TRIMATRIX LABORATORIES

SECTION - C

GC SEMI-VOLATILE ORGANICS

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Individual sample results relate only to the sample tested.

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STATEMENT OF DATA QUALIFICATIONS

Volatile Petroleum Hydrocarbons by EPA Method 8015C

Qualification: The quality control batch(s), associated with the following samples and analyses, do not contain an MS/MSD or MS/DUP due to insufficient sample volumes. An LCS and LCSD were analyzed as the measure of batch precision and accuracy.

Analysis: USEPA-8015C

Sample/Analyte: 1205358-01 1060SL
1205374-01 106RCT

Qualification: Manual integration was required on the analytes listed below. All manual integrations were performed and reviewed in accordance with TriMatrix laboratory policy.

Analysis: USEPA-8015C

Sample/Analyte:	
1206983-BS1	GRO - 8015 (C6-C10)
2F04023-CAL3	GRO - 8015 (C6-C10)
2F04025-CCV1	GRO - 8015 (C6-C10)

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050712

USEPA-8015C

SAMPLE ID SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
106091	1205226-01
106191	1205226-02
1060SL	1205358-01
106RCT	1205374-01

SURROGATE STANDARD RECOVERY AND RT SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E14004

SDG: KNM050712
Project: KNM
Calibration: 2D30006
Instrument: 332

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Blank (1206076-BLK1)		**Lab File ID: 003F0301.D**		**Analyzed: 05/11/12 09:13**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	89	71 - 134	
LCS (1206076-BS1)		**Lab File ID: 004F0401.D**		**Analyzed: 05/11/12 10:00**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	90	71 - 134	
Calibration Check (2E14004-CCV1)		**Lab File ID: 004F0401.D**		**Analyzed: 05/11/12 10:00**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	90	85 - 115	
106091 (1205226-01)		**Lab File ID: 007F0701.D**		**Analyzed: 05/11/12 17:24**			
aaa-Trifluorotoluene	24.91	24.91	0.01	+/-1.0	119	71 - 134	
106191 (1205226-02)		**Lab File ID: 008F0801.D**		**Analyzed: 05/11/12 18:11**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	116	71 - 134	
Calibration Check (2E14004-CCV2)		**Lab File ID: 009F0901.D**		**Analyzed: 05/11/12 18:59**			
aaa-Trifluorotoluene	24.91	24.91	0.01	+/-1.0	95	85 - 115	
Calibration Check (2E14004-CCV3)		**Lab File ID: 012F1201.D**		**Analyzed: 05/11/12 21:22**			
aaa-Trifluorotoluene	24.92	24.91	0.01	+/-1.0	90	85 - 115	

SURROGATE STANDARD RECOVERY AND RT SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2F04025

SDG: KNM050712
Project: KNM
Calibration: 2F04008
Instrument: 332

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Blank (1206983-BLK1)		**Lab File ID: 002F0201.D**		**Analyzed: 05/31/12 08:43**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	101	71 - 134	
LCS (1206983-BS1)		**Lab File ID: 003F0301.D**		**Analyzed: 05/31/12 09:30**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	95	71 - 134	
Calibration Check (2F04025-CCV1)		**Lab File ID: 003F0301.D**		**Analyzed: 05/31/12 09:30**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	95	85 - 115	
1060SL (1205358-01)		**Lab File ID: 006F0401.D**		**Analyzed: 05/31/12 10:32**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	105	71 - 134	
106RCT (1205374-01)		**Lab File ID: 005F0501.D**		**Analyzed: 05/31/12 11:19**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	103	71 - 134	
LCS Dup (1206983-BSD1)		**Lab File ID: 005F0501.D**		**Analyzed: 05/31/12 15:46**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	108	71 - 134	
Calibration Check (2F04025-CCV2)		**Lab File ID: 005F0501.D**		**Analyzed: 05/31/12 15:46**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	108	85 - 115	

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206076

SDG: KNM050712

Project: KNM

Laboratory ID: 1206076-BS1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2E14004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	365	91	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206983-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206983
Sequence: 2F04025

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	405	101	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206983

SDG: KNM050712

Project: KNM

Laboratory ID: 1206983-BSD1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2F04025

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	411	103	1	20	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1206076-BLK1
File ID: 003F0301.D
Prepared: 05/11/12 07:00
Analyzed: 05/11/12 09:13
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1206076
Sequence: 2E14004
Calibration: 2D30006
Instrument: 332

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	100	ug/L	24	100	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
aaa-Trifluorotoluene	50.0	44.3	89	71 - 134	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206076 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106091	1205226-01	05/11/12 07:00	C6-10
106191	1205226-02	05/11/12 07:00	C6-10
Blank	1206076-BLK1	05/11/12 07:00	
LCS	1206076-BS1	05/11/12 07:00	

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206983-BLK1 File ID: 002F0201.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 08:43

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206983 Sequence: 2F04025 Calibration: 2F04008 Instrument: 332

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	100	ug/L	24	100	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
aaa-Trifluorotoluene	50.0	50.4	101	71 - 134	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

QC Batch: 1206983 QC Batch Matrix: Water

Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
1060SL	1205358-01	05/31/12 07:00	C6-10
106RCT	1205374-01	05/31/12 07:00	C6-10
Blank	1206983-BLK1	05/31/12 07:00	
LCS	1206983-BS1	05/31/12 07:00	
LCS Dup	1206983-BSD1	05/31/12 07:00	

INITIAL CALIBRATION STANDARDS
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D30016

SDG: KNM050712
Project: KNM
Calibration: 2D30006
Instrument: 332

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2041374	GRO CAL 1 042612	2D30016-CAL1	004F0401.D	04/26/12 10:50
2041375	GRO CAL 2 042612	2D30016-CAL2	005F0501.D	04/26/12 11:41
2041376	GRO CAL 3 042612	2D30016-CAL3	006F0601.D	04/26/12 12:28
2041377	GRO CAL 4 042612	2D30016-CAL4	007F0701.D	04/26/12 13:16
2041378	GRO CAL 5 042612	2D30016-CAL5	008F0801.D	04/26/12 14:03
2041379	GRO CAL 6 042612	2D30016-CAL6	009F0901.D	04/26/12 14:50
2041238	GR0 SCV 042512	2D30016-SCV1	011F1101.D	04/26/12 16:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E14004

SDG: KNM050712
Project: KNM
Calibration: 2D30006
Instrument: 332

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1206076-BLK1	003F0301.D	05/11/12 09:13
Calibration Check	2E14004-CCV1	004F0401.D	05/11/12 10:00
LCS	1206076-BS1	004F0401.D	05/11/12 10:00
106091	1205226-01	007F0701.D	05/11/12 17:24
106191	1205226-02	008F0801.D	05/11/12 18:11
Calibration Check	2E14004-CCV2	009F0901.D	05/11/12 18:59
Calibration Check	2E14004-CCV3	012F1201.D	05/11/12 21:22

INITIAL CALIBRATION STANDARDS
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2F04023

SDG: KNM050712
Project: KNM
Calibration: 2F04008
Instrument: 332

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2060097	GRO CAL 1 053012	2F04023-CAL1	004F0401.D	05/30/12 10:50
2060098	GRO CAL 2 053012	2F04023-CAL2	005F0501.D	05/30/12 11:37
2060099	GRO CAL 3 053012	2F04023-CAL3	006F0601.D	05/30/12 12:24
2060100	GRO CAL 4 053012	2F04023-CAL4	007F0701.D	05/30/12 13:12
2060101	GRO CAL 5 053012	2F04023-CAL5	008F0801.D	05/30/12 13:59
2060102	GRO CAL 6 053012	2F04023-CAL6	009F0901.D	05/30/12 14:46
2041238	GR0 SCV 042512	2F04023-SCV1	011F1101.D	05/30/12 16:20

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2F04025

SDG: KNM050712
Project: KNM
Calibration: 2F04008
Instrument: 332

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1206983-BLK1	002F0201.D	05/31/12 08:43
Calibration Check	2F04025-CCV1	003F0301.D	05/31/12 09:30
LCS	1206983-BS1	003F0301.D	05/31/12 09:30
1060SL	1205358-01	006F0401.D	05/31/12 10:32
106RCT	1205374-01	005F0501.D	05/31/12 11:19
LCS Dup	1206983-BSD1	005F0501.D	05/31/12 15:46
Calibration Check	2F04025-CCV2	005F0501.D	05/31/12 15:46

HOLDING TIME SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Method: Volatile Petroleum Hydrocarbons by EPA Method 8015C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106091	05/09/12	05/10/12		05/11/12	2	14	05/11/12	0	14	
106191	05/09/12	05/10/12		05/11/12	2	14	05/11/12	0	14	
1060SL	05/17/12	05/18/12		05/31/12	14	14	05/31/12	0	14	
106RCT	05/18/12	05/21/12		05/31/12	13	14	05/31/12	0	14	

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106091

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-01 File ID: 007F0701.D

Sampled: 05/09/12 10:00 Prepared: 05/11/12 07:00 Analyzed: 05/11/12 17:24

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206076 Sequence: 2E14004 Calibration: 2D30006 Instrument: 332

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	2	900	48	200	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	59.6	119	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\007F0701.D
Sample Name: 1205226-01A 2X

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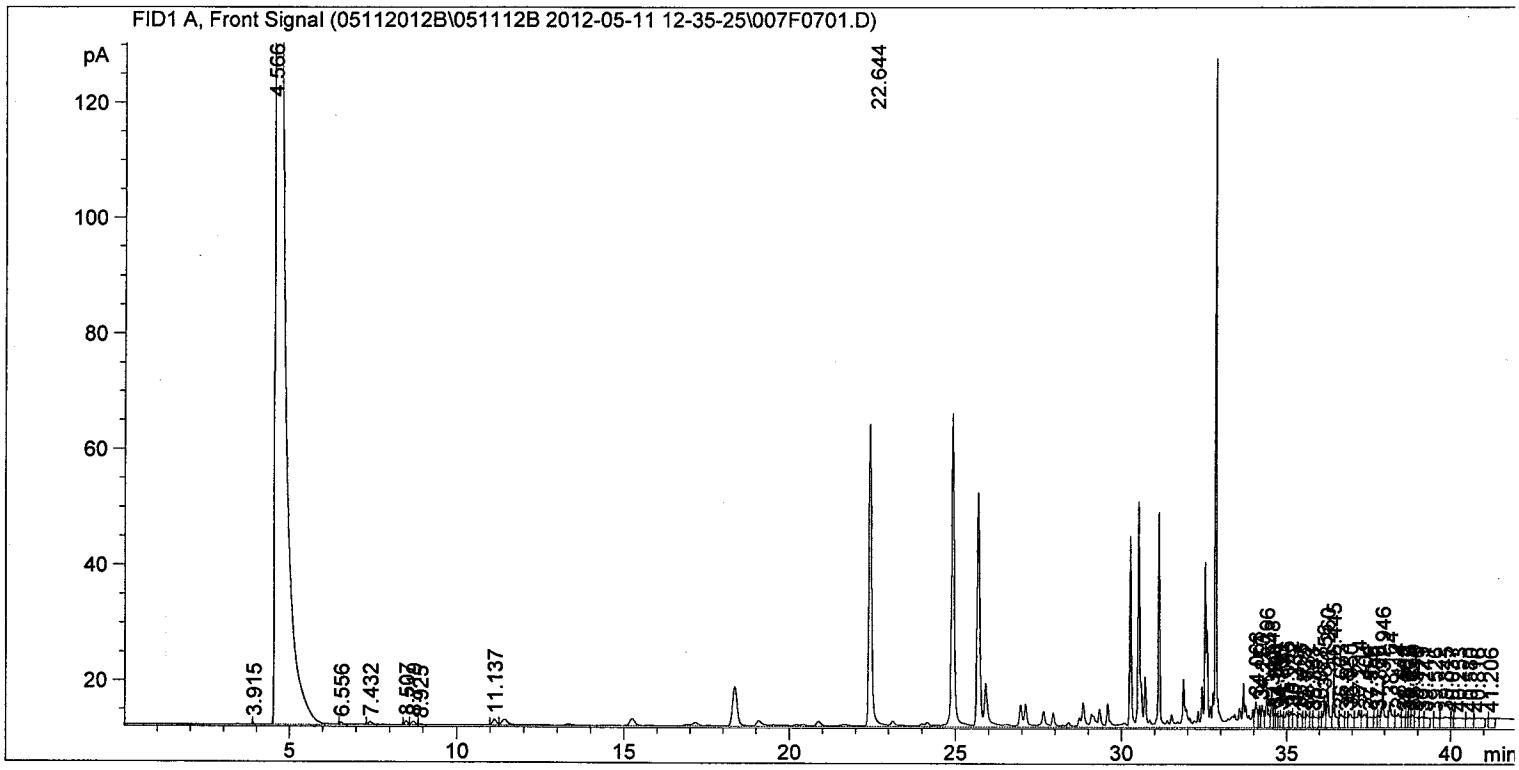
Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 5/11/2012 5:24:06 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\GRO_SUM042612.M		
Last changed	: 5/10/2012 1:46:51 PM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.3646	2513.83179	25.73898	
Totals :				2513.83179	25.7390	

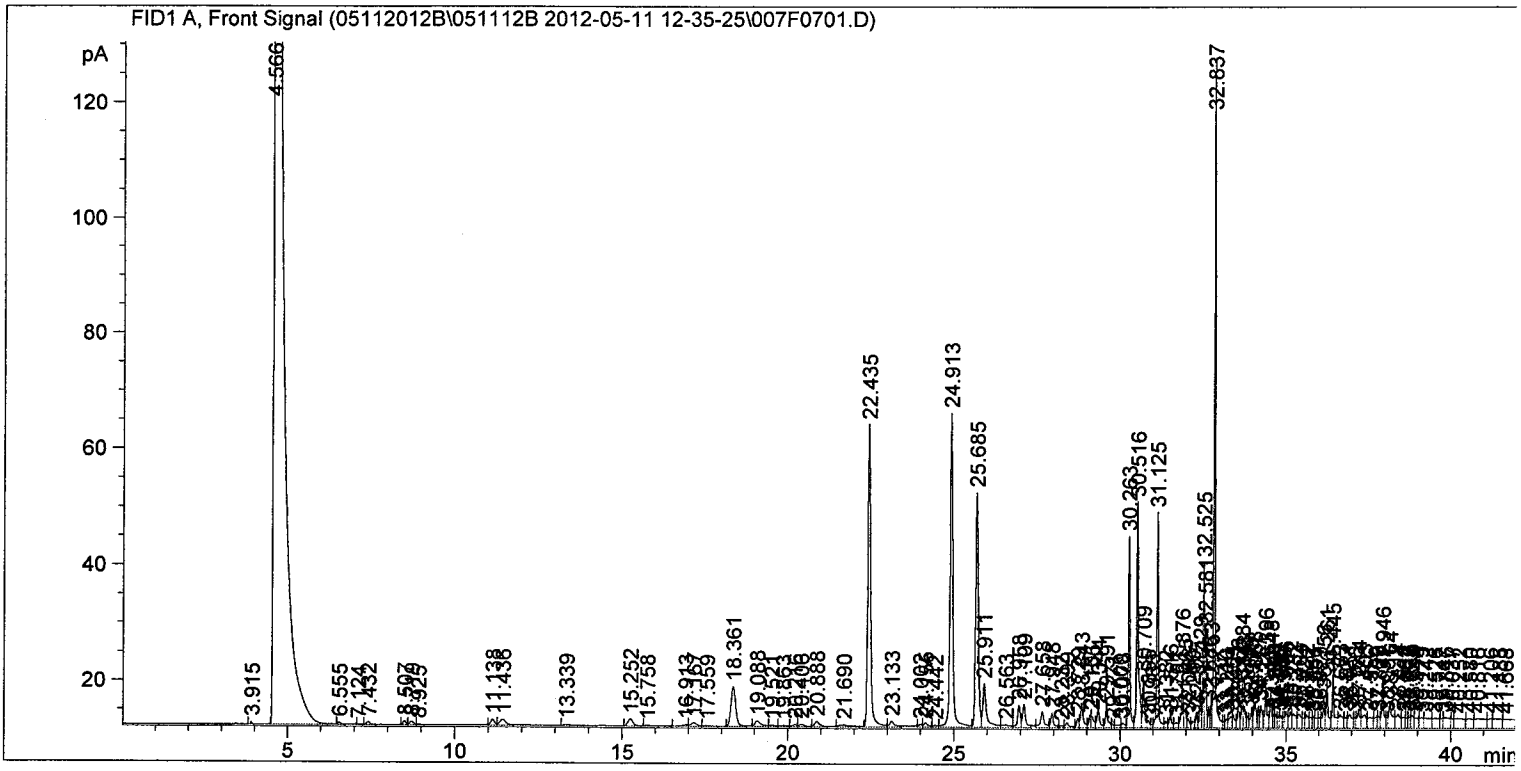
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\007F0701.D
Sample Name: 1205226-01A 2X

==========

Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 5/11/2012 5:24:06 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.436	HH		12.42664	3.49422e-1	4.34214		2-Methylpentane
22.435	HH	I	319.41501	1.14861e-1	36.68829		fluorobenzene
24.913	HH	+	328.31329	1.81469e-1	59.57871		@@@
33.970	HH		14.00412	3.02296e-1	4.23339		1,2,4-Trimethylbenzene

Totals : 104.84253

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106191

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-02 File ID: 008F0801.D

Sampled: 05/09/12 13:00 Prepared: 05/11/12 07:00 Analyzed: 05/11/12 18:11

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206076 Sequence: 2E14004 Calibration: 2D30006 Instrument: 332

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	2	890	48	200	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	57.9	116	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\008F0801.D
Sample Name: 1205226-02A 2X

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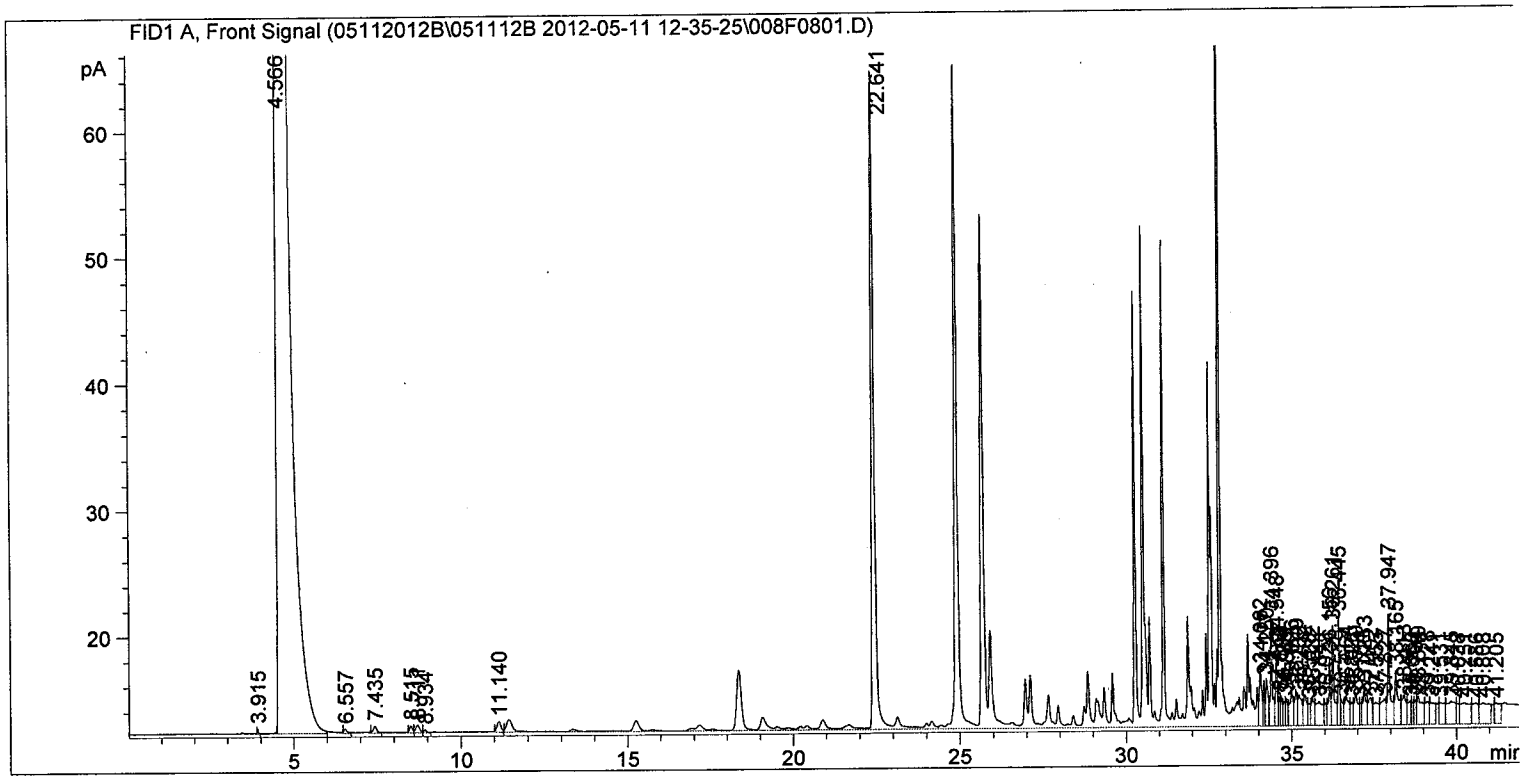
Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 5/11/2012 6:11:57 PM

Seq. Line : 8
Location : Vial 8
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.3509	2485.77661	25.46477	

Totals : 2485.77661 25.4648

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\008F0801.D
Sample Name: 1205226-02A 2X

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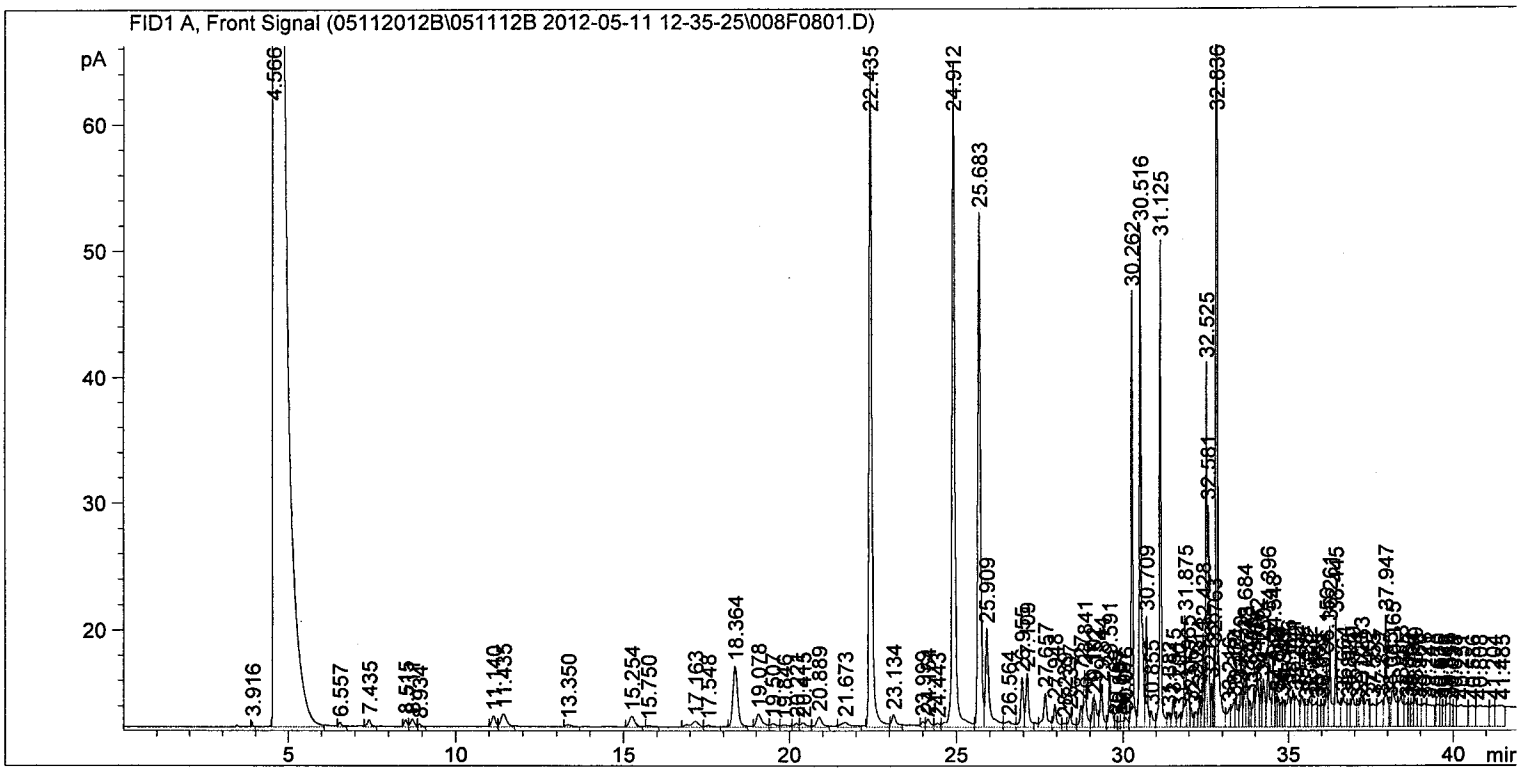
Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 5/11/2012 6:11:57 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_042612.M		
Last changed	: 4/26/2012 3:34:23 PM by LEW		
Method Info	: Instr. #332. EPAGRO 8015C		



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.435	HH		12.23575	3.49422e-1	4.27544		2-Methylpentane
22.435	HH	I	318.30911	1.14861e-1	36.56127		fluorobenzene
24.912	HH	+	319.17731	1.81469e-1	57.92081		@@@
33.970	HH		13.97472	3.02296e-1	4.22450		1,2,4-Trimethylbenzene

Totals : 102.98201

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

1060SL

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205358-01 File ID: 006F0401.D

Sampled: 05/17/12 10:00 Prepared: 05/31/12 07:00 Analyzed: 05/31/12 10:32

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206983 Sequence: 2F04025 Calibration: 2F04008 Instrument: 332

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	1	100	24	100	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	52.4	105	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\006F0401.D
Sample Name: 1205358-01

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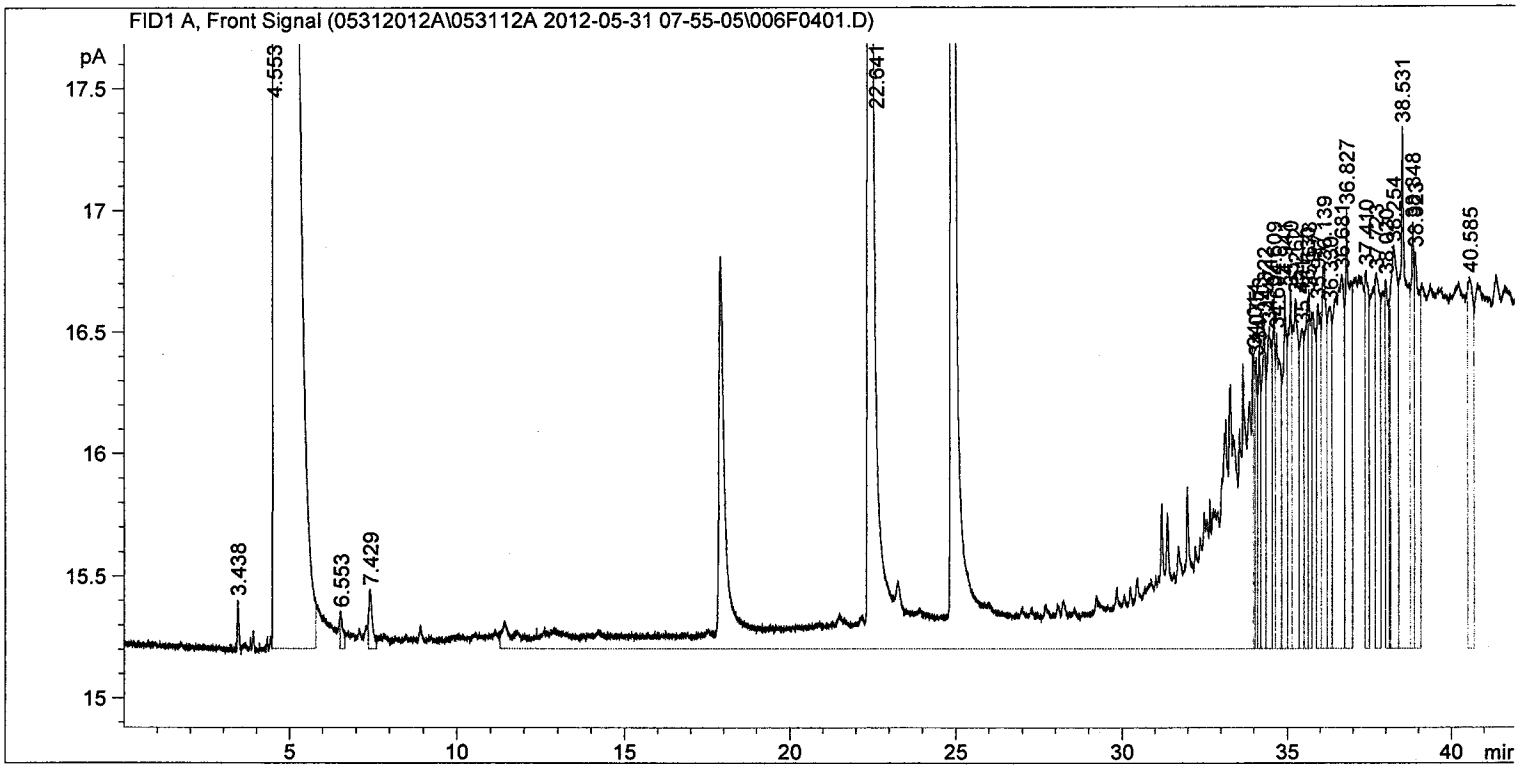
Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 5/31/2012 10:32:59 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\GRO_SUM053012.M		
Last changed	: 5/31/2012 8:41:34 AM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.2742	748.66840	10.55864	

Totals : 748.66840 10.5586

1 Warnings or Errors :

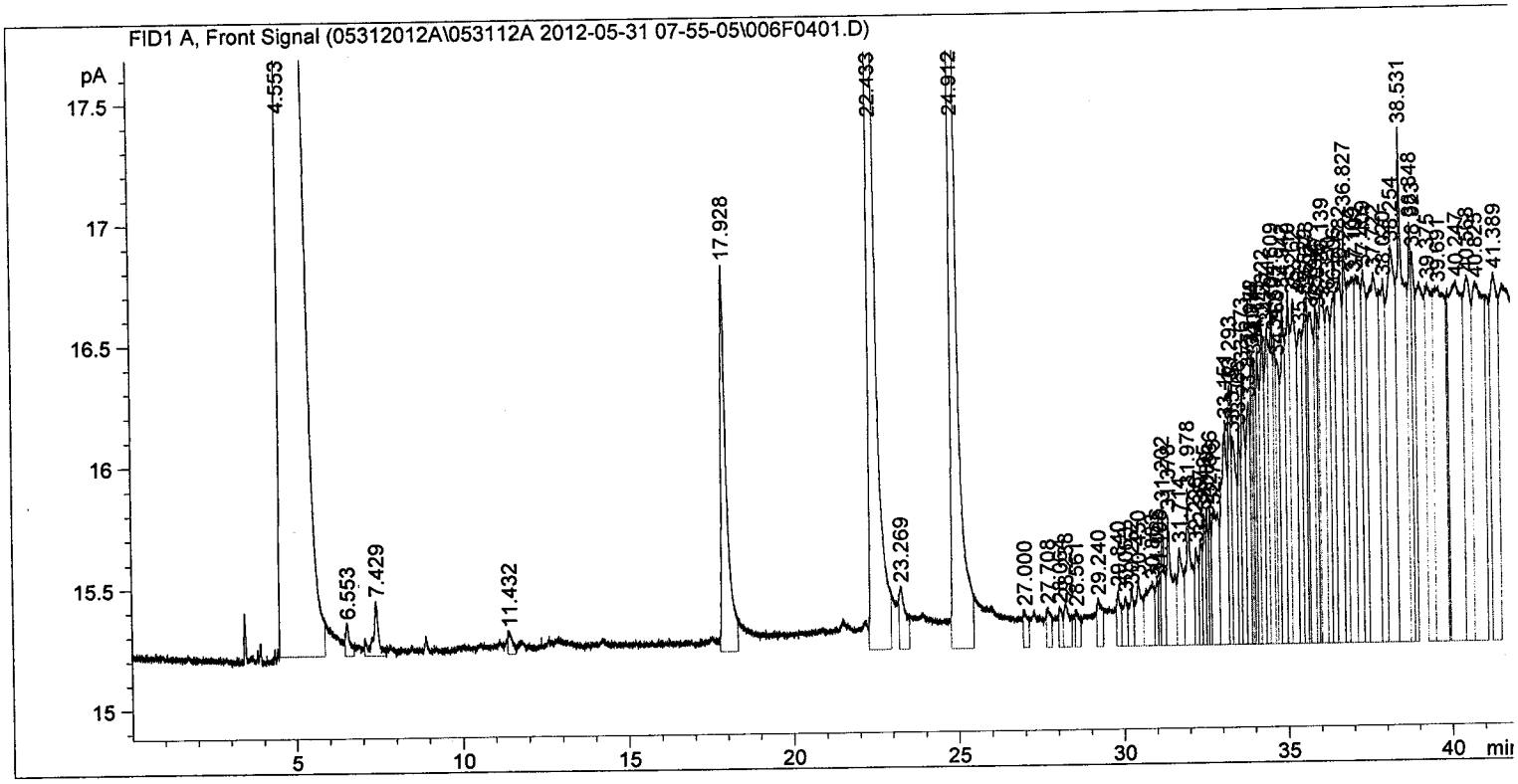
Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\006F0401.D
Sample Name: 1205358-01

==========

Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 5/31/2012 10:32:59 AM

Seq. Line : 4
Location : Vial 6
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.432	HH		8.59701e-1	3.61398e-1	3.10695e-1		2-Methylpentane
22.433	HH	I	278.17996	1.76741e-1	49.16579		fluorobenzene
24.912	HH	+	232.82523	2.25062e-1	52.40007		@@@
33.972	HH		4.04233	2.98998e-1	1.20865		1,2,4-Trimethylbenzene

Totals : 103.08521

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106RCT

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205374-01 File ID: 005F0501.D

Sampled: 05/18/12 09:30 Prepared: 05/31/12 07:00 Analyzed: 05/31/12 11:19

Solids: Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206983 Sequence: 2F04025 Calibration: 2F04008 Instrument: 332

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	1	100	24	100	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	51.3	103	71 - 134	

* Values outside of QC limits

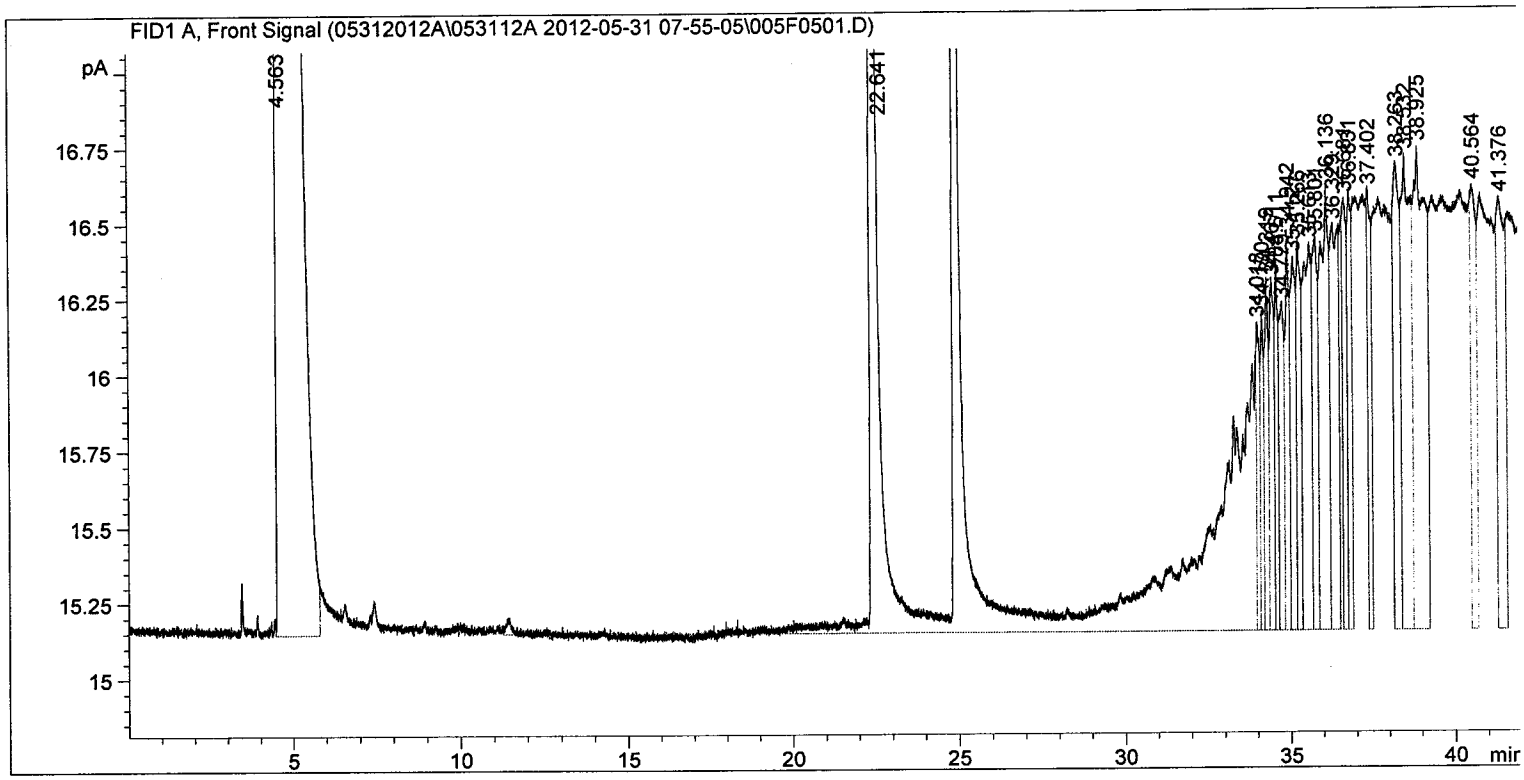
Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\005F0501.D
Sample Name: 1205374-01

