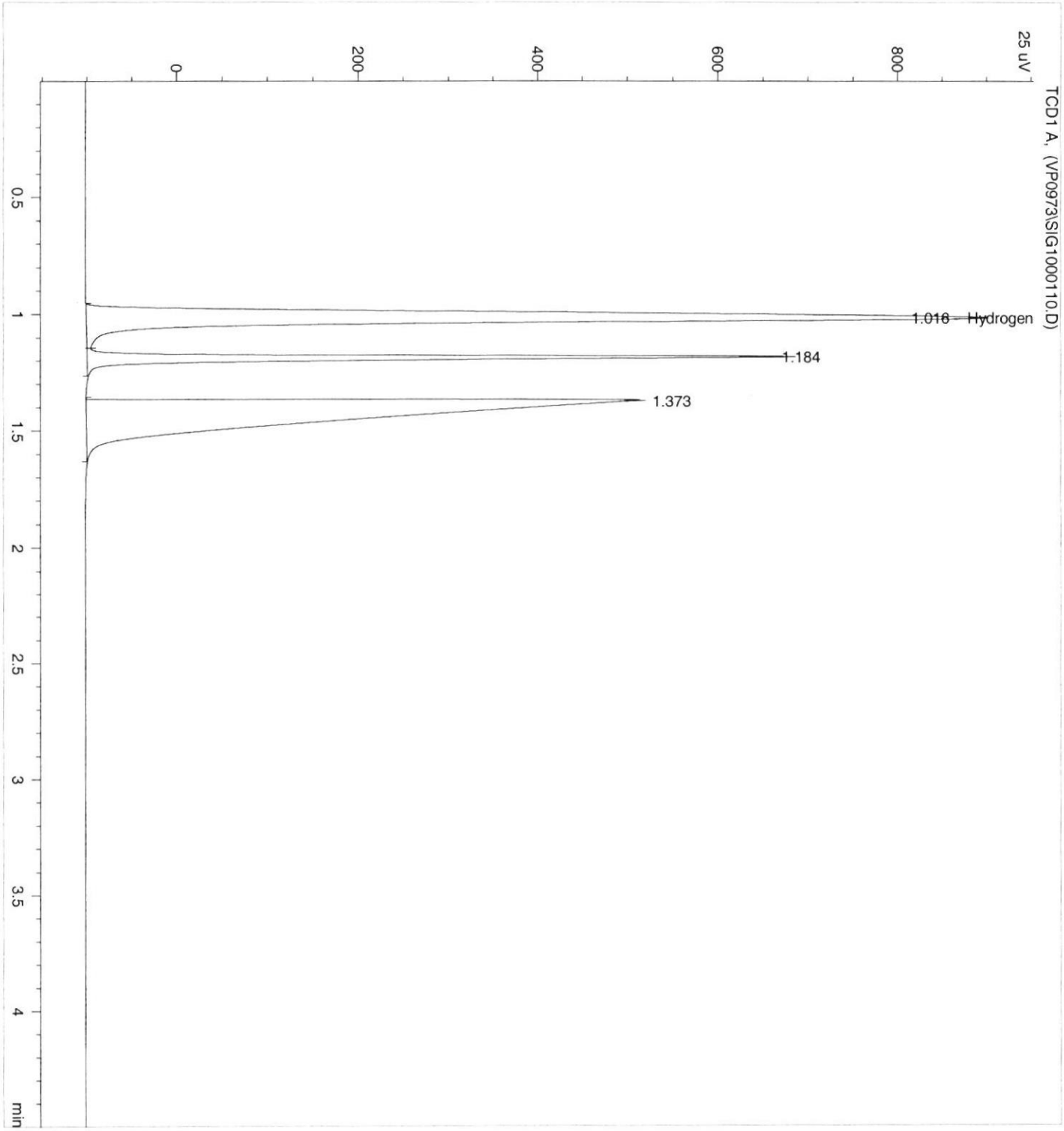

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000110.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:24:48 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.016	BV	2916.90576	2.27697e-3	6.64170		Hydrogen

Totals : 4303.61350

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Calibration Curves

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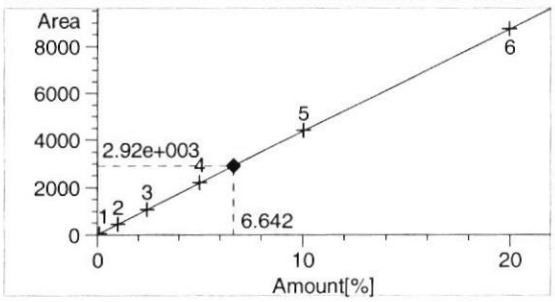

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000111.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:32:48 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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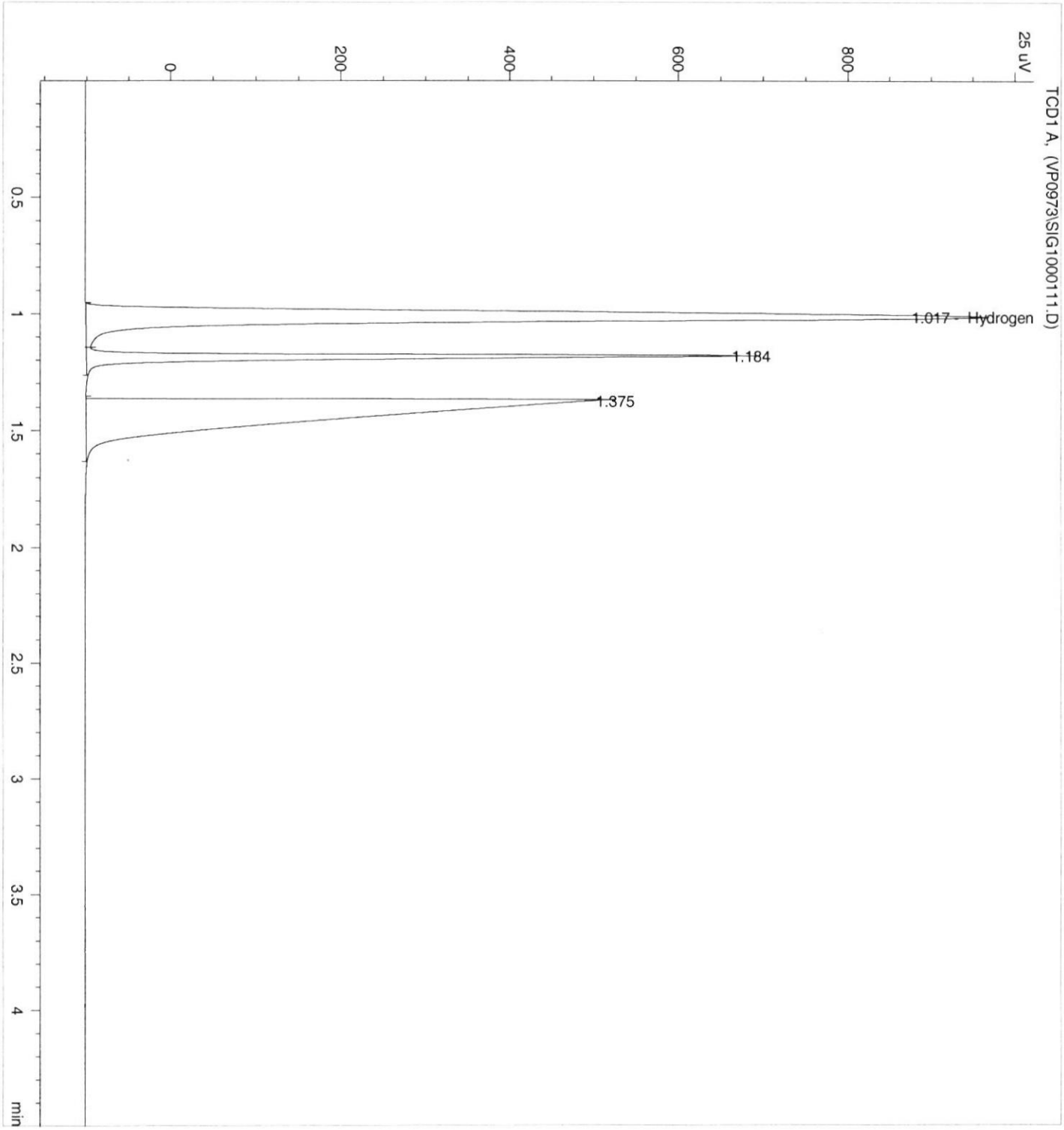

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000111.D
Sample Name: NE 30178-5 N.5 test @ 10X overnite R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 8:32:48 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.017	BV	3113.33325	2.27739e-3	7.09026		Hydrogen

Totals : 4268.76983

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Calibration Curves

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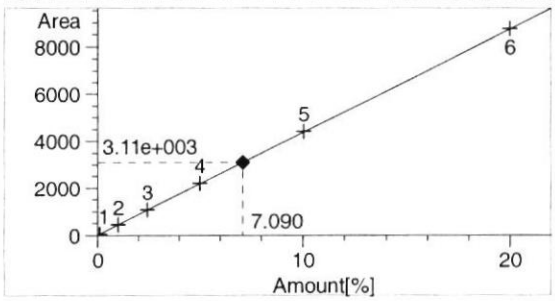

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000112.D
Sample Name: NE 30177-2 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:03:44 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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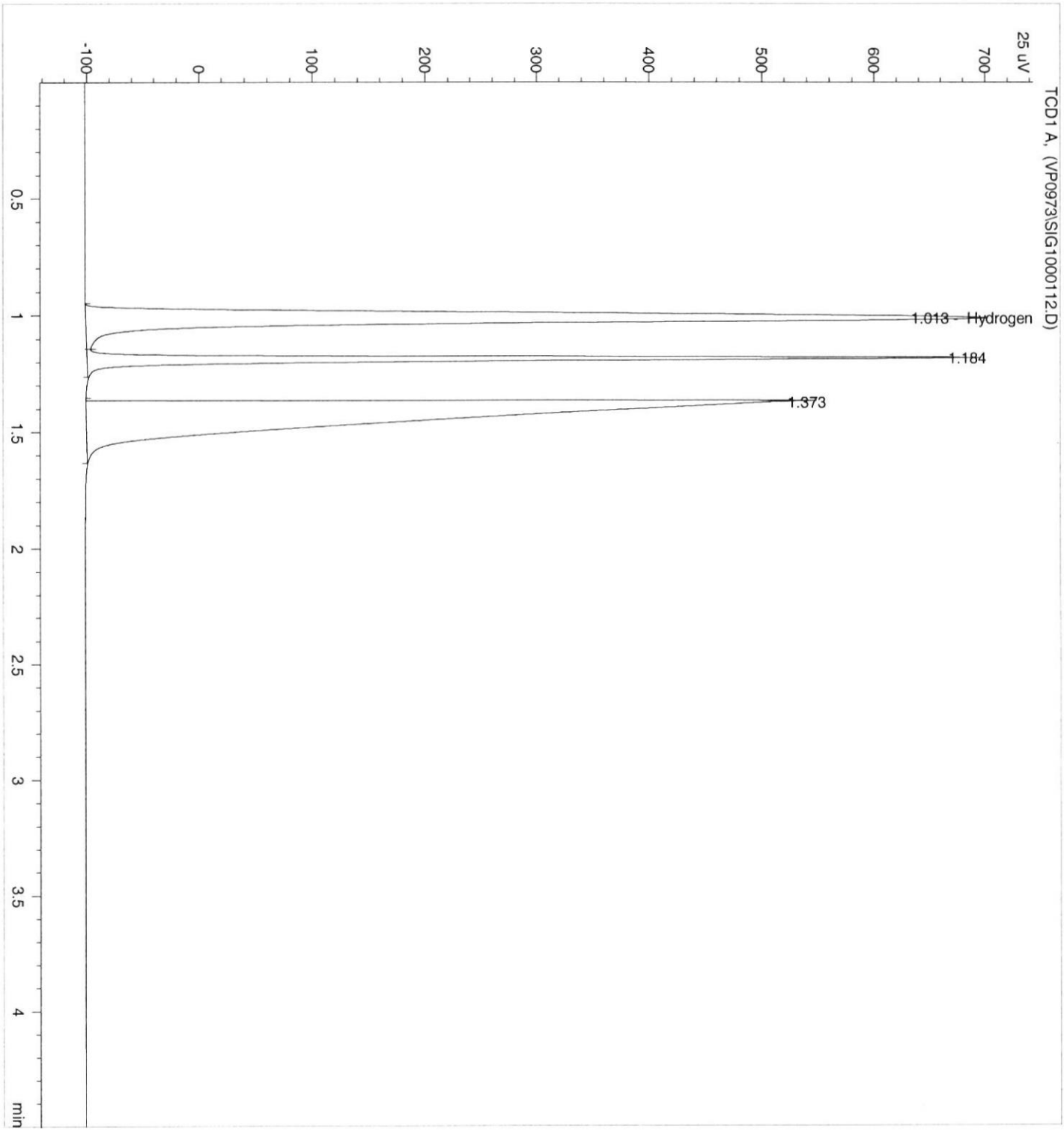

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000112.D
Sample Name: NE 30177-2 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:03:44 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.013	BV	2335.32520	2.27531e-3	5.31359		Hydrogen

Totals : 4334.92333

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Calibration Curves

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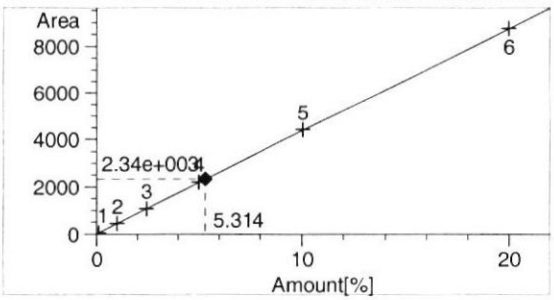


