TRIMATRIX LABORATORIES

SECTION - D

GC 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:
1204329-01 106058
1204454-01 106053
1204454-02 106054

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:
1204091-01 KAFB-003
2D16017-CAL4

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM040512

USEPA-8015C

SAMPLE ID SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
KAFB-003	1204091-01
106042	1204205-01
106089	1204205-02
106058	1204329-01
106053	1204454-01
106054	1204454-02

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2D16005
Sequence: 2D16024
Instrument: 332

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Blank (1204606-BLK1)		**Lab File ID: 002F0201.D**		**Analyzed: 04/12/12 09:28**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	99	71 - 134	
LCS (1204606-BS1)		**Lab File ID: 003F0301.D**		**Analyzed: 04/12/12 10:15**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	102	71 - 134	
Calibration Check (2D16024-CCV1)		**Lab File ID: 003F0301.D**		**Analyzed: 04/12/12 10:15**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	102	85 - 115	
106042 (1204205-01)		**Lab File ID: 005F0501.D**		**Analyzed: 04/12/12 12:02**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	112	71 - 134	
106089 (1204205-02)		**Lab File ID: 006F0601.D**		**Analyzed: 04/12/12 12:50**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	103	71 - 134	
KAFB-003 (1204091-01)		**Lab File ID: 007F0701.D**		**Analyzed: 04/12/12 13:37**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	104	71 - 134	
LCS Dup (1204606-BSD1)		**Lab File ID: 008F0801.D**		**Analyzed: 04/12/12 14:35**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	83	71 - 134	
Calibration Check (2D16024-CCV2)		**Lab File ID: 008F0801.D**		**Analyzed: 04/12/12 14:35**			
aaa-Trifluorotoluene	24.91	24.91	0.00	+/-1.0	83	85 - 115	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2D30020

SDG: KNM040512
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 (1205361-BLK1)		**Lab File ID: 003F0301.D**		**Analyzed: 04/27/12 09:09**			
aaa-Trifluorotoluene	24.90	24.91	0.00	+/-1.0	96	71 - 134	
LCS (1205361-BS1)		**Lab File ID: 004F0401.D**		**Analyzed: 04/27/12 09:56**			
aaa-Trifluorotoluene	24.90	24.91	0.00	+/-1.0	101	71 - 134	
Calibration Check (2D30020-CCV1)		**Lab File ID: 004F0401.D**		**Analyzed: 04/27/12 09:56**			
aaa-Trifluorotoluene	24.90	24.91	0.00	+/-1.0	101	85 - 115	
106058 (1204329-01)		**Lab File ID: 005F0501.D**		**Analyzed: 04/27/12 11:05**			
aaa-Trifluorotoluene	24.90	24.91	-0.01	+/-1.0	98	71 - 134	
106053 (1204454-01)		**Lab File ID: 006F0601.D**		**Analyzed: 04/27/12 11:52**			
aaa-Trifluorotoluene	24.90	24.91	0.00	+/-1.0	96	71 - 134	
106054 (1204454-02)		**Lab File ID: 007F0701.D**		**Analyzed: 04/27/12 12:39**			
aaa-Trifluorotoluene	24.90	24.91	0.00	+/-1.0	100	71 - 134	
LCS Dup (1205361-BSD1)		**Lab File ID: 001F0101.D**		**Analyzed: 04/27/12 14:34**			
aaa-Trifluorotoluene	24.90	24.91	-0.01	+/-1.0	103	71 - 134	
Calibration Check (2D30020-CCV2)		**Lab File ID: 001F0101.D**		**Analyzed: 04/27/12 14:34**			
aaa-Trifluorotoluene	24.90	24.91	-0.01	+/-1.0	103	85 - 115	

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM040512
Project: KNM
Laboratory ID: 1204606-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1204606
Sequence: 2D16024

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	388	97	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: KNM040512
Project: KNM
Laboratory ID: 1204606-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1204606
Sequence: 2D16024

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	328	82	17	20	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: KNM040512
Project: KNM
Laboratory ID: 1205361-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1205361
Sequence: 2D30020

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	409	102	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: KNM040512
Project: KNM
Laboratory ID: 1205361-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1205361
Sequence: 2D30020

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	420	105	3	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: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204606-BLK1 File ID: 002F0201.D