==========

Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 5/31/2012 11:19:55 AM

Seq. Line : 5
Location : Vial 5
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.2257	608.25220	10.74617	

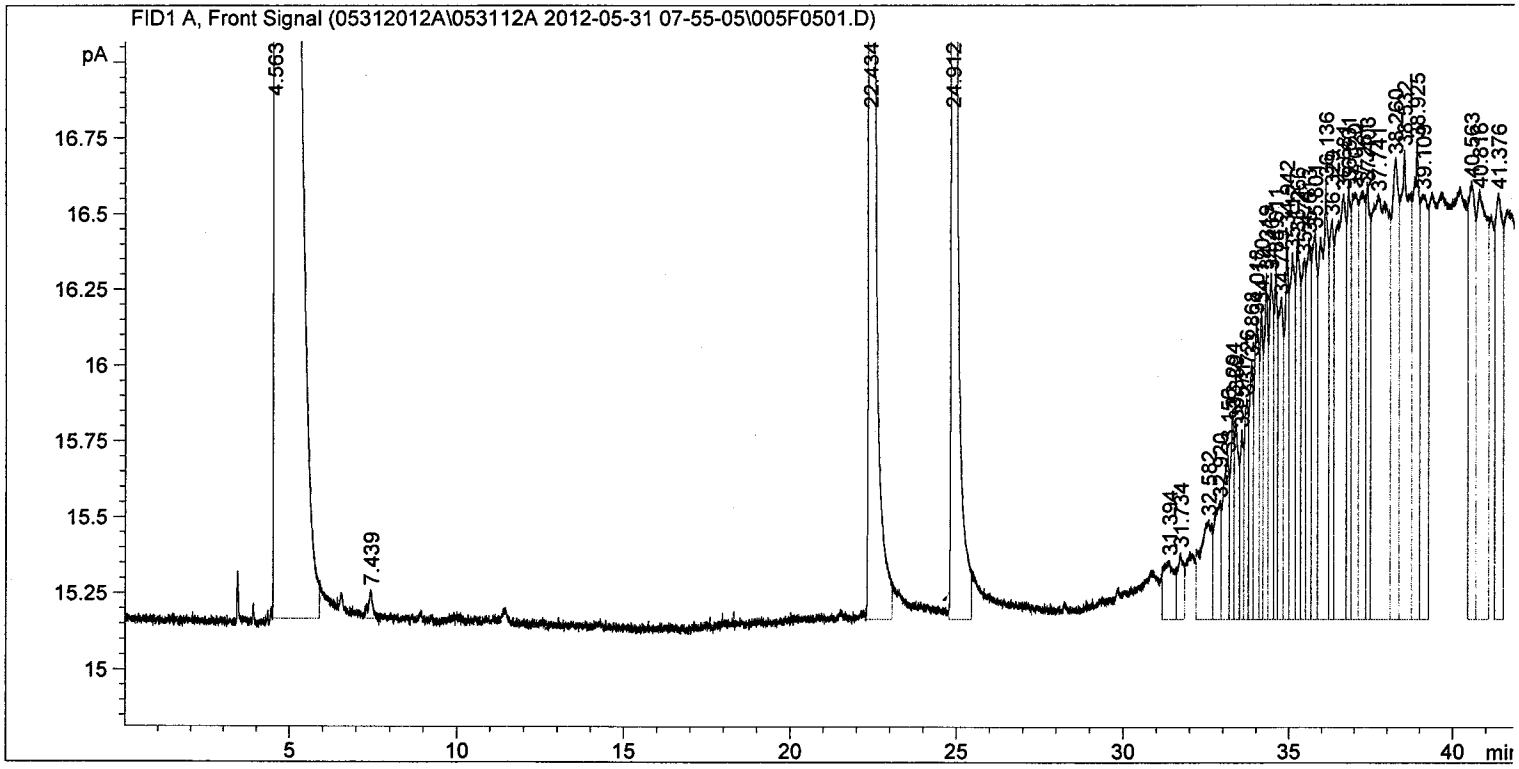
Totals : 608.25220 10.7462

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\005F0501.D
Sample Name: 1205374-01

==========

Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 5/31/2012 11:19:55 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_053012.M		
Last changed	: 5/31/2012 7:32:33 AM by LEW		
Method Info	: Instr. #332. EPAGRO 8015C		



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.439			-	-	-		2-Methylpentane
22.434	HH	I	271.74628	1.76741e-1	48.02869		fluorobenzene
24.912	HH	+	228.10571	2.25062e-1	51.33789		@@@
34.018	HH		9.69769	2.98998e-1	2.89959		1,2,4-Trimethylbenzene

Totals : 102.26617

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D30006

SDG: KNM050712

Project: KNM

Calibration Date: 04/26/12 00:00

Instrument: 332

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
GRO - 8015 (C6-C10)	100	4.4798	200	4.57325	400	4.25495	600	4.160467	800	4.111463	1000	3.88425
aaa-Trifluorotoluene	50	5.20468	50	5.291908	50	5.526962	50	5.60071	50	5.774198	50	5.665026

INITIAL CALIBRATION DATA (Continued)
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D30006

SDG: KNM050712

Project: KNM

Calibration Date: 04/26/12 00:00

Instrument: 332

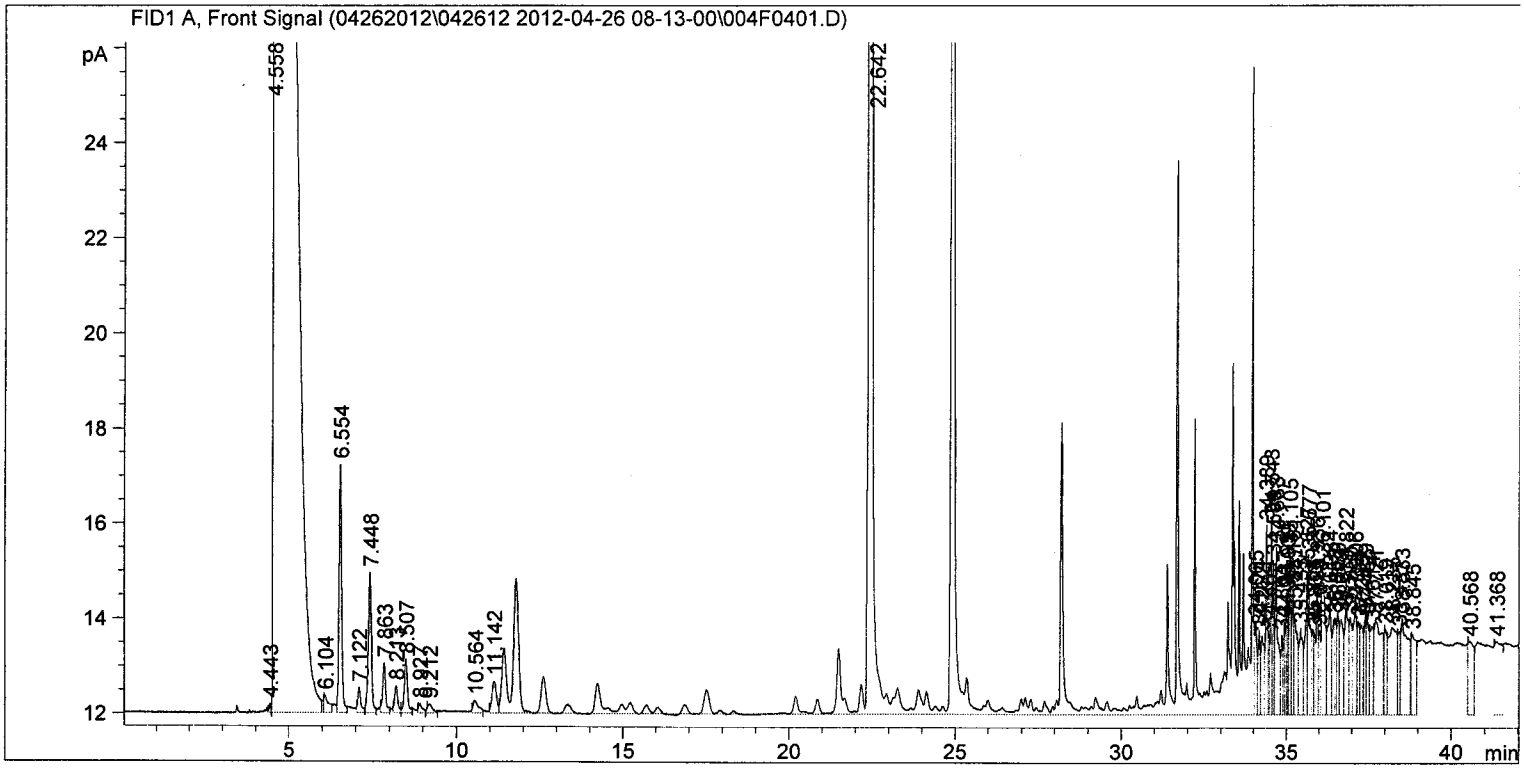
Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
GRO - 8015 (C6-C10)	4.24403	5.943092	22.53667	1.166618	0.99732		0.99	
aaa-Trifluorotoluene	5.510581	4.001646	24.90783	1.058876E-02			20	

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\004F0401.D
Sample Name: 100p0426

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 4/26/2012 10:50:49 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.642	HHA+	0.2690	1125.87036	10.19058	
Totals :				1125.87036	10.1906	

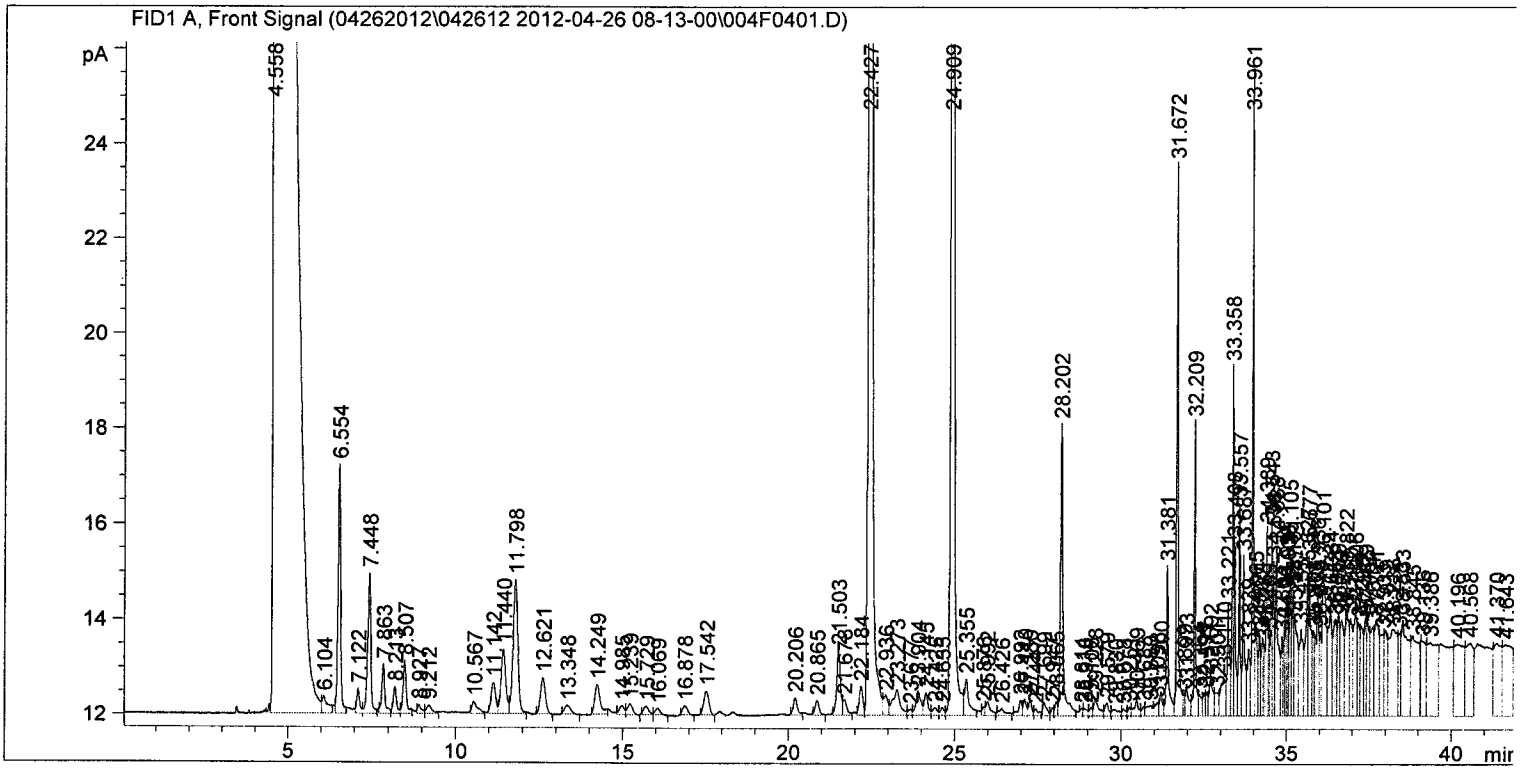
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\004F0401.D
Sample Name: 100p0426

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 4/26/2012 10:50:49 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/12/2012 7:26:55 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 7:26:39 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.440	HH		13.49102	4.83730e-1	6.52602		2-Methylpentane
22.427	HH	I	417.65878	2.23139e-1	93.19587		fluorobenzene
24.909	HH	+	260.23401	3.08071e-1	80.17058		@@@
33.961	HH		34.36179	5.03641e-1	17.30602		1,2,4-Trimethylbenzene

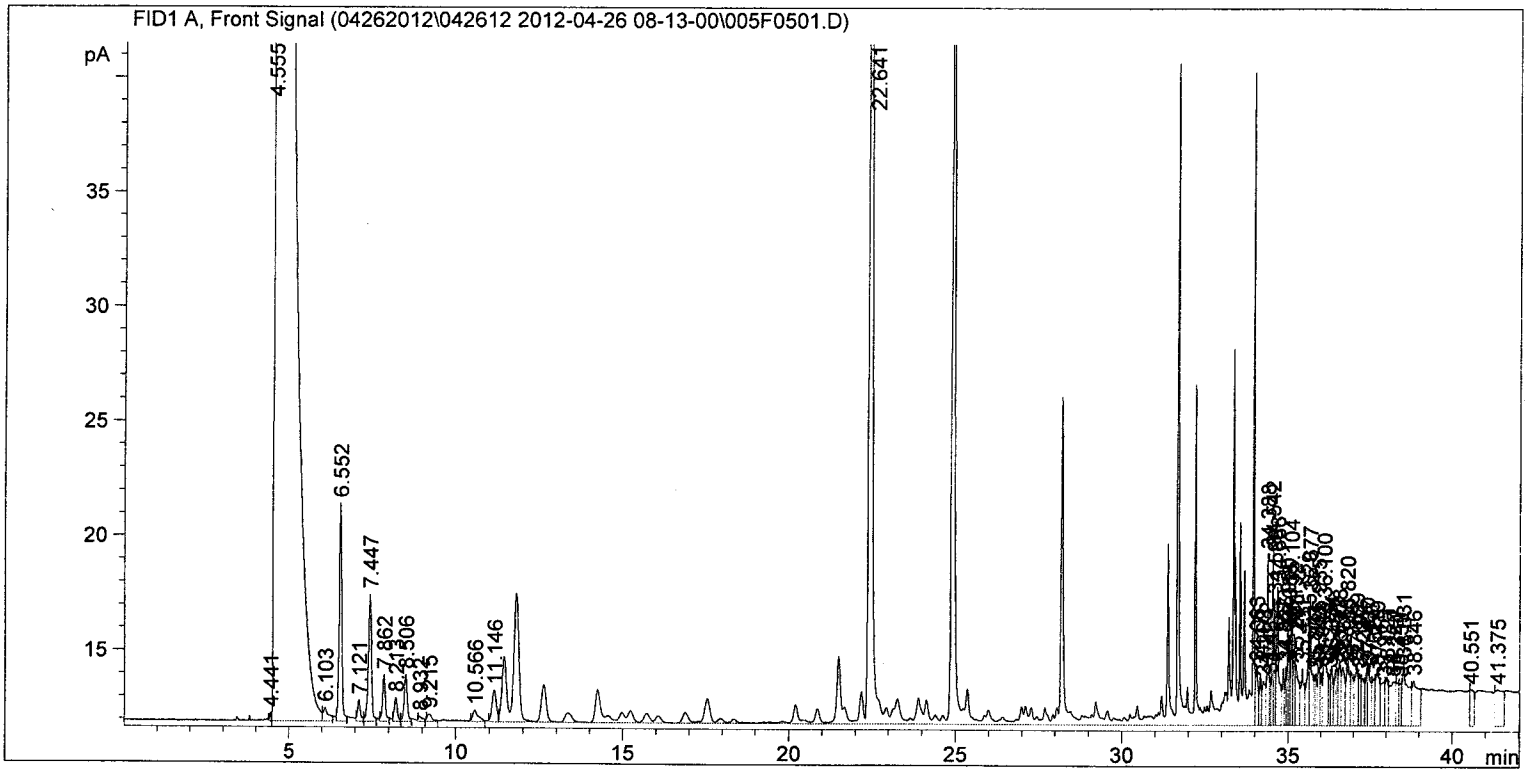
Totals : 197.19848

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\005F0501.D
Sample Name: 200p0426

==========

Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 4/26/2012 11:41:52 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.3779	1606.59949	10.08942	
Totals :				1606.59949	10.0894	

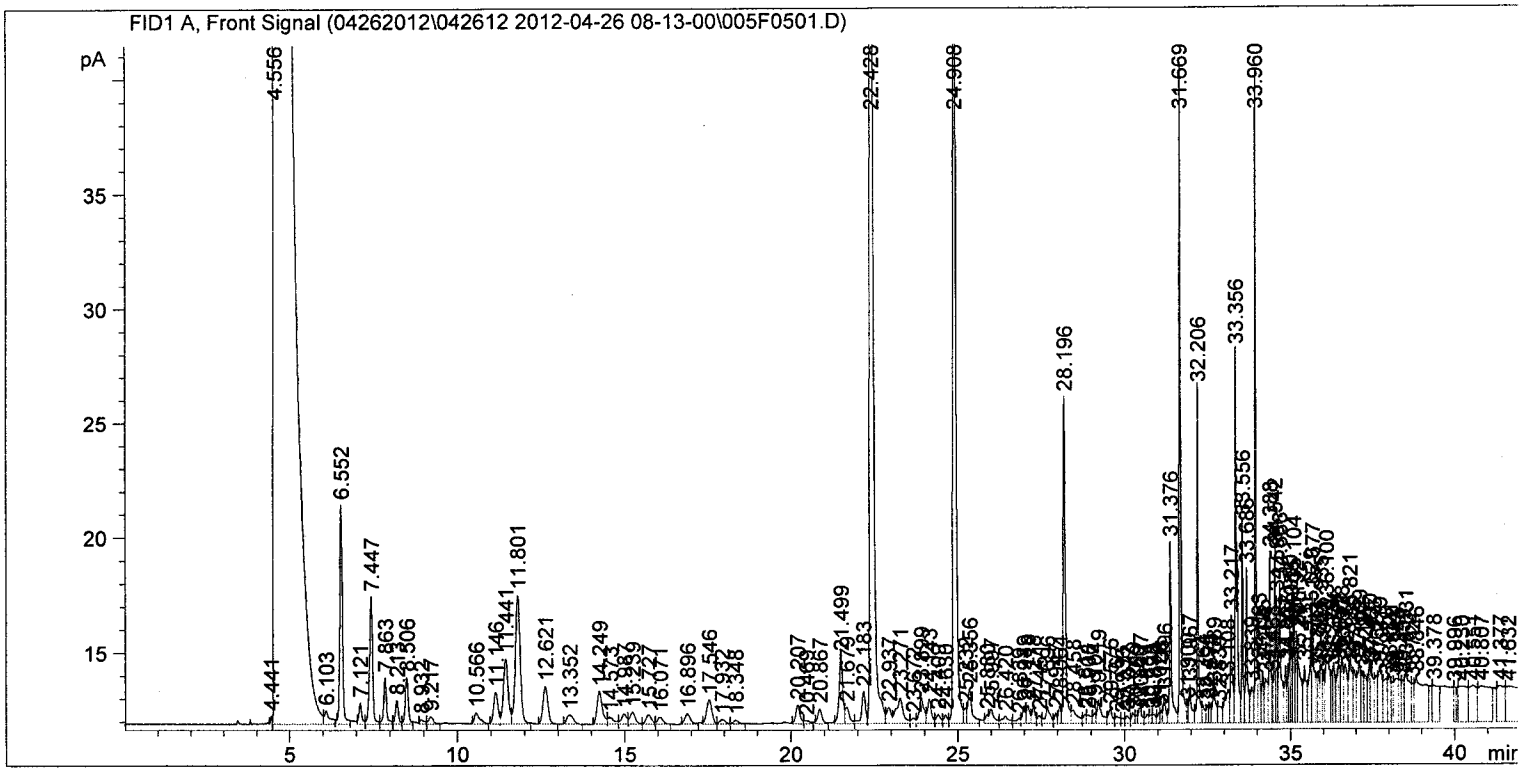
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\005F0501.D
Sample Name: 200p0426

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 4/26/2012 11:41:52 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/12/2012 7:26:55 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 7:26:39 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.441	HH		27.85307	4.83730e-1	13.47338		2-Methylpentane
22.428	HH	I	427.35159	2.23139e-1	95.35871		fluorobenzene
24.908	HH	+	264.59540	3.08071e-1	81.51419		@@@
33.960	HH		63.97923	5.03641e-1	32.22259		1,2,4-Trimethylbenzene

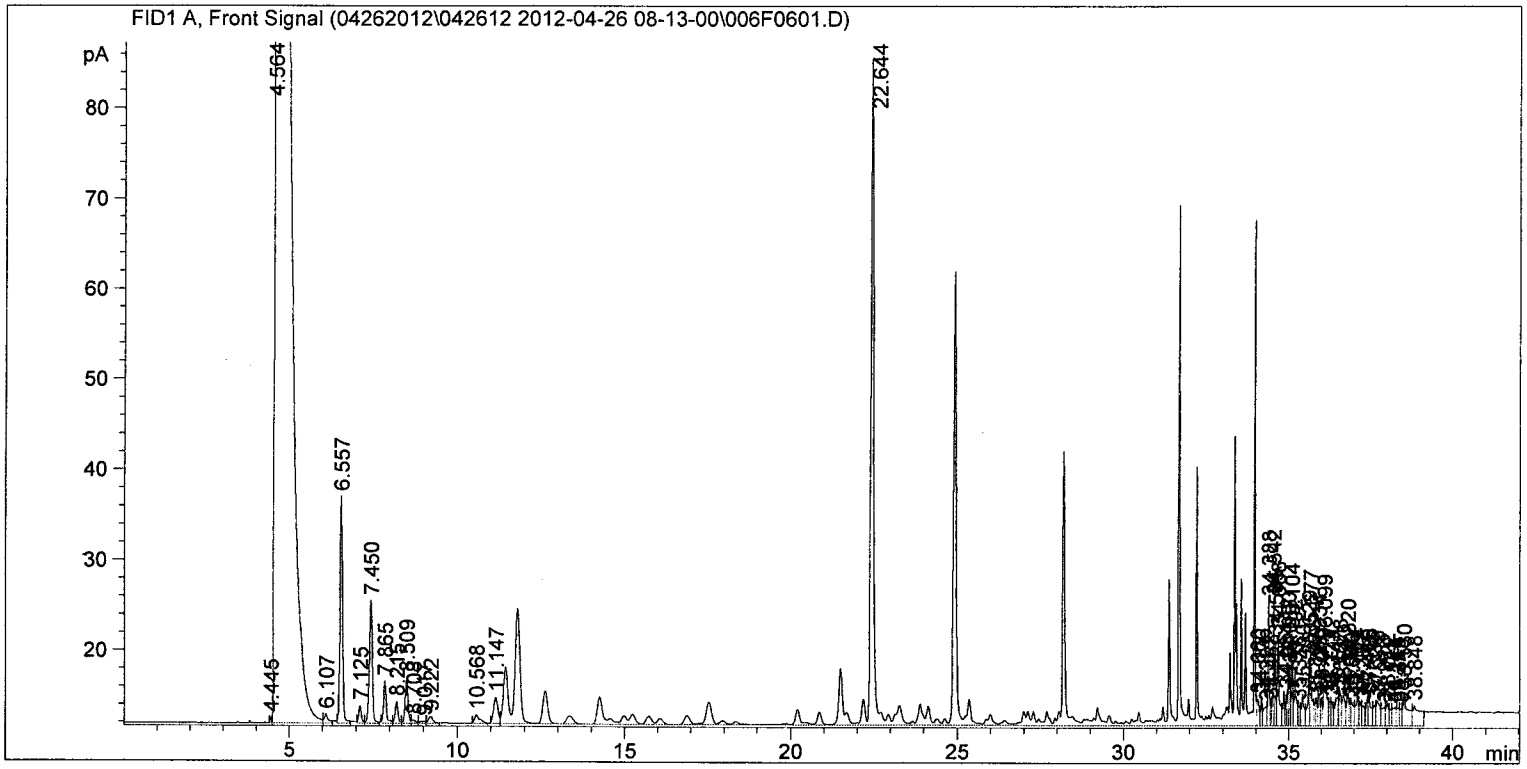
Totals : 222.56887

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\006F0601.D
Sample Name: 400p0426

==========

Acq. Operator	: LEW	Seq. Line	: 6
Acq. Instrument	: 332	Location	: Vial 6
Injection Date	: 4/26/2012 12:28:59 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.5473	2416.31909	11.94533	
Totals :				2416.31909	11.9453	

1 Warnings or Errors :

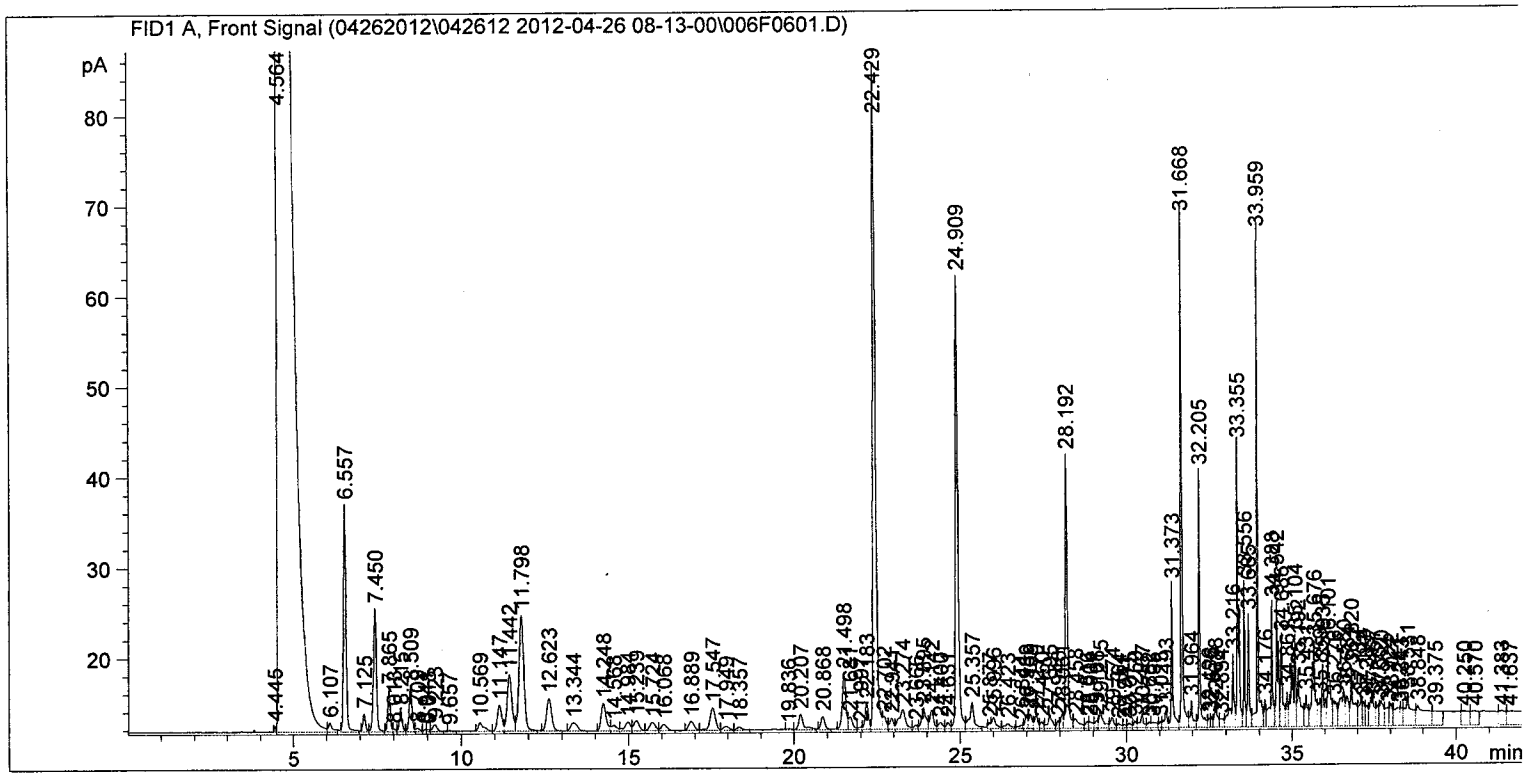
Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\006F0601.D
Sample Name: 400p0426

==========

Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 4/26/2012 12:28:59 PM

Seq. Line : 6
Location : Vial 6
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/12/2012 7:26:55 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 7:26:39 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

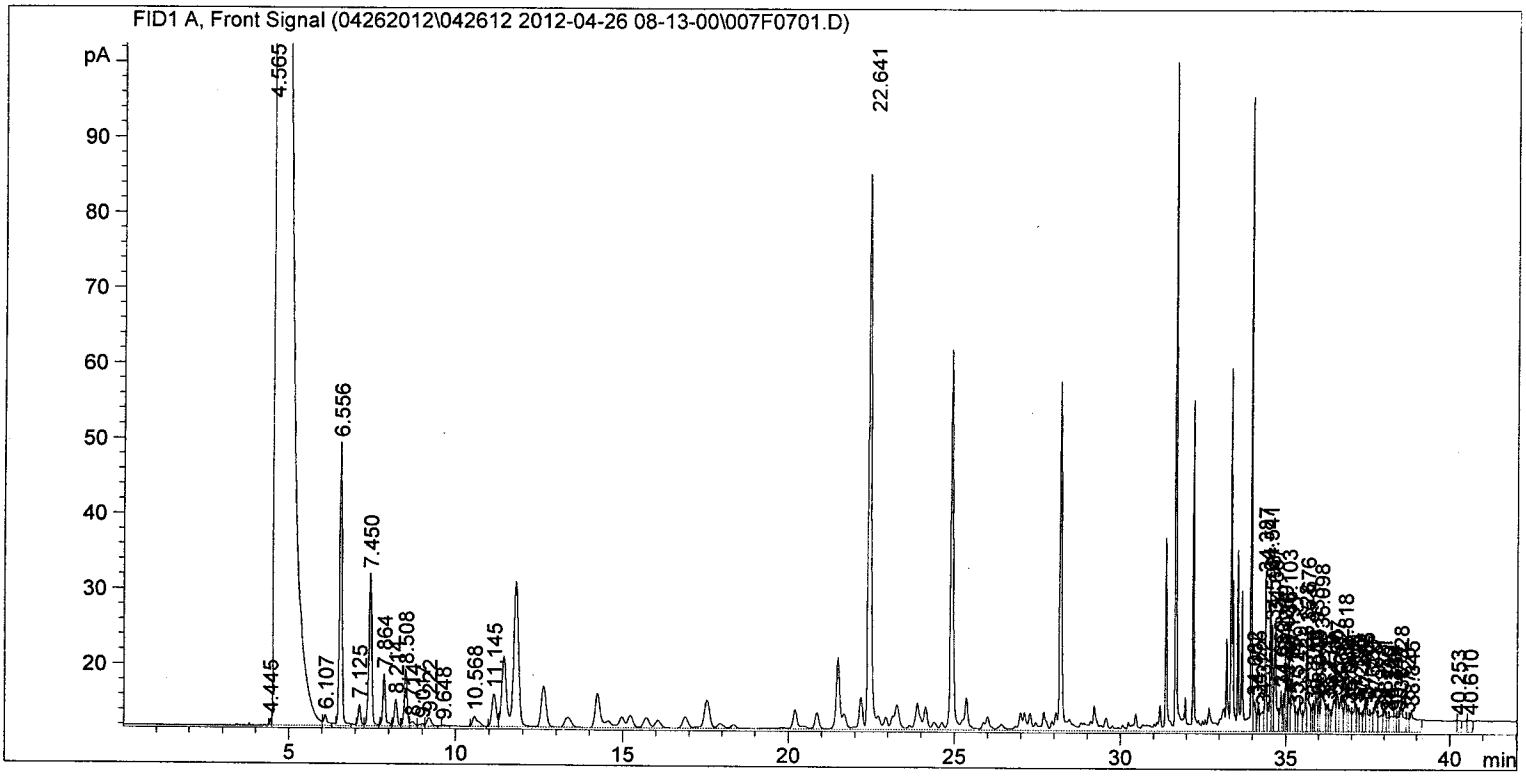
RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.442	HH		61.38933	4.83730e-1	29.69589		2-Methylpentane
22.429	HH	I	437.98663	2.23139e-1	97.73180		fluorobenzene
24.909	HH	+	276.34814	3.08071e-1	85.13488		@@@
33.959	HH		142.94342	5.03641e-1	71.99222		1,2,4-Trimethylbenzene

Totals : 284.55479

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\007F0701.D
Sample Name: 600p0426

Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/26/2012 1:16:12 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



Area Percent Report

Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.6101	3218.13257	11.98708	
Totals :				3218.13257	11.9871	