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

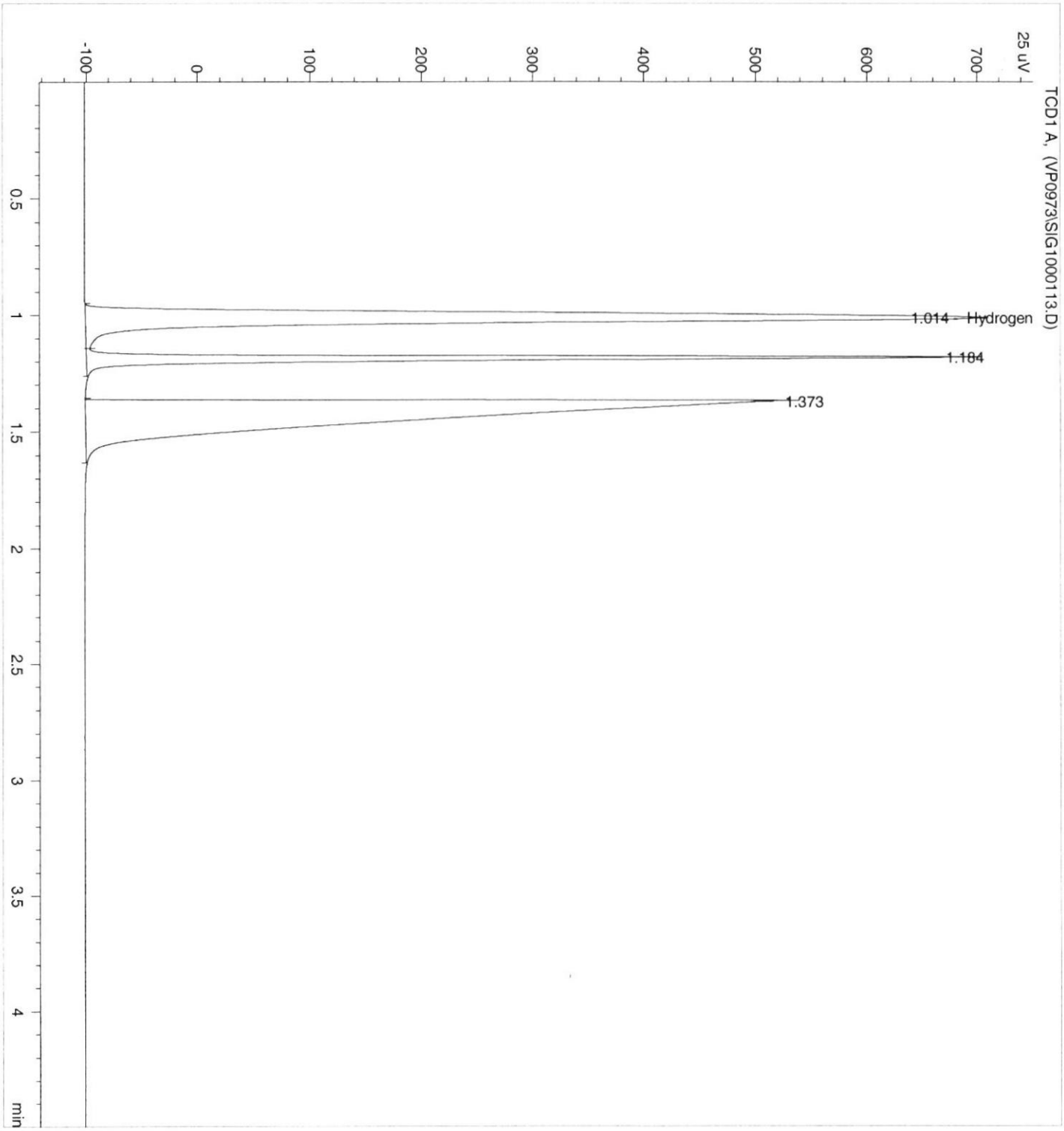
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000113.D
Sample Name: NE 30177-2 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:15:11 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000113.D
Sample Name: NE 30177-2 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:15:11 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.014	BV	2363.22900	2.27541e-3	5.37731		Hydrogen

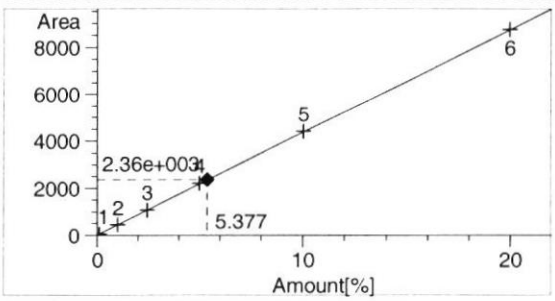
Totals : 4320.01245

==========

==========

Calibration Curves

==========



Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

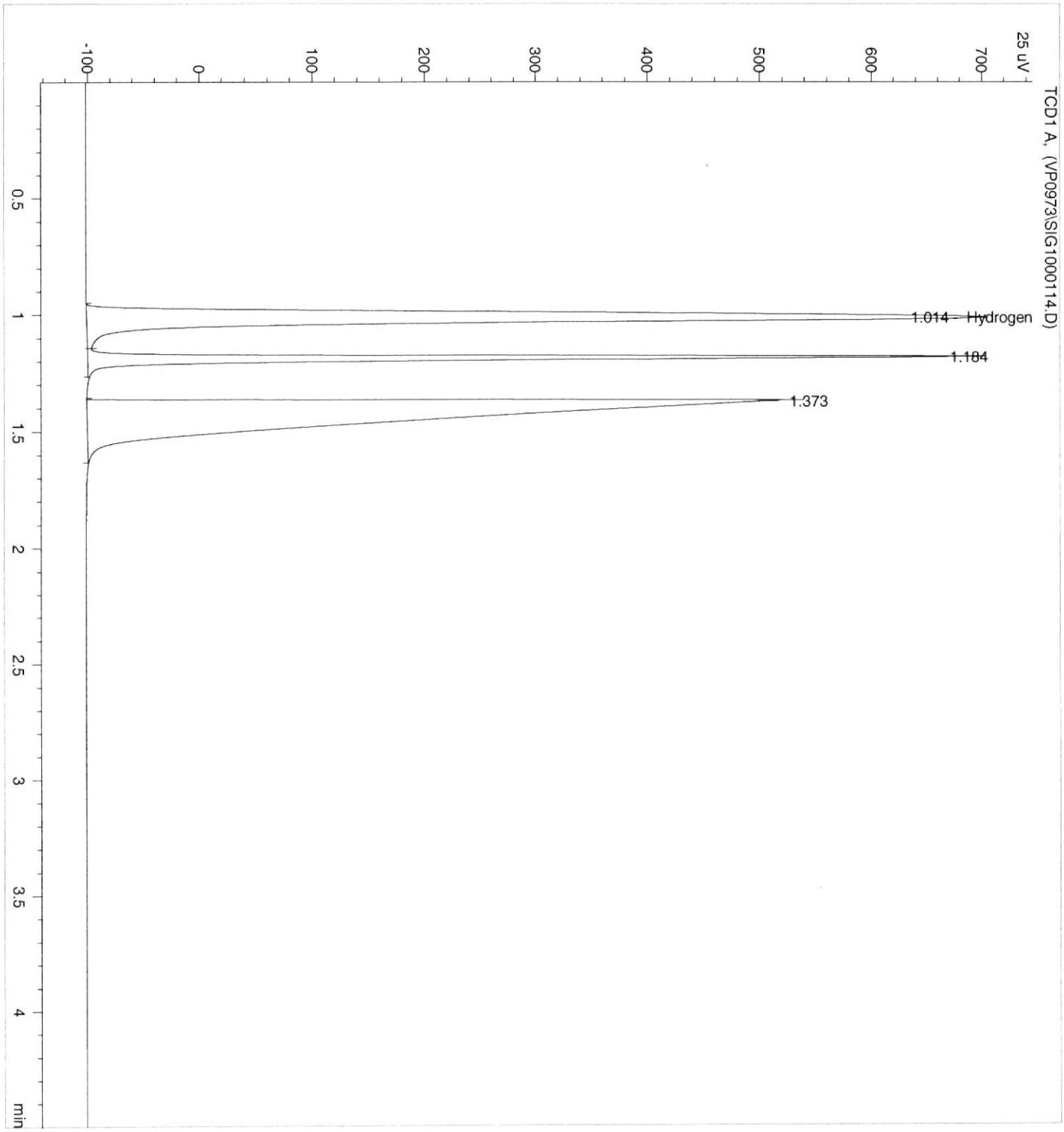
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000114.D
Sample Name: NE 30177-2 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:21:39 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000114.D
Sample Name: NE 30177-2 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:21:39 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.014	BV	2349.00098	2.27536e-3	5.34482		Hydrogen

Totals : 4334.13071

==========

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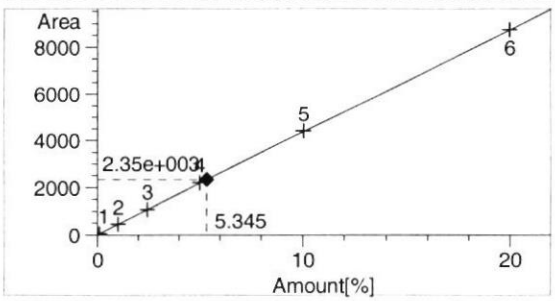
Calibration Curves

==========



Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

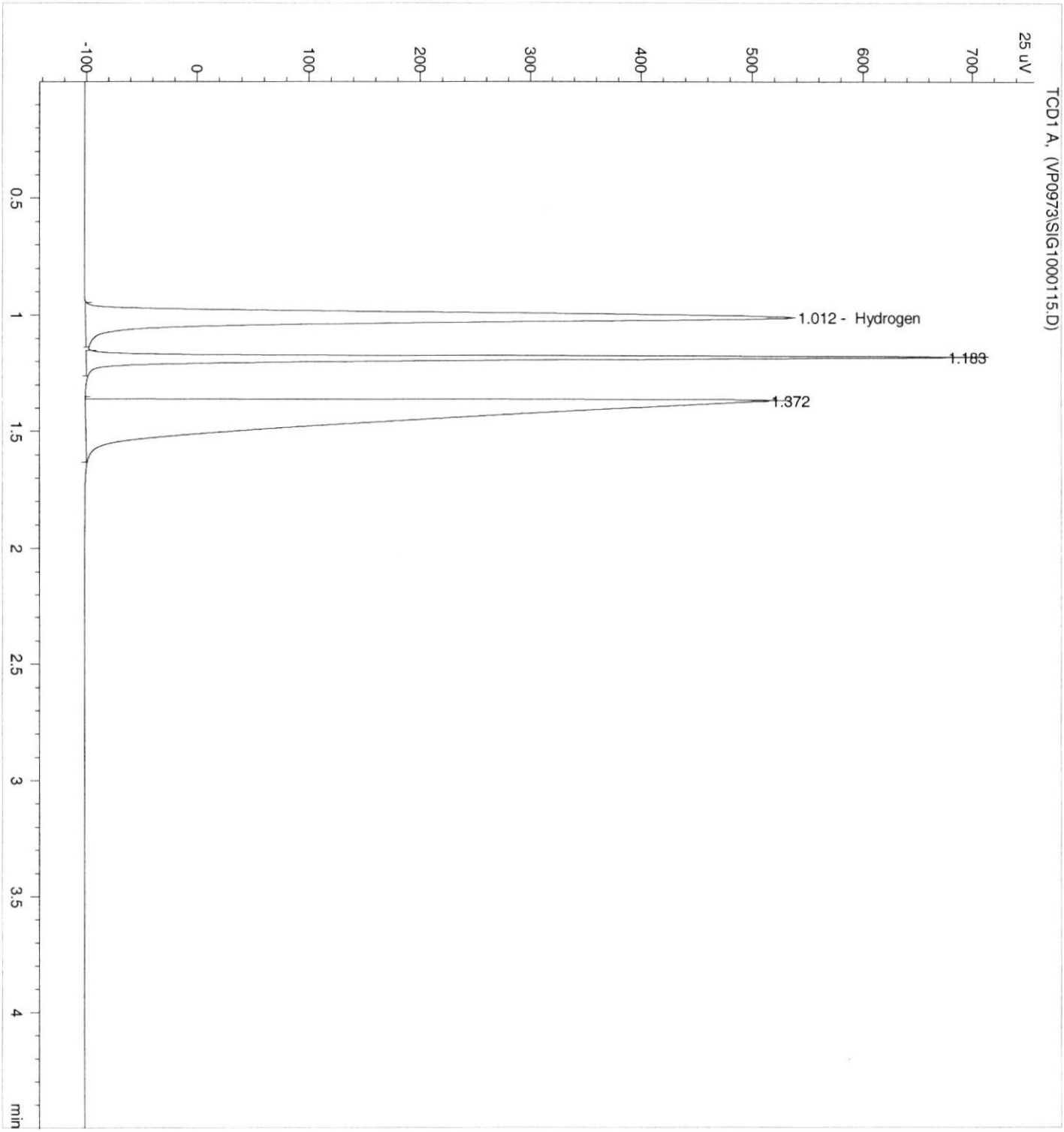
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000115.D
Sample Name: NE 30177-3 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:59:19 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000115.D
Sample Name: NE 30177-3 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 10:59:19 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.012	BB	1869.78967	2.27324e-3	4.25049		Hydrogen

Totals : 4405.11890

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Calibration Curves

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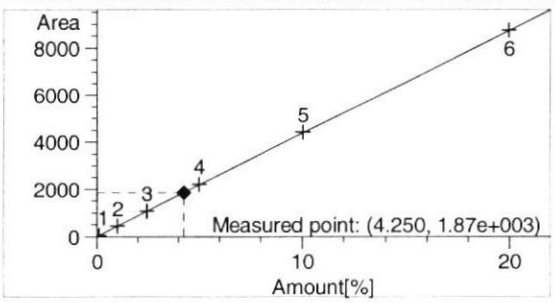