Prepared: 04/12/12 08:00 Analyzed: 04/12/12 09:28

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

QC Batch: 1204606 Sequence: 2D16024 Calibration: 2D16005 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	49.3	99	71 - 134	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

QC Batch: 1204606 QC Batch Matrix: Water Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB-003	1204091-01	04/12/12 08:00	C6-10
106042	1204205-01	04/12/12 08:00	C6-10
106089	1204205-02	04/12/12 08:00	C6-10
Blank	1204606-BLK1	04/12/12 08:00	
LCS	1204606-BS1	04/12/12 08:00	
LCS Dup	1204606-BSD1	04/12/12 08:00	

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205361-BLK1 File ID: 003F0301.D

Prepared: 04/27/12 08:00 Analyzed: 04/27/12 09:09

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

QC Batch: 1205361 Sequence: 2D30020 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	47.9	96	71 - 134	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

QC Batch: 1205361 QC Batch Matrix: Water Preparation: 5030B Aqueous Purge & Trap

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1204329-01	04/27/12 08:00	C6-10
106053	1204454-01	04/27/12 08:00	C6-10
106054	1204454-02	04/27/12 08:00	C6-10
Blank	1205361-BLK1	04/27/12 08:00	
LCS	1205361-BS1	04/27/12 08:00	
LCS Dup	1205361-BSD1	04/27/12 08:00	

INITIAL CALIBRATION STANDARDS
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D16017

SDG: KNM040512
Project: KNM
Calibration: 2D16005
Instrument: 332

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2040686	GRO CAL 1 041112	2D16017-CAL1	004F0401.D	04/11/12 15:44
2040687	GRO CAL 2 041112	2D16017-CAL2	005F0501.D	04/11/12 16:32
2040688	GRO CAL 3 041112	2D16017-CAL3	006F0601.D	04/11/12 17:19
2040689	GRO CAL 4 041112	2D16017-CAL4	007F0701.D	04/11/12 18:06
2040690	GRO CAL 5 041112	2D16017-CAL5	008F0801.D	04/11/12 18:53
2040691	GRO CAL 6 041112	2D16017-CAL6	009F0901.D	04/11/12 19:40
2040692	GR0 SCV 041112	2D16017-SCV1	011F1101.D	04/11/12 21:14

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D16024

SDG: KNM040512
Project: KNM
Calibration: 2D16005
Instrument: 332

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1204606-BLK1	002F0201.D	04/12/12 09:28
Calibration Check	2D16024-CCV1	003F0301.D	04/12/12 10:15
LCS	1204606-BS1	003F0301.D	04/12/12 10:15
106042	1204205-01	005F0501.D	04/12/12 12:02
106089	1204205-02	006F0601.D	04/12/12 12:50
KAFB-003	1204091-01	007F0701.D	04/12/12 13:37
LCS Dup	1204606-BSD1	008F0801.D	04/12/12 14:35
Calibration Check	2D16024-CCV2	008F0801.D	04/12/12 14:35

INITIAL CALIBRATION STANDARDS
USEPA-8015C

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

SDG: KNM040512
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: 2D30020

SDG: KNM040512
Project: KNM
Calibration: 2D30006
Instrument: 332

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1205361-BLK1	003F0301.D	04/27/12 09:09
Calibration Check	2D30020-CCV1	004F0401.D	04/27/12 09:56
LCS	1205361-BS1	004F0401.D	04/27/12 09:56
106058	1204329-01	005F0501.D	04/27/12 11:05
106053	1204454-01	006F0601.D	04/27/12 11:52
106054	1204454-02	007F0701.D	04/27/12 12:39
LCS Dup	1205361-BSD1	001F0101.D	04/27/12 14:34
Calibration Check	2D30020-CCV2	001F0101.D	04/27/12 14:34

HOLDING TIME SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

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
KAFB-003	04/04/12	04/05/12		04/12/12	8	14	04/12/12	0	14	
106042	04/10/12	04/11/12		04/12/12	2	14	04/12/12	0	14	
106089	04/10/12	04/11/12		04/12/12	2	14	04/12/12	0	14	
106058	04/17/12	04/18/12		04/27/12	10	14	04/27/12	0	14	
106053	04/24/12	04/25/12		04/27/12	3	14	04/27/12	0	14	
106054	04/24/12	04/25/12		04/27/12	3	14	04/27/12	0	14	

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204091-01 File ID: 007F0701.D