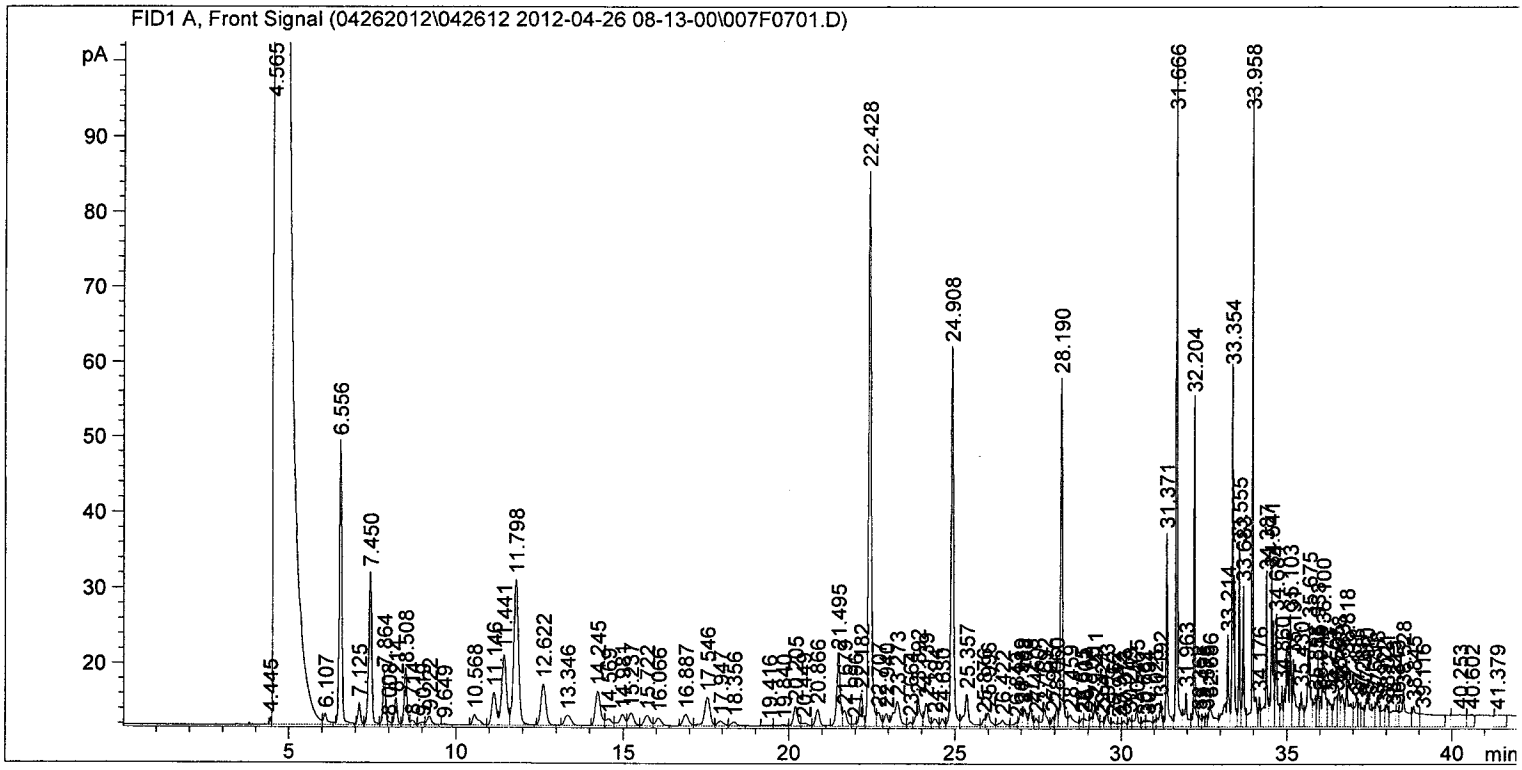
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\007F0701.D
Sample Name: 600p0426

==========

Acq. Operator	: LEW	Seq. Line	: 7
Acq. Instrument	: 332	Location	: Vial 7
Injection Date	: 4/26/2012 1:16:12 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/26/2012 3:09:01 PM by LEW
(modified after loading)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:09:01 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.441	HH		91.69128	4.83730e-1	44.35387		2-Methylpentane
22.428	HH	I	441.82025	1.51678e-1	67.01431		fluorobenzene
24.908	HH	+	280.03552	2.28149e-1	63.88986		@@@
33.958	HH		205.13625	4.39338e-1	90.12413		1,2,4-Trimethylbenzene

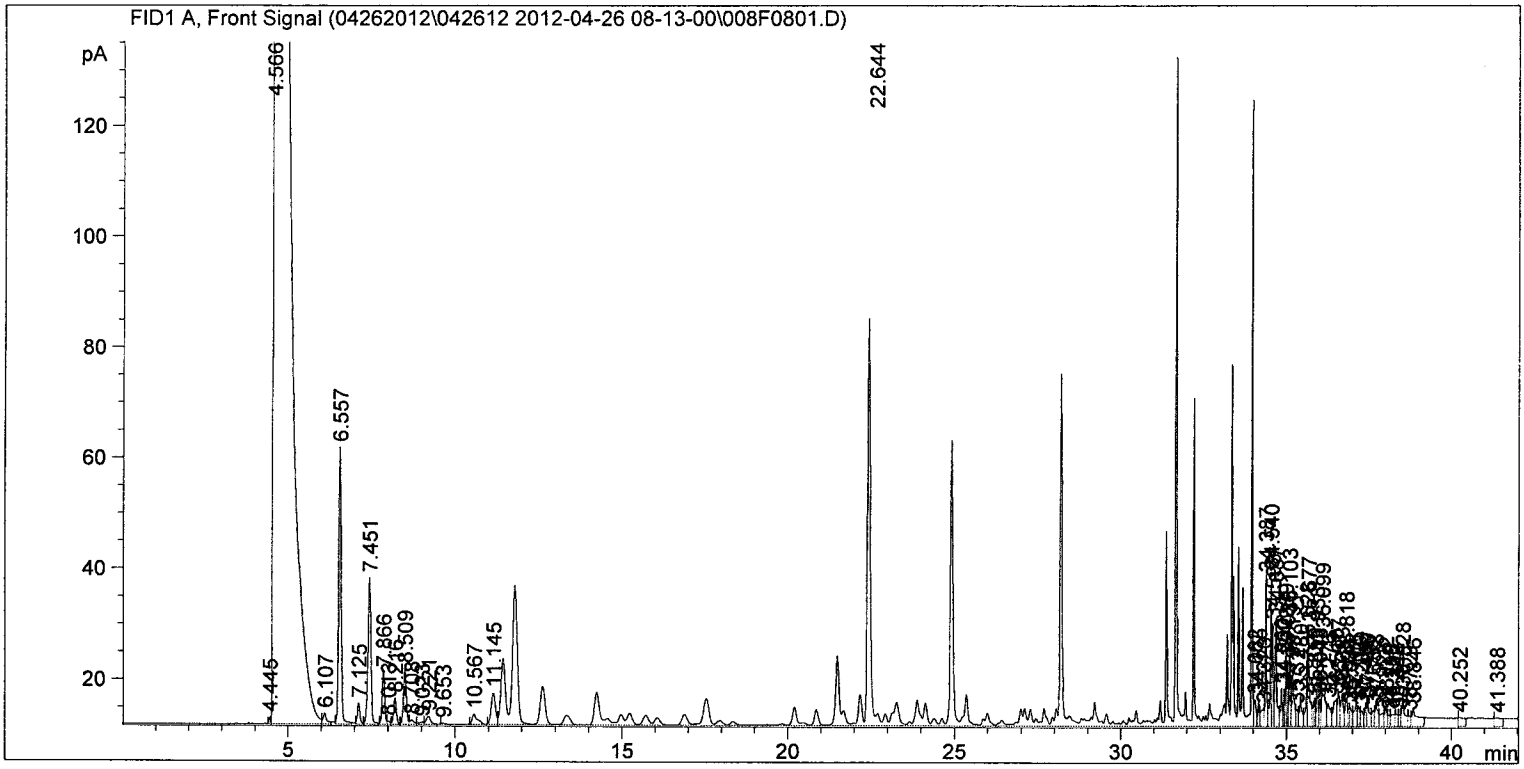
Totals : 265.38217

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\008F0801.D
Sample Name: 800p0426

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/26/2012 2:03:26 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.5597	4020.04272	11.72794	

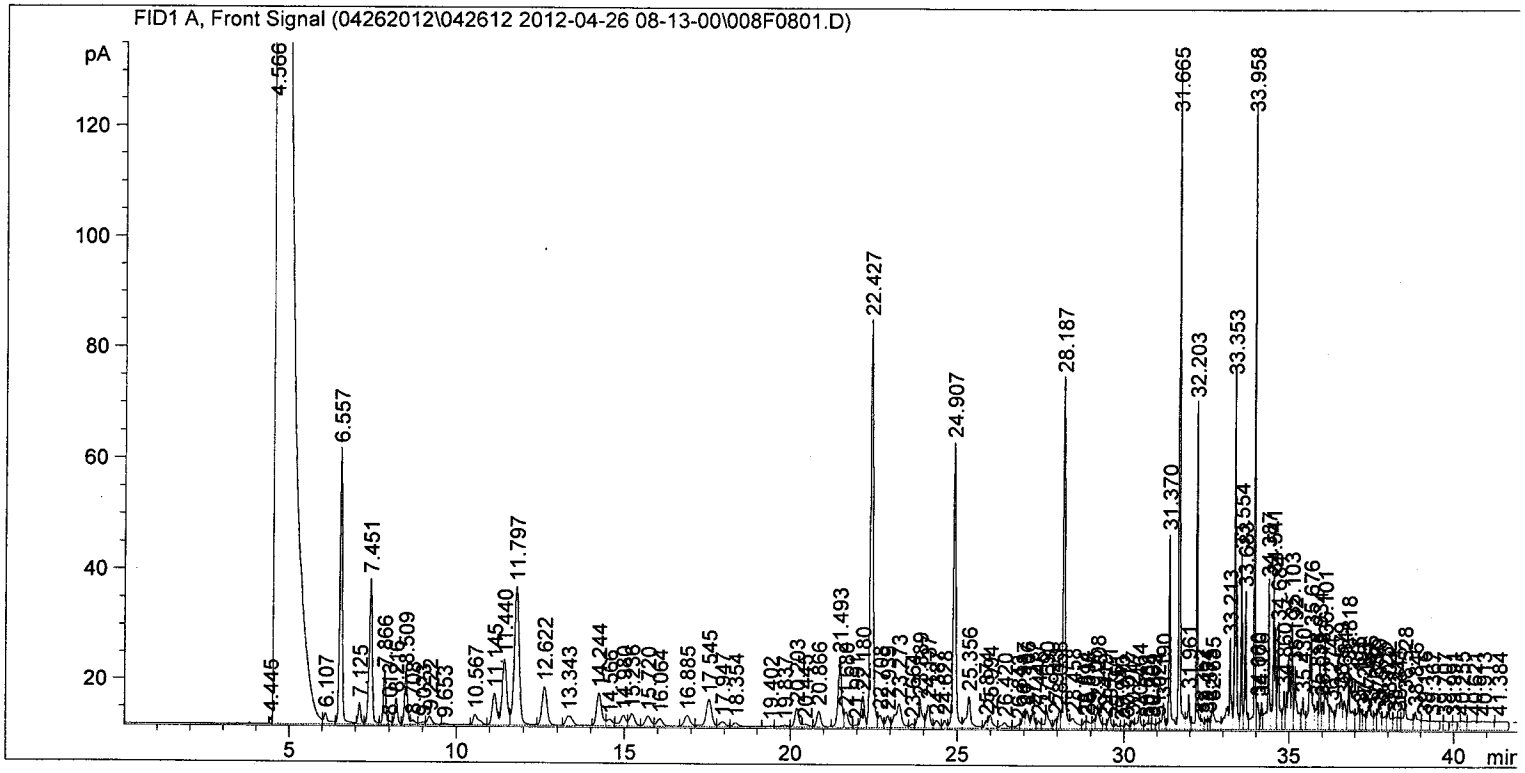
Totals : 4020.04272 11.7279

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\008F0801.D
Sample Name: 800p0426

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/26/2012 2:03:26 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_041112.M		
Last changed	: 4/26/2012 3:09:19 PM by LEW (modified after loading)		
Method Info	: Instr. #332. EPAGRO 8015C		



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:09:19 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.440	HH		116.69171	4.83730e-1	56.44734		2-Methylpentane
22.427	HH	I	442.16409	1.36578e-1	60.38974		fluorobenzene
24.907	HH	+	288.70993	2.09315e-1	60.43124		@@@
33.958	HH		245.71927	3.84464e-1	94.47017		1,2,4-Trimethylbenzene

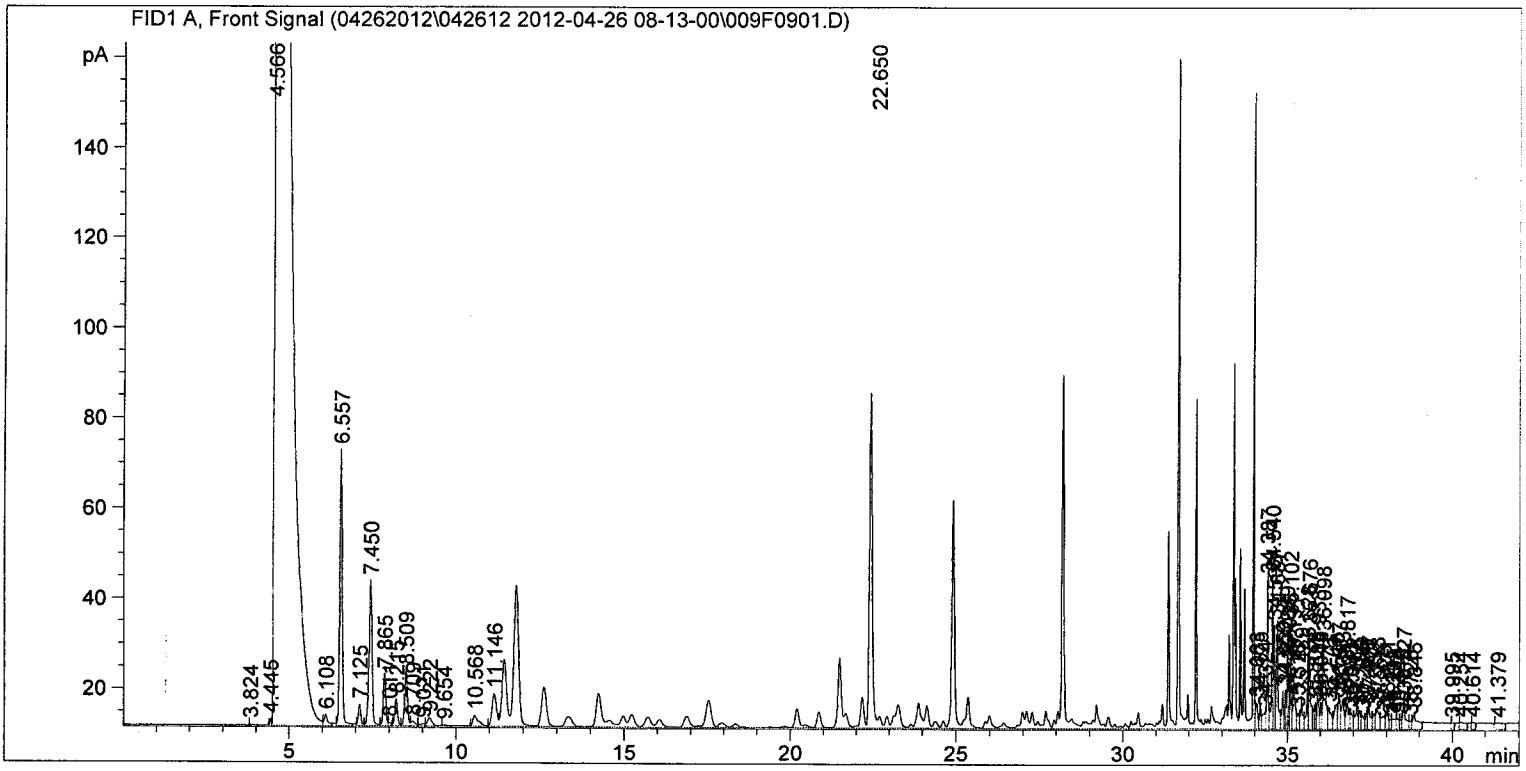
Totals : 271.73849

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\009F0901.D
Sample Name: 1000p0426

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 4/26/2012 2:50:31 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.650	HHA+	0.5232	4612.37402	11.62456	

Totals : 4612.37402 11.6246

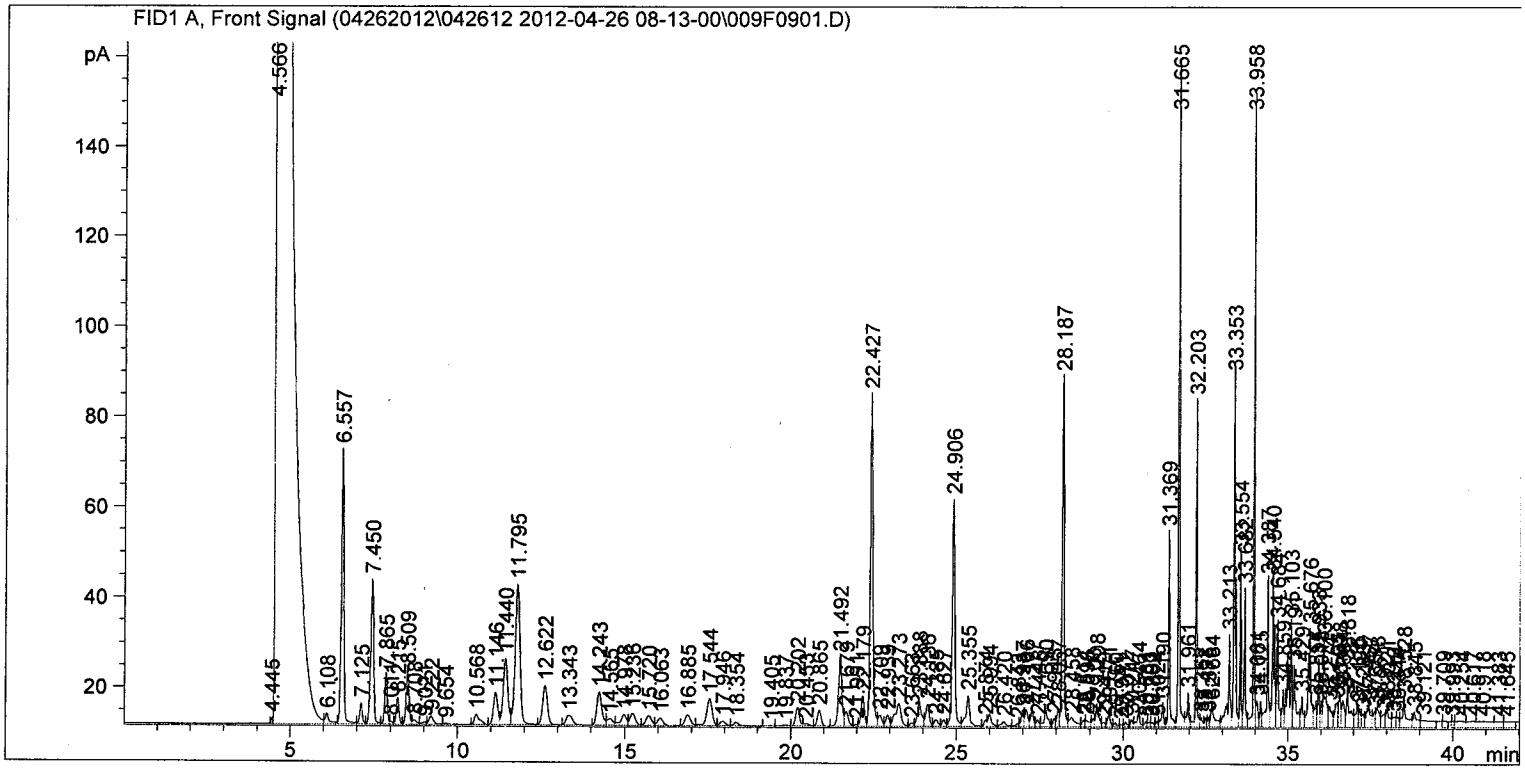
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\009F0901.D
Sample Name: 1000p0426

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 4/26/2012 2:50:31 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/26/2012 3:33:34 PM by LEW
(modified after loading)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

==========

Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.440	HH		143.09363	3.49422e-1	50.00000		2-Methylpentane
22.427	HH	I	444.87363	1.14861e-1	51.09858		fluorobenzene
24.906	HH	+	283.25125	1.81469e-1	51.40134		@@@
33.958	HH		300.26569	3.02296e-1	90.76904		1,2,4-Trimethylbenzene

Totals : 243.26896

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2F04008

SDG: KNM050712

Project: KNM

Calibration Date: 05/30/12 00:00

Instrument: 332

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
GRO - 8015 (C6-C10)	100	4.9302	200	4.44925	400	4.06	600	3.972983	800	3.911425	1000	3.75751
aaa-Trifluorotoluene	50	4.252768	50	4.424184	50	4.220658	50	4.591718	50	4.598308	50	4.571704

INITIAL CALIBRATION DATA (Continued)

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2F04008

SDG: KNM050712

Project: KNM

Calibration Date: 05/30/12 00:00

Instrument: 332

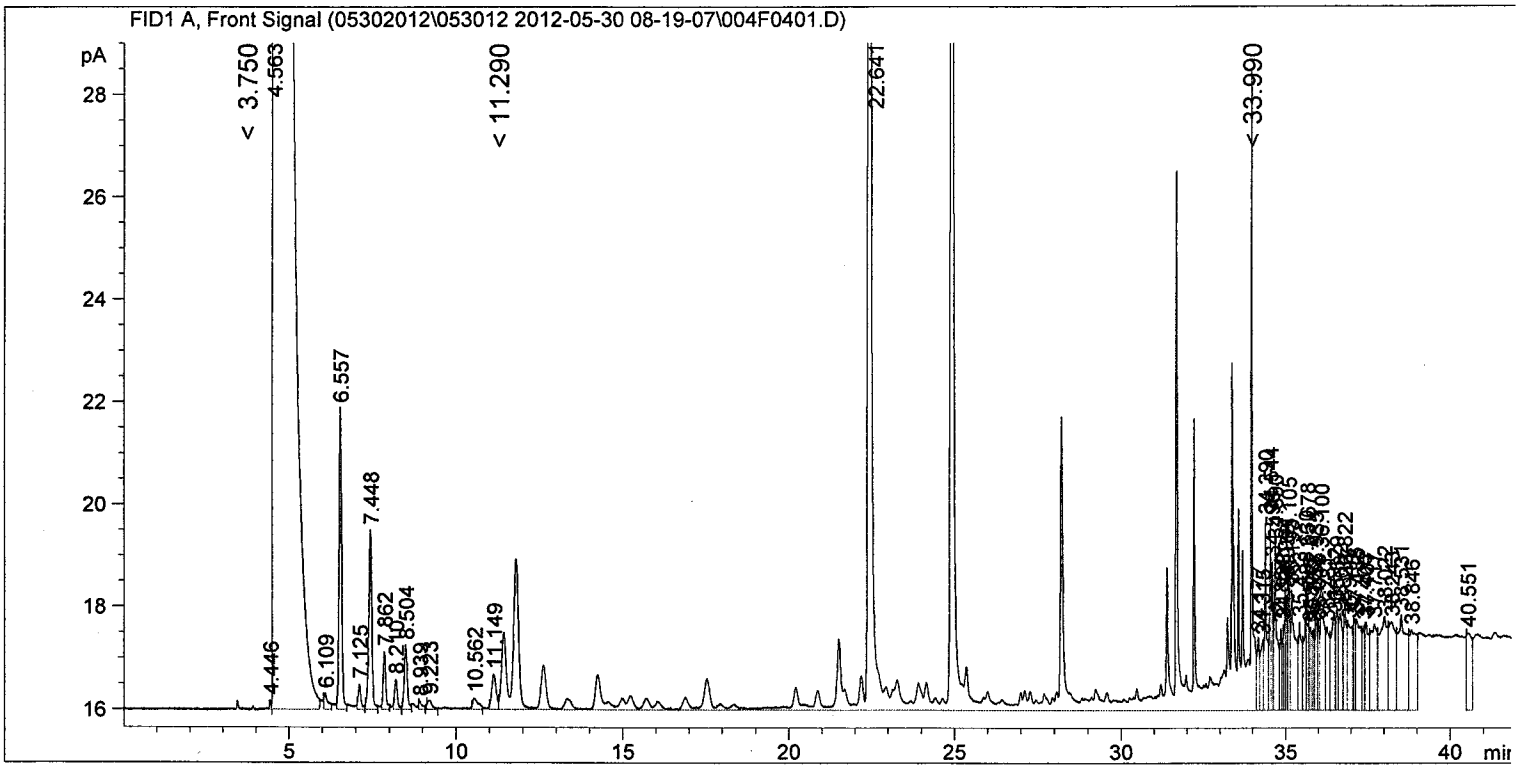
Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
GRO - 8015 (C6-C10)	4.180228	10.38993	22.6065	0.3805294	0.99910		0.99	
aaa-Trifluorotoluene	4.443223	3.882306	24.91483	8.258301E-03			20	

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\004F0401.D
Sample Name: 100P0530

==========

Acq. Operator	: LEW	Seq. Line	: 4
Acq. Instrument	: 332	Location	: Vial 4
Injection Date	: 5/30/2012 10:50:36 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

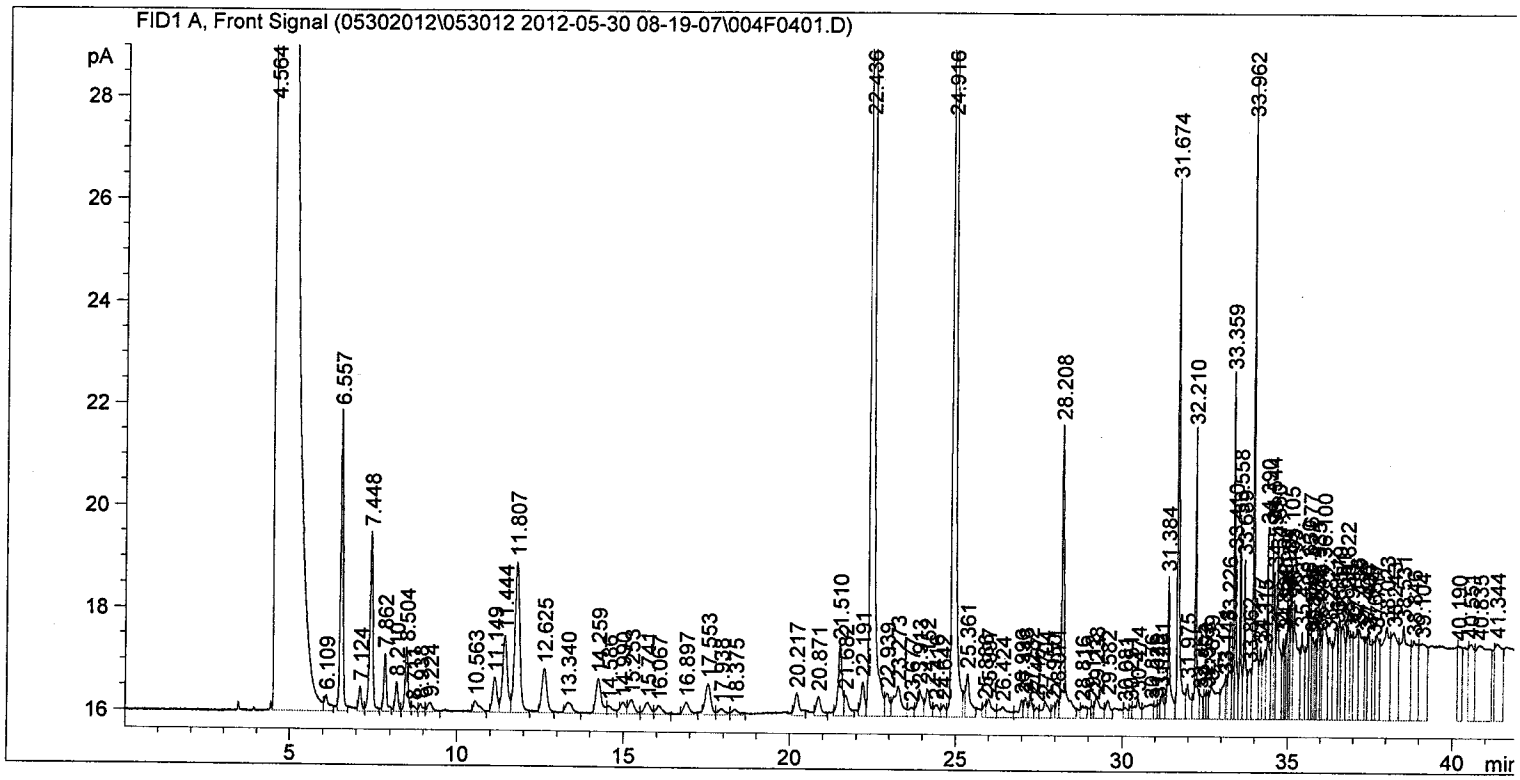
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.3586	987.68542	10.34326	

Totals : 987.68542 10.3433

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\004F0401.D
Sample Name: 100P0530

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 5/30/2012 10:50:36 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_042612.M		
Last changed	: 4/26/2012 3:34:23 PM by LEW		
Method Info	: Instr. #332. EPAGRO 8015C		



External Standard Report

Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.444	HH		15.04473	3.49422e-1	5.25695		2-Methylpentane
22.436	HH	I	282.03198	1.14861e-1	32.39445		fluorobenzene
24.916	HH	+	212.63843	1.81469e-1	38.58730		@@@
33.962	HH		37.95654	3.02296e-1	11.47410		1,2,4-Trimethylbenzene

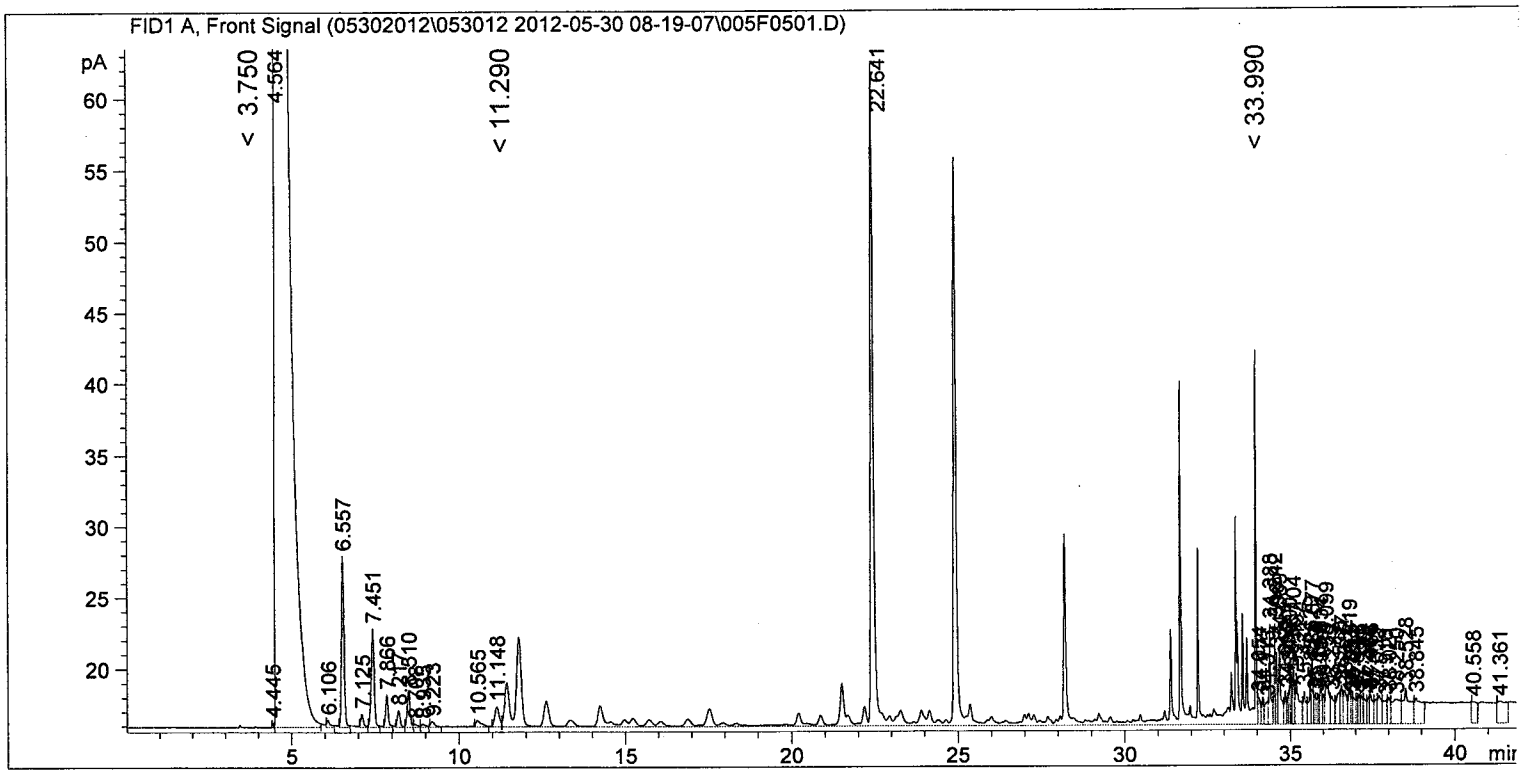
Totals : 87.71280

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\005F0501.D
Sample Name: 200P0530

==========

Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 5/30/2012 11:37:43 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.5025	1397.62756	11.27879	
Totals :				1397.62756	11.2788	

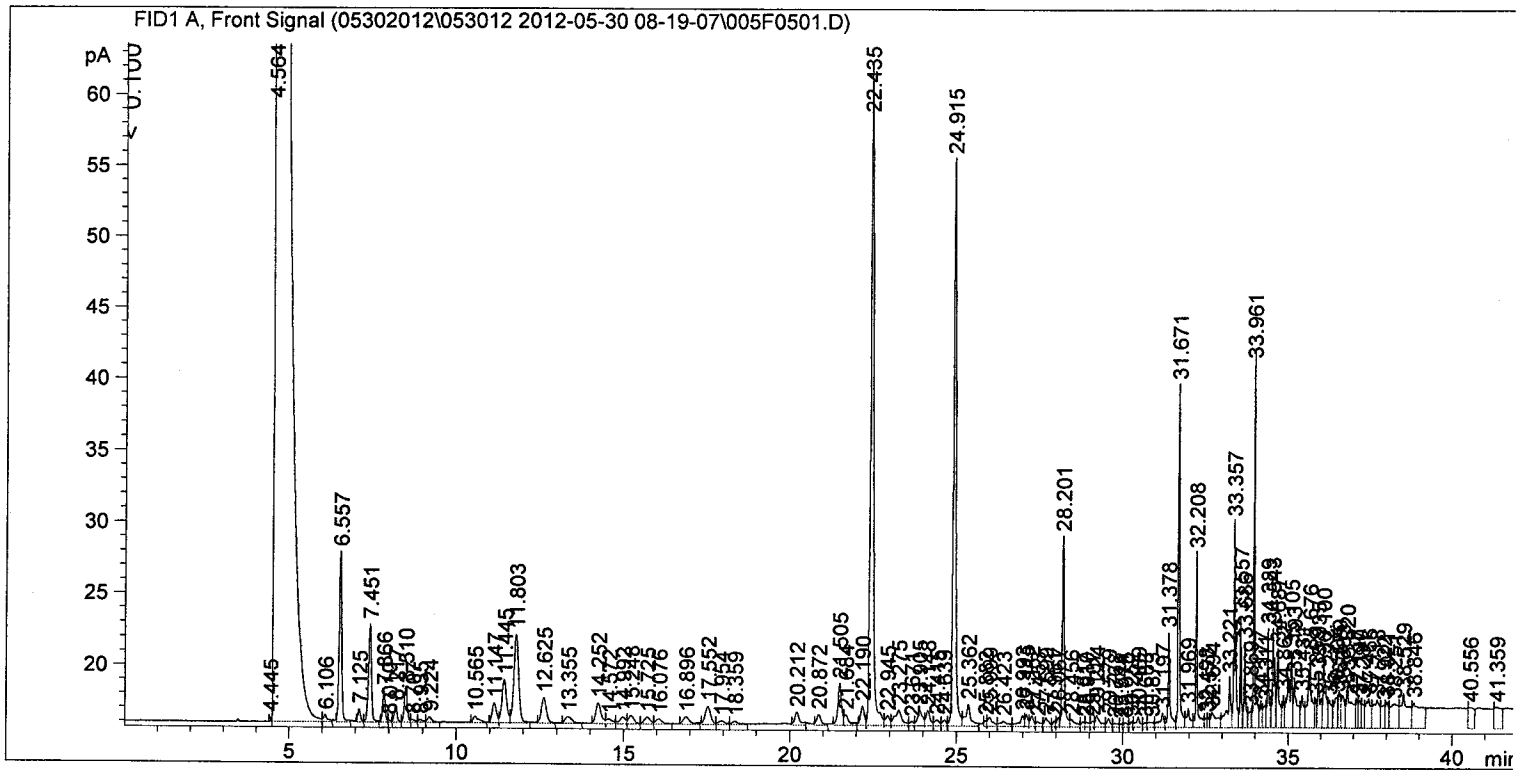
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\005F0501.D
Sample Name: 200P0530

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 5/30/2012 11:37:43 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.445	HH		30.77842	3.49422e-1	10.75464		2-Methylpentane
22.435	HH	I	286.56351	1.14861e-1	32.91494		fluorobenzene
24.915	HH	+	221.20915	1.81469e-1	40.14262		@@@
33.961	HH		68.31901	3.02296e-1	20.65255		1,2,4-Trimethylbenzene