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

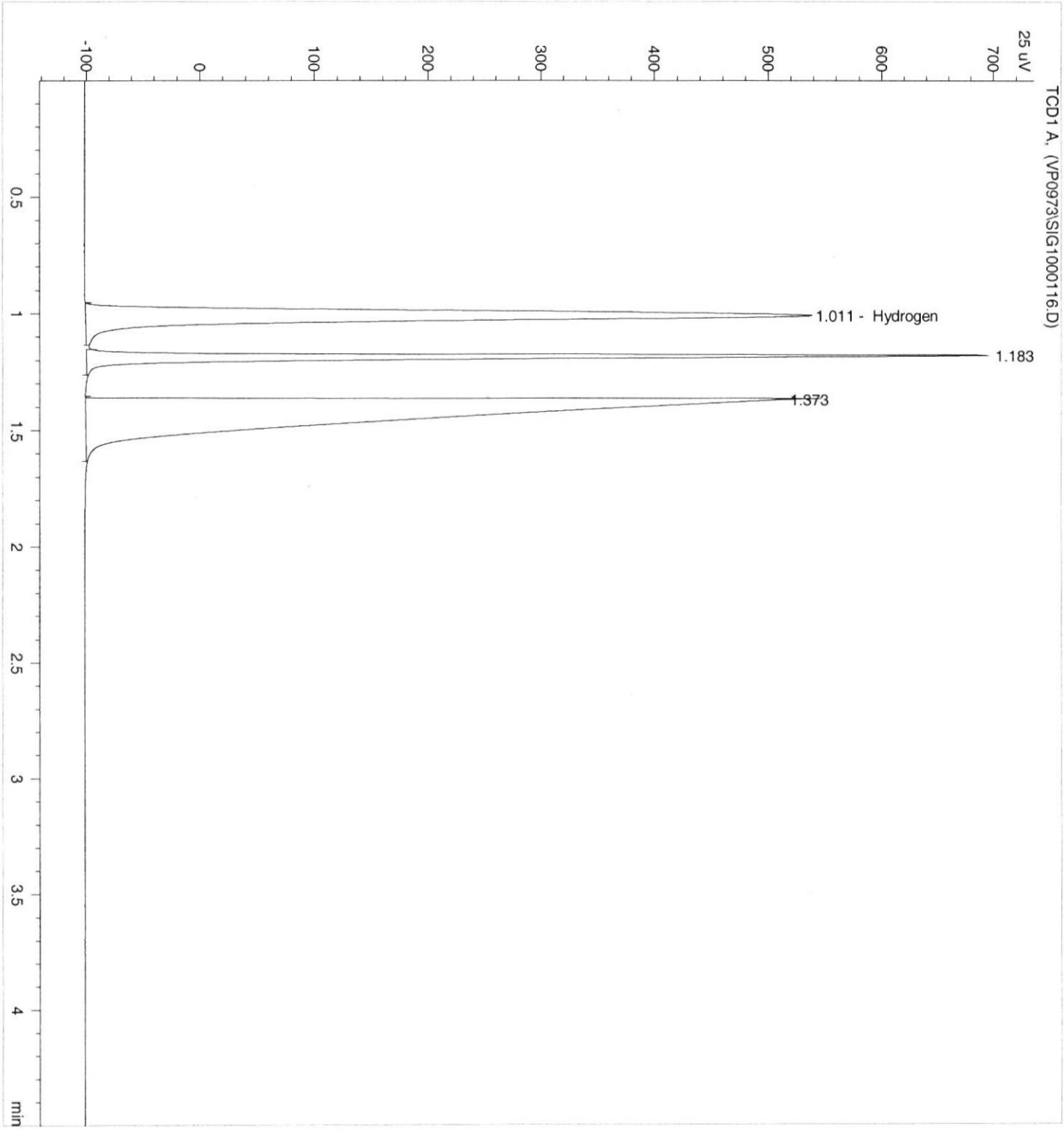
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000116.D
Sample Name: NE 30177-3 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:07:21 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000116.D
Sample Name: NE 30177-3 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:07:21 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.011	BB	1855.69849	2.27317e-3	4.21831		Hydrogen

Totals : 4363.03362

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Calibration Curves

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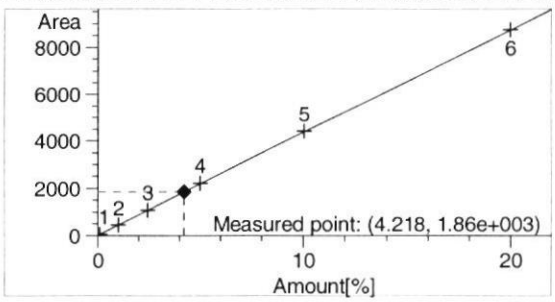


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

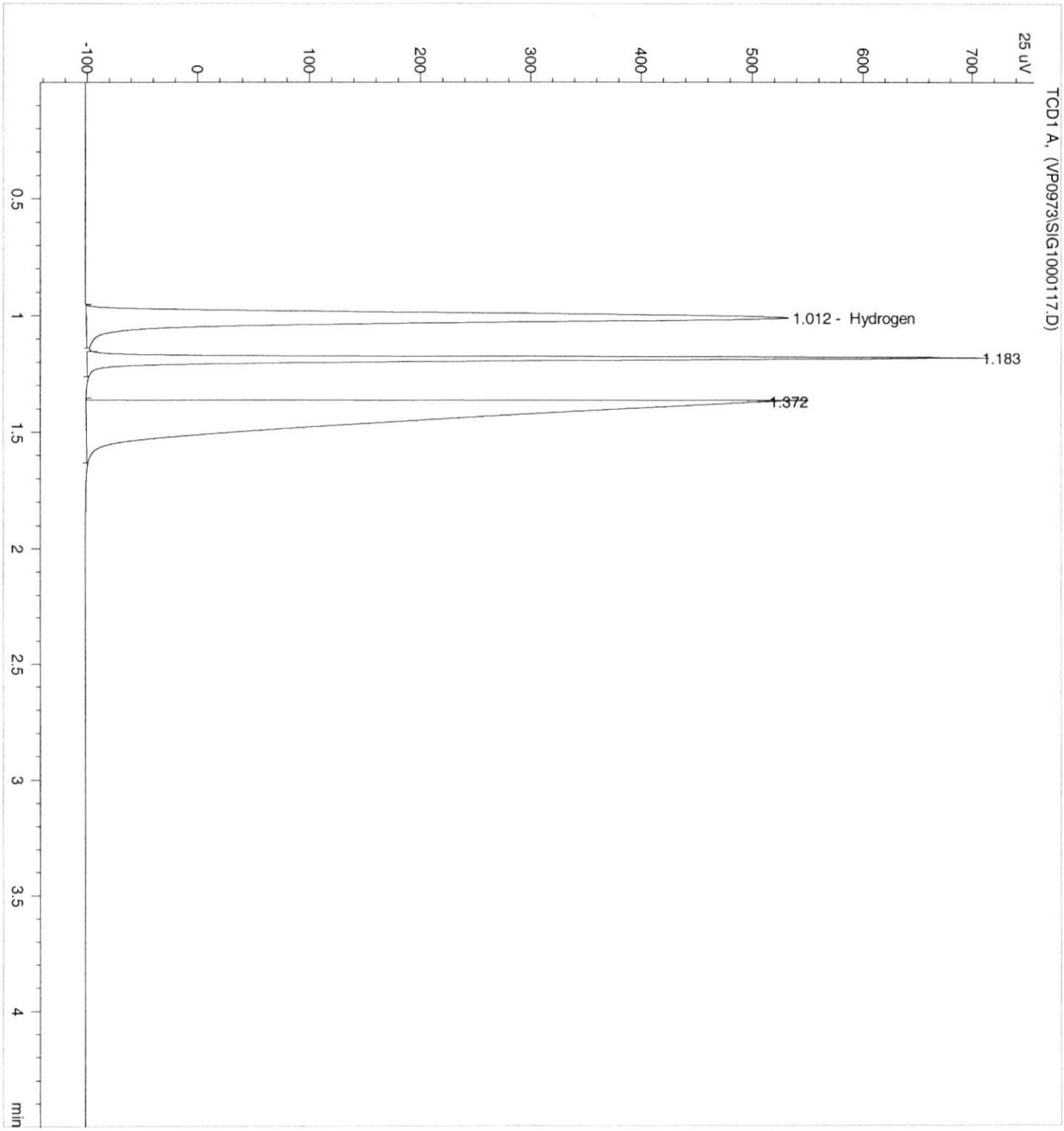
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000117.D
Sample Name: NE 30177-3 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:13:34 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000117.D
Sample Name: NE 30177-3 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:13:34 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.012	BB	1839.49194	2.27307e-3	4.18130		Hydrogen

Totals : 4372.87271

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Calibration Curves

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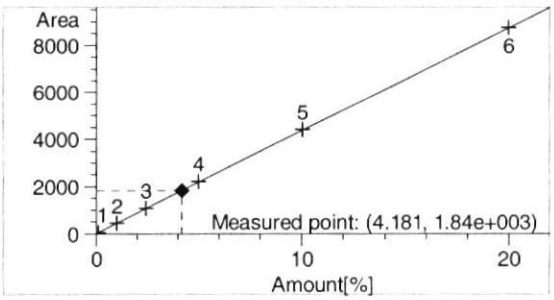


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

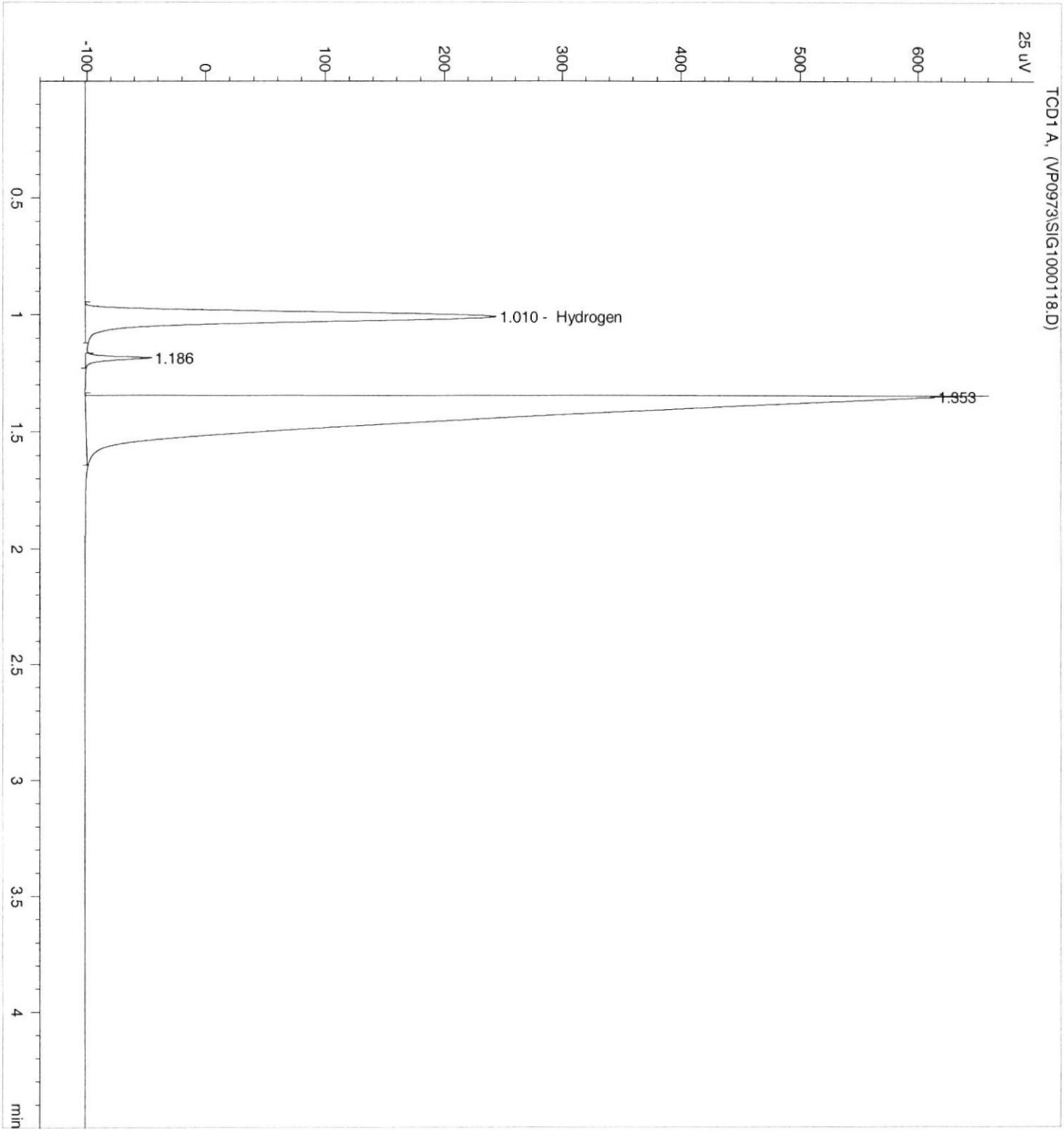
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000118.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:19:31 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000118.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:19:31 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.010	BB	1039.27405	2.26496e-3	2.35391		Hydrogen

Totals : 4335.33079

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Calibration Curves

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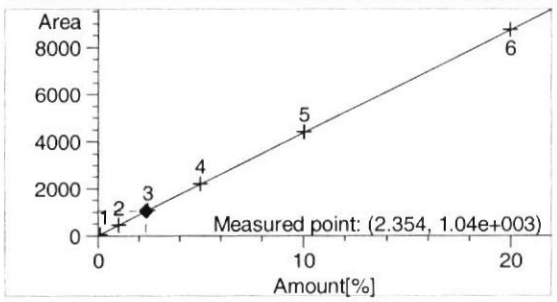


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

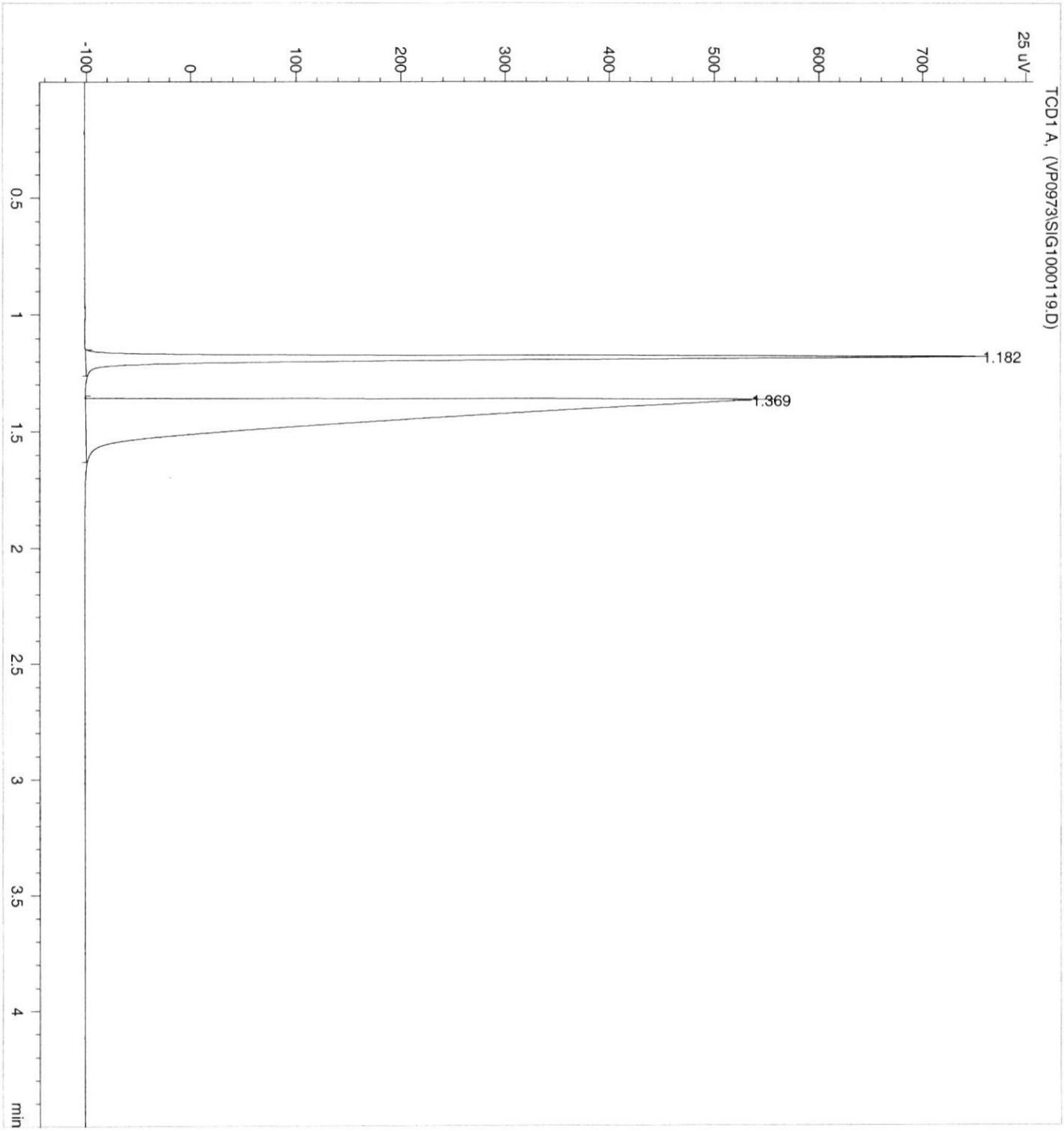
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000119.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:25:27 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000119.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:25:27 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.040		-	-	-		Hydrogen