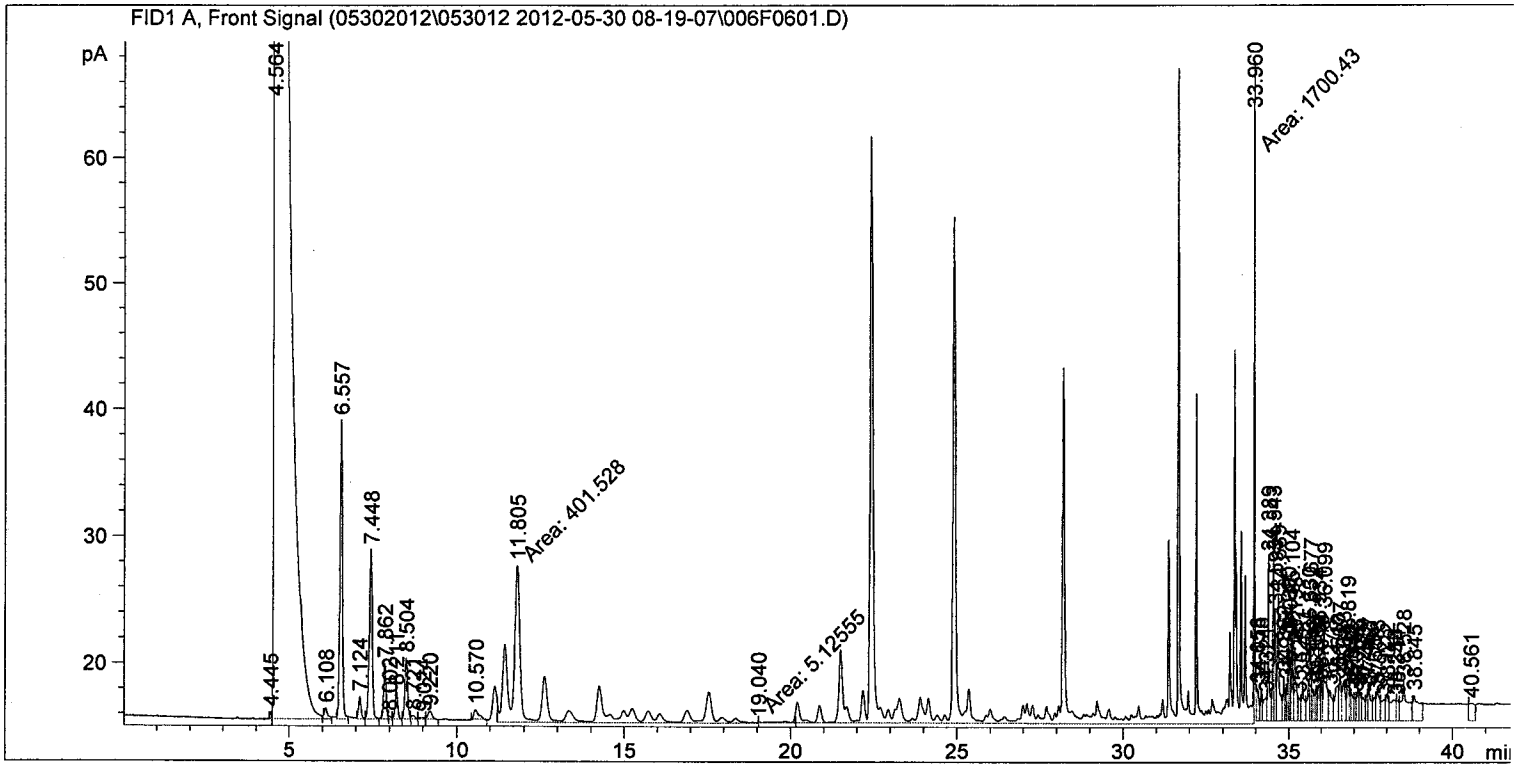
Totals : 104.46475

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\006F0601.D
Sample Name: 400P0530

==========

Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 5/30/2012 12:24:56 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes (No)
Analyst: LEW Date: 5-31-12
Reviewed By: [illegible] Date: 6-4-12

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.431		0.0000	0.00000	0.00000	
Totals :				0.00000	0.0000	

401.528
+ 5.12555
1700.43
2107.08355

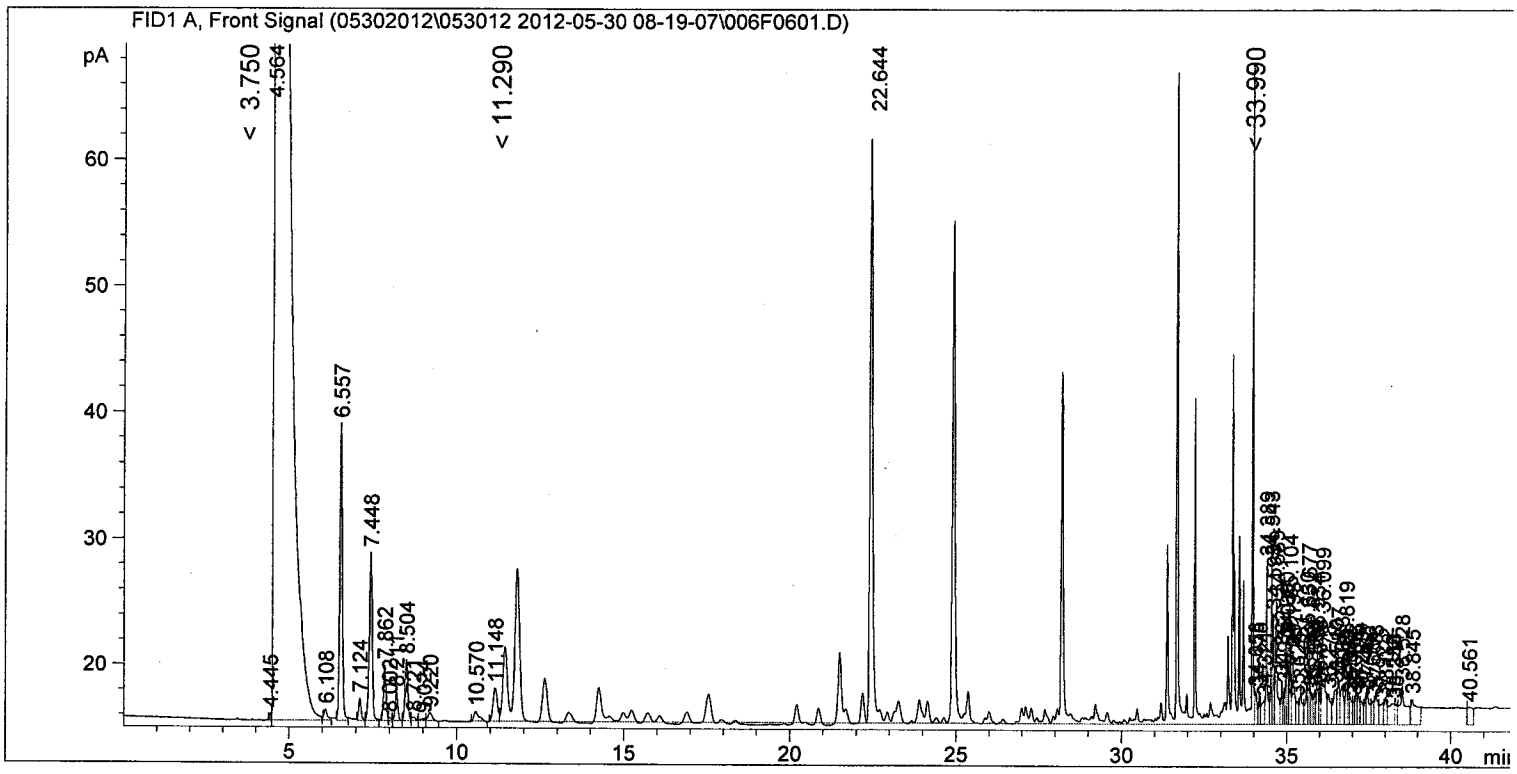
2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\006F0601.D
Sample Name: 400P0530

==========

Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 5/30/2012 12:24:56 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

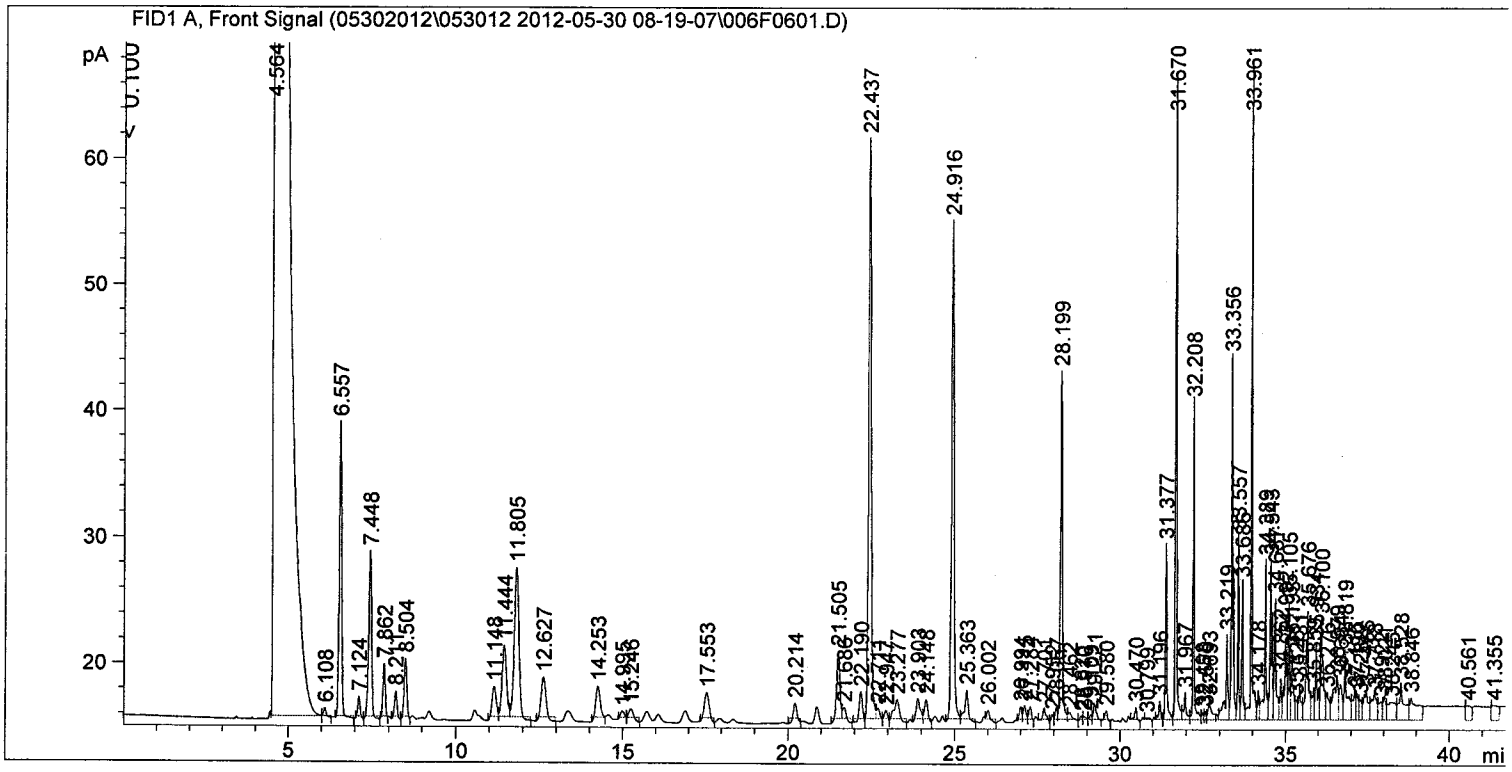
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.6011	1846.18884	11.29336	

Totals : 1846.18884 11.2934

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\006F0601.D
Sample Name: 400P0530

Acq. Operator	: LEW	Seq. Line	: 6
Acq. Instrument	: 332	Location	: Vial 6
Injection Date	: 5/30/2012 12:24:56 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_042612.M		
Last changed	: 4/26/2012 3:34:23 PM by LEW		
	(Current integration events modified)		
Method Info	: Instr. #332. EPAGRO 8015C		



External Standard Report

Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.444	HH		52.18946	3.49422e-1	18.23612		2-Methylpentane
22.437	HH	I	272.05057	1.14861e-1	31.24797		fluorobenzene
24.916	HH	+	211.03291	1.81469e-1	38.29595		@@@
33.961	HH		124.74760	3.02296e-1	37.71067		1,2,4-Trimethylbenzene

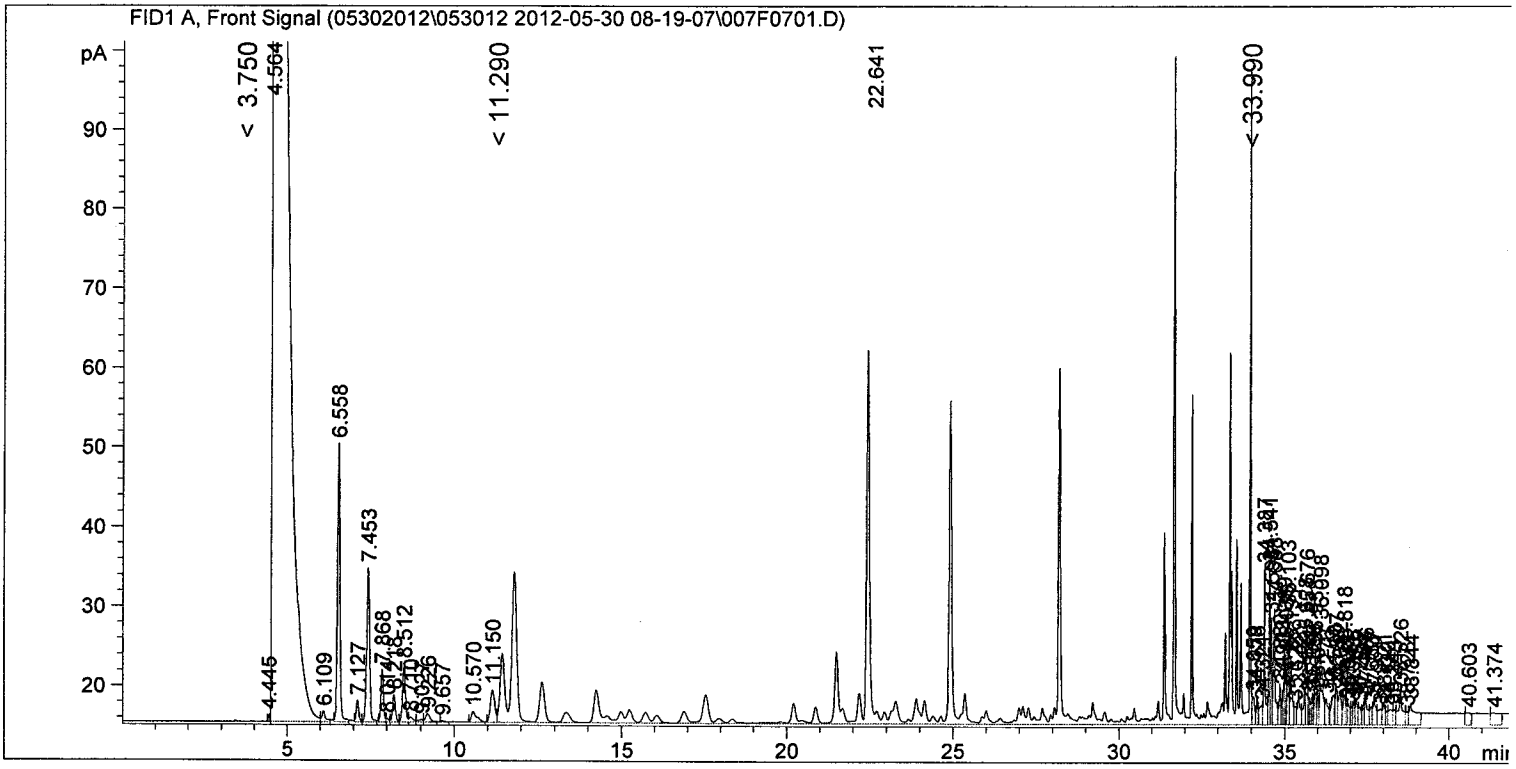
Totals : 125.49071

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\007F0701.D
Sample Name: 600P0530

==========

Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 5/30/2012 1:12:03 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.5898	2900.02881	11.96708	

Totals : 2900.02881 11.9671

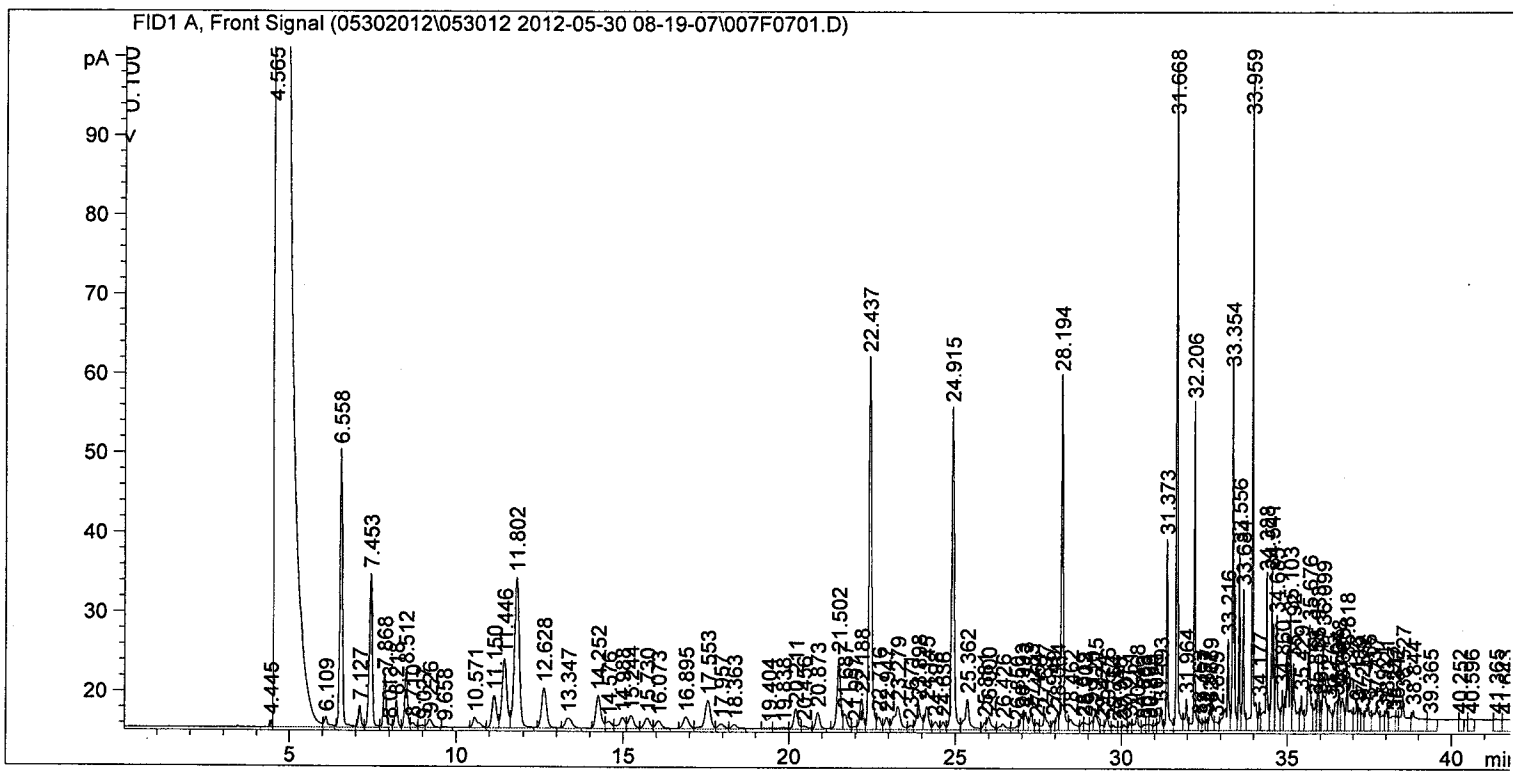
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\007F0701.D
Sample Name: 600P0530

==========

Acq. Operator	: LEW	Seq. Line	: 7
Acq. Instrument	: 332	Location	: Vial 7
Injection Date	: 5/30/2012 1:12:03 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.446	HH		85.89964	3.49422e-1	30.01519		2-Methylpentane
22.437	HH	I	286.65717	1.14861e-1	32.92570		fluorobenzene
24.915	HH	+	229.58591	1.81469e-1	41.66274		@@@
33.959	HH		196.22855	3.02296e-1	59.31905		1,2,4-Trimethylbenzene

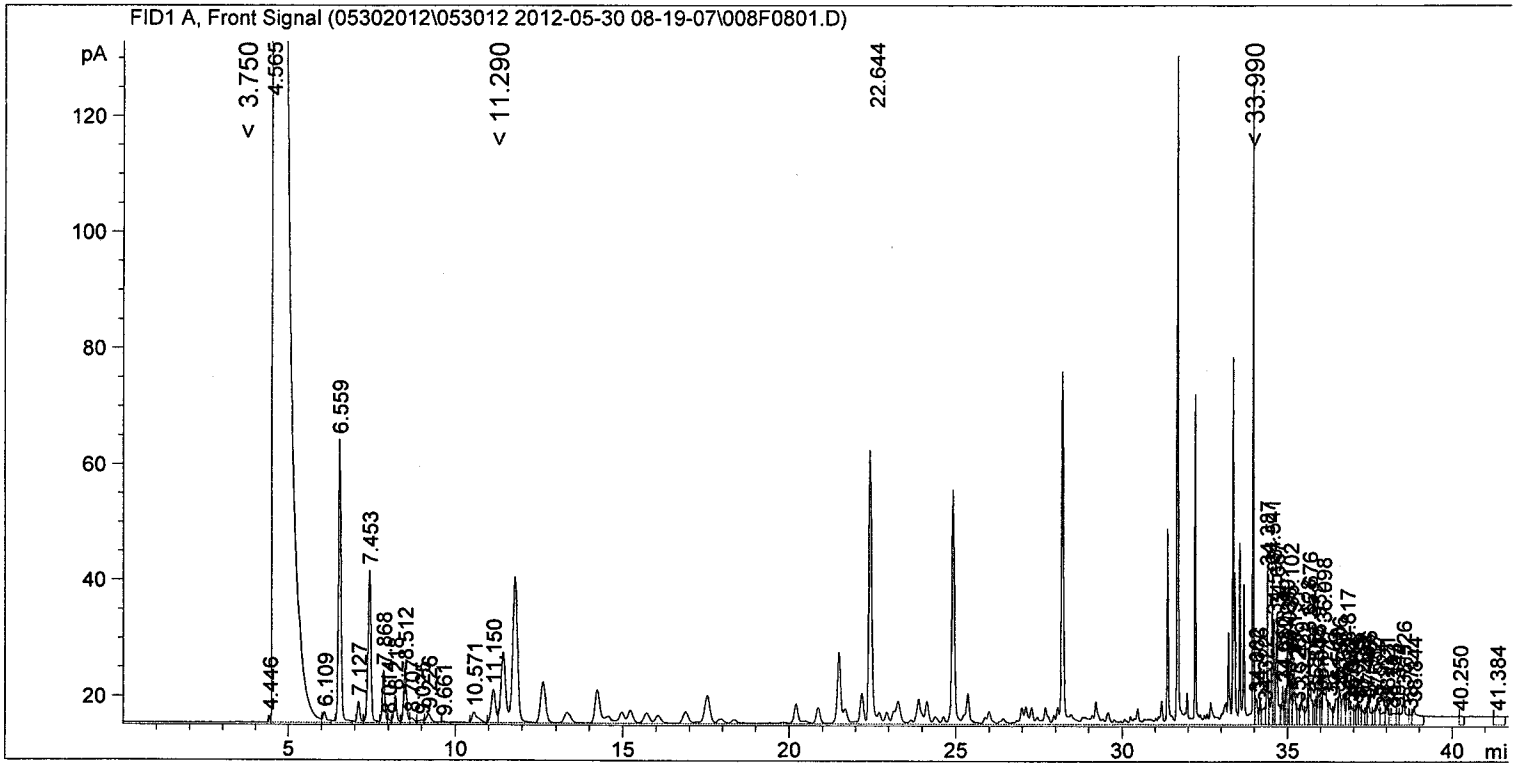
Totals : 163.92268

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\008F0801.D
Sample Name: 800P0530

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 5/30/2012 1:59:12 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.5419	3649.38062	12.07494	

Totals : 3649.38062 12.0749

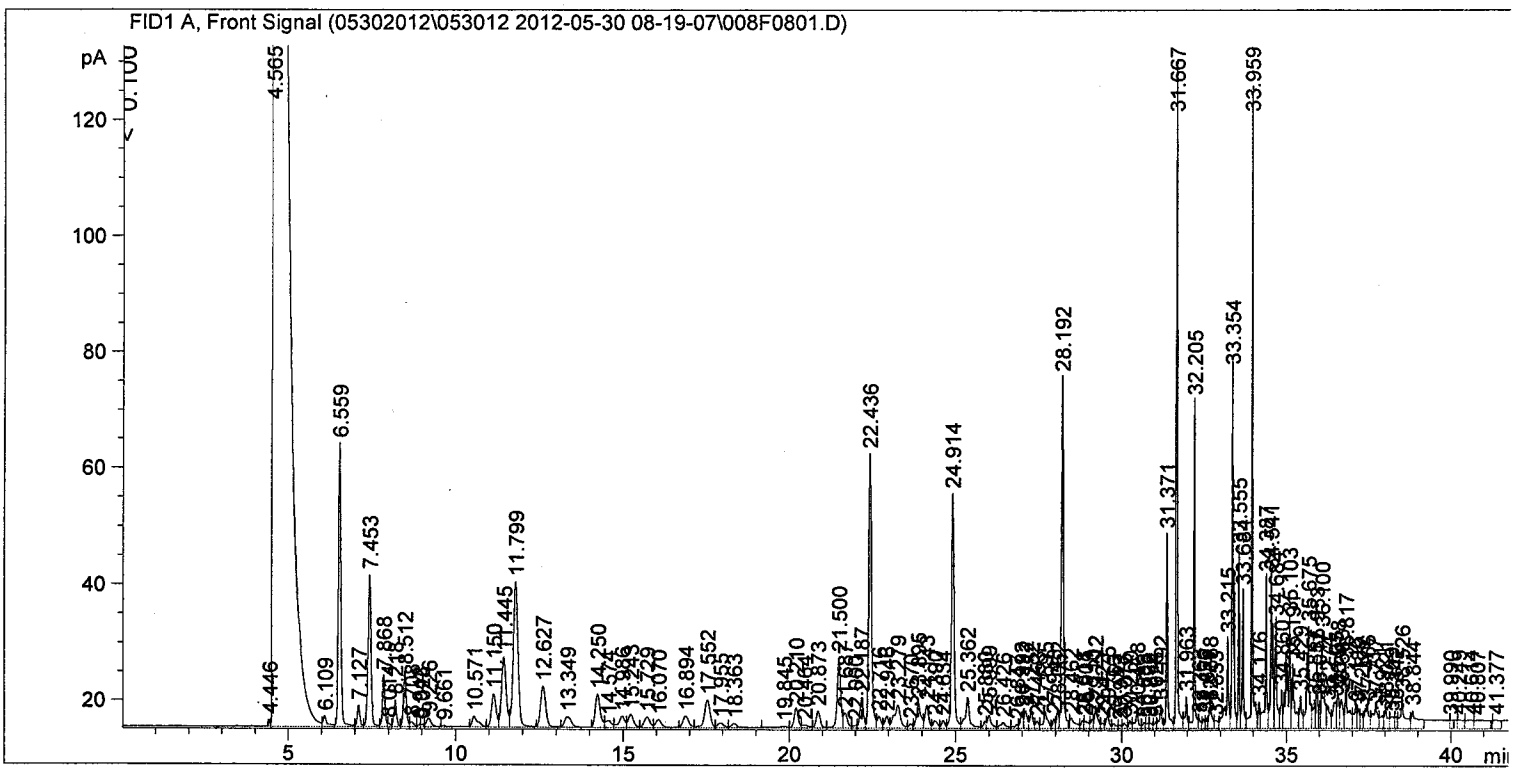
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\008F0801.D
Sample Name: 800P0530

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 5/30/2012 1:59:12 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.445	HH		119.16272	3.49422e-1	41.63802		2-Methylpentane
22.436	HH	I	290.32645	1.14861e-1	33.34716		fluorobenzene
24.914	HH	+	229.91537	1.81469e-1	41.72253		@@@
33.959	HH		258.38092	3.02296e-1	78.10745		1,2,4-Trimethylbenzene

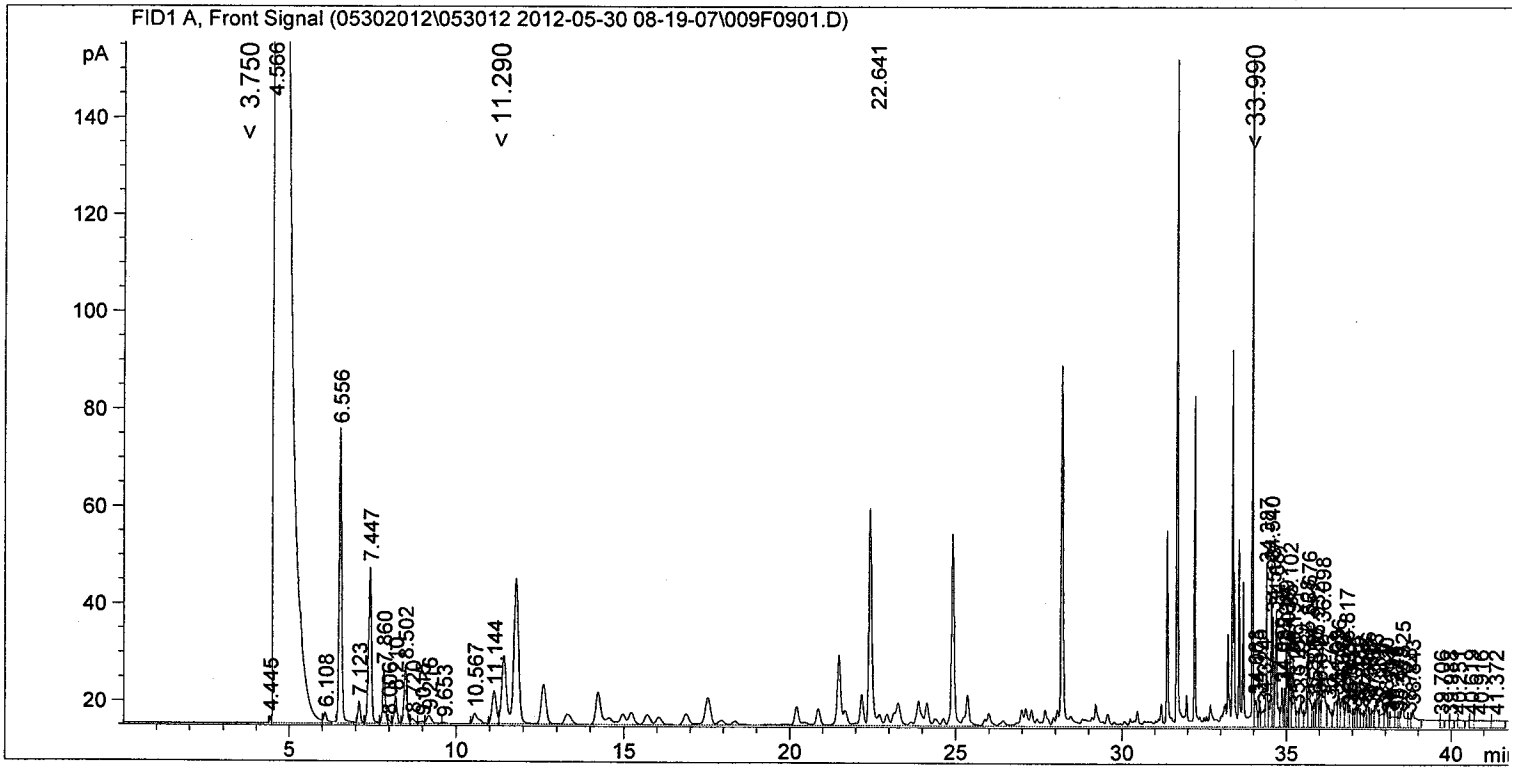
Totals : 194.81516

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\009F0901.D
Sample Name: 1000P0530

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 5/30/2012 2:46:29 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.5240	4265.85547	11.84406	

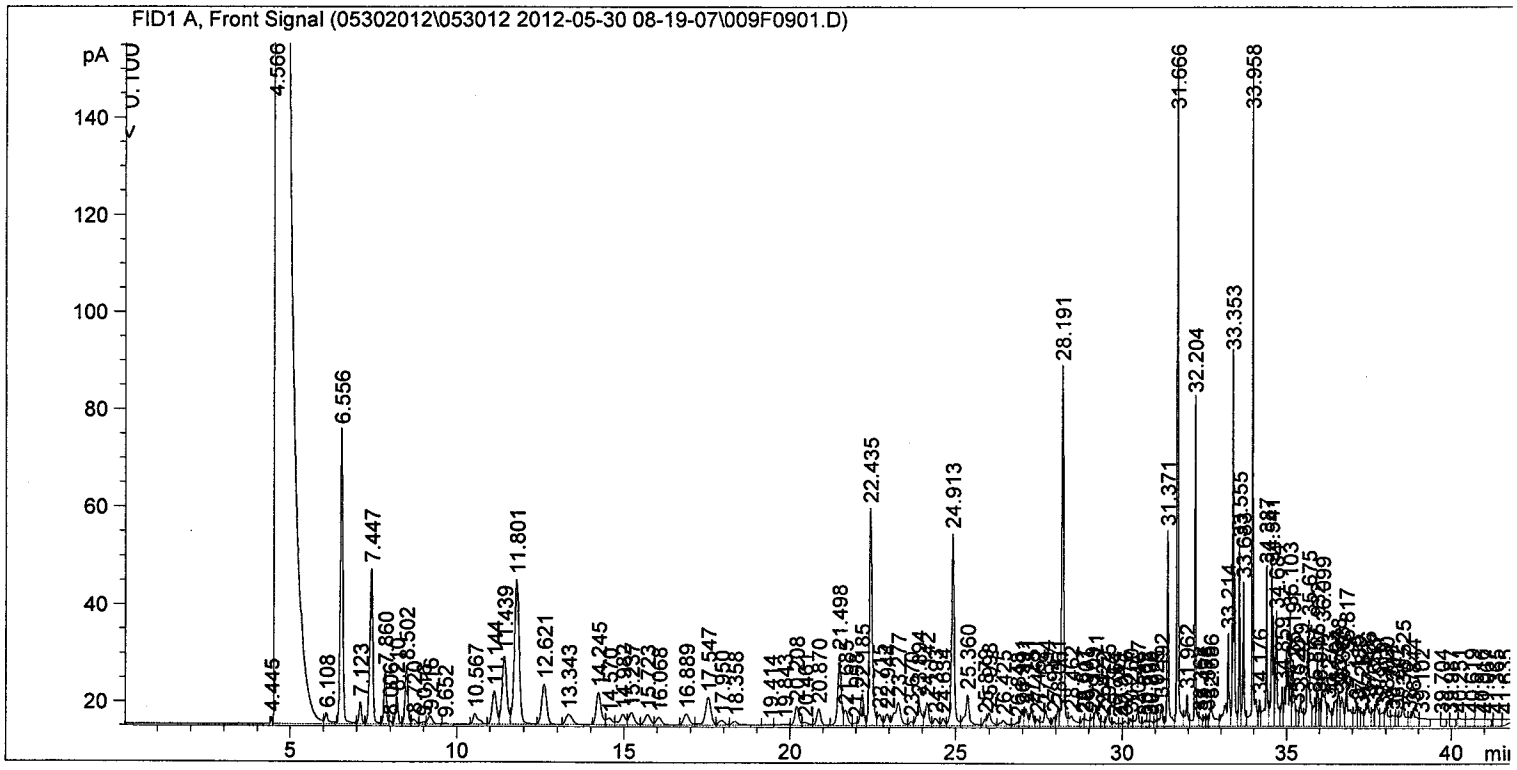
Totals : 4265.85547 11.8441

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\009F0901.D
Sample Name: 1000P0530

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 5/30/2012 2:46:29 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_042612.M		
Last changed	: 4/26/2012 3:34:23 PM by LEW		
	(Current integration events modified)		
Method Info	: Instr. #332. EPAGRO 8015C		



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.439	HH		138.35153	3.49422e-1	48.34301		2-Methylpentane
22.435	HH	I	279.76984	1.14861e-1	32.13461		fluorobenzene
24.913	HH	+	228.58521	1.81469e-1	41.48115		@@@
33.958	HH		317.71887	3.02296e-1	96.04506		1,2,4-Trimethylbenzene

Totals : 218.00383

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2D30016-SCV1
Sequence: 2D30016

SDG: KNM050712
Project: KNM
Standard ID: 2041238
Calibration: 2D30006

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
GRO - 8015 (C6-C10)	550	614	112	80-120
aaa-Trifluorotoluene	50.0	49.9	100	80-120

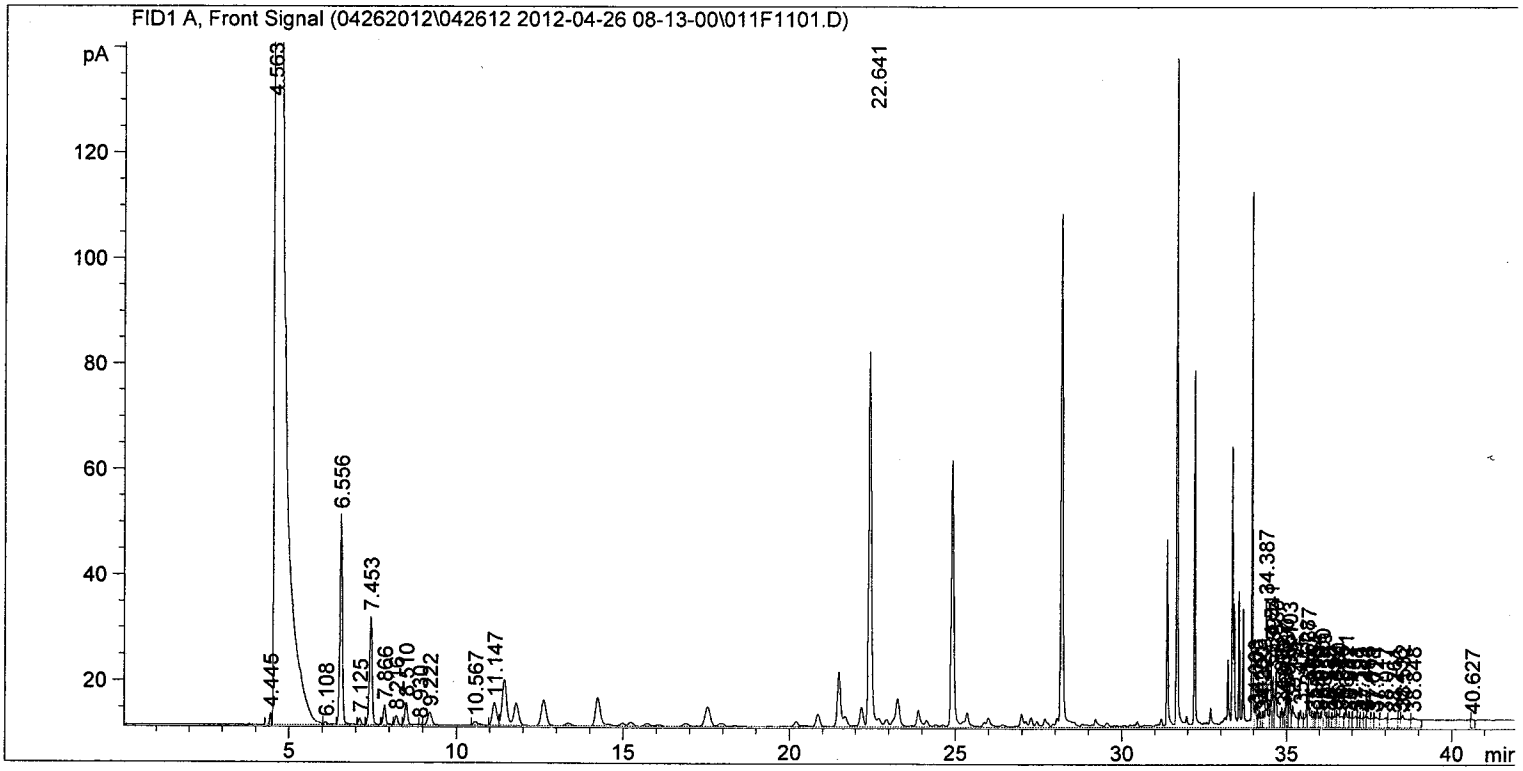
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\011F1101.D
Sample Name: SCV0426

==========

Acq. Operator	: LEW	Seq. Line	: 11
Acq. Instrument	: 332	Location	: Vial 11
Injection Date	: 4/26/2012 4:24:56 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM041112.M
Last changed : 4/12/2012 10:40:22 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 10:39:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.4223	3190.54688	24.64101	

Totals : 3190.54688 24.6410

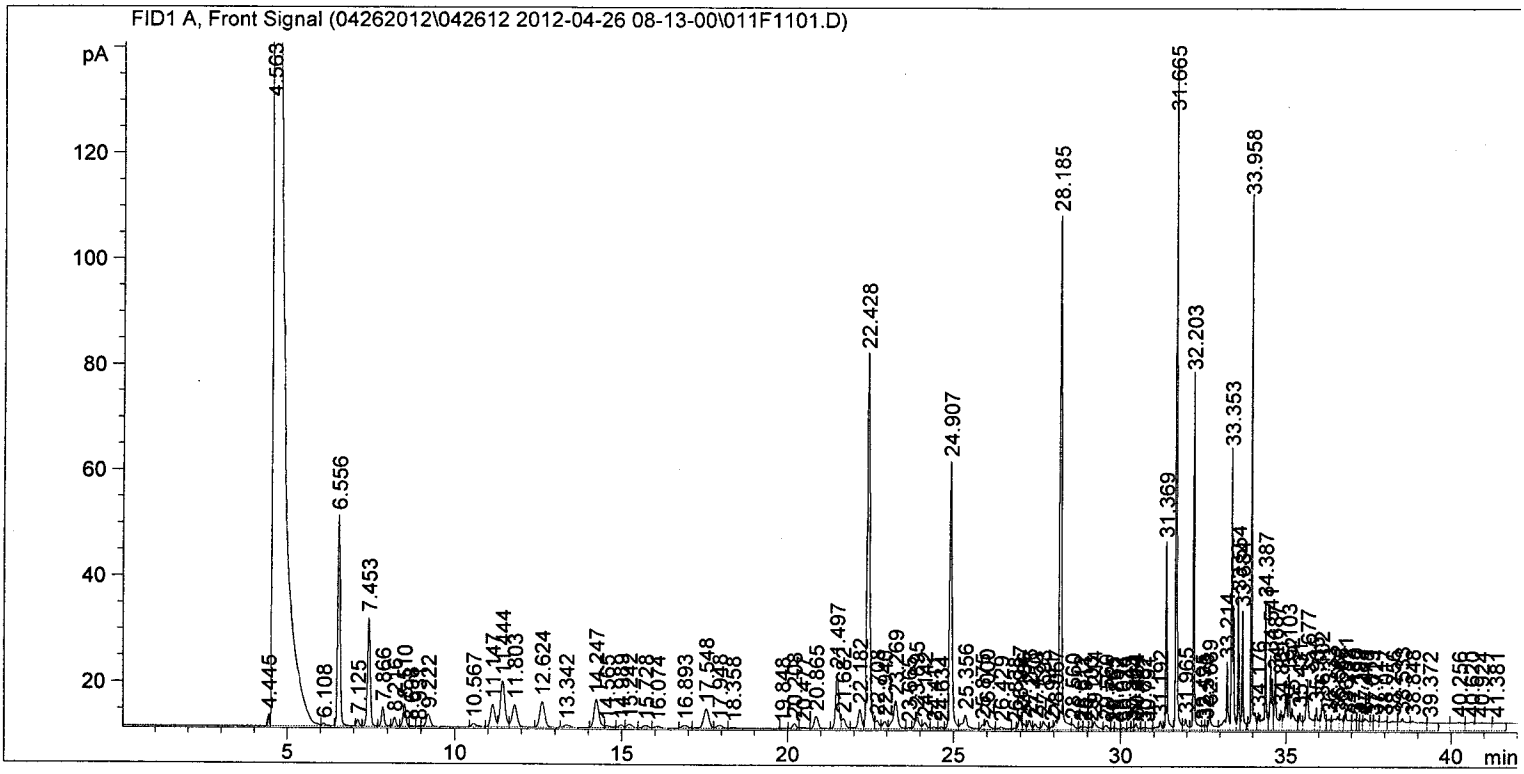
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\011F1101.D
Sample Name: SCV0426

==========

Acq. Operator	: LEW	Seq. Line	: 11
Acq. Instrument	: 332	Location	: Vial 11
Injection Date	: 4/26/2012 4:24:56 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.444	HH		83.69412	3.49422e-1	29.24453		2-Methylpentane
22.428	HH	I	416.85526	1.14861e-1	47.88037		fluorobenzene
24.907	HH	+	274.79352	1.81469e-1	49.86653		@@@
33.958	HH		223.50990	3.02296e-1	67.56609		1,2,4-Trimethylbenzene

Totals : 194.55752

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2F04023-SCV1
Sequence: 2F04023

SDG: KNM050712
Project: KNM
Standard ID: 2041238
Calibration: 2F04008

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
GRO - 8015 (C6-C10)	550	475	86	80-120
aaa-Trifluorotoluene	50.0	47.3	95	80-120

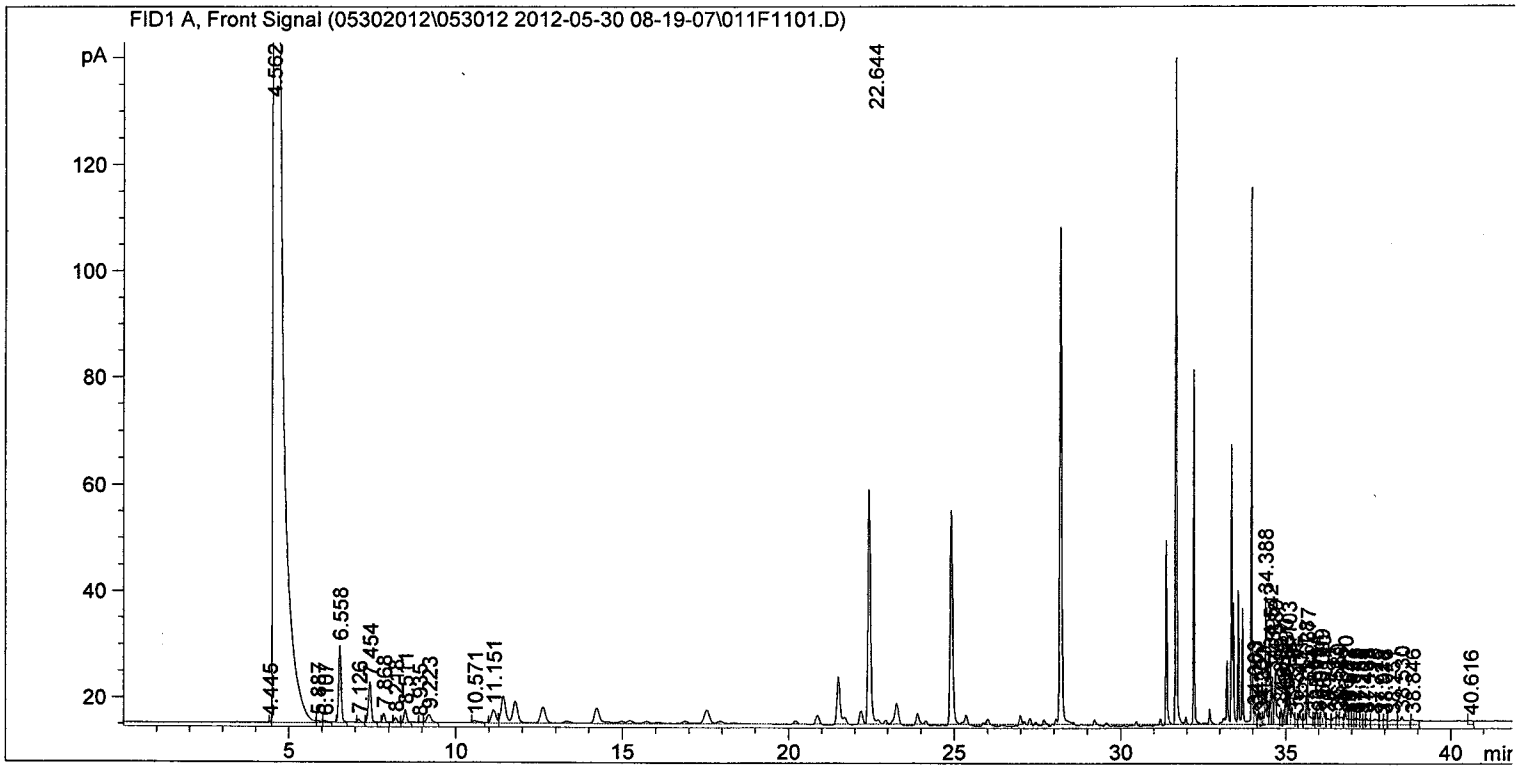
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\011F1101.D
Sample Name: SCV0530

==========

Acq. Operator	: LEW	Seq. Line	: 11
Acq. Instrument	: 332	Location	: Vial 11
Injection Date	: 5/30/2012 4:20:35 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.3216	2360.65674	23.34371	

Totals : 2360.65674 23.3437

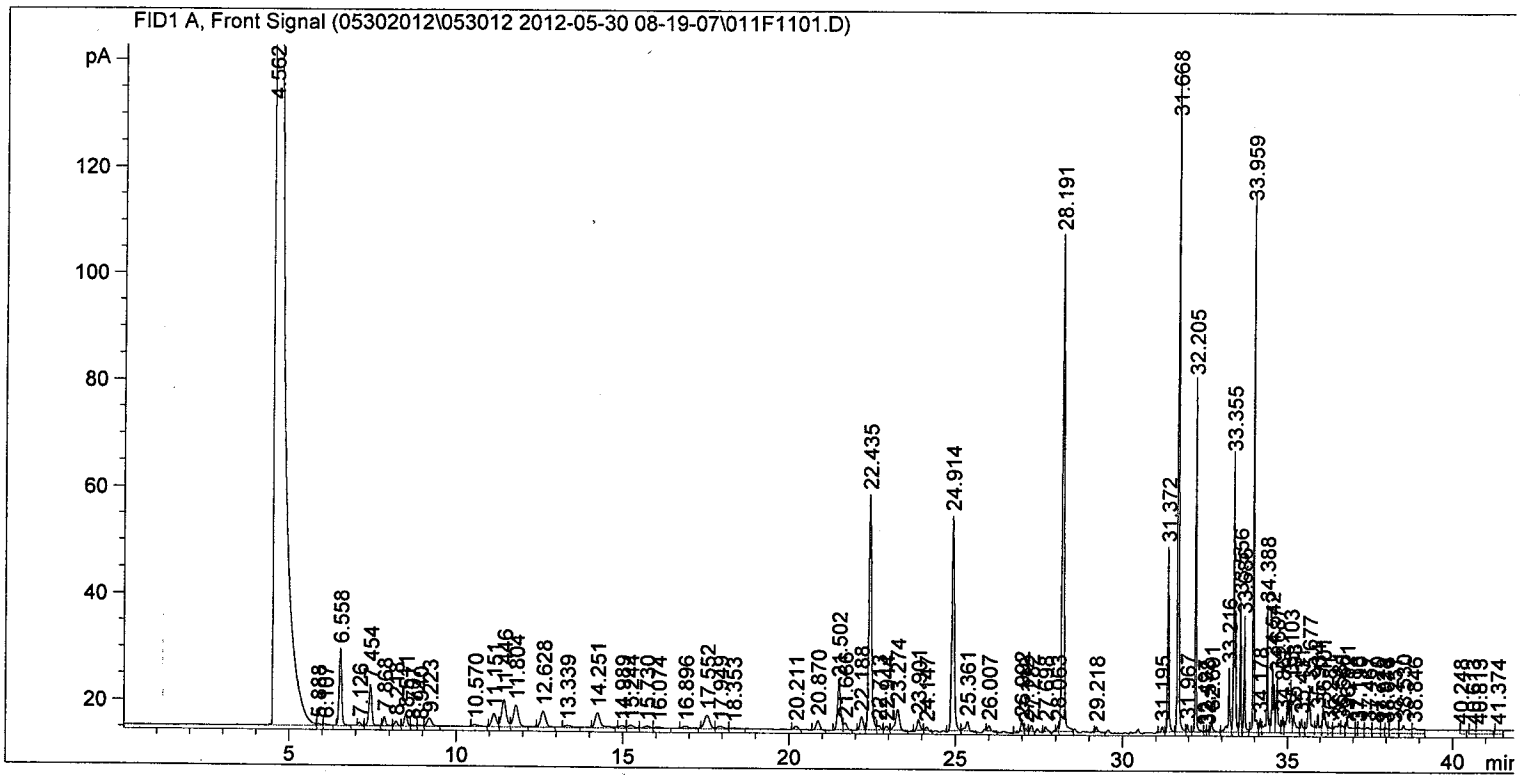
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\011F1101.D
Sample Name: SCV0530

==========

Acq. Operator	: LEW	Seq. Line	: 11
Acq. Instrument	: 332	Location	: Vial 11
Injection Date	: 5/30/2012 4:20:35 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.446	HH		48.97759	3.61398e-1	17.70041		2-Methylpentane
22.435	HH	I	256.08511	1.76741e-1	45.26073		fluorobenzene
24.914	HH	+	210.35825	2.25062e-1	47.34361		@@@
33.959	HH		209.83212	2.98998e-1	62.73937		1,2,4-Trimethylbenzene

Totals : 173.04412

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E14004-CCV1
Lab File ID: 004F0401.D
Injection Date: 05/11/12
Injection Time: 10:00
Calibration Date: 04/26/12 00:00
Calibration: 2D30006
Sequence: 2E14004
Instrument ID: 332

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	365	4.24403	3.84435		-8.8	20

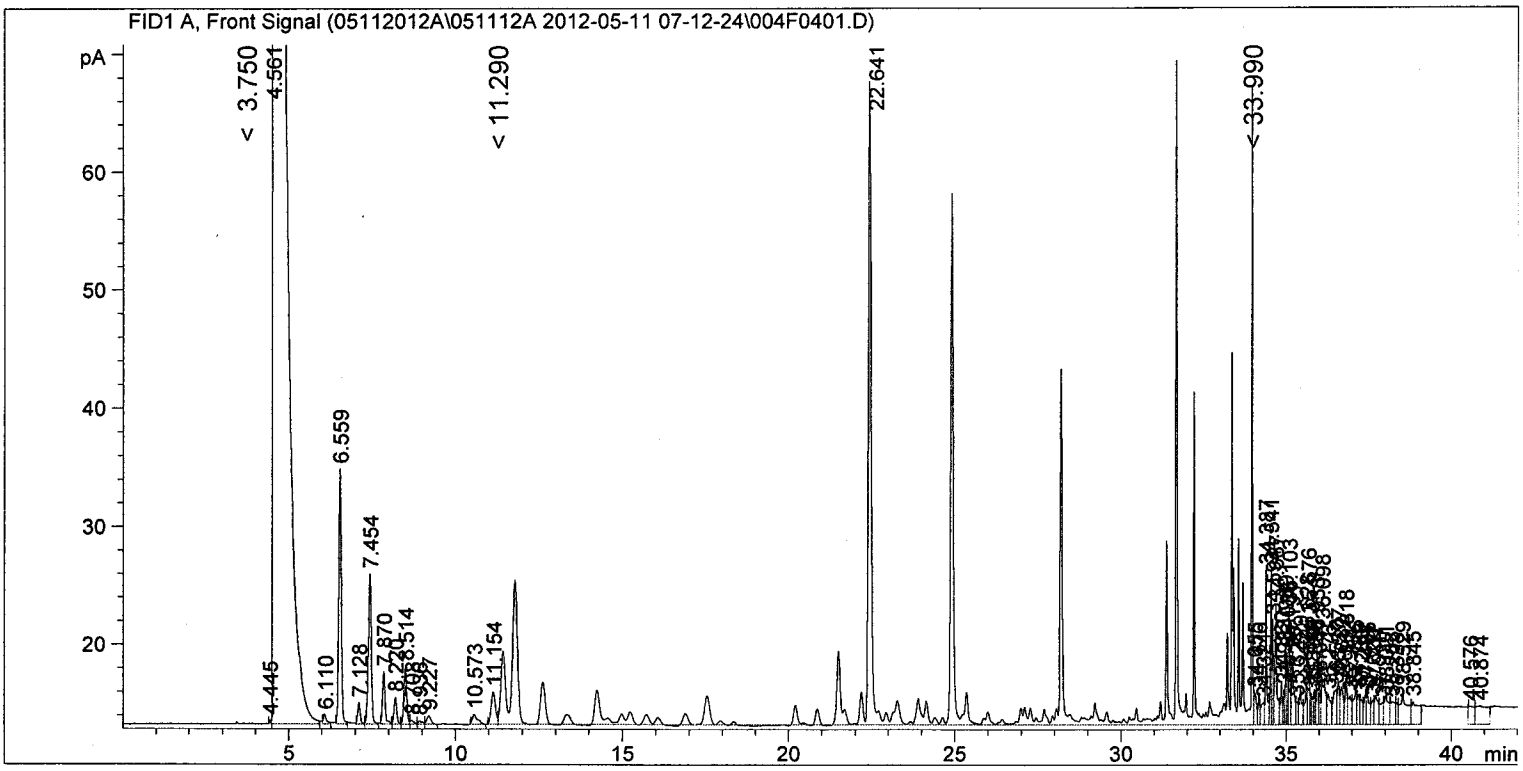
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\004F0401.D
Sample Name: CCV0511A

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 5/11/2012 10:00:11 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.6360	2111.95679	14.12318	

Totals : 2111.95679 14.1232

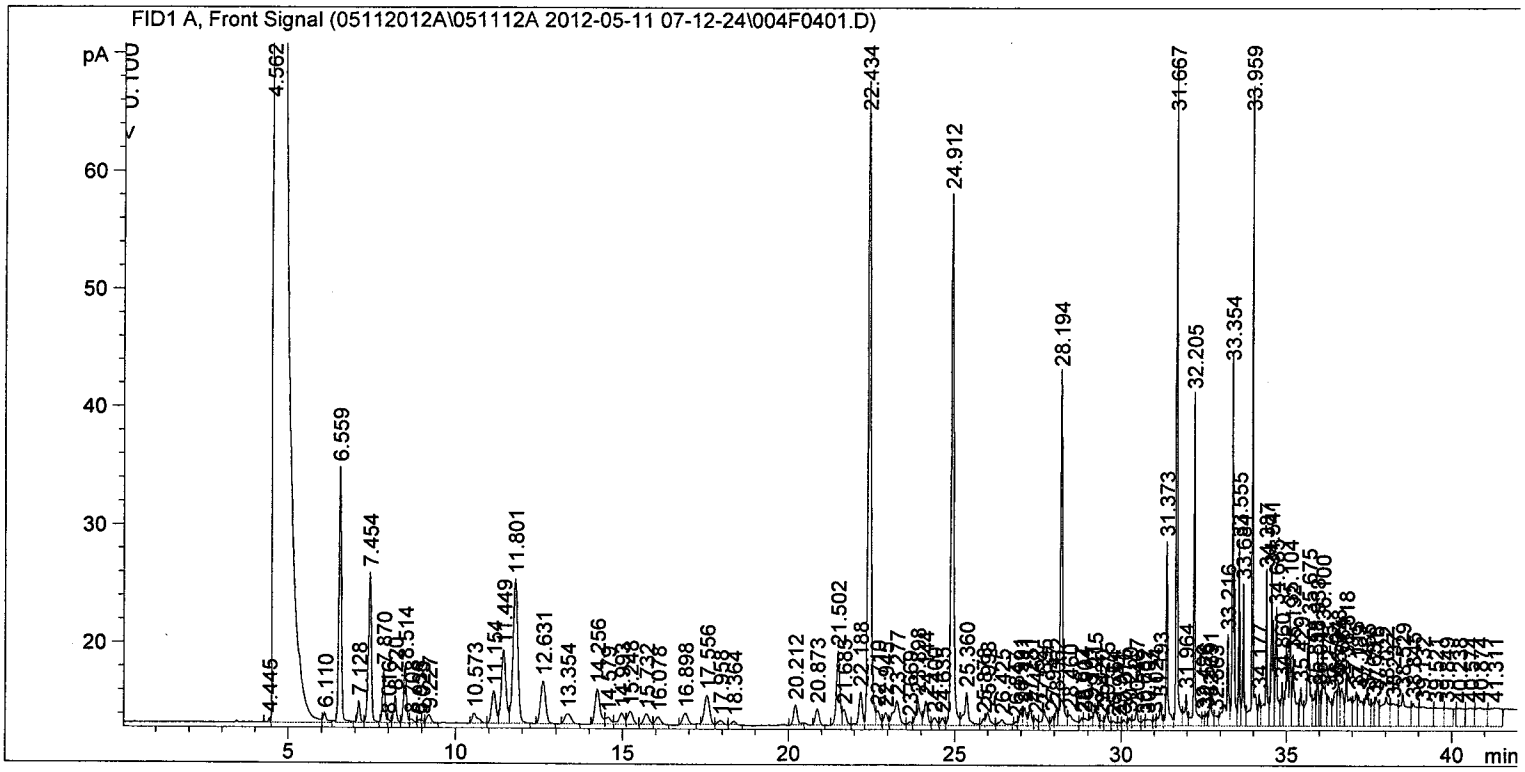
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\004F0401.D
Sample Name: CCV0511A

==========

Acq. Operator	: LEW	Seq. Line	: 4
Acq. Instrument	: 332	Location	: Vial 4
Injection Date	: 5/11/2012 10:00:11 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.449	HH		60.83968	3.49422e-1	21.25870		2-Methylpentane
22.434	HH	I	326.47064	1.14861e-1	37.49871		fluorobenzene
24.912	HH	+	247.74298	1.81469e-1	44.95769		@@@
33.959	HH		135.52296	3.02296e-1	40.96802		1,2,4-Trimethylbenzene

Totals : 144.68311

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E14004-CCV2
Lab File ID: 009F0901.D
Injection Date: 05/11/12
Injection Time: 18:59
Calibration Date: 04/26/12 00:00
Calibration: 2D30006
Sequence: 2E14004
Instrument ID: 332

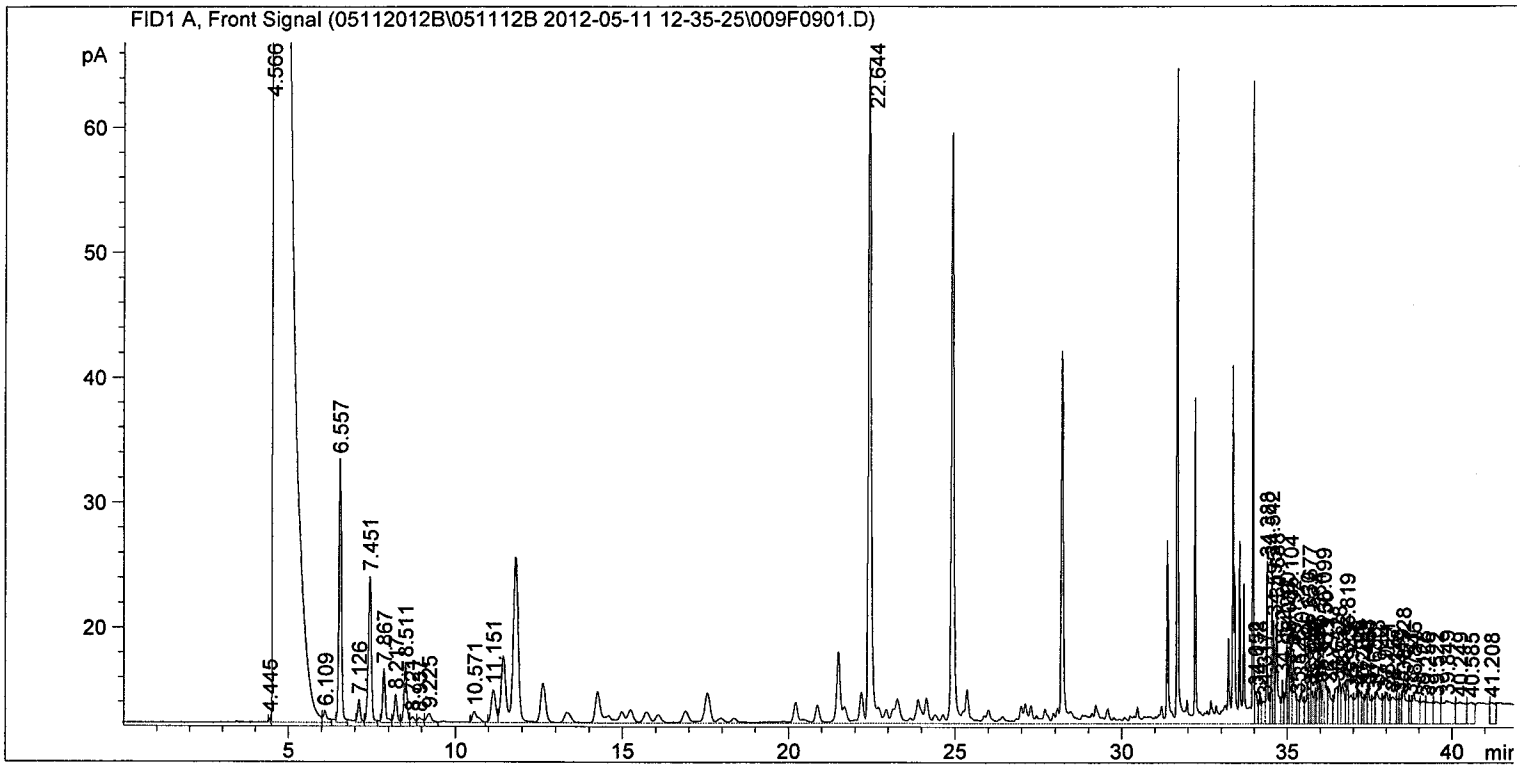
Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	379	4.24403	3.98145		-5.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\009F0901.D
Sample Name: CCV0511B

==========

Acq. Operator : LEW
Seq. Line : 9
Acq. Instrument : 332
Location : Vial 9
Injection Date : 5/11/2012 6:59:55 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.6829	2175.27612	10.86300	

Totals : 2175.27612 10.8630

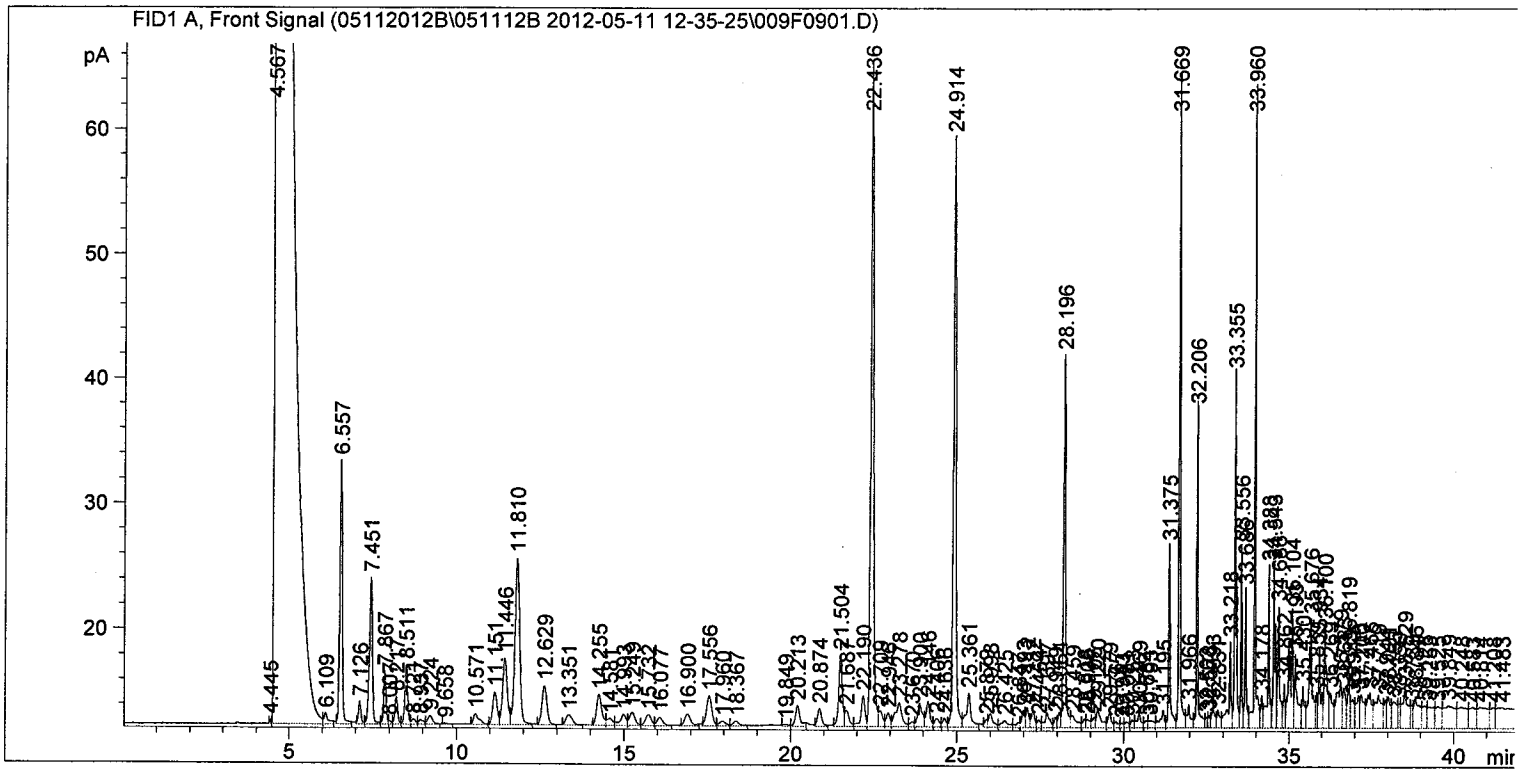
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\009F0901.D
Sample Name: CCV0511B

==========

Acq. Operator	: LEW	Seq. Line	: 9
Acq. Instrument	: 332	Location	: Vial 9
Injection Date	: 5/11/2012 6:59:55 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.446	HH		53.17057	3.49422e-1	18.57895		2-Methylpentane
22.436	HH	I	321.18115	1.14861e-1	36.89115		fluorobenzene
24.914	HH	+	261.51498	1.81469e-1	47.45688		@@@
33.960	HH		129.72533	3.02296e-1	39.21541		1,2,4-Trimethylbenzene

Totals : 142.14240

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E14004-CCV3
Lab File ID: 012F1201.D
Injection Date: 05/11/12
Injection Time: 21:22
Calibration Date: 04/26/12 00:00
Calibration: 2D30006
Sequence: 2E14004
Instrument ID: 332

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	395	4.24403	4.1361		-1.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

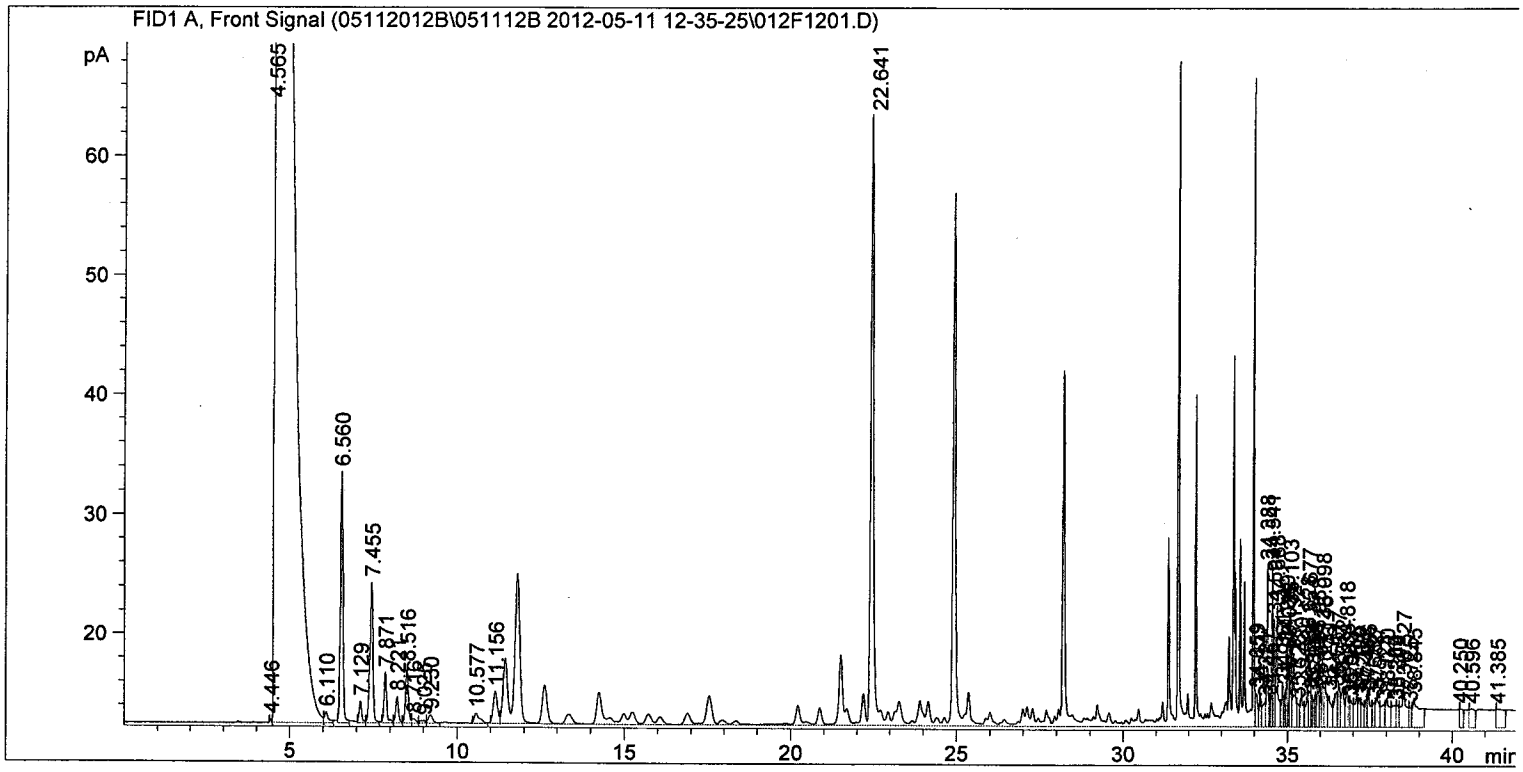
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\012F1201.D
Sample Name: CCV0511C