Totals : 4585.27234

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [25 uV*s]	Area %	Name
1	1.040		0.0000	0.00000	0.00000	Hydrogen

Totals : 0.00000 0.0000

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000119.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:25:27 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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Calibration Curves

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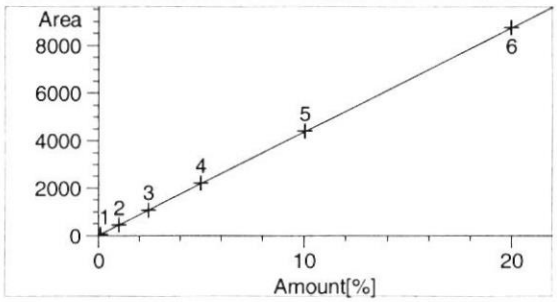


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

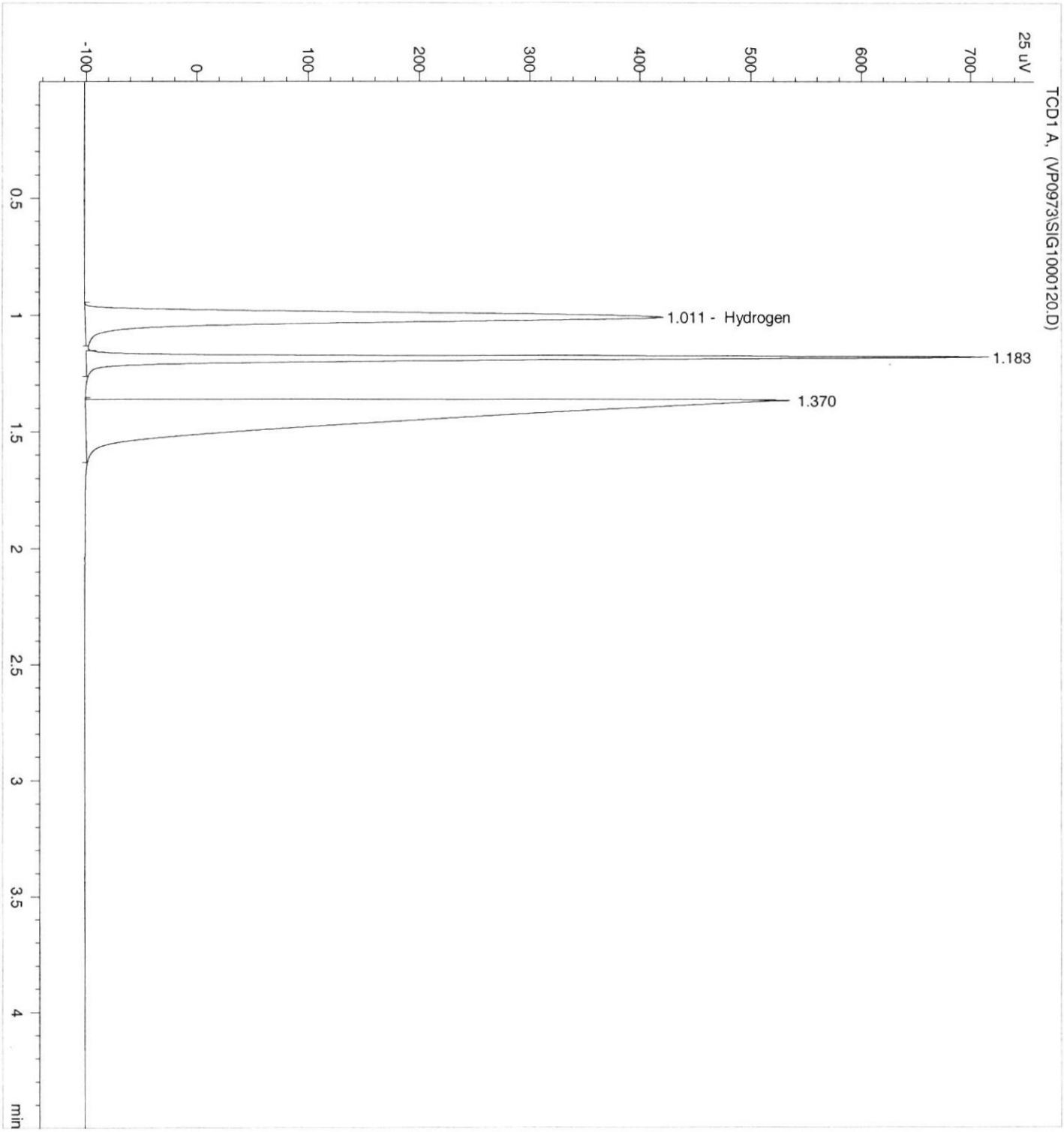
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000120.D
Sample Name: NE 30180-4 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:51:58 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000120.D
Sample Name: NE 30180-4 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:51:58 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.011	BB	1516.07263	2.27082e-3	3.44273		Hydrogen

Totals : 4435.55687

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Calibration Curves

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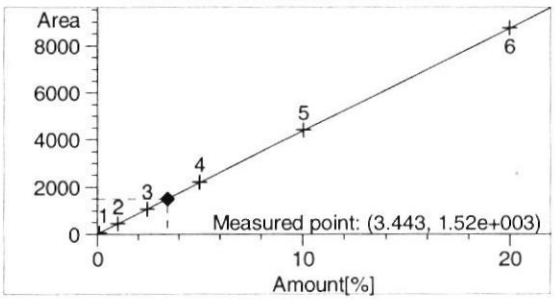


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

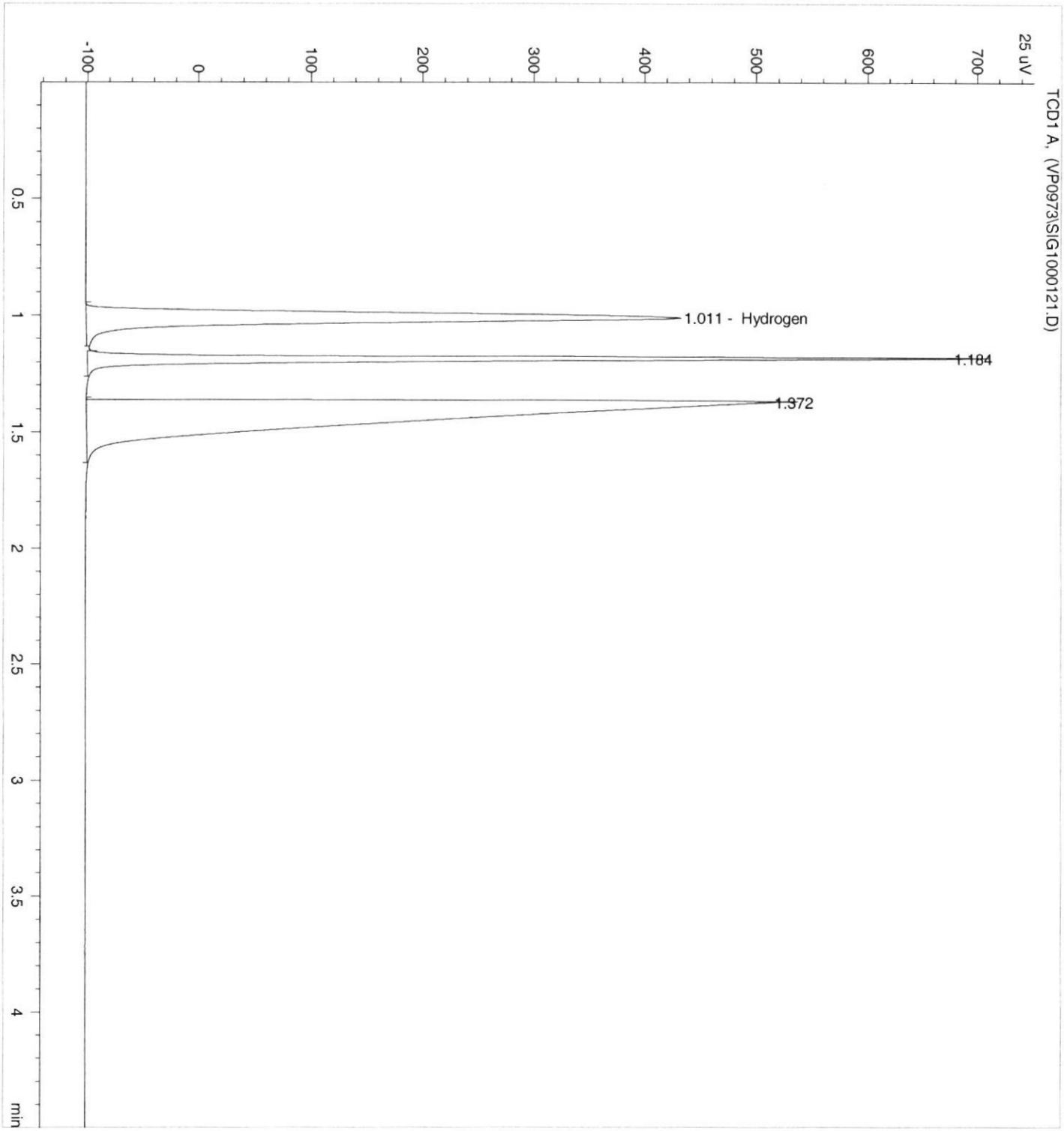
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000121.D
Sample Name: NE 30180-4 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:57:52 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000121.D
Sample Name: NE 30180-4 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 11:57:52 AM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.011	BB	1547.74695	2.27109e-3	3.51507		Hydrogen

Totals : 4428.55218

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Calibration Curves

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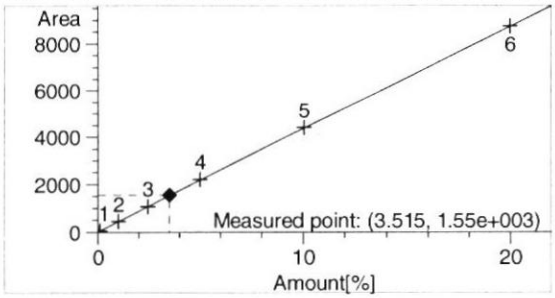


Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

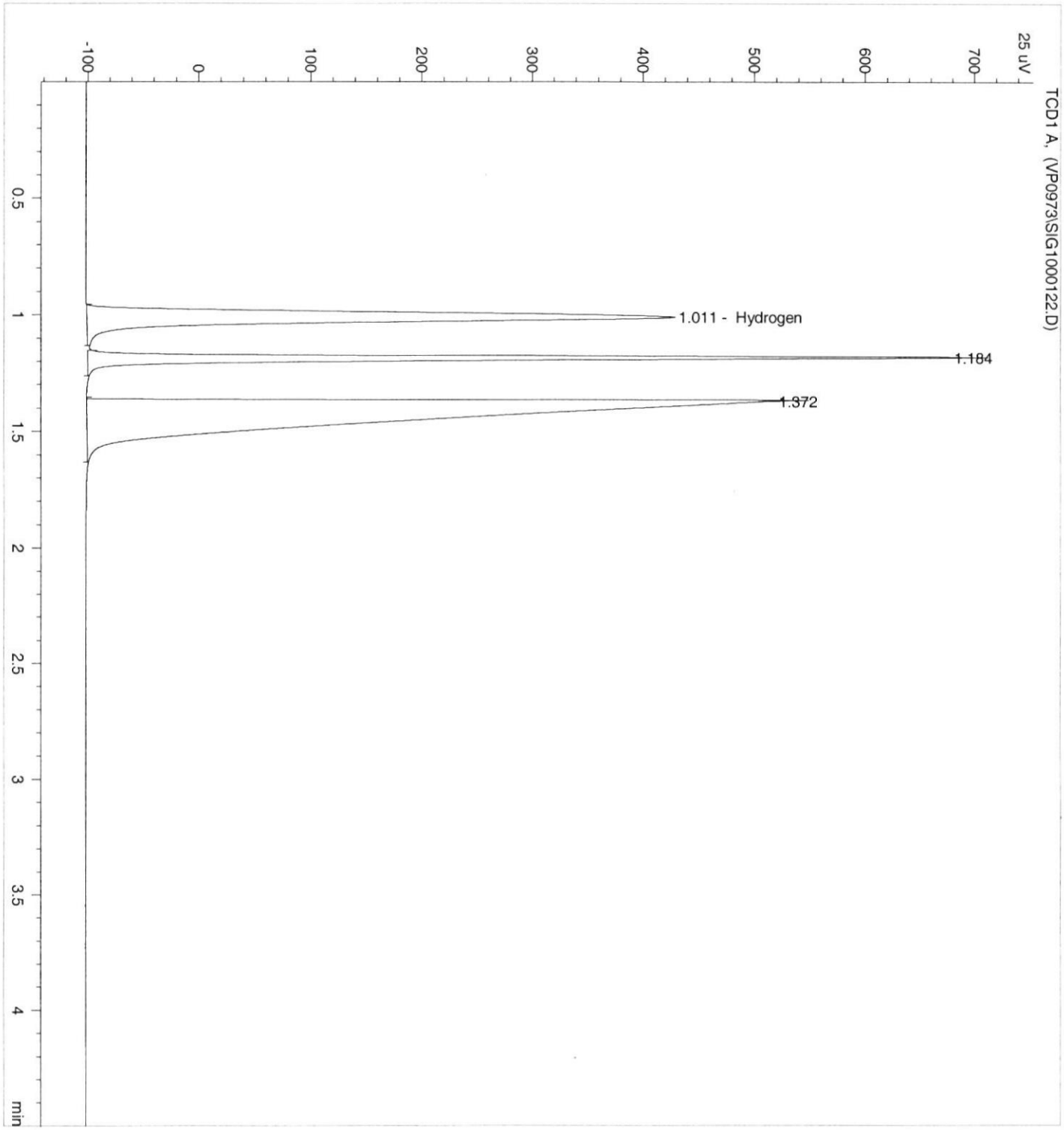
RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000122.D
Sample Name: NE 30180-4 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:03:42 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