==========

Acq. Operator	: LEW	Seq. Line	: 12
Acq. Instrument	: 332	Location	: Vial 12
Injection Date	: 5/11/2012 9:22:29 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.6636	2211.37646	11.50115	

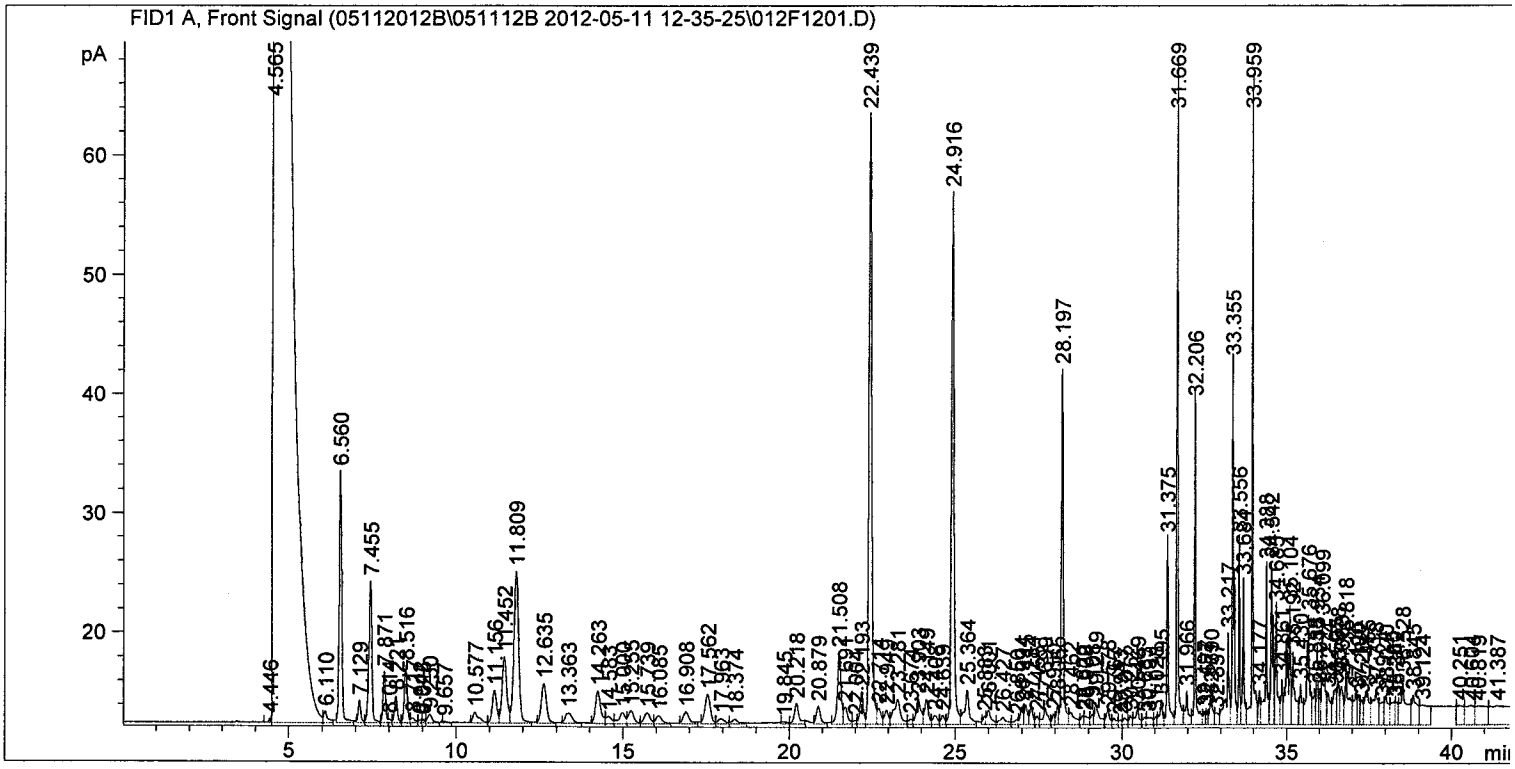
Totals : 2211.37646 11.5011

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\012F1201.D
Sample Name: CCV0511C

==========

Acq. Operator	: LEW	Seq. Line :	12
Acq. Instrument	: 332	Location :	Vial 12
Injection Date	: 5/11/2012 9:22:29 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05112012B\051112B 2012-05-11 12-35-25\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_042612.M		
Last changed	: 4/26/2012 3:34:23 PM by LEW		
Method Info	: Instr. #332. EPAGRO 8015C		



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.452	HH		54.67426	3.49422e-1	19.10436		2-Methylpentane
22.439	HH	I	309.29474	1.14861e-1	35.52587		fluorobenzene
24.916	HH	+	247.64107	1.81469e-1	44.93920		@@@
33.959	HH		138.35960	3.02296e-1	41.82552		1,2,4-Trimethylbenzene

Totals : 141.39495

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2F04025-CCV1
Lab File ID: 003F0301.D
Injection Date: 05/31/12
Injection Time: 09:30
Calibration Date: 05/30/12 00:00
Calibration: 2F04008
Sequence: 2F04025
Instrument ID: 332

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	405	4.180228	4.097475		1.3	20

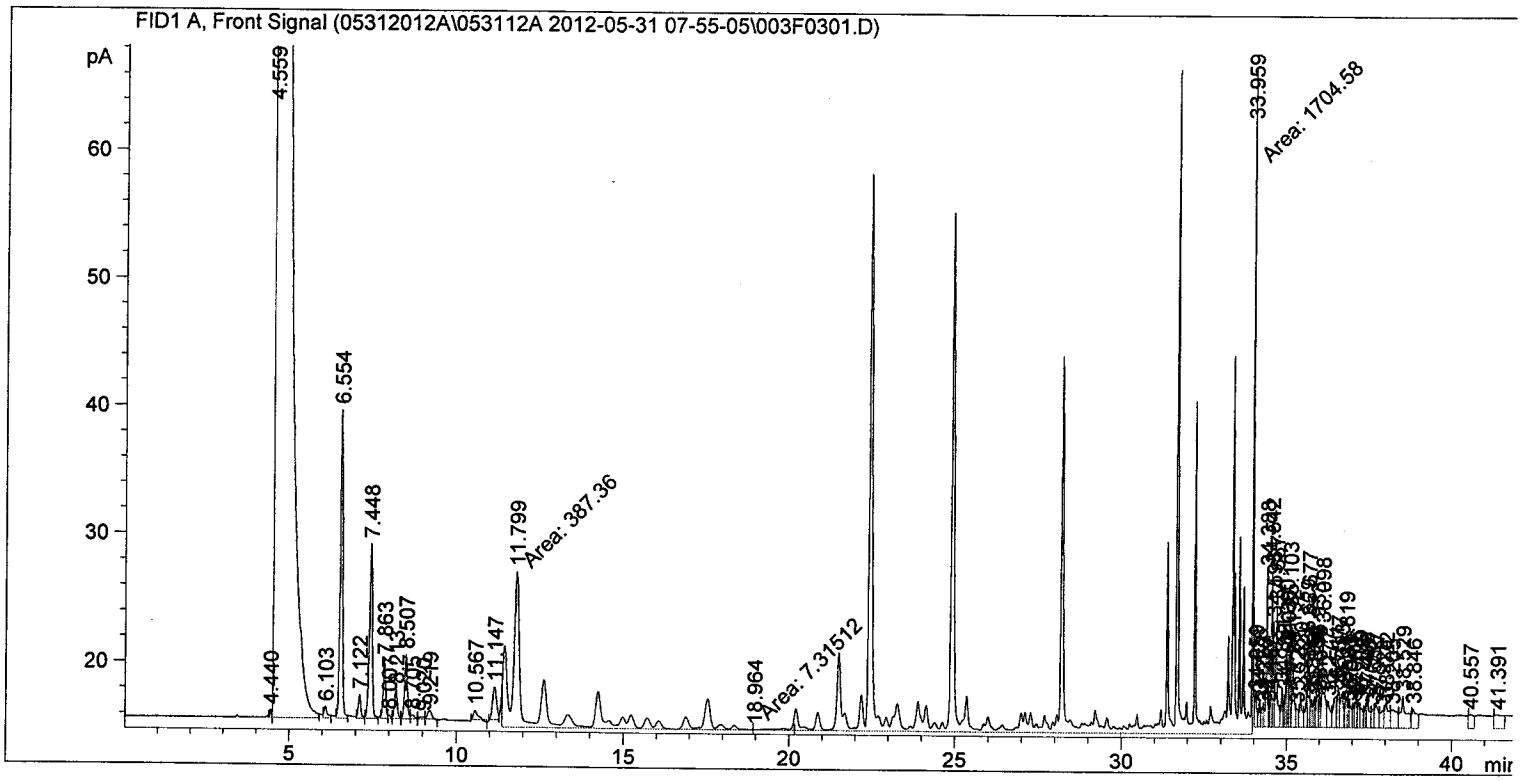
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 5/31/2012 9:30:54 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Manual Integration Explanation
Reason 3: Incorrect baseline drawn by the software.
Flagged on Quantitation Report: Yes / No
Analyst: LEW Date: 5-31-12
Reviewed By: _____ Date: _____

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.431		0.0000	0.00000	0.00000	
Totals :				0.00000	0.0000	

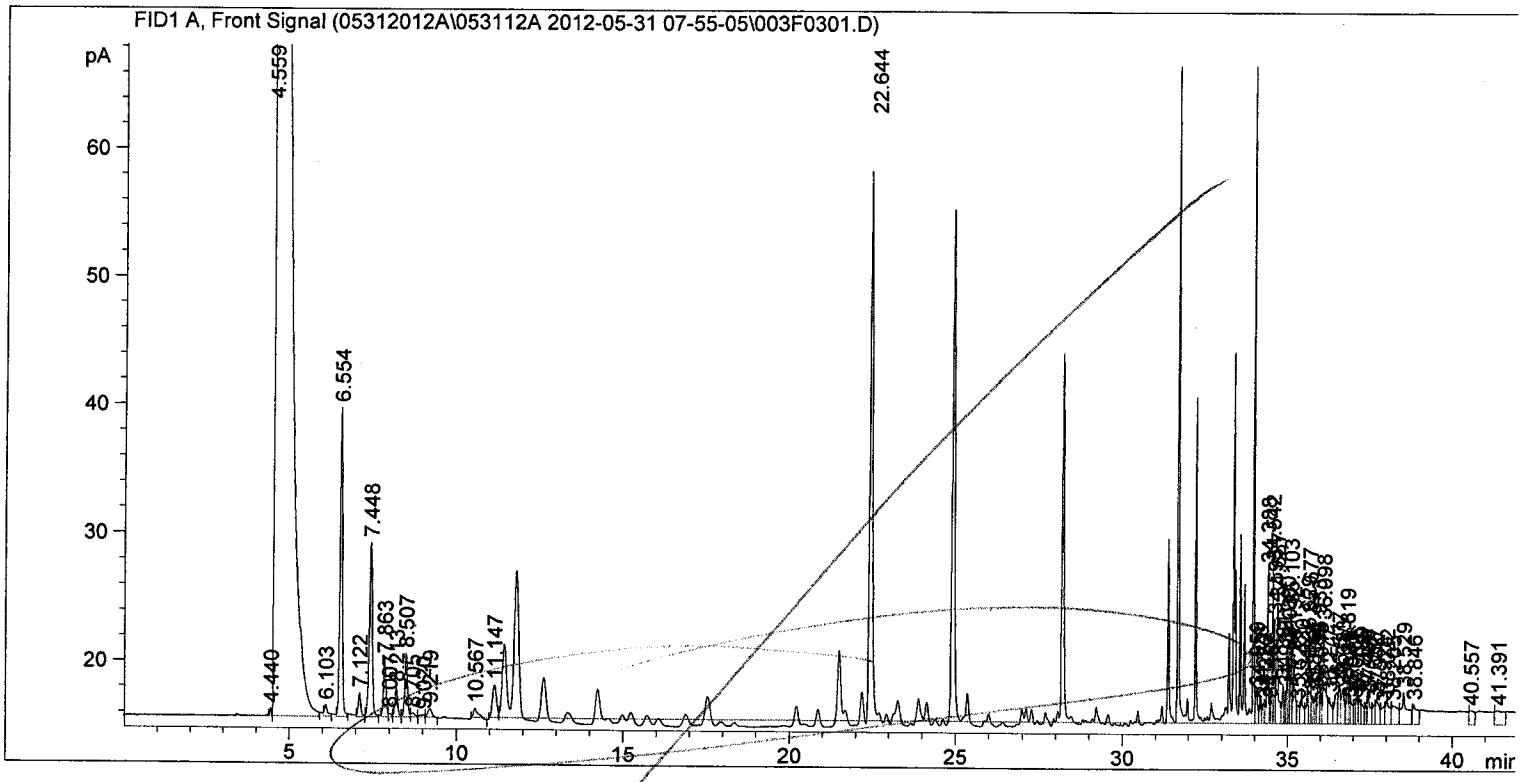
387.36
+ 7.31512
1704.58
2099.5512

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 5/31/2012 9:30:54 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.4456	1347.45007	8.29843	
Totals :				1347.45007	8.2984	

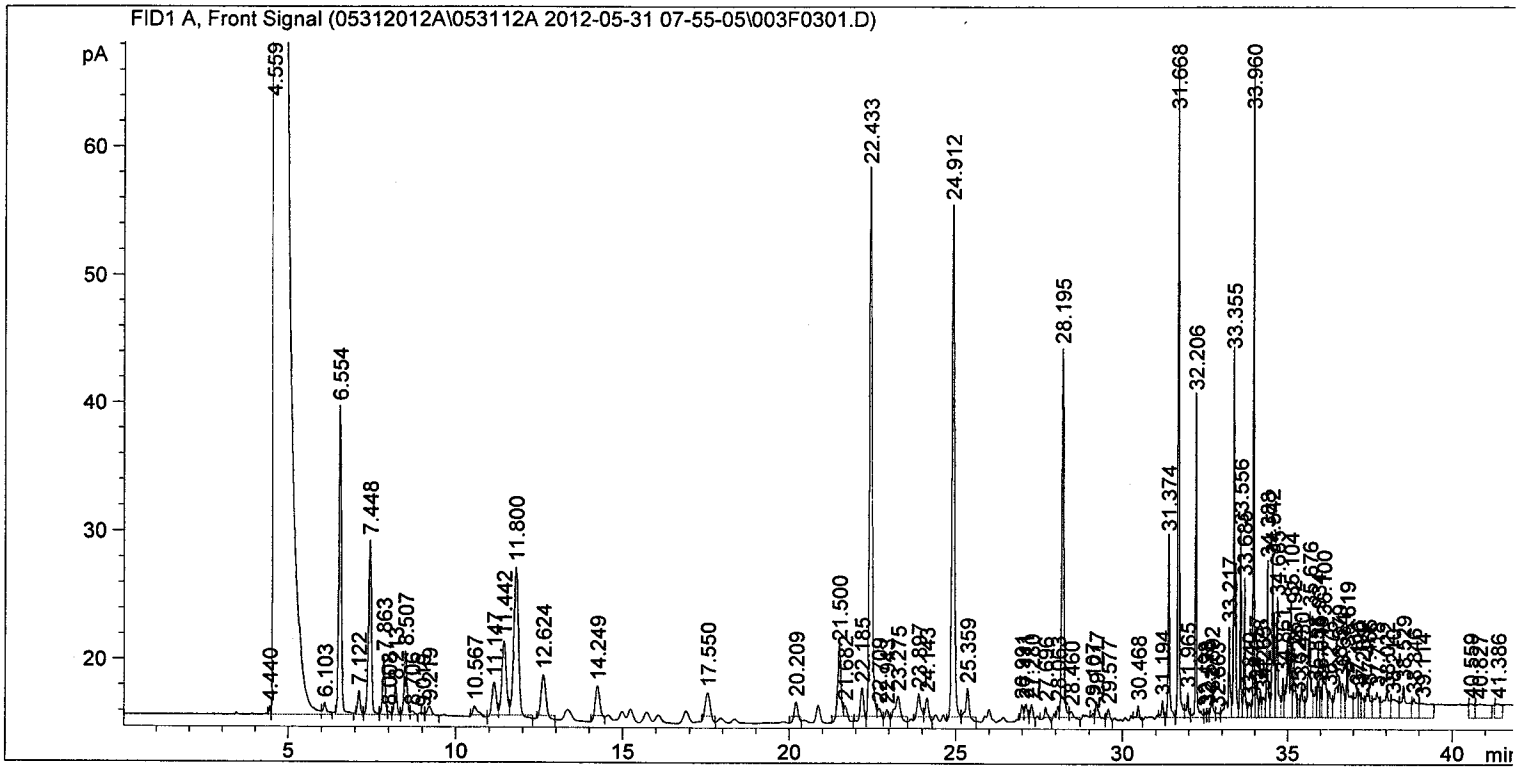
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

==========

Acq. Operator	: LEW	Seq. Line	: 3
Acq. Instrument	: 332	Location	: Vial 3
Injection Date	: 5/31/2012 9:30:54 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.442	HH		53.92318	3.61398e-1	19.48774		2-Methylpentane
22.433	HH	I	250.41405	1.76741e-1	44.25842		fluorobenzene
24.912	HH	+	210.14810	2.25062e-1	47.29632		@@@
33.960	HH		105.35893	2.98998e-1	31.50210		1,2,4-Trimethylbenzene

Totals : 142.54458

CONTINUING CALIBRATION CHECK

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2F04025-CCV2
Lab File ID: 005F0501.D
Injection Date: 05/31/12
Injection Time: 15:46
Calibration Date: 05/30/12 00:00
Calibration: 2F04008
Sequence: 2F04025
Instrument ID: 332

Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	411	4.180228	4.151825		2.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

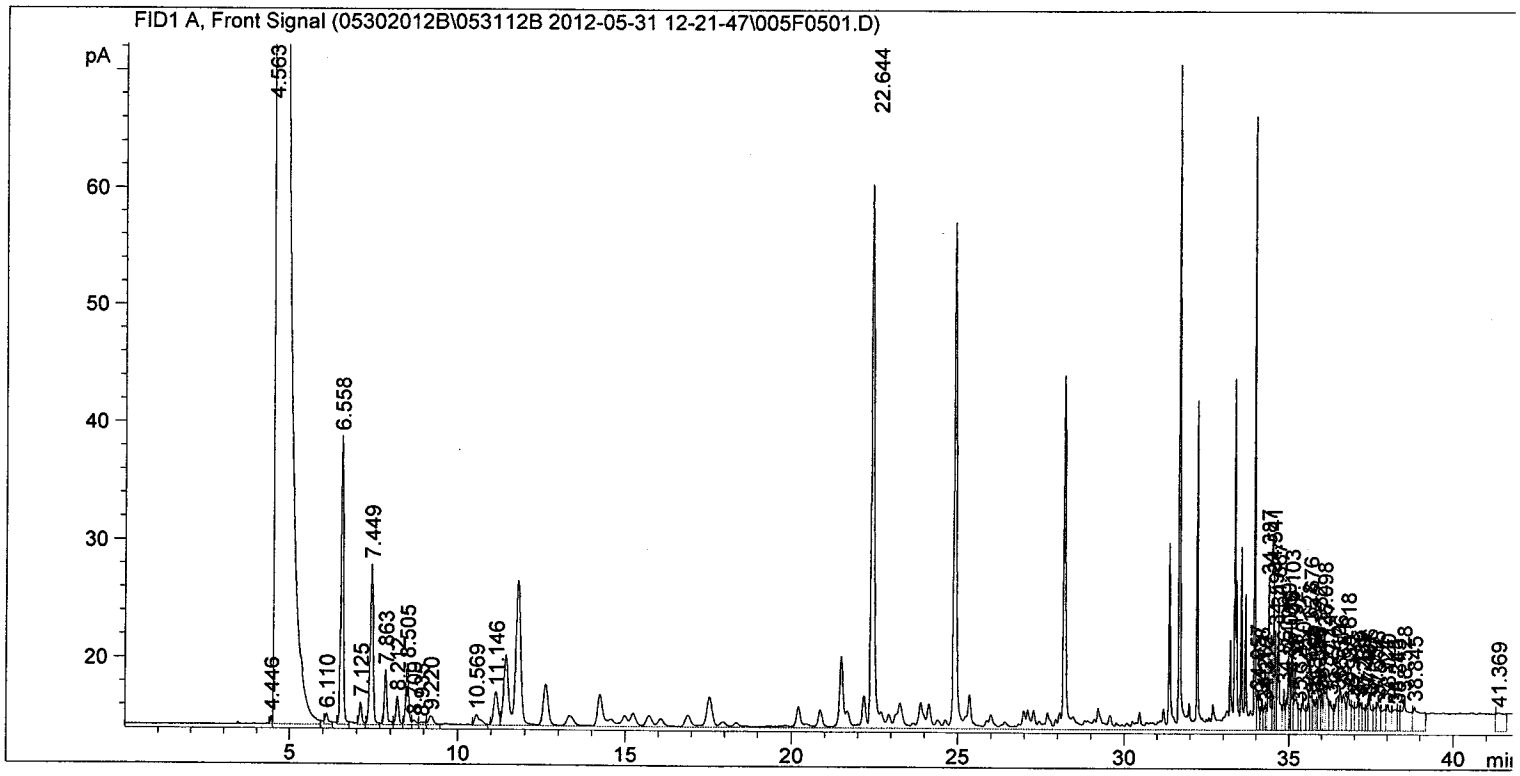
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\005F0501.D
Sample Name: CCV0531B

==========

Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 5/31/2012 3:46:04 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.6563	2181.31250	13.46005	

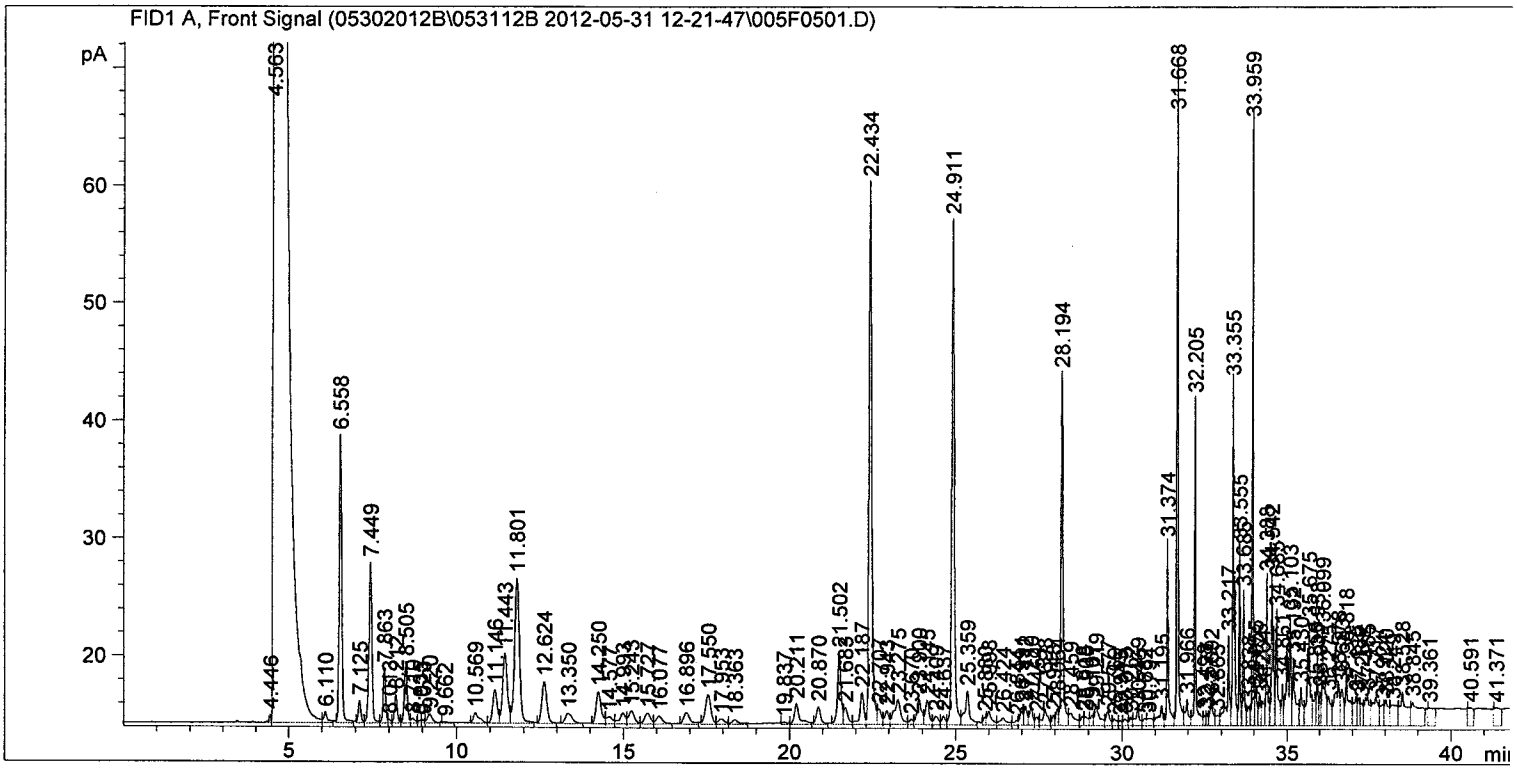
Totals : 2181.31250 13.4601

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\005F0501.D
Sample Name: CCV0531B

==========

Acq. Operator : LEW
Seq. Line : 5
Acq. Instrument : 332
Location : Vial 5
Injection Date : 5/31/2012 3:46:04 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.443	HH		58.88639	3.61398e-1	21.28144		2-Methylpentane
22.434	HH	I	281.60458	1.76741e-1	49.77106		fluorobenzene
24.911	HH	+	238.97459	2.25062e-1	53.78406		@@@
33.959	HH		110.45015	2.98998e-1	33.02436		1,2,4-Trimethylbenzene

Totals : 157.86092

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206076-BLK1 File ID: 003F0301.D

Prepared: 05/11/12 07:00 Analyzed: 05/11/12 09:13

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

QC Batch: 1206076 Sequence: 2E14004 Calibration: 2D30006 Instrument: 332

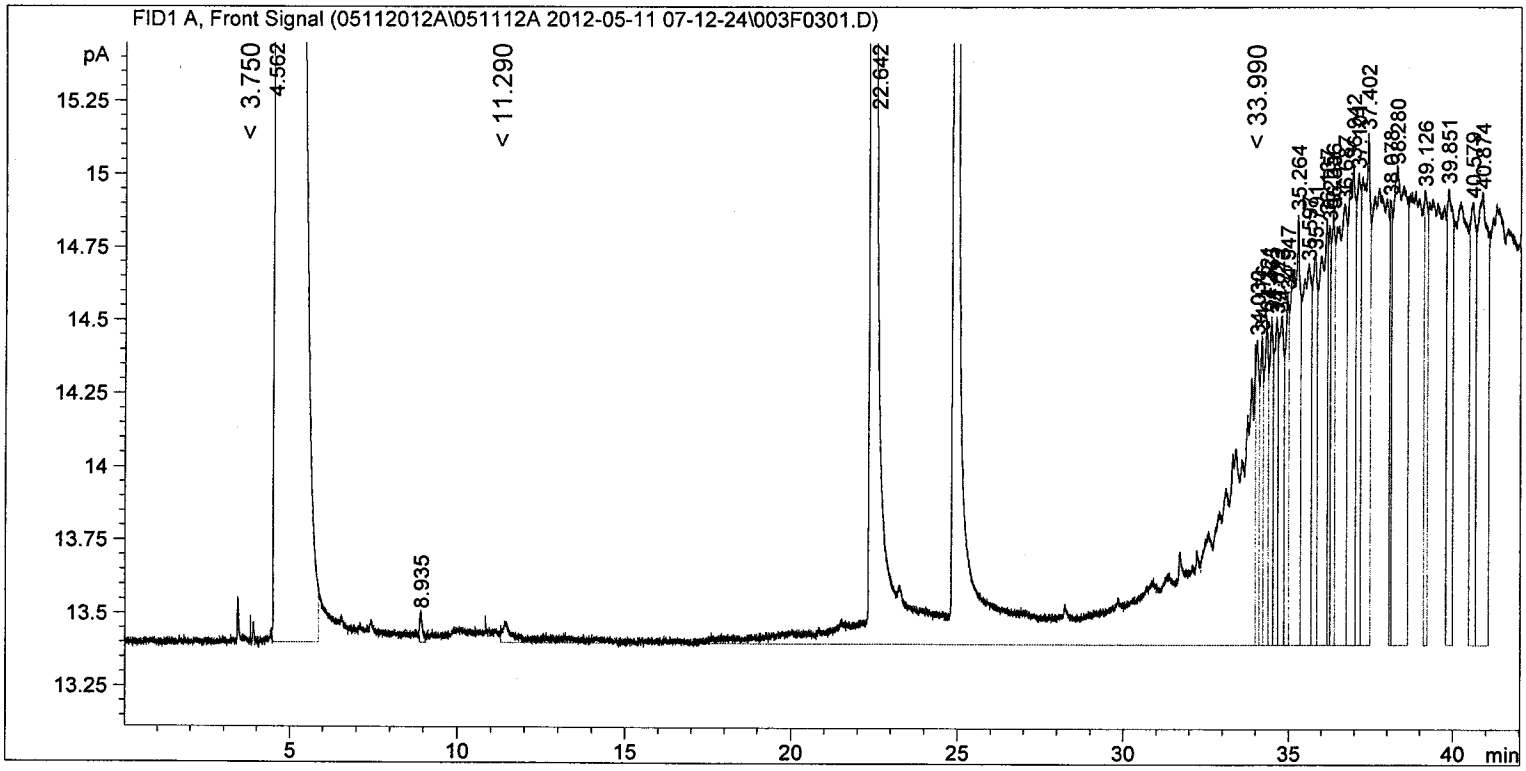
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	100	ug/L	24	100	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
aaa-Trifluorotoluene	50.0	44.3	89	71 - 134	

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\003F0301.D
Sample Name: BLK0511A

==========

Acq. Operator : LEW
Seq. Line : 3
Acq. Instrument : 332
Location : Vial 3
Injection Date : 5/11/2012 9:13:16 AM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.642	HHA+	0.2230	703.61591	11.44816	

Totals : 703.61591 11.4482

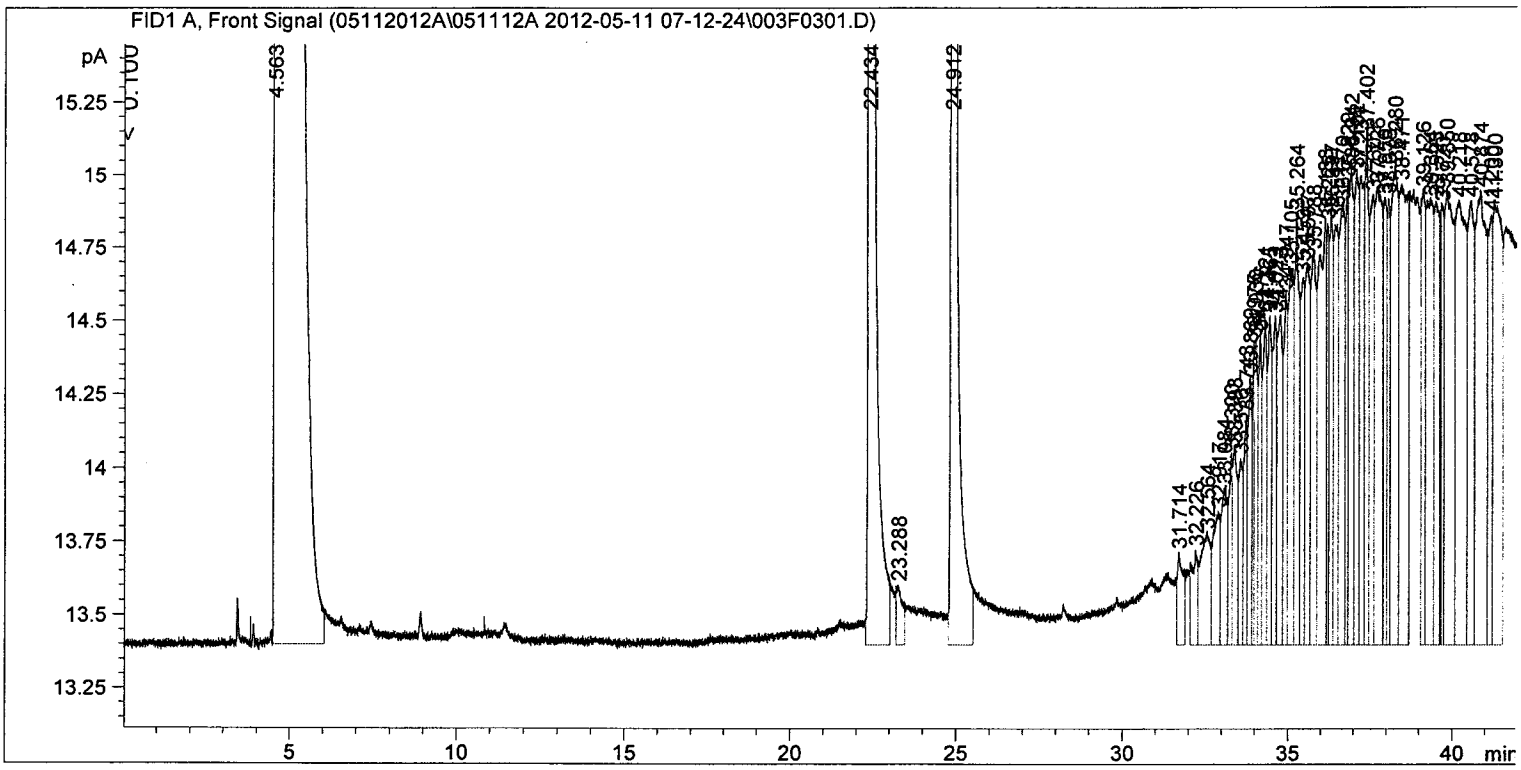
2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\003F0301.D
Sample Name: BLK0511A

==========

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 5/11/2012 9:13:16 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.442			-	-	-		2-Methylpentane
22.434	HH	I	319.44162	1.14861e-1	36.69135		fluorobenzene
24.912	HH	+	244.01634	1.81469e-1	44.28142		@@@
33.975	HH		3.77780	3.02296e-1	1.14201		1,2,4-Trimethylbenzene

Totals : 82.11478

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206983-BLK1 File ID: 002F0201.D