==========



RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000122.D
Sample Name: NE 30180-4 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:03:42 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.011	BB	1536.20593	2.27099e-3	3.48871		Hydrogen

Totals : 4382.57782

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Calibration Curves

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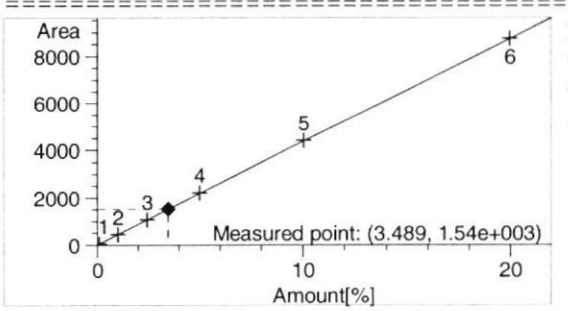

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000123.D
Sample Name: NE 30180-5 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:52:31 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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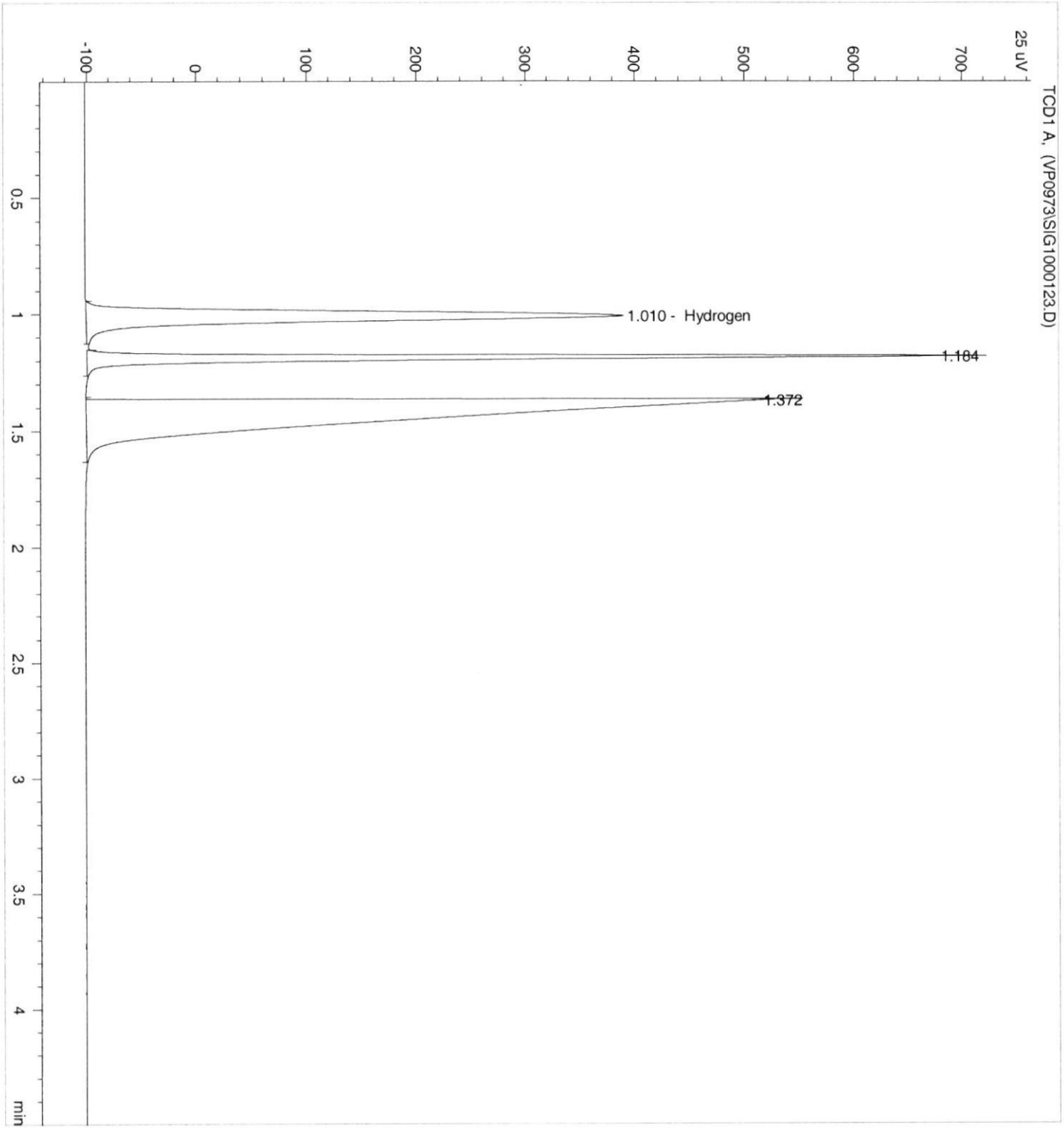

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000123.D
Sample Name: NE 30180-5 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:52:31 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.010	BB	1436.09900	2.27011e-3	3.26011		Hydrogen

Totals : 4394.74387

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Calibration Curves

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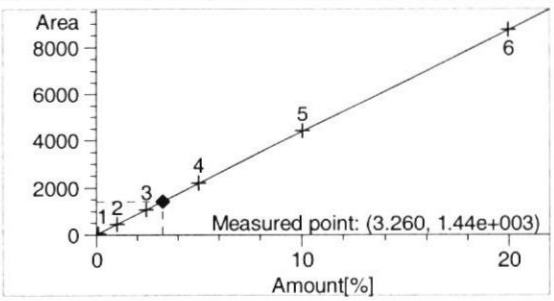

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000124.D
Sample Name: NE 30180-5 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:58:28 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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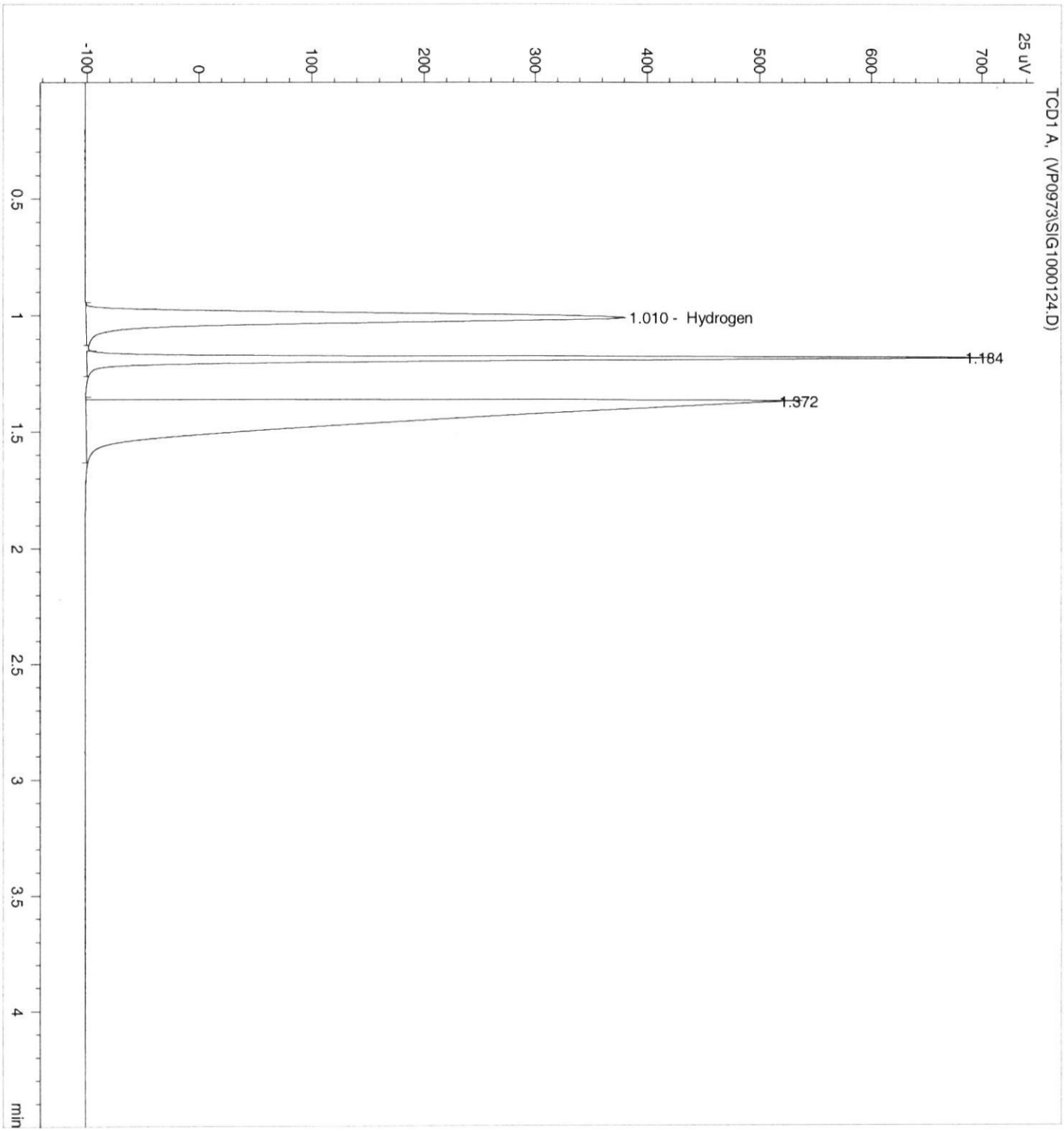

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000124.D
Sample Name: NE 30180-5 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 12:58:28 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.010	BB	1399.29443	2.26976e-3	3.17606		Hydrogen

Totals : 4435.94779

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Calibration Curves

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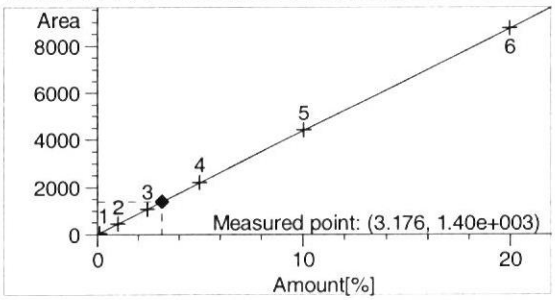

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000125.D
Sample Name: NE 30180-5 N.5 test @ 10X R3

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Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:04:24 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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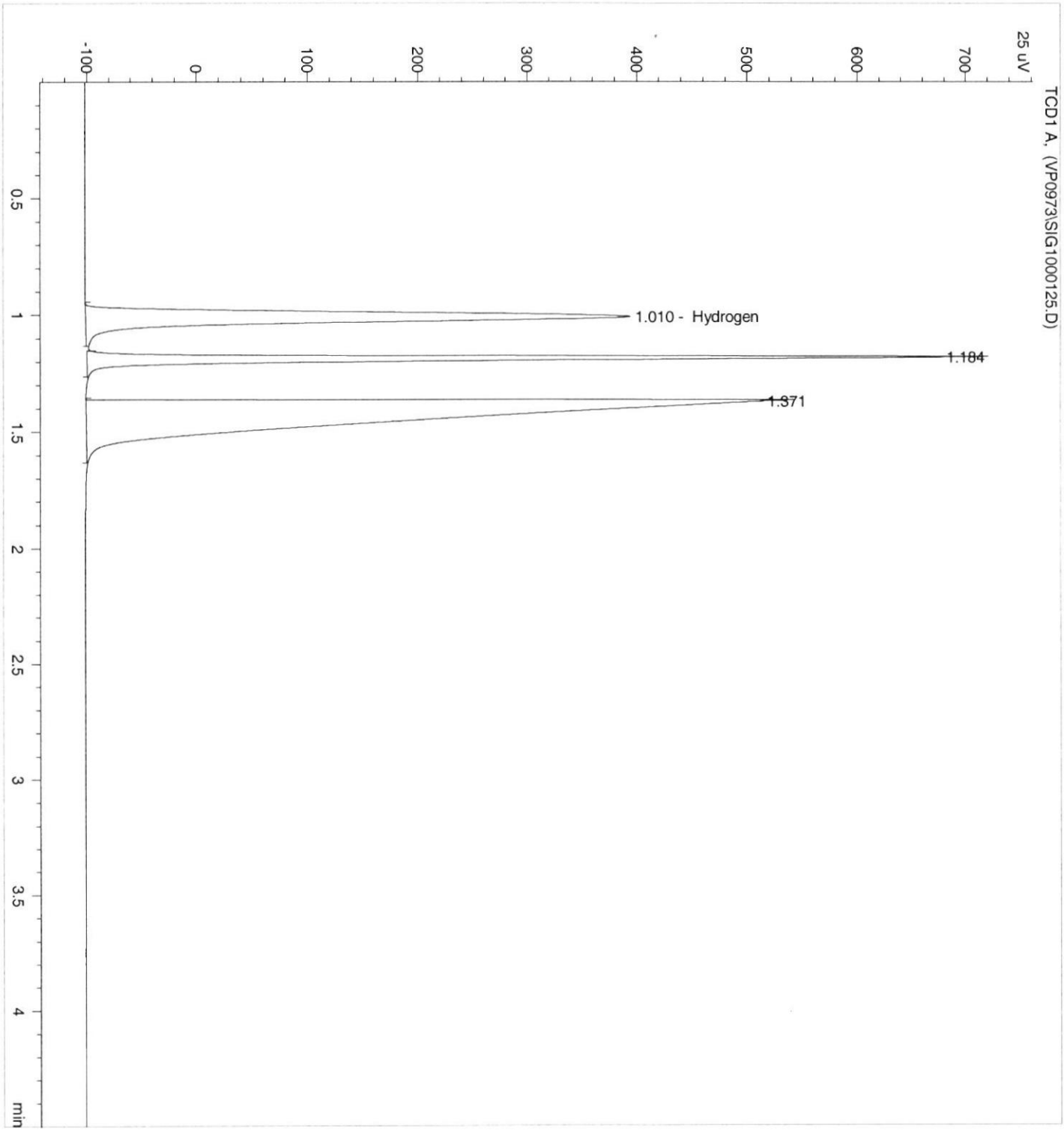