Prepared: 05/31/12 07:00 Analyzed: 05/31/12 08:43

Preparation: 5030B Aqueous Purge & Initial/Final: 5 mL / 5 mL

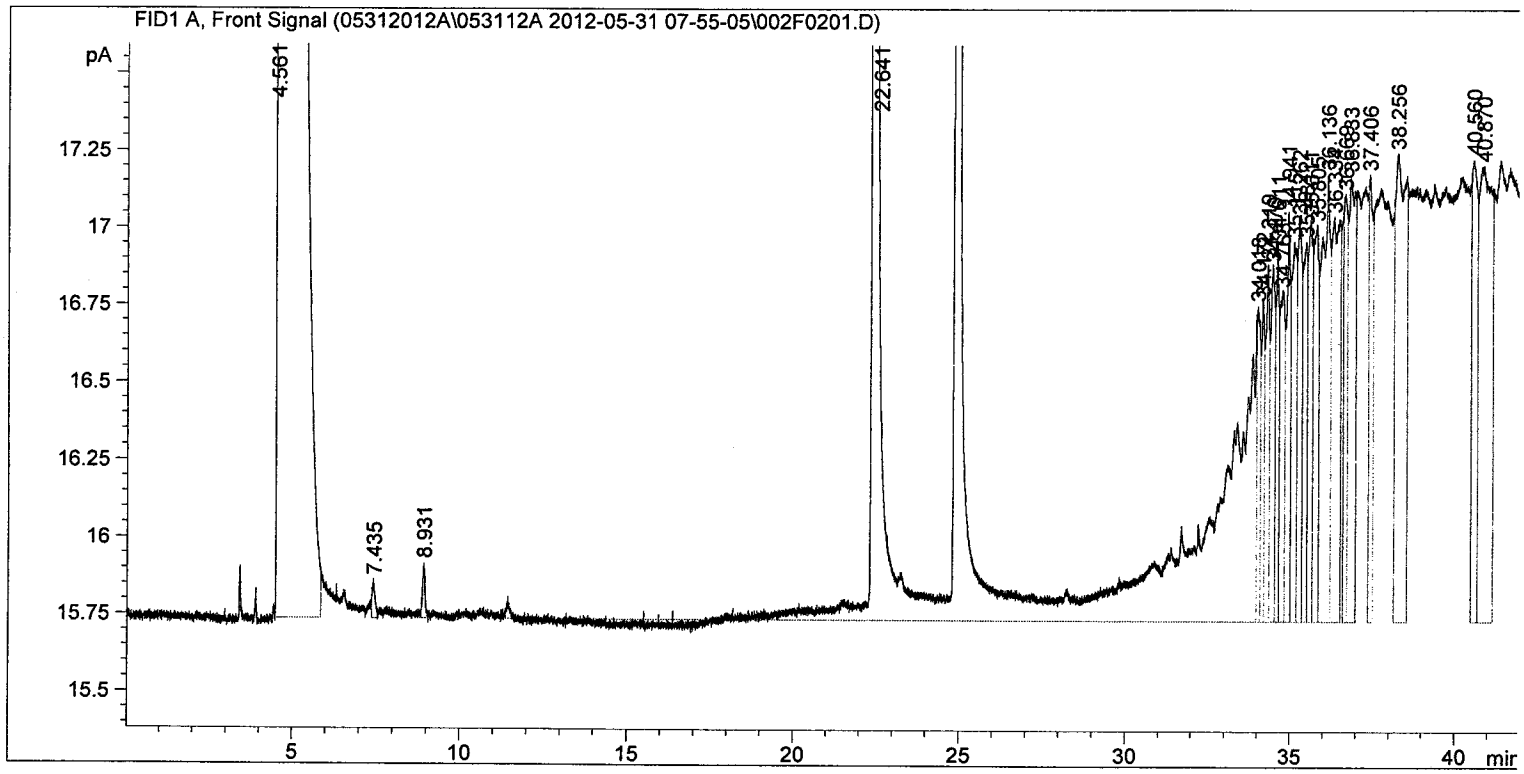
QC Batch: 1206983 Sequence: 2F04025 Calibration: 2F04008 Instrument: 332

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	100	ug/L	24	100	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
aaa-Trifluorotoluene	50.0	50.4	101	71 - 134	

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\002F0201.D
Sample Name: BLK0531A

Acq. Operator	: LEW	Seq. Line :	2
Acq. Instrument	: 332	Location :	Vial 2
Injection Date	: 5/31/2012 8:43:47 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\GRO_SUM053012.M		
Last changed	: 5/31/2012 8:41:34 AM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.2276	605.56836	9.85677	
Totals :				605.56836	9.8568	

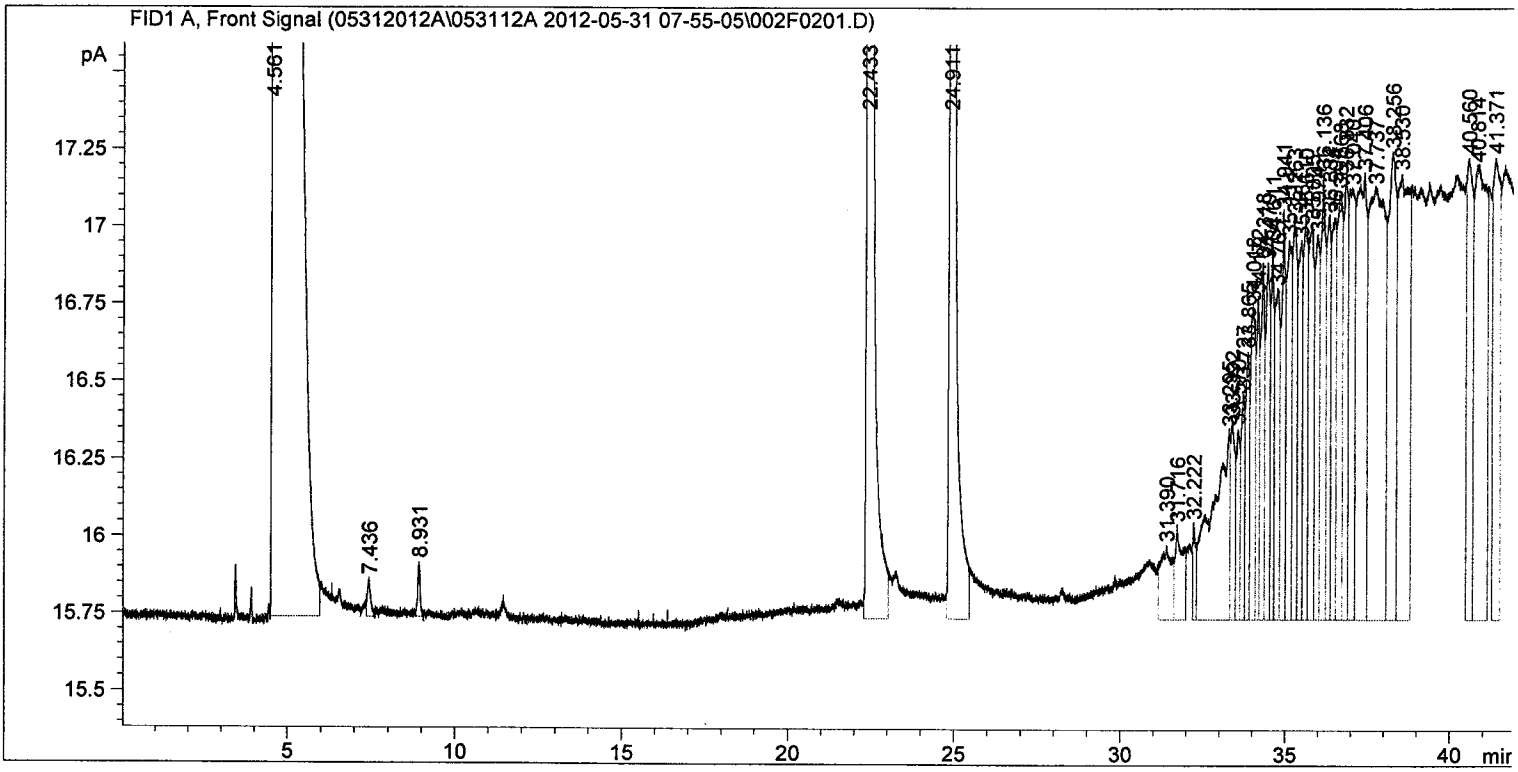
2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\002F0201.D
Sample Name: BLK0531A

==========

Acq. Operator	: LEW	Seq. Line :	2
Acq. Instrument	: 332	Location :	Vial 2
Injection Date	: 5/31/2012 8:43:47 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.439			-	-	-		2-Methylpentane
22.433	HH	I	269.20599	1.76741e-1	47.57972		fluorobenzene
24.911	HH	+	224.00008	2.25062e-1	50.41387		@@@
34.018	HH		10.40049	2.98998e-1	3.10973		1,2,4-Trimethylbenzene

Totals : 101.10332

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206076-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206076
Sequence: 2E14004

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	365	91	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

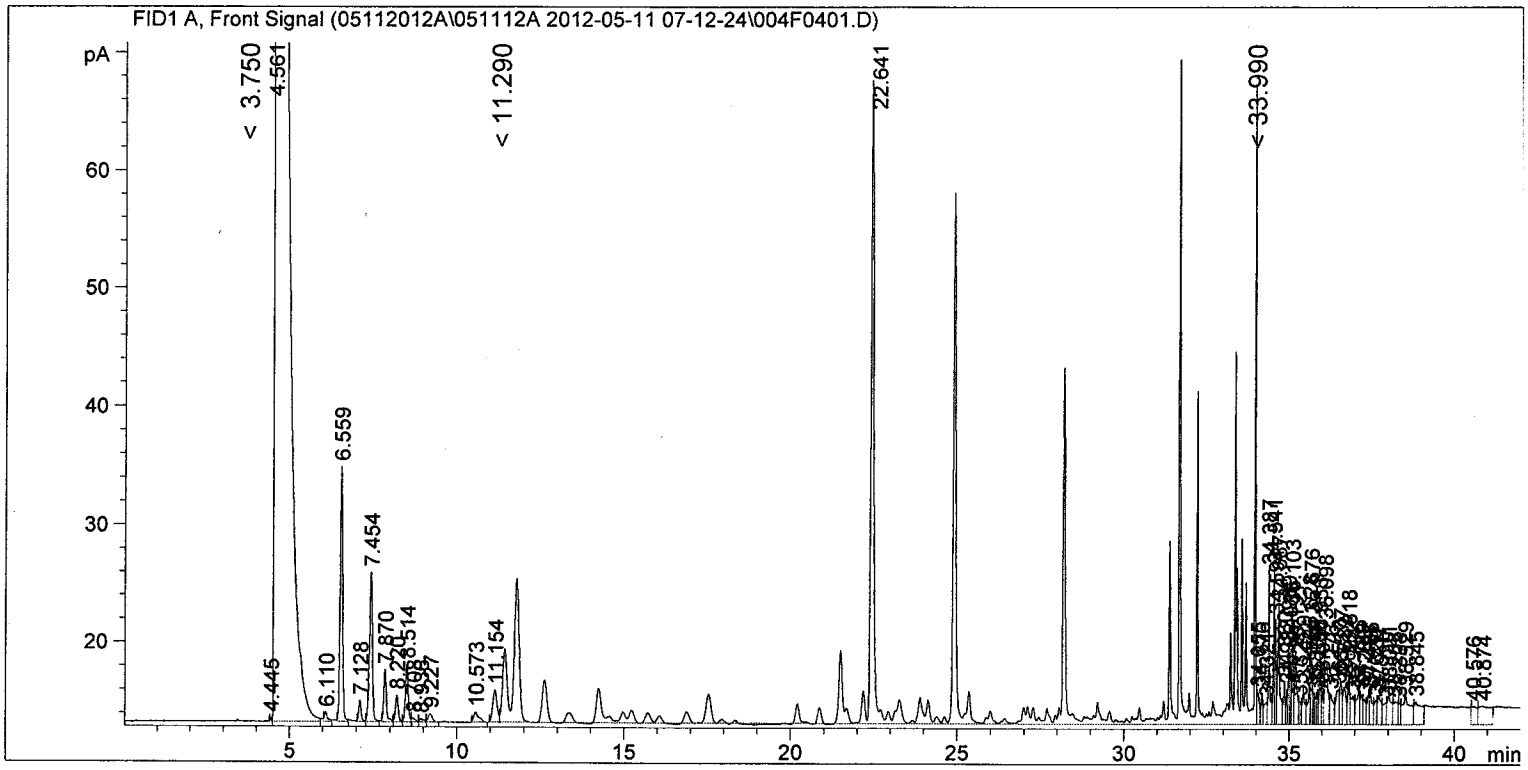
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\004F0401.D
Sample Name: CCV0511A

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 5/11/2012 10:00:11 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM042612.M
Last changed : 5/10/2012 1:46:51 PM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 4/27/2012 10:39:52 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.6360	2111.95679	14.12318	

Totals : 2111.95679 14.1232

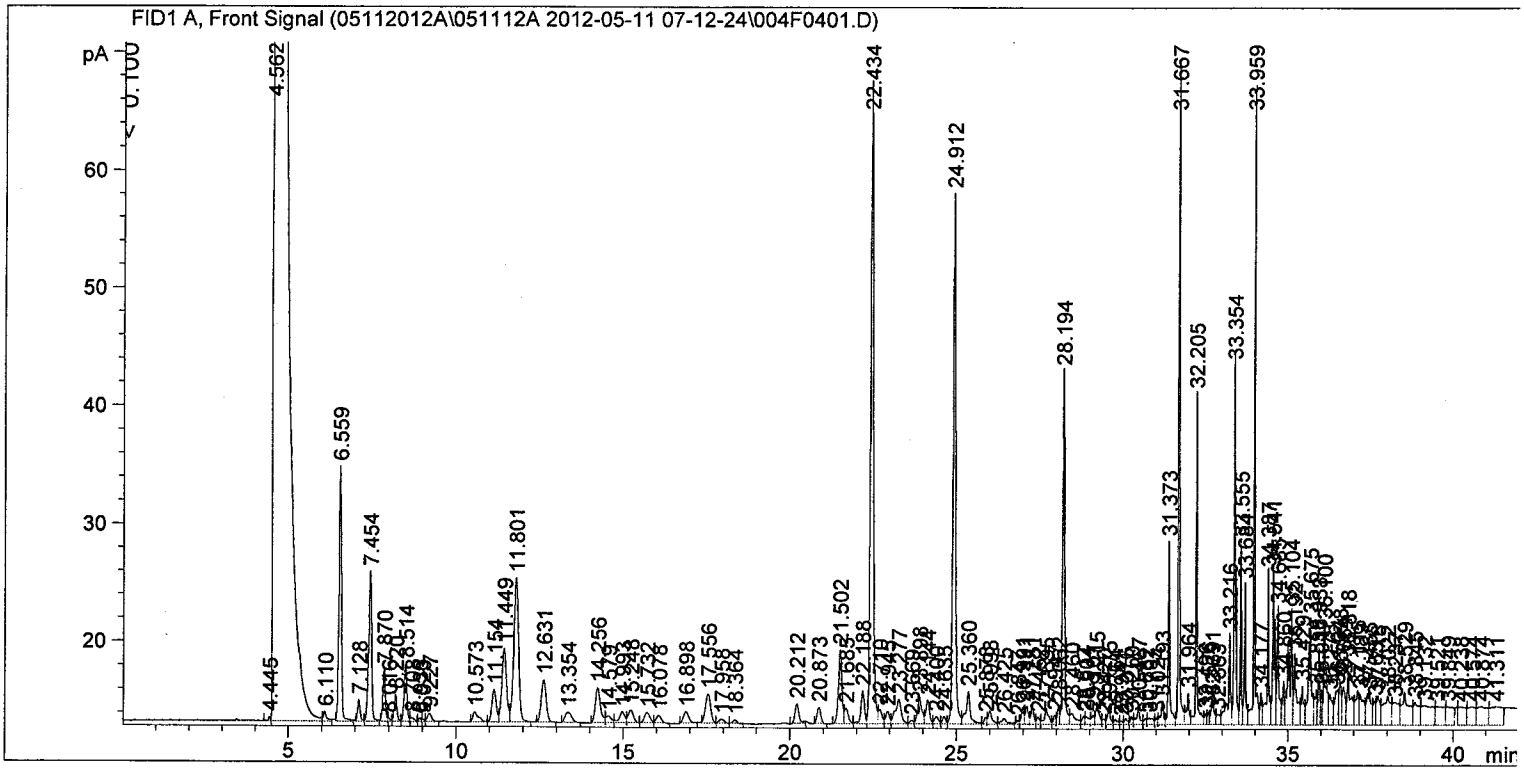
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\004F0401.D
Sample Name: CCV0511A

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 5/11/2012 10:00:11 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.449	HH		60.83968	3.49422e-1	21.25870		2-Methylpentane
22.434	HH	I	326.47064	1.14861e-1	37.49871		fluorobenzene
24.912	HH	+	247.74298	1.81469e-1	44.95769		@@@
33.959	HH		135.52296	3.02296e-1	40.96802		1,2,4-Trimethylbenzene

Totals : 144.68311

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050712
Project: KNM
Laboratory ID: 1206983-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1206983
Sequence: 2F04025

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	405	101	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

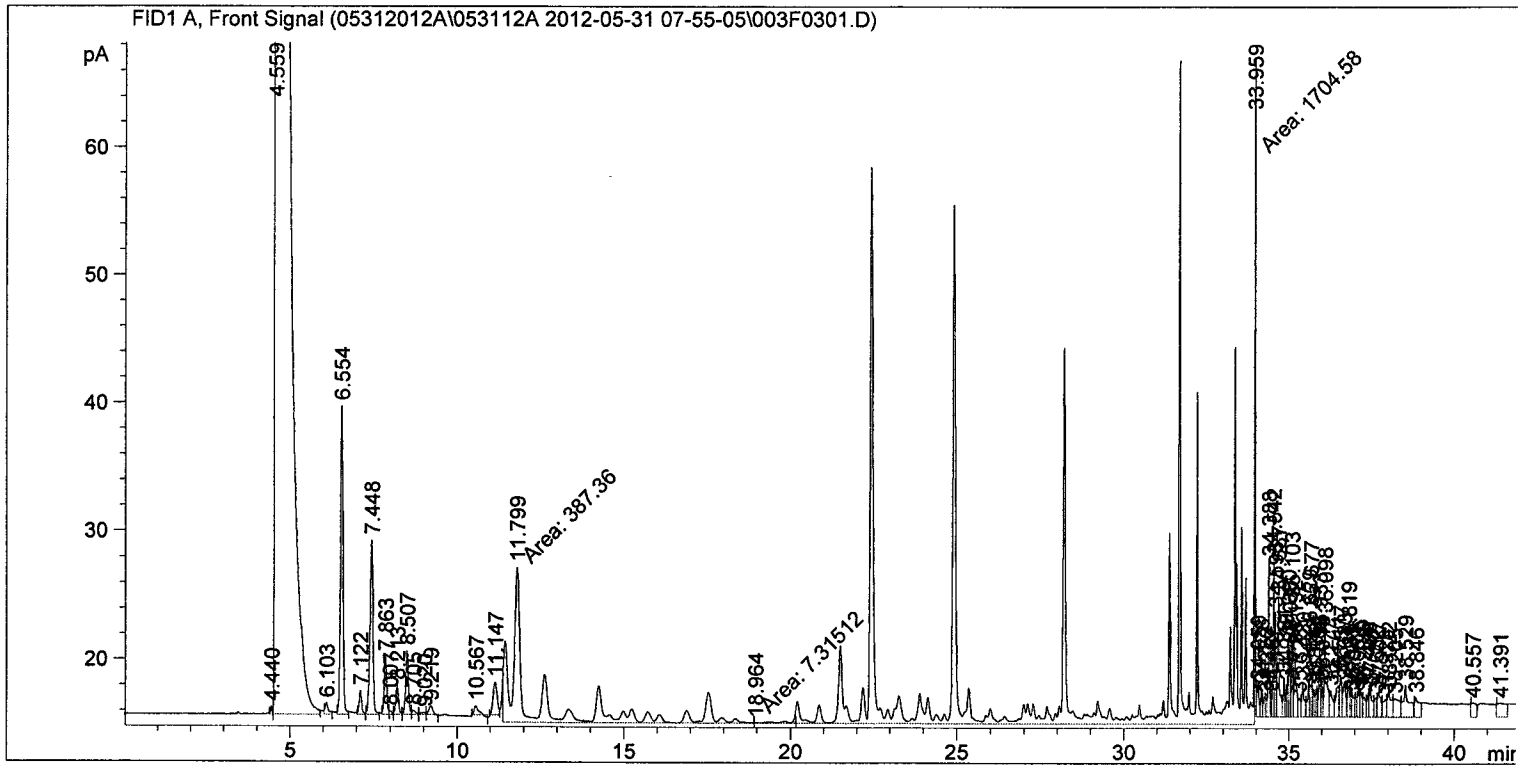
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

==========

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 5/31/2012 9:30:54 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No
Analyst: LEW Date: 5-31-12
Reviewed By: _____ Date: _____

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.431		0.0000	0.00000	0.00000	
Totals :				0.00000	0.0000	

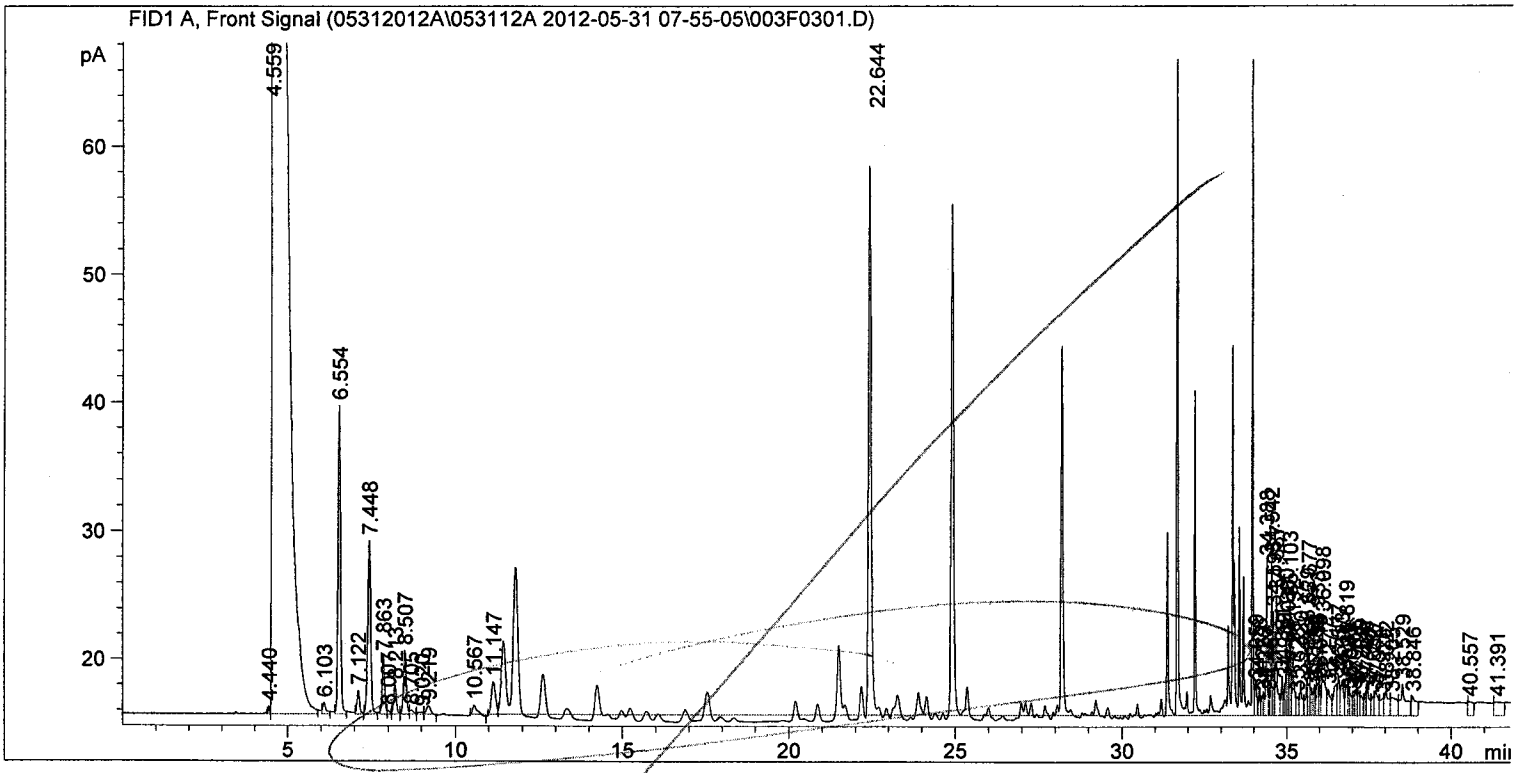
387.36
+ 7.31512
1704.58
2099.5512

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

==========

Acq. Operator : LEW
Seq. Line : 3
Acq. Instrument : 332
Location : Vial 3
Injection Date : 5/31/2012 9:30:54 AM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.4456	1347.45007	8.29843	

Totals : 1347.45007 8.2984

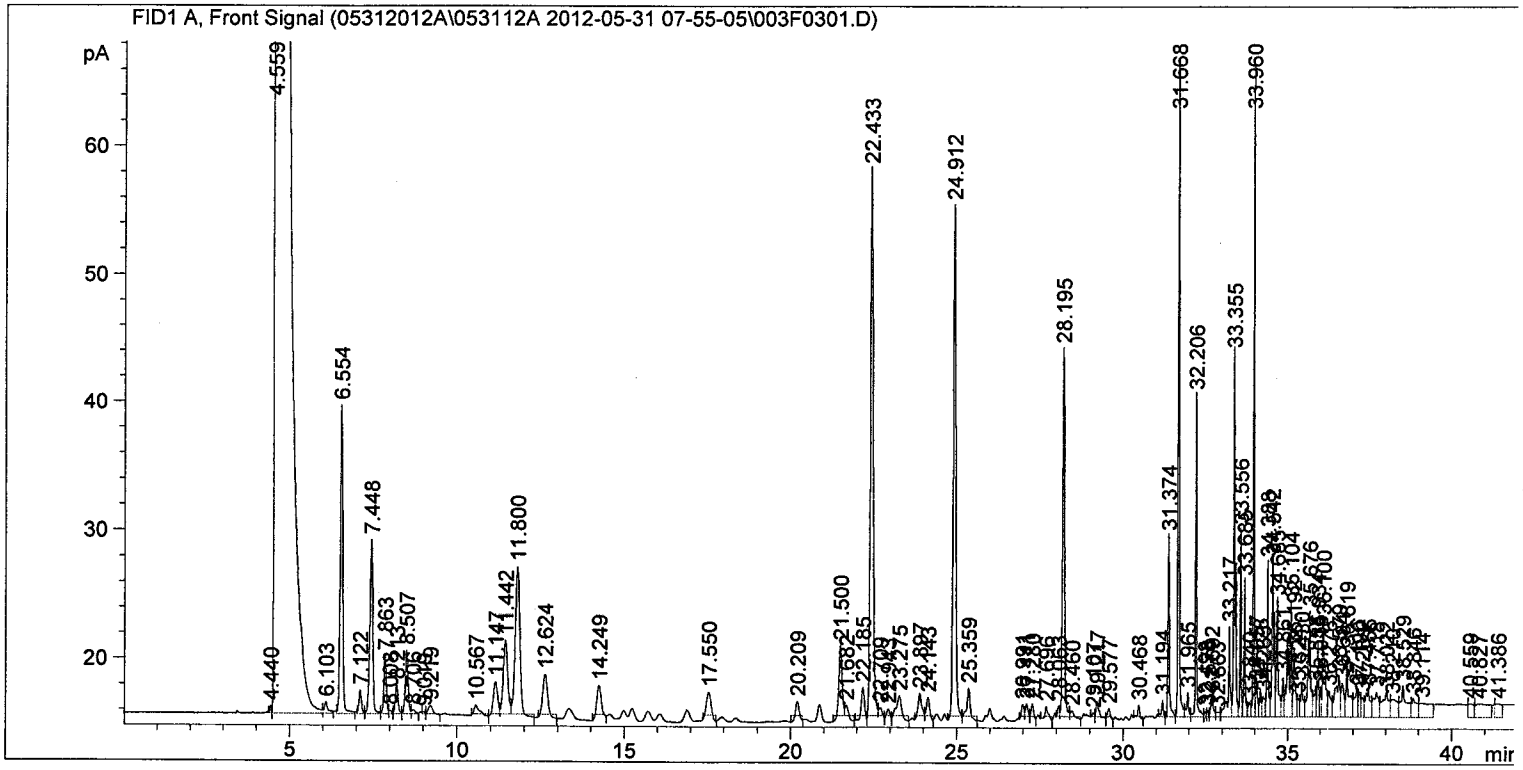
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\003F0301.D
Sample Name: CCV0531A

==========

Acq. Operator	: LEW	Seq. Line	: 3
Acq. Instrument	: 332	Location	: Vial 3
Injection Date	: 5/31/2012 9:30:54 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05312012A\053112A 2012-05-31 07-55-05\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.442	HH		53.92318	3.61398e-1	19.48774		2-Methylpentane
22.433	HH	I	250.41405	1.76741e-1	44.25842		fluorobenzene
24.912	HH	+	210.14810	2.25062e-1	47.29632		@@@
33.960	HH		105.35893	2.98998e-1	31.50210		1,2,4-Trimethylbenzene

Totals : 142.54458

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206983

SDG: KNM050712

Project: KNM

Laboratory ID: 1206983-BSD1

Preparation: 5030B Aqueous Purge & Trap

Initial/Final: 5 mL / 5 mL

Sequence: 2F04025

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	411	103	1	20	75 - 122	ug/L

Column to be used to flag recovery and RPD values with an asterisk

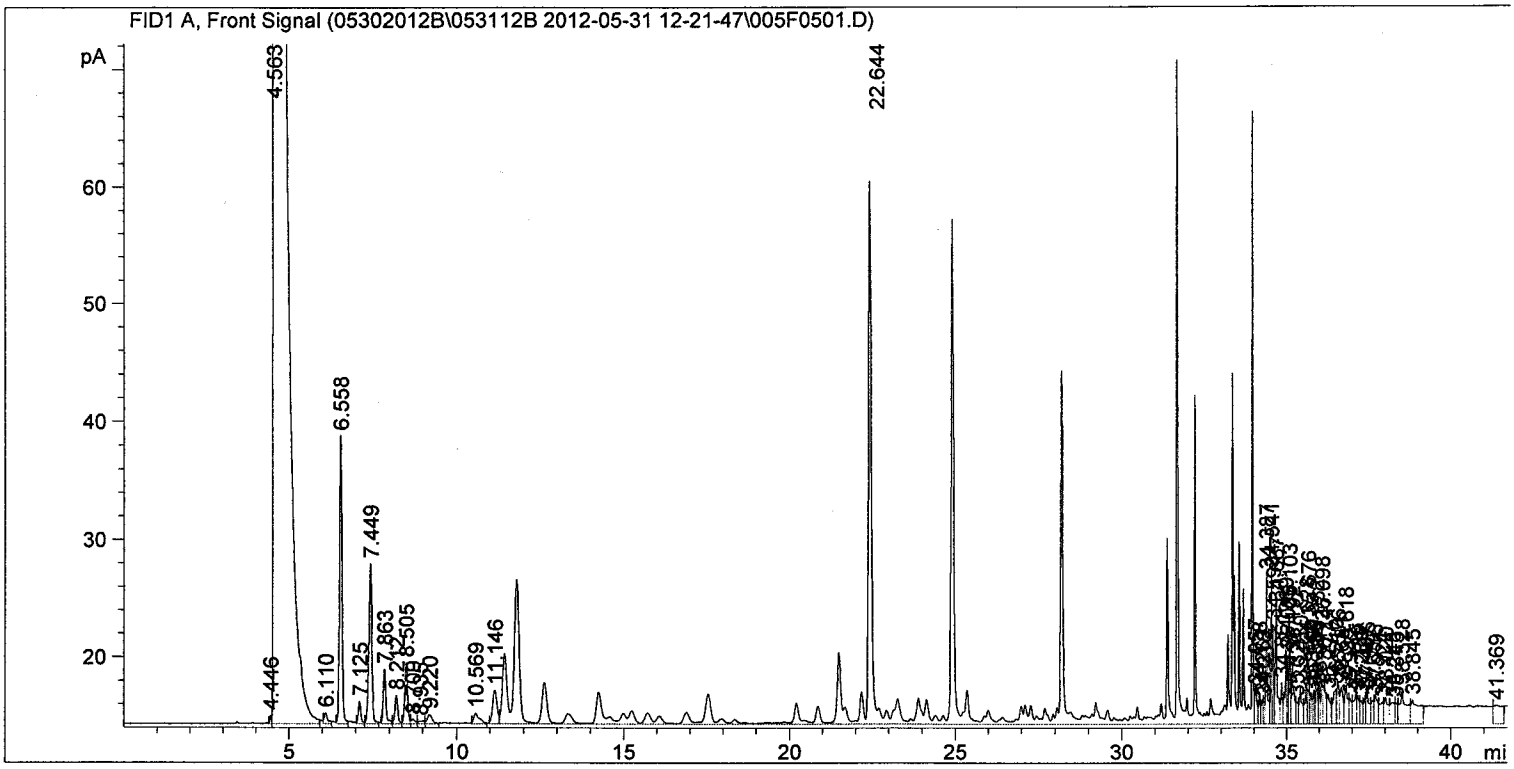
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\005F0501.D
Sample Name: CCV0531B

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 5/31/2012 3:46:04 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM053012.M
Last changed : 5/31/2012 8:41:34 AM by LEW
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 5/31/2012 8:40:41 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

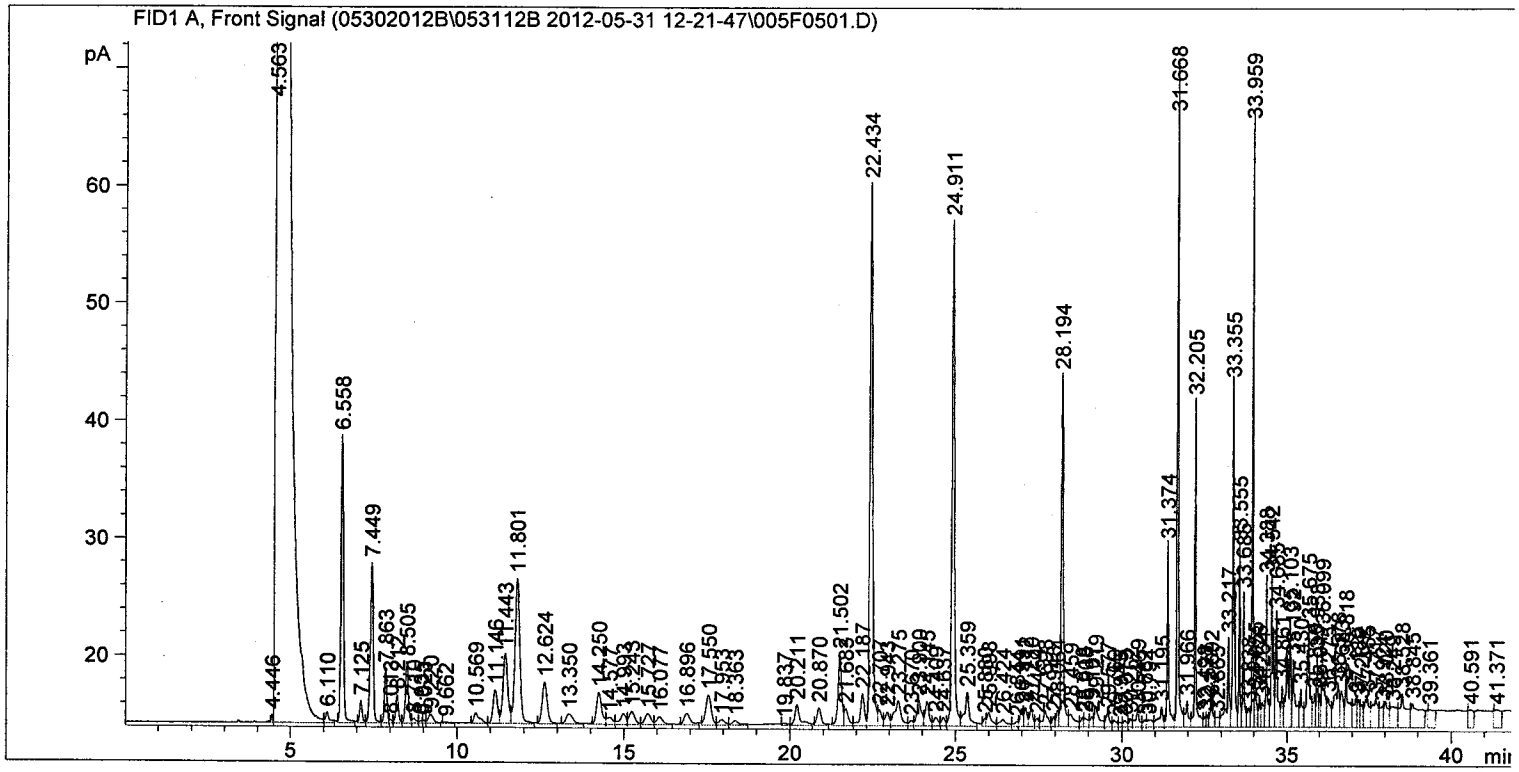
Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.644	HHA+	0.6563	2181.31250	13.46005	
Totals :				2181.31250	13.4601	

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\005F0501.D
Sample Name: CCV0531B

Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 5/31/2012 3:46:04 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\05302012B\053112B 2012-05-31 12-21-47\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_053012.M		
Last changed	: 5/31/2012 7:32:33 AM by LEW		
Method Info	: Instr. #332. EPAGRO 8015C		



External Standard Report

Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.443	HH		58.88639	3.61398e-1	21.28144		2-Methylpentane
22.434	HH	I	281.60458	1.76741e-1	49.77106		fluorobenzene
24.911	HH	+	238.97459	2.25062e-1	53.78406		@@@
33.959	HH		110.45015	2.98998e-1	33.02436		1,2,4-Trimethylbenzene

Totals : 157.86092

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206076

Printed: 5/14/2012 8:42:16AM

Volatiles GC, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2030445 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2030445	1,2DCA-D4 STK	Solvent Lot #K14E06	1
2041186	87 Octane WKG	MEOH Lot #K14E06	1

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205072	GRO 8015B (master list)	1205073	GRO 8015B (master list)	1205085	GRO 8015B (master list)
1205226	GRO 8015B (master list)				

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client/QC Type	Extraction Comments
1206076-BLK1		May-11-12 07:00	LEW	5	5	1				BLANK	
1206076-BS1		May-11-12 07:00	LEW	5	5	1		2041186	2	LCS	
1206076-MS1		May-11-12 07:00	LEW	5	5	1	1205085-02	2041186	2	MATRIX SPIKE	
1206076-MSD1		May-11-12 07:00	LEW	5	5	1	1205085-02	2041186	2	MATRIX SPIKE DUP	
1205072-01	G	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205073-01	G	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205085-01	D	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205085-02	I	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205226-01	G	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205226-02	G	May-11-12 07:00	LEW	5	5	1				TechLaw	C6-10

Comments:	Analyst Initials:

00189

Volatiles GC, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2030445 (Static)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2030445	1,2DCA-D4 STK	Solvent Lot #K14E06	1
2060096	87 Octane WKG	MEOH Lot #K14E06	1

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205358	GRO 8015B (master list)	1205374	GRO 8015B (master list)	1205452	GRO EPA 8015B
1205452	GRO 8015B (master list)	1205453	GRO EPA 8015B	1205461	GRO EPA 8015B

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client/QC Type	Extraction Comments
1206983-BLK2		Jun-01-12 08:00	LEW	5	5	1				BLANK	
1206983-BS2		Jun-01-12 08:00	LEW	5	5	1		2060096	2	LCS	
1206983-BSD2		Jun-01-12 08:00	LEW	5	5	1		2060096	2	LCS DUP	
1205452-01	D	Jun-01-12 08:00	LEW	5	5	1					Added for BatchQC in: 1206983
1205452-04	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205452-04RE1	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205453-02	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205453-02RE1	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205453-03	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205453-04	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205453-05	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205461-02	D	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205461-04	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205461-04RE1	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205461-05	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1205461-06	E	Jun-01-12 08:00	LEW	5	5	1					AFCEE 4.0
1206983-BLK3		Jun-04-12 08:00	LEW	5	5	1				BLANK	
1206983-BS3		Jun-04-12 08:00	LEW	5	5	1		2060096	2	LCS	

Comments:

Analyst Initials:

PREPARATION BATCH 1206983

Volatiles GC, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2030445 (Static)

Batch Comments: (none)

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1206983-MS1		Jun-04-12 08:00	LEW	5	5	1	1205452-01	2060096	2	MATRIX SPIKE	
1206983-MSD1		Jun-04-12 08:00	LEW	5	5	1	1205452-01	2060096	2	MATRIX SPIKE DUP	
1206983-BLK1		May-31-12 07:00	LEW	5	5	1				BLANK	
1206983-BS1		May-31-12 07:00	LEW	5	5	1		2060096	2	LCS	
1206983-BSD1		May-31-12 07:00	LEW	5	5	1		2060096	2	LCS DUP	
1205358-01	D	May-31-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205374-01	D	May-31-12 07:00	LEW	5	5	1				TechLaw	C6-10
1205452-01	D	May-31-12 07:00	LEW	5	5	1					AFCEE 4.0
1205452-02	D	May-31-12 07:00	LEW	5	5	1					AFCEE 4.0
1205452-03	D	May-31-12 07:00	LEW	5	5	1					AFCEE 4.0
1205453-01	D	May-31-12 07:00	LEW	5	5	1					AFCEE 4.0

Comments:	Analyst Initials:

Volatiles GC, Water, May-11-12

Instrument = 332, Calibration = 2D30006

Sequence Analyses:
GRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1206076-BLK1	QC			2040286	BLANK	
2E14004-CCV1	QC		2041376	2040286	CALIBRATION CHECK	
1206076-BS1	QC			2040286	LCS	
1205085-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1205085-02	GRO 8015B (master list)	I		2040286	TechLaw	C6-10
1205073-01	GRO 8015B (master list)	G		2040286	TechLaw	C6-10
1205072-01	GRO 8015B (master list)	G		2040286	TechLaw	C6-10
1205226-01	GRO 8015B (master list)	G		2040286	TechLaw	C6-10
1205226-02	GRO 8015B (master list)	G		2040286	TechLaw	C6-10
2E14004-CCV2	QC		2041376	2040286	CALIBRATION CHECK	
1206076-MS1	QC			2040286	MATRIX SPIKE	
1206076-MSD1	QC			2040286	MATRIX SPIKE DUP	
2E14004-CCV3	QC		2041376	2040286	CALIBRATION CHECK	

Comments:

Analyst Initials:

Volatiles GC, Water, May-31-12

Instrument = 332, Calibration = 2F04008

Sequence Analyses:
GRO 8015B (master list) GRO EPA 8015B

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1206983-BLK1	QC			2040286	BLANK	
2F04025-CCV1	QC		2060099	2040286	CALIBRATION CHECK	
1206983-BS1	QC			2040286	LCS	
1205358-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1205374-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1205452-01	GRO EPA 8015B	D		2040286	[redacted]	AFCEE 4.0
1205452-02	GRO EPA 8015B	D		2040286	[redacted]	AFCEE 4.0
1205452-03	GRO EPA 8015B	D		2040286	[redacted]	AFCEE 4.0
1205453-01	GRO EPA 8015B	D		2040286	[redacted]	AFCEE 4.0
1206983-BSD1	QC			2040286	LCS DUP	
2F04025-CCV2	QC		2060099	2040286	CALIBRATION CHECK	

Comments:

Analyst Initials:

TRIMATRIX LABORATORIES

Instrument Number:	332	Miscellaneous		Temperature Program		Standard Information	
Column Type:	DB-VRX	FID Signal:		Step #1	35° C for 17 minutes	Curve Date:	4-26-12
Column Installation Date:	10/1/2010	FID Temperature:	300° C	Step #2	6.5° C/minute to 110° C	IS/SS Std.:	2030377
Column Flow Rate:	5.5 ml/min	Hydrogen Flow:	30 ml/min	Step #3	20° C/minute to 220° C, hold for 8.00 minute	Working Std:	2041186
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	EPA GRO - WTR	LCS Std:	2040164
		Make-up flow rate:	25 ml/min	Step #5	Column# 0090183	Sequence No:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
4-26-12	LEW	8260					829	QC	EPA RT STD		
			5	50			1050		100p0426		
			10				1141		200p0426		
			20				1228		400p0426		
			30				1316		600p0426		
			40				1403		800p0426		
			50	50			1450		1000p0426		
							1537		R		
4-26-12	LEW	8260B	5	50			1624		SCN0426		

15190

TRIMATRIX LABORATORIES

Instrument Number:	332	Miscellaneous		Temperature Program		Standard Information	
Column Type:	DB-VRX	FID Signal:		Step #1	35° C for 17 minutes	Curve Date:	4-26-12
Column Installation Date:	10/1/2010	FID Temperature:	300° C	Step #2	6.5° C/minute to 110° C	IS/SS Std.:	2030377
Column Flow Rate:	5.5 ml/min	Hydrogen Flow:	30 ml/min	Step #3	20° C/minute to 220° C, hold for 8.00 minute	Working Std:	2041186
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	EPA GRO WTR	LCS Std:	
		Make-up flow rate:	25 ml/min	Step #5	Column# 0090183	Sequence No:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
5-11-12	LEW	8015C					739	QC	EPA RT STD		
							826		R		
							913		BLK0511A		
			20	50			1000		CCV0511A		
					rr@5x	✓	1101	Tech Law	1205072-01		
					rr@1x	✓	1148		1205073-01	10mL/50mL	
						✓	1236		1205285-01		
						✓	1324		⊥ -02		
					rr@2x, Surr failed	✓	1411		1205226-01		
					rr@2x, Surr failed	✓	1459		⊥ -02		
						✓	1547		1205073-01		
					5x	✓	1635		1205072-01	10mL/50mL	
					2x	✓	1724		1205226-01A	25mL/50mL	
					2x	✓	1811		⊥ -02A	25mL/50mL	
			20	50			1859	QC	CCV0511B		
							1947	Tech Law	1205085 02mS		
			40	100			2035	⊥	⊥ -02md		
			⊥	⊥			2122	QC	CCV0511C		
			20	50	20uL | 100 mL		2209	[redacted]	1204360-36	5x	
5-11-12	LEW	8015C					2257	⊥	⊥ -36D	5x	

56196

TRIMATRIX LABORATORIES

Date	Analyst	Method	Standard Prep		Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
			uL Used	Final Vol. (mL)							
5-11-12	LEN	8015C	20	50			2345	QC	CCV 0511 D		

00195

TRIMATRIX LABORATORIES

Instrument Number:	332	Miscellaneous		Temperature Program		Standard Information	
Column Type:	DB-VRX	FID Signal:		Step #1	35° C for 17 minutes	Curve Date:	~~12~~ 05-30-12
Column Installation Date:	10/1/2010	FID Temperature:	300° C	Step #2	6.5° C/minute to 110° C	IS/SS Std.:	2030377
Column Flow Rate:	5.5 ml/min	Hydrogen Flow:	30 ml/min	Step #3	20° C/minute to 220° C, hold for 8.00 minute	Working Std:	2060096
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	Column# 0090183	LCS Std:	2041238
		Make-up flow rate:	25 ml/min	Step #5	EPA GRO-WTR	Sequence No:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
5-30-12	LEW	8015C					829	QC	EPA RT STD		
							916		R		
			5	50			1050		100p0530		
			10				1137	LEW 6-1-12	200p0530		
			20				~~1224~~ 1224		400p0530		
			30				1312		600p0530		
			40				1359		800p0530		
			50	50			1456		1000p0530		
							1533		R1		
5-30	LEW	8015C	5	50			~~1622~~		SCN0530		

LEW 6-1-12

TRIMATRIX LABORATORIES

Instrument Number:	332	Miscellaneous		Temperature Program		Standard Information	
Column Type:	DB-VRX	FID Signal:		Step #1	35° C for 17 minutes	Curve Date:	5-30-12
Column Installation Date:	10/1/2010	FID Temperature:	300° C	Step #2	6.5° C/minute to 110° C	IS/SS Std.:	2030377
Column Flow Rate:	5.5 ml/min	Hydrogen Flow:	30 ml/min	Step #3	20° C/minute to 220° C, hold for 8.00 minute	Working Std:	2060096
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	Column # 009183	LCS Std:	
		Make-up flow rate:	25 ml/min	Step #5	EPA-GRD WTR	Sequence No:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
5-31-12	LEW	8015C					706	QC	EPARTST		
							756		R1		
							843		BLK0531		
			20	50			930		CCN0531A		
						✓	1032	Tech Law	1205358-01		
						✓	1119		1205374-01		
						✓	1238	[redacted]	1205452-01		
						✓	1325		-02		
						✓	1412		-03		
						✓	1459		1205453-01		
			20	50			1546	QC	CCN0531B		
					rr	✓	1633	[redacted]	1205453-03		
						✓	1720		-04		
						✓	1807		-05		
						✓	1924		1205461-06		
5-31-12	LEW	8015			rr@50x	✓	2011		1205453-02		
					auto sampler stopped						

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #: 332 **Date:** 4/26/12

Column 1 ID: 90183 **File Name:**

Column 2 ID:

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
2-Methylpentane	11.44	11.28	to	11.59
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.909	24.88	to	24.94

Data File C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\001F0101.D
Sample Name: EPA RT STD

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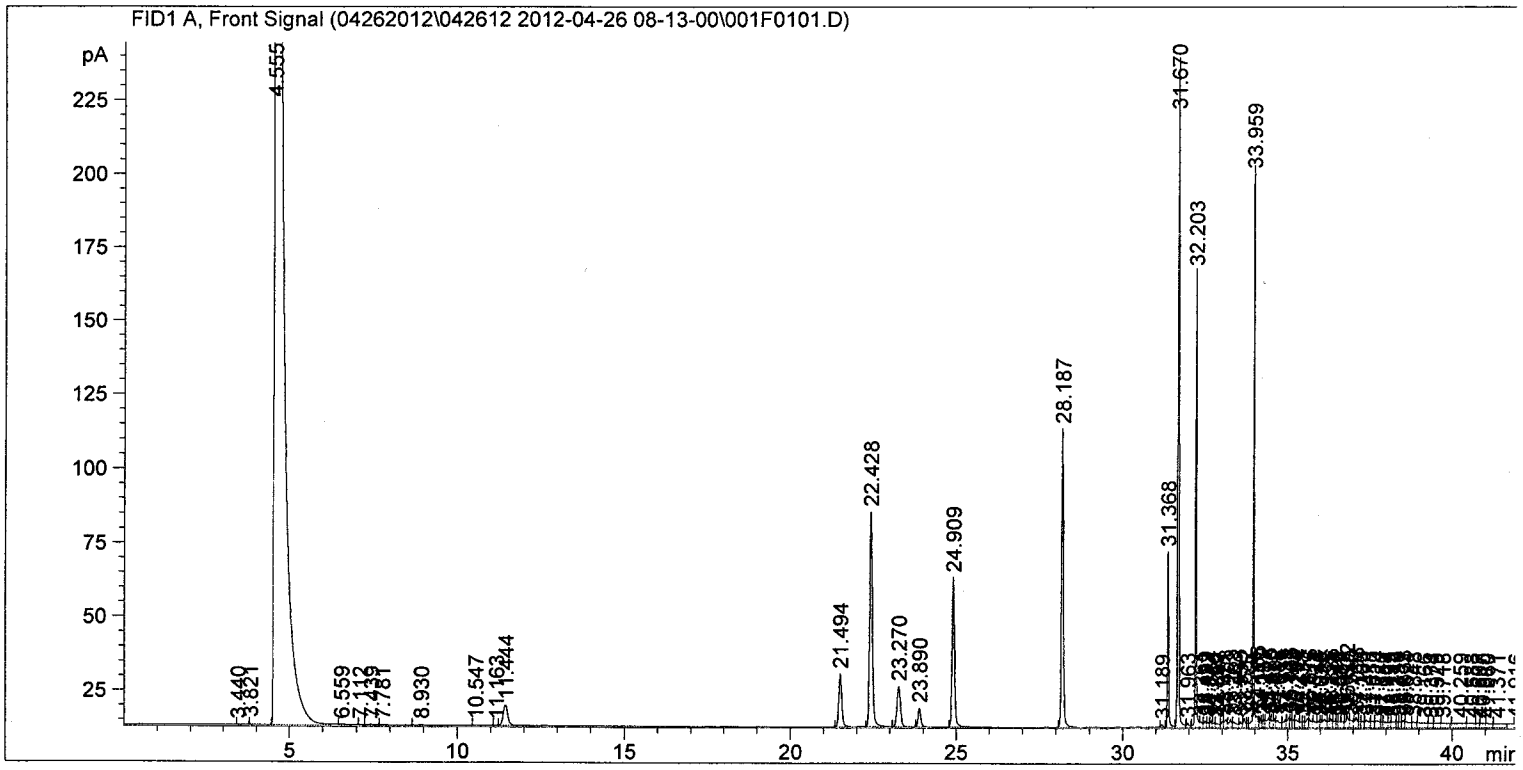
Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 4/26/2012 8:29:15 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/12/2012 7:26:55 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 12, 2012 7:26:39 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.444	HH		66.34606	4.83730e-1	32.09361		2-Methylpentane
22.428	HH	I	428.30878	2.23139e-1	95.57230		fluorobenzene
24.909	HH	+	269.54694	3.08071e-1	83.03962		@@@
33.959	HH		384.67227	5.03641e-1	193.73688		1,2,4-Trimethylbenzene

Totals : 404.44241

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #: 332 **Date:** 5/11/12

Column 1 ID: 90183 **File Name:**

Column 2 ID:

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
2-Methylpentane	11.45	11.29	to	11.60
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.908	24.88	to	24.94

Data File C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\001F0101.D
Sample Name: EPA RT STD

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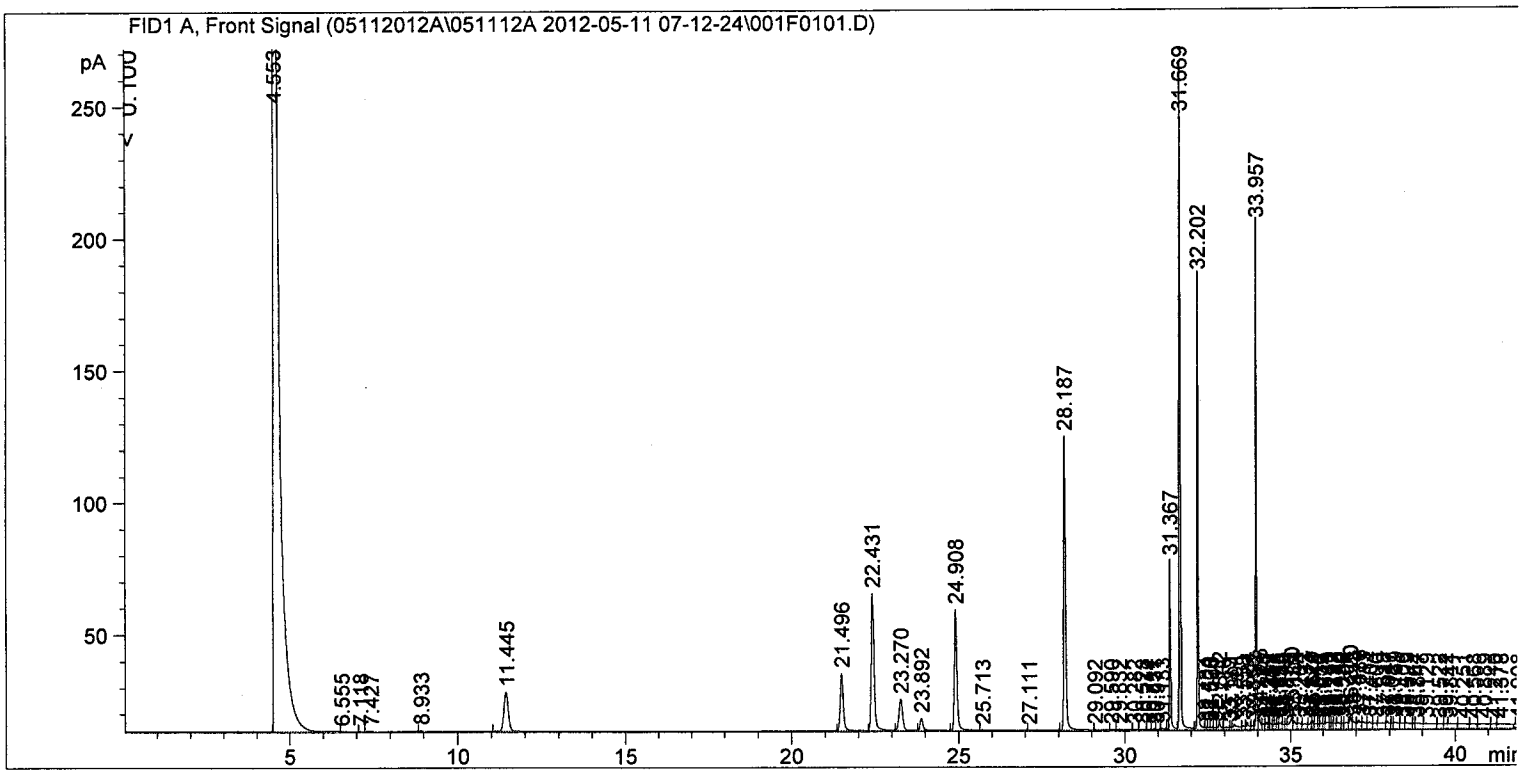
Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 5/11/2012 7:39:38 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05112012A\051112A 2012-05-11 07-12-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
(Current integration events modified)
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.445	HH		140.97502	3.49422e-1	49.25971		2-Methylpentane
22.431	HH	I	314.91553	1.14861e-1	36.17148		fluorobenzene
24.908	HH	+	251.89819	1.81469e-1	45.71173		@@@
33.957	HH		374.34052	3.02296e-1	113.16154		1,2,4-Trimethylbenzene

Totals : 244.30447

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #: 332 **Date:** 5/30/12
Column 1 ID: 90183 **File Name:**
Column 2 ID:

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
2-Methylpentane	11.45	11.29	to	11.61
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.913	24.88	to	24.94

Data File C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\001F0101.D
Sample Name: EPA RT STD

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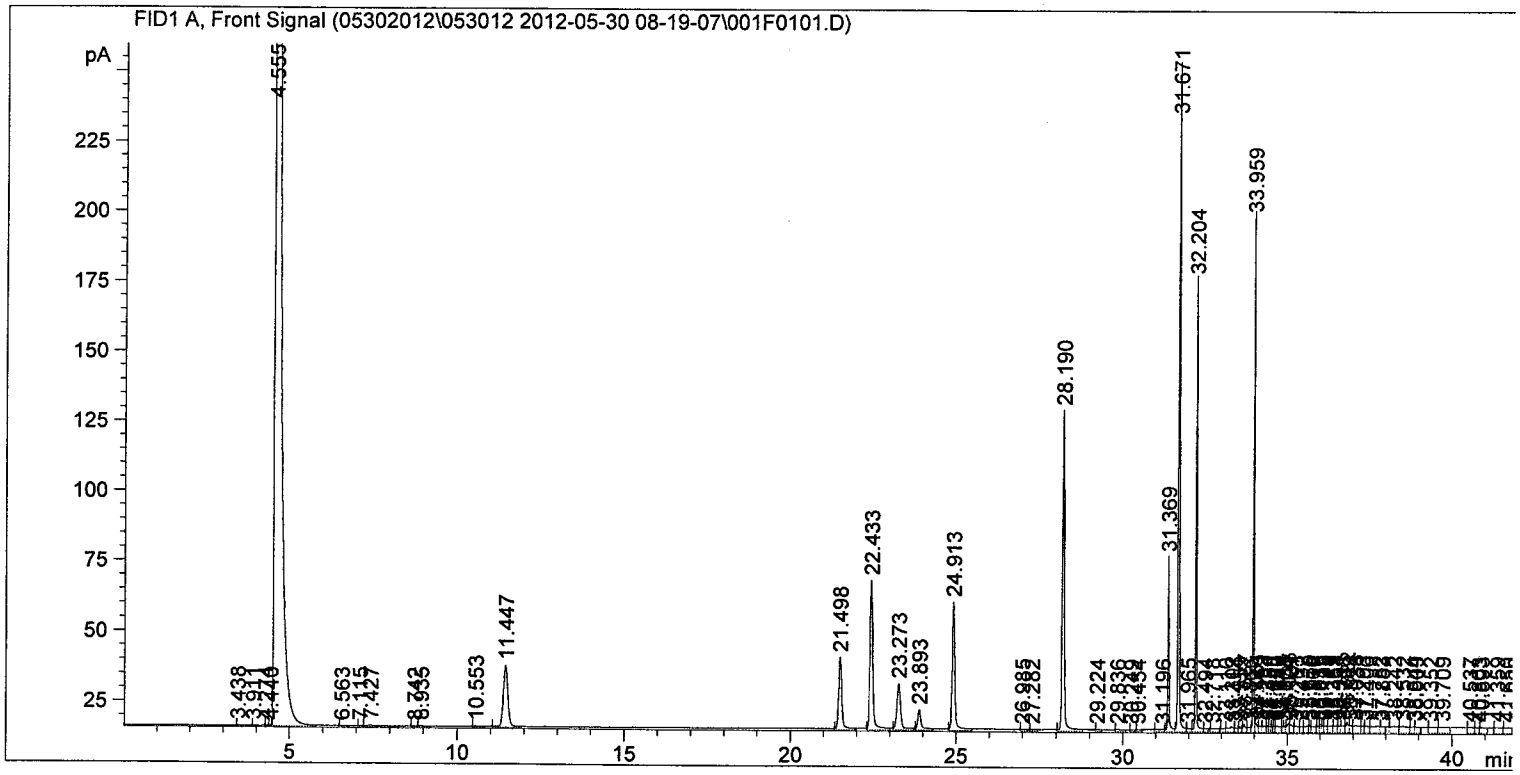
Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 5/30/2012 8:29:14 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\05302012\053012 2012-05-30 08-19-07\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
Last changed : 4/26/2012 3:34:23 PM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, April 26, 2012 3:33:34 PM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.447	HH		217.66431	3.49422e-1	76.05660		2-Methylpentane
22.433	HH	I	336.32889	1.14861e-1	38.63104		fluorobenzene
24.913	HH	+	268.18045	1.81469e-1	48.66646		@@@
33.959	HH		360.74368	3.02296e-1	109.05128		1,2,4-Trimethylbenzene

Totals : 272.40538

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #: 332 **Date:** 5/31/12
Column 1 ID: 90183 **File Name:**
Column 2 ID:

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
2-Methylpentane	11.45	11.29	to	11.61
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.909	24.88	to	24.94

Data File C:\CHEM32\1\DATA\05312012\053112 2012-05-31 06-51-24\001F0101.D
Sample Name: EPA RT STD

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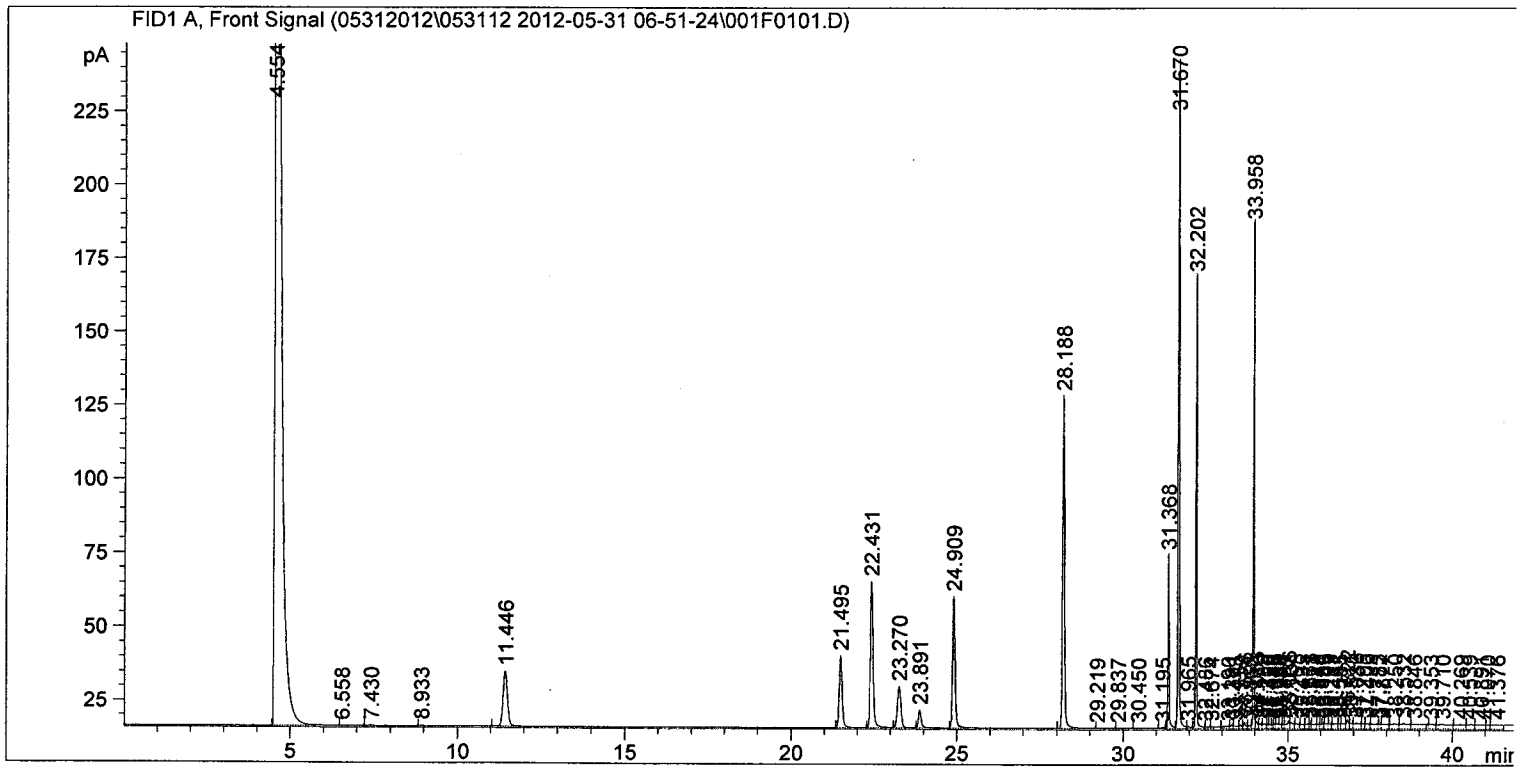
Acq. Operator	: LEW	Seq. Line	: 1
Acq. Instrument	: 332	Location	: Vial 1
Injection Date	: 5/31/2012 7:06:10 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\05312012\053112 2012-05-31 06-51-24\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_053012.M
Last changed : 5/31/2012 7:32:33 AM by LEW
Method Info : Instr. #332. EPAGRO 8015C



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External Standard Report

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Sorted By : Signal
Calib. Data Modified : Thursday, May 31, 2012 7:32:13 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.446	HH		174.14763	3.61398e-1	62.93665		2-Methylpentane
22.431	HH	I	295.81134	1.76741e-1	52.28198		fluorobenzene
24.909	HH	+	240.06848	2.25062e-1	54.03025		@@@
33.958	HH		333.63364	2.98998e-1	99.75576		1,2,4-Trimethylbenzene

Totals : 269.00464

INITIAL_CALIBRATION_avg

TriMatrix Laboratories, Inc.

Curve name: **WTR12EPA**
Curve Date: 04/26/12
Mean Calibration Factor: 4.24
%RSD: 5.94

Water MDL: 24.0 ug/L
Soil MDL: 1.23 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

2D30006

002907

> = OVER RANGE

Sample / Standard	QC (Y,N)	Spike Conc. (ug/L)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	Calibration Factor	>	Calculated Conc. (ug/L)	% Recovery
NO AREA			0.00	0.00	0.00	0.00			0.0	
100ppb	Y	100	1125.87036	417.65878	260.23401	447.98	4.48		105.6	106
200ppb	Y	200	1606.59949	427.35159	264.5954	914.65	4.57		215.5	108
400ppb	Y	400	2416.31909	437.98663	276.34814	1701.98	4.25		401.0	100
600ppb	Y	600	3218.13257	441.82025	280.03552	2496.28	4.16		588.2	98
800ppb	Y	800	4020.04272	442.16409	288.70993	3289.17	4.11		775.0	97
1000ppb	Y	1000	4612.37402	444.87363	283.25125	3884.25	3.88		915.2	92
						#VALUE!	#VALUE!	###	#VALUE!	#VALUE!

TriMatrix Laboratories, Inc.

April 26, 2012

Curve name: **WTR12EPA**
Curve Date: 04/26/12
Mean Calibration Factor: 4.24
%RSD: 5.94 **note: using linear cal**

Water MDL: 24 ug/L
Soil MDL: 1.2 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

override %RSD criterion to use linear? yes

> = OVER RANGE

Sample / Standard	Spike Conc. (ug/L)	Matrix (S,W)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	>	Raw Conc. (ug/L)	Dilution Factor	% Solids	Final Conc. (ug/L)	Final Conc. (mg/kg)	% Recovery
SCV	550	W	3190.54688	416.85526	274.79352	2498.90		614.4	1	1.00	614		112

TriMatrix Laboratories, Inc.

May 11, 2012

Curve name: **WTR12EPA**
Curve Date: 04/26/12
Mean Calibration Factor: 4.24
%RSD: 5.94 **note: using linear cal**

Water MDL: 24 ug/L
Soil MDL: 1.2 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

override %RSD criterion to use linear? ____yes____

> = OVER RANGE

	Sample / Standard	Spike Conc. (ug/L)	Matrix (S,W)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	>	Raw Conc. (ug/L)	Dilution Factor	% Solids	Final Conc. (ug/L)	Final Conc. (mg/kg)	% Recovery
	BLK0511		W	703.61591	319.44162	244.01634	140.16		1.9	1	1.00	2		#VALUE!
	CCV0511A	400	W	2111.95679	326.47064	247.74298	1537.74		364.8	1	1.00	365		91
rr	1205072-01		W	11559.3	267.20496	351.09189	10941.00	>	2806.8	1	1.00	2807		
rr	1205073-01		W	710.77606	304.12076	238.40738	168.25		9.2	5	1.00	46		
	1205085-01		W	681.61346	302.7735	241.86804	136.97		1.1	1	1.00	1		
	1205285-02		W	731.50726	323.00827	259.11691	149.38		4.3	1	1.00	4		
rr	1205226-01		W	4456.55469	320.82318	394.24734	3741.48		937.1	1	1.00	937		
rr	1205226-02		W	4514.4751	309.71527	382.87466	3821.89		958.0	1	1.00	958		
	1205073-01A		W	747.91254	325.96768	266.18546	155.76		5.9	1	1.00	6		
	1205072-01A		W	3015.27856	321.61124	306.65359	2387.01		585.4	5	1.00	2927		
	1205226-01A		W	2513.83179	319.41501	328.31329	1866.10		450.1	2	1.00	900		
	1205226-02A		W	2485.77661	318.30911	319.17731	1848.29		445.5	2	1.00	891		
	CCV0511B	400	W	2175.27612	321.18115	261.51498	1592.58		379.1	1	1.00	379		95
	1205085-02MS	400	W	2203.61401	317.230804	261.4183	1624.96		387.5	1	1.00	387		97
	1205085-02MD	400	W	2131.70459	318.8337	255.0354	1557.84		370.1	1	1.00	370		93
	CCV0511C	400	W	2211.37646	309.29474	247.64107	1654.44		395.1	1	1.00	395		99
	1204360-36		W	3213.56323	302.49527	249.17462	2661.89		656.8	5	1.00	3284		
	1204360-36D		W	3116.45532	294.83432	245.51955	2576.10		634.5	5	1.00	3172		
	CCV0511D	400	W	2284.65137	310.40637	255.93871	1718.31		411.7	1	1.00	412		103

TriMatrix Laboratories, Inc.

Curve name: **WTR13EPA**
Curve Date: 05/30/12
Mean Calibration Factor: 4.18
%RSD: 10.39

Water MDL: 24.0 ug/L
Soil MDL: 1.23 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

Cal. 2FD4008

> = OVER RANGE

Sample / Standard	QC (Y,N)	Spike Conc. (ug/L)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	Calibration Factor	>	Calculated Conc. (ug/L)	% Recovery
NO AREA			0.00	0.00	0.00	0.00			0.0	
100ppb	Y	100	987.68542	282.03198	212.63843	493.02	4.93		117.9	118
200ppb	Y	200	1397.62756	286.56351	221.20915	889.85	4.45		212.9	106
400ppb	Y	400	2107.08355	272.05057	211.03291	1624.00	4.06		388.5	97
600ppb	Y	600	2900.02881	286.65717	229.58591	2383.79	3.97		570.3	95
800ppb	Y	800	3649.38062	290.32645	229.91537	3129.14	3.91		748.6	94
1000ppb	Y	1000	4265.85547	279.76398	228.58521	3757.51	3.76		898.9	90
						#VALUE!	#VALUE!	###	#VALUE!	#VALUE!

TriMatrix Laboratories, Inc.

May 30, 2012

Curve name: **WTR13EPA**
Curve Date: 05/30/12
Mean Calibration Factor: 4.18
%RSD: 10.39 **note: using linear cal**

Water MDL: 24 ug/L
Soil MDL: 1.2 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

override %RSD criterion to use linear? yes

> = OVER RANGE

Sample / Standard	Spike Conc. (ug/L)	Matrix (S,W)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	>	Raw Conc. (ug/L)	Dilution Factor	% Solids	Final Conc. (ug/L)	Final Conc. (mg/kg)	% Recovery
SCV0530	550	W	2360.65674	256.08511	210.35825	1894.21		475.1	1	1.00	475		86

11290

TriMatrix Laboratories, Inc.

May 31, 2012

Curve name: **WTR13EPA**
Curve Date: 05/30/12
Mean Calibration Factor: 4.18
%RSD: 10.39 **note: using linear cal**

Water MDL: 24 ug/L
Soil MDL: 1.2 mg/kg
LOW STD: 100 ug/L
HIGH STD: 1000 ug/L

override %RSD criterion to use linear? yes

> = OVER RANGE

Sample / Standard	Spike Conc. (ug/L)	Matrix (S,W)	Total Area	IS Area	Surr. Area	Adjusted GRO Area	>	Raw Conc. (ug/L)	Dilution Factor	% Solids	Final Conc. (ug/L)	Final Conc. (mg/kg)	% Recovery
BLK0531		W	605.56836	269.20599	224.00008	112.36		-12.1	1	1.00	-12		#VALUE!
CCV0531	400	W	2099.5512	250.41405	210.1481	1638.99		405.3	1	1.00	405		101
1205358-01		W	748.6684	278.17996	232.82523	237.66		22.1	1	1.00	22		
1205374-01		W	608.2522	271.74628	228.10571	108.40		-13.2	1	1.00	-13		
1205452-01		W	1646.00903	290.46802	222.7327	1132.81		266.9	1	1.00	267		
1205452-02		W	1295.37231	284.20953	222.90561	788.26		172.7	1	1.00	173		
1205452-03		W	1793.60938	290.45242	218.98817	1284.17		308.3	1	1.00	308		
1205453-01		W	660.18536	278.07205	232.34439	149.77		-1.9	1	1.00	-2		
CCV0531B	400	W	2181.3125	281.60458	238.97459	1660.73		411.3	1	1.00	411		103