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000125.D
Sample Name: NE 30180-5 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:04:24 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.010	BB	1438.14526	2.27013e-3	3.26478		Hydrogen

Totals : 4431.00147

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Calibration Curves

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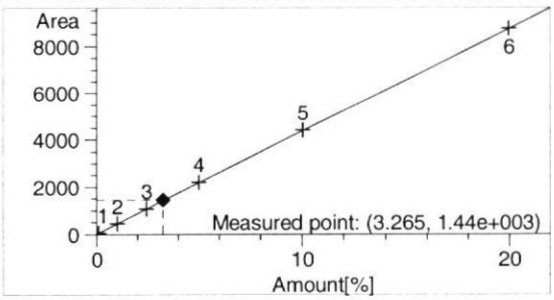

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000126.D
Sample Name: NE 30179-3 N.5 test @ 10X R1

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Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:49:51 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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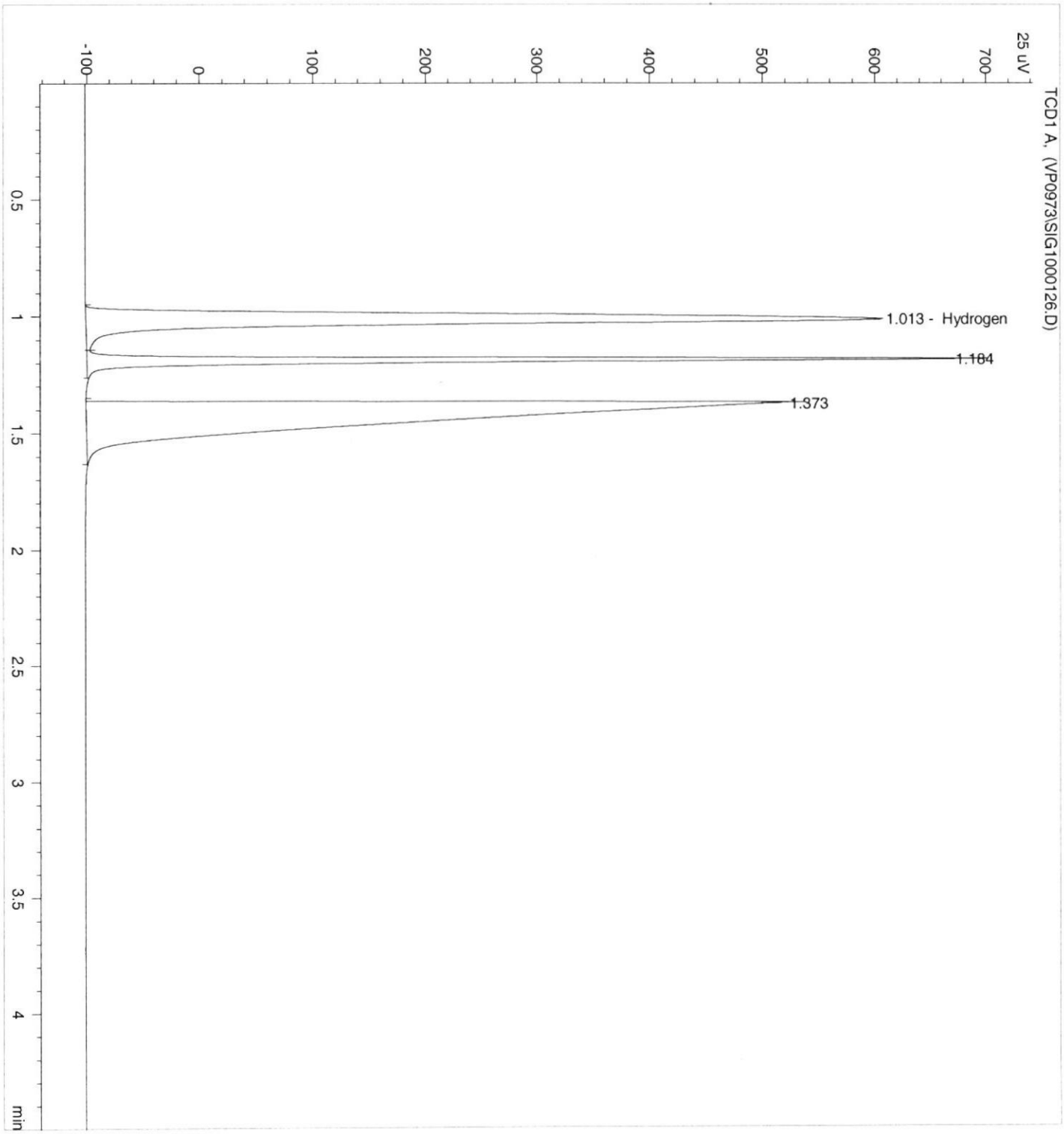

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000126.D
Sample Name: NE 30179-3 N.5 test @ 10X R1

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Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:49:51 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.013	BV	2057.36890	2.27419e-3	4.67885		Hydrogen

Totals : 4349.98744

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Calibration Curves

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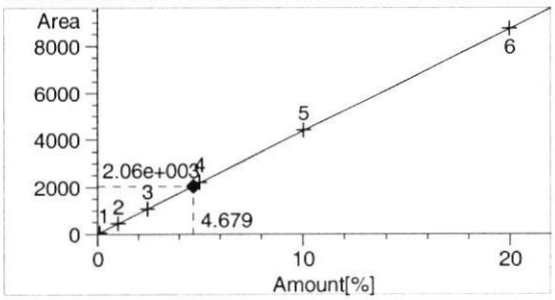

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000127.D
Sample Name: NE 30179-3 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:55:42 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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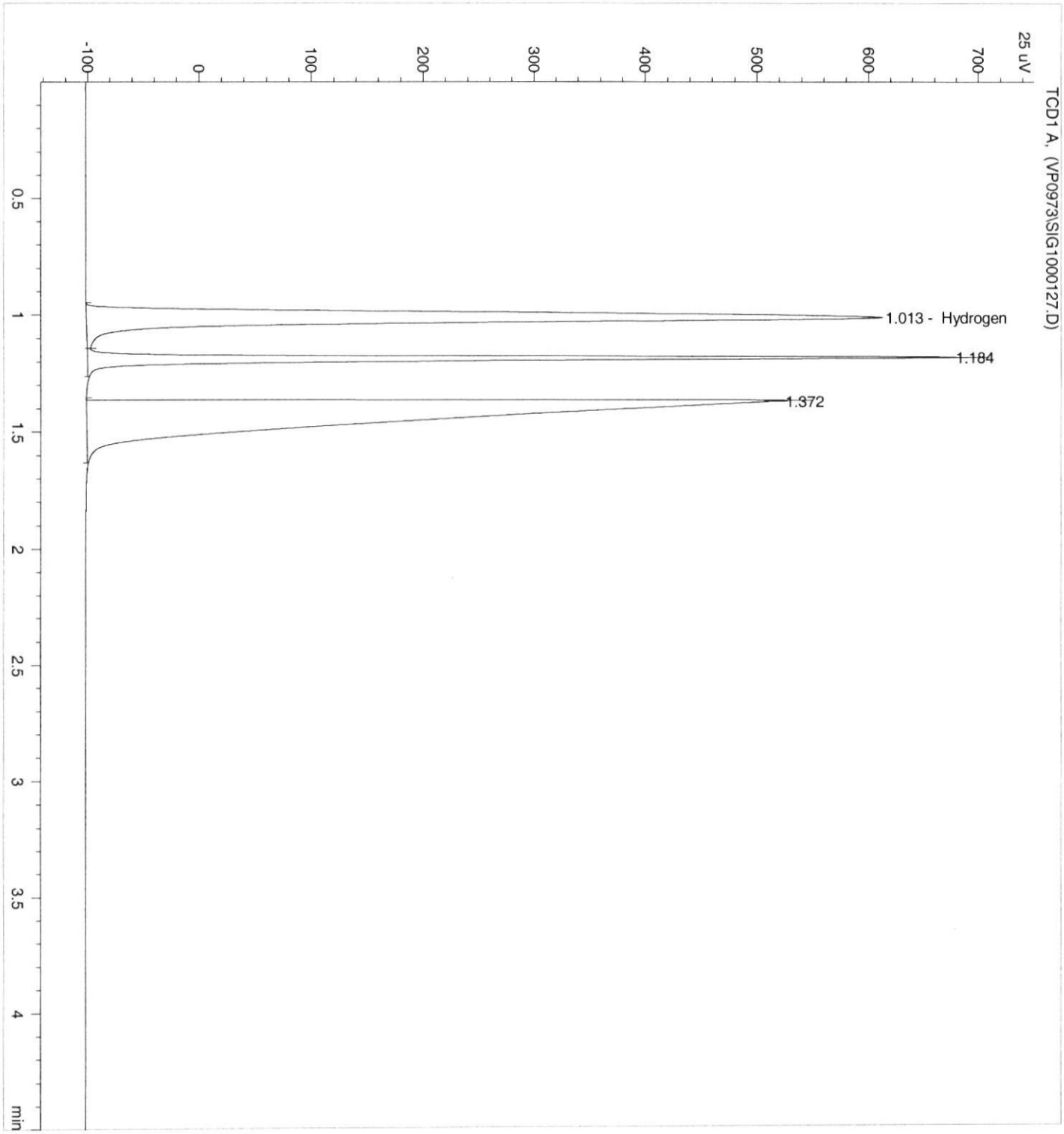

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000127.D
Sample Name: NE 30179-3 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 1:55:42 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.013	BV	2070.58081	2.27425e-3	4.70902		Hydrogen

Totals : 4363.54361

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Calibration Curves

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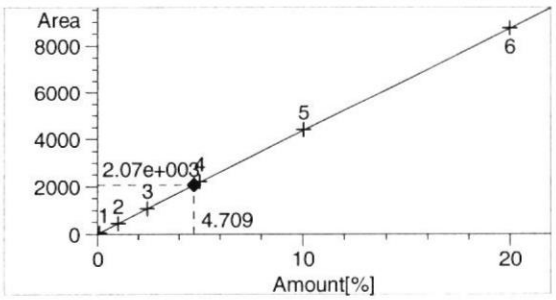

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000128.D
Sample Name: NE 30179-3 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:01:58 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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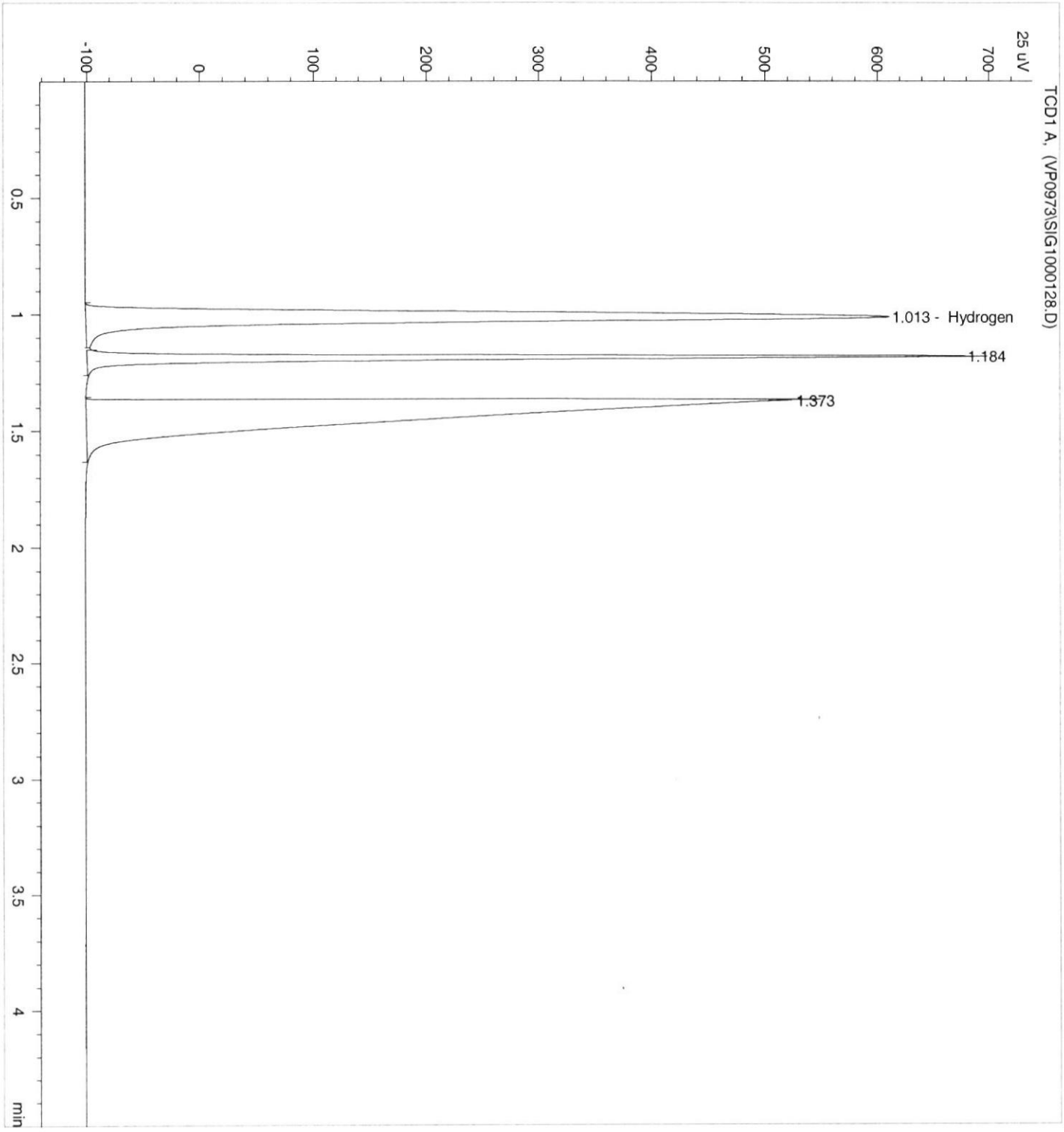

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000128.D
Sample Name: NE 30179-3 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:01:58 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.013	BB	2072.65430	2.27426e-3	4.71375		Hydrogen

Totals : 4332.34657

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Calibration Curves

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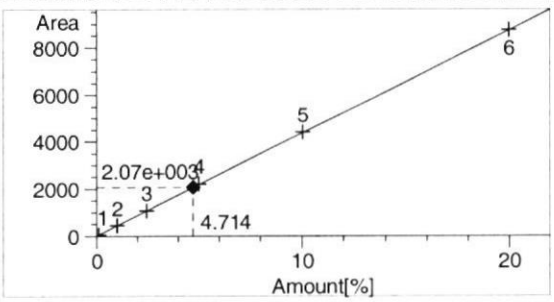

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000129.D
Sample Name: NE 30179-4 N.5 test @ 10X R1

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Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:29:20 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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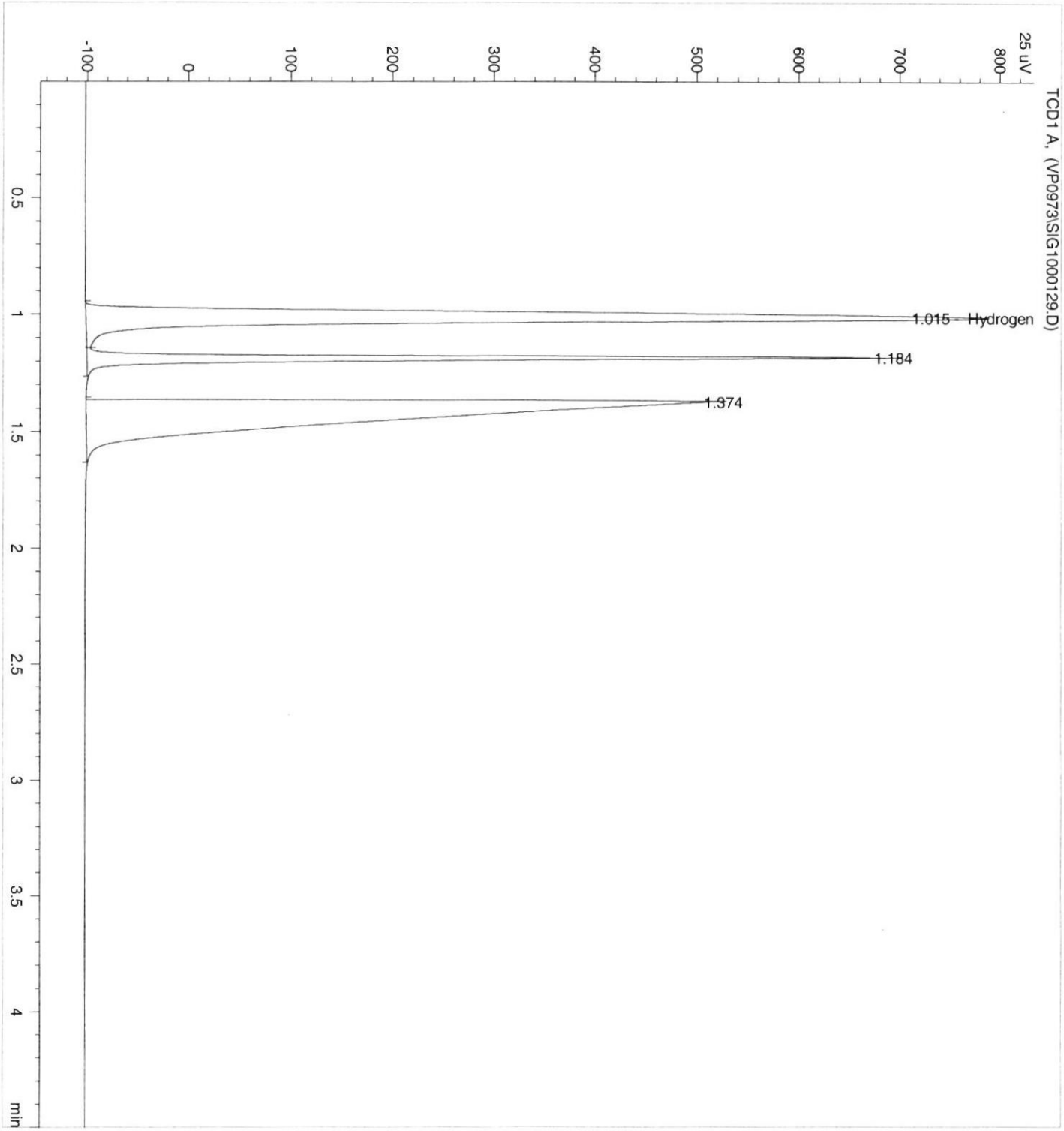

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000129.D
Sample Name: NE 30179-4 N.5 test @ 10X R1

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:29:20 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.015	BV	2595.41724	2.27614e-3	5.90754		Hydrogen

Totals : 4318.77046

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Calibration Curves

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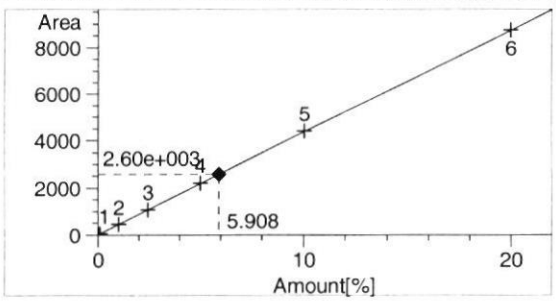

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000130.D
Sample Name: NE 30179-4 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:37:04 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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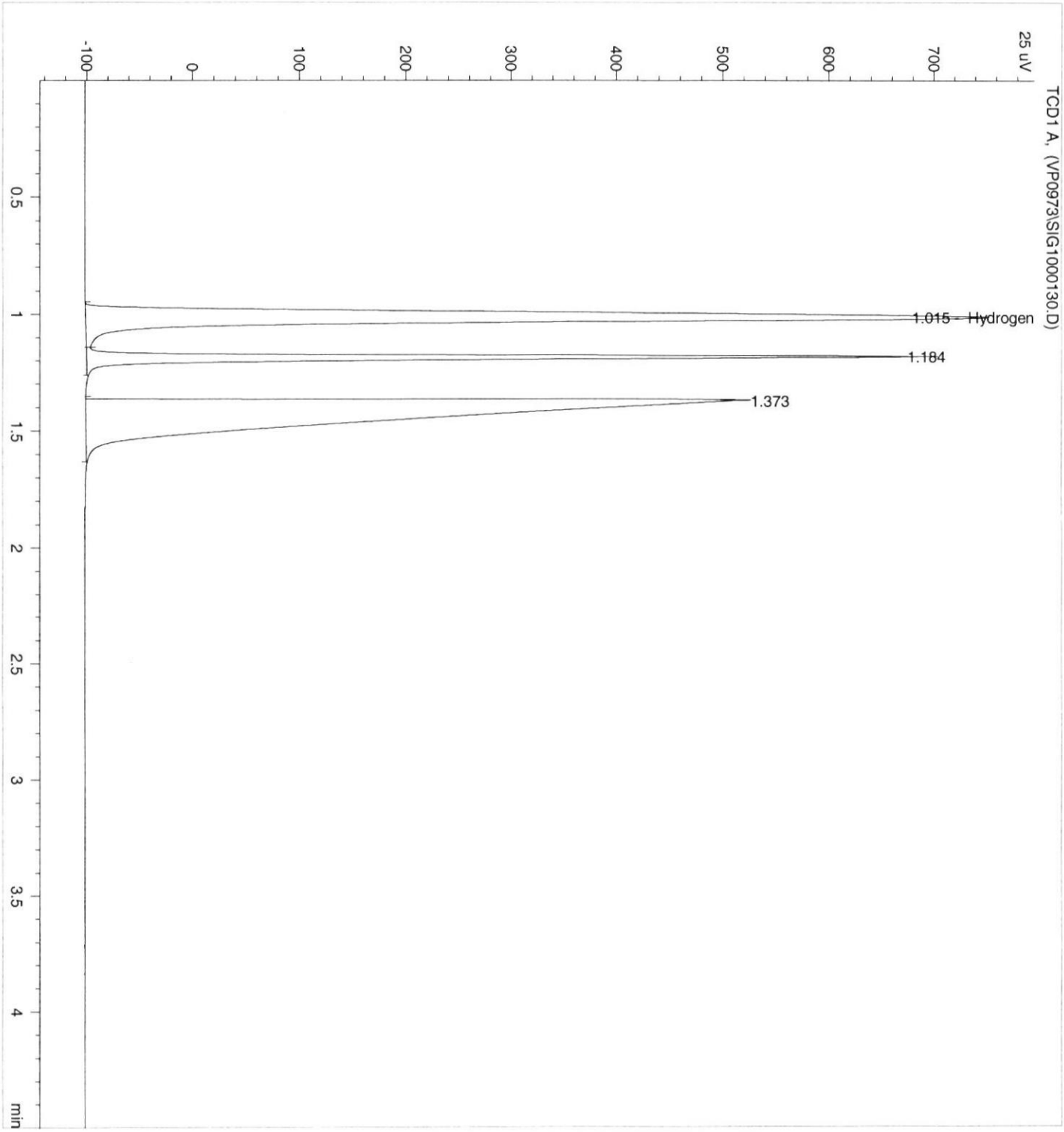

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000130.D
Sample Name: NE 30179-4 N.5 test @ 10X R2

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:37:04 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.015	BV	2484.41602	2.27581e-3	5.65406		Hydrogen

Totals : 4343.92237

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Calibration Curves

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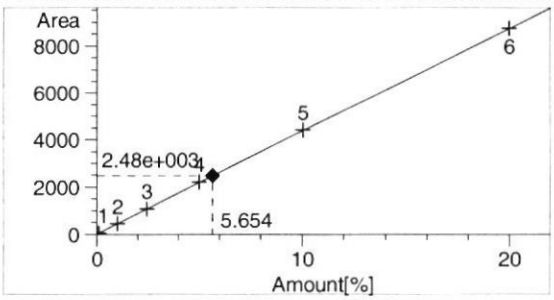

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000131.D
Sample Name: NE 30179-4 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:42:52 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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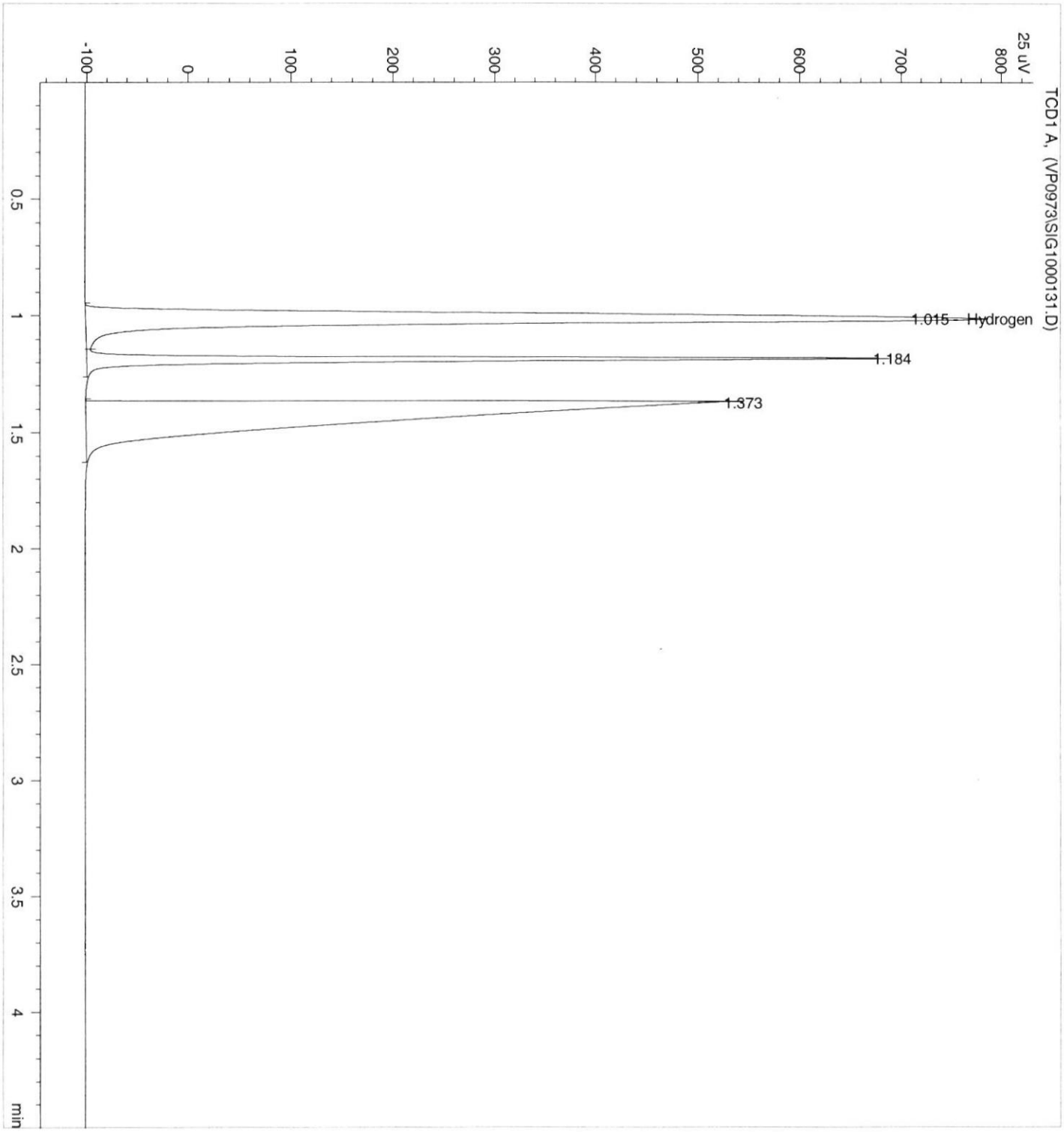

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000131.D
Sample Name: NE 30179-4 N.5 test @ 10X R3

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 2:42:52 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.015	BV	2583.40942	2.27611e-3	5.88012		Hydrogen

Totals : 4307.39416

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Calibration Curves

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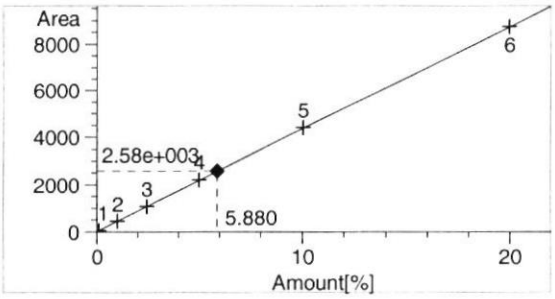

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000132.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:02:18 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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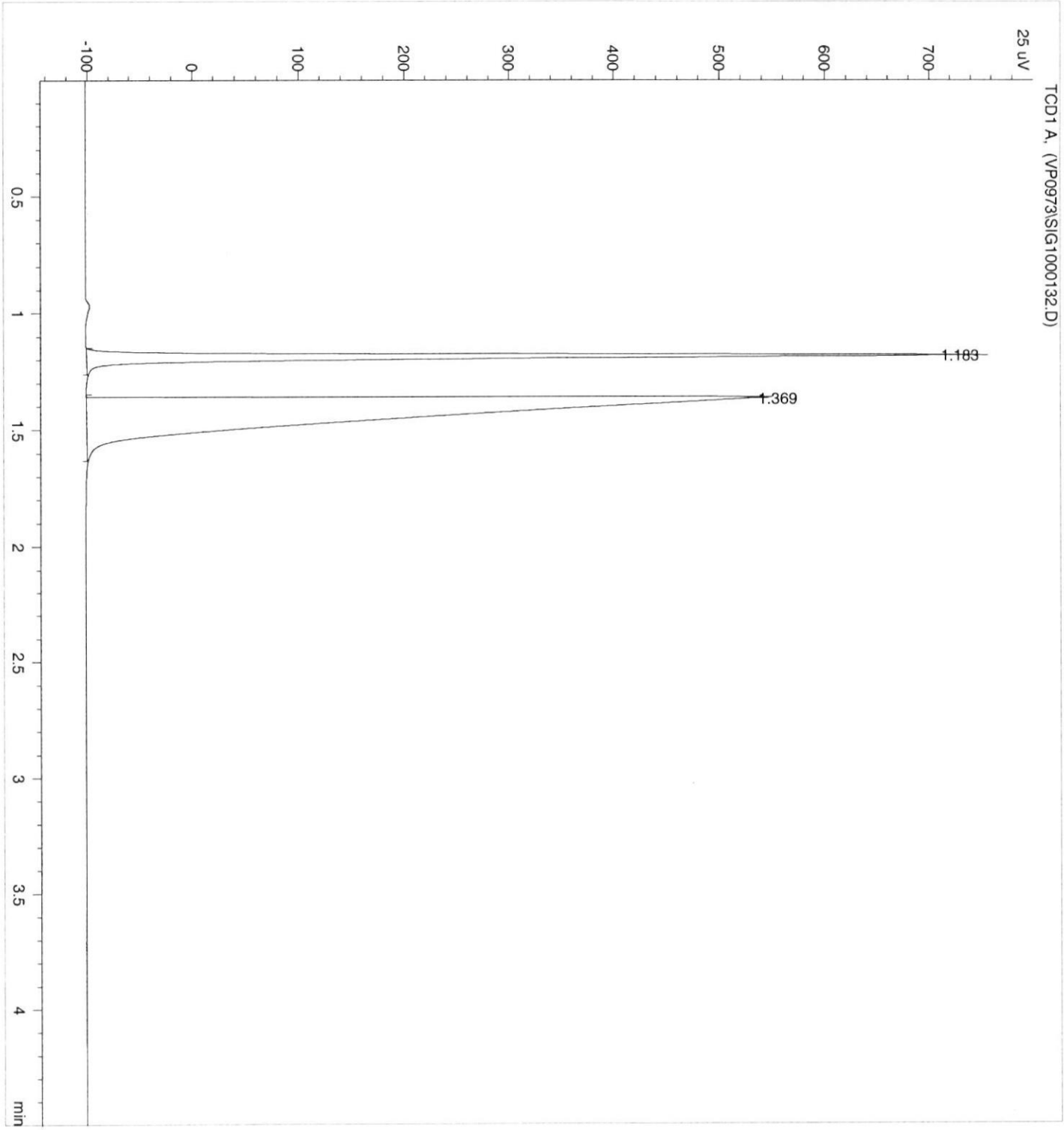

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000132.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:02:18 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.040		-	-	-		Hydrogen

Totals : 4590.35742

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

Peak #	RetTime [min]	Type	Width [min]	Area [25 uV*s]	Area %	Name
1	1.040		0.0000	0.00000	0.00000	Hydrogen

Totals : 0.00000 0.0000

1 Warnings or Errors :

Warning : Calibrated compound(s) not found

==========

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000132.D
Sample Name: Laboratory Air Blank

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:02:18 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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Calibration Curves

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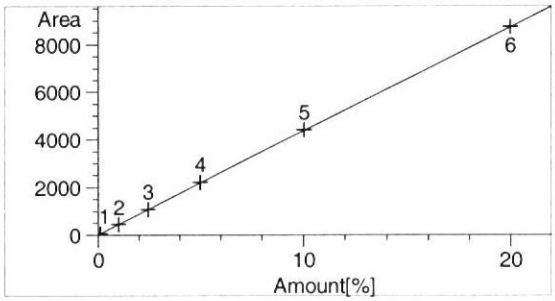

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000133.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:08:05 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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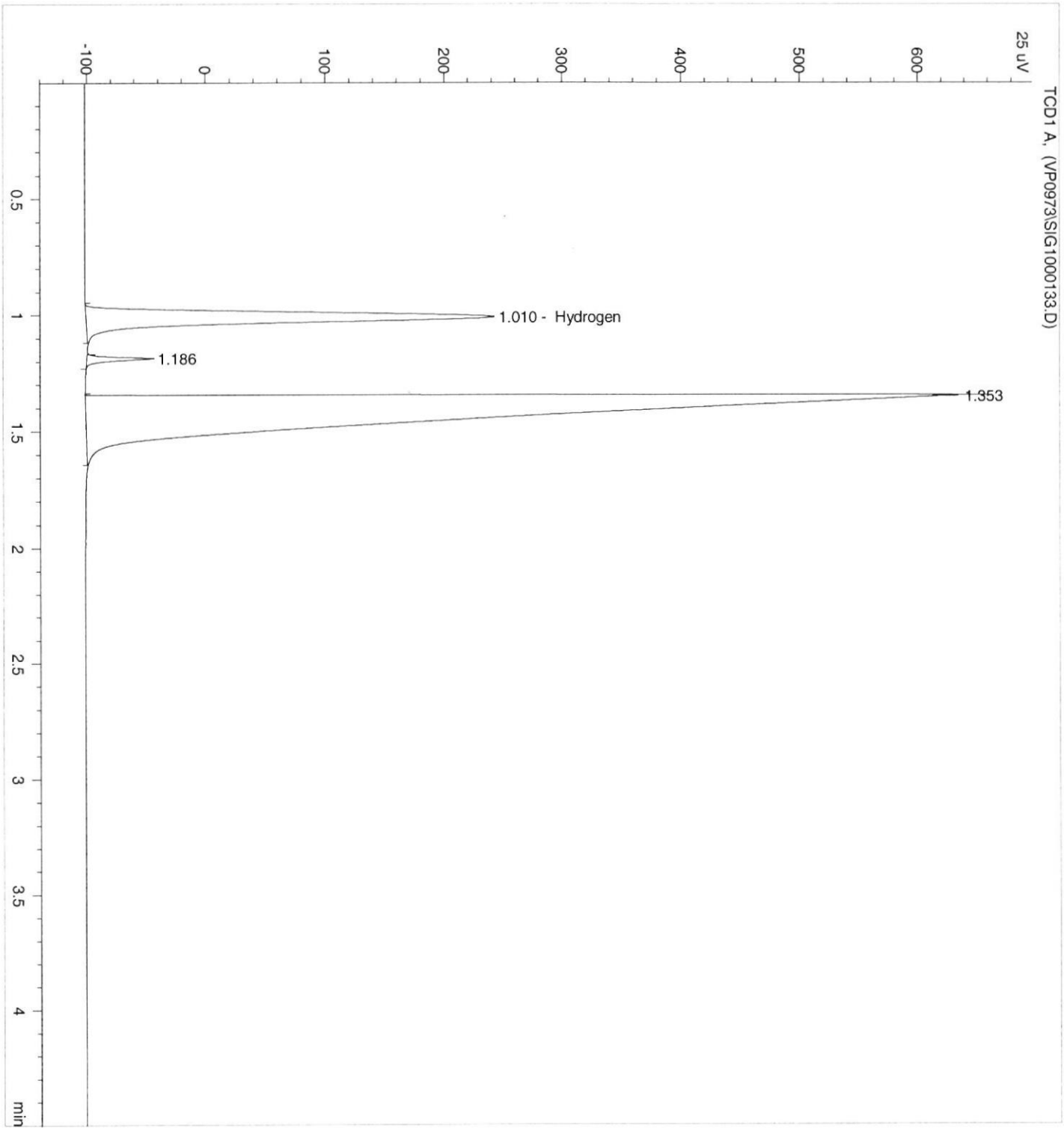

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000133.D
Sample Name: H2 CC Std 2.46% M-L (1053)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:08:05 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.010	BB	1028.32190	2.26476e-3	2.32890		Hydrogen

Totals : 4353.75201

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Calibration Curves

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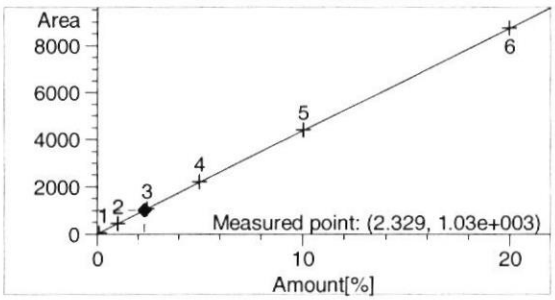

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

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*** End of Report ***

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000134.D
Sample Name: H2 QC Std 9.98% Linw lot# 706224 (1172)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:15:27 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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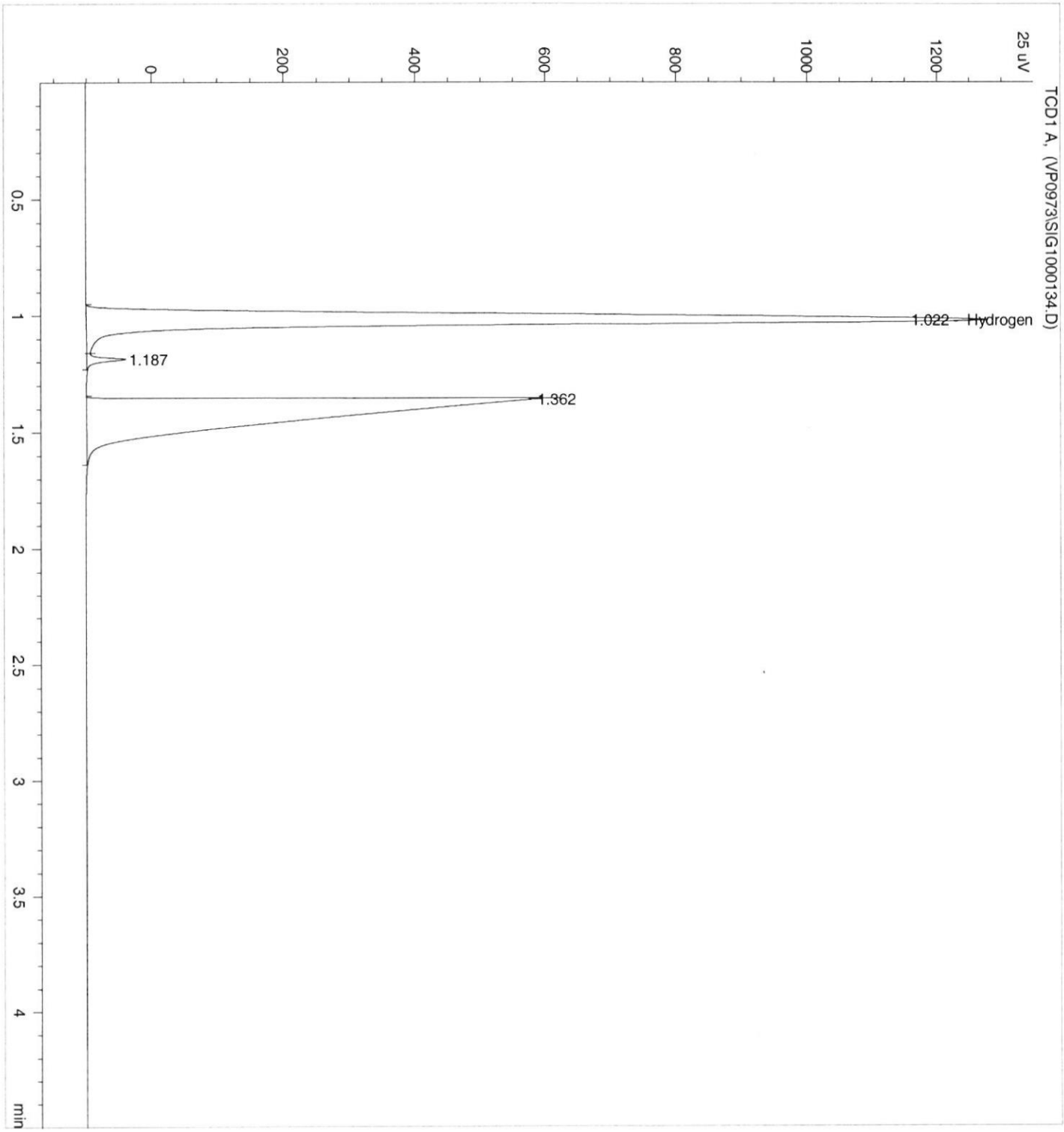

RRB VP0973 12/20/2011

Data File C:\CHEM32\2\DATA\VP0973\SIG1000134.D
Sample Name: H2 QC Std 9.98% Linw lot# 706224 (1172)

==========

Acq. Operator : Bob Bohn
Acq. Instrument : VALVE4974 Location : -
Injection Date : 12/16/2011 3:15:27 PM Inj : 1
Inj Volume : Manually
Method : C:\CHEM32\2\METHODS\VP0973_LOW_HYDROGEN_1.M
Last changed : 12/12/2011 6:55:40 AM by Bob Bohn
Method Info : Hydrogen analysis method

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External Standard Report

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Sorted By : Signal
Calib. Data Modified : 11/30/2011 11:00:44 AM
Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: TCD1 A,

RetTime [min]	Type	Area [25 uV*s]	Amt/Area	Amount [%]	Grp	Name
1.022	BV	4170.99951	2.27897e-3	9.50557		Hydrogen

Totals : 4012.13012

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Calibration Curves

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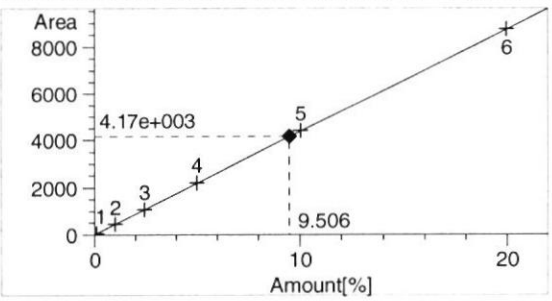

Hydrogen at exp. RT: 1.040
TCD1 A,
Correlation: 0.99999
Residual Std. Dev.: 17.69153
Formula: y = mx + b
m: 437.90211
b: 8.49174
x: Amount[%]
y: Area

==========

*** End of Report ***

RRB VP0973 12/20/2011