Sampled: 04/04/12 13:31 Prepared: 04/12/12 08:00 Analyzed: 04/12/12 13:37

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

QC Batch: 1204606 Sequence: 2D16024 Calibration: 2D16005 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	51.8	104	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\007F0701.D
Sample Name: 1204091-01A

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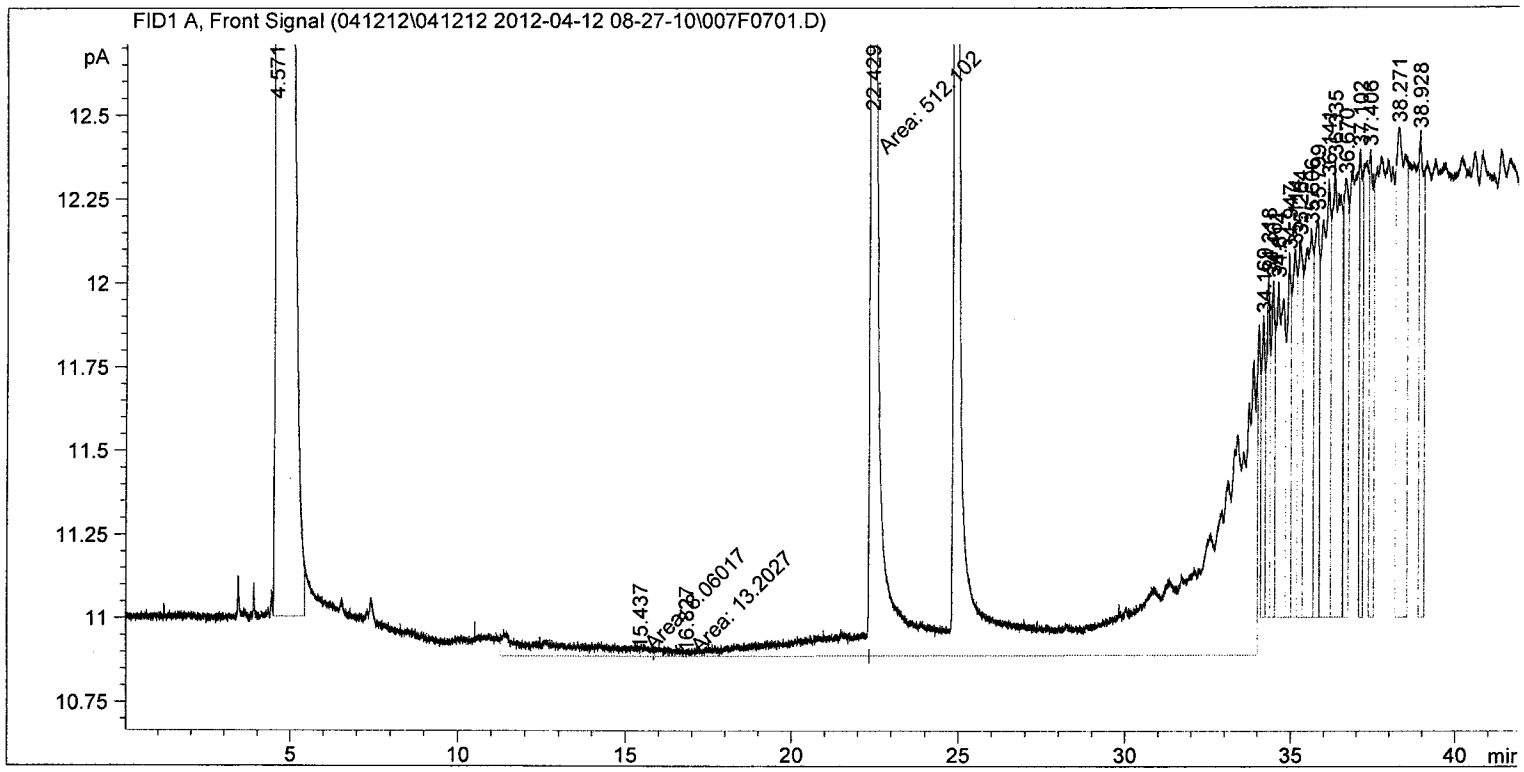
Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/12/2012 1:37:19 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes (No)
Analyst: LPW Date: 4-16-12
Reviewed By: [illegible] Date: 4.16.12

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.429	PM	0.2296	512.10223	17.14385	

Totals : 512.10223 17.1439
8.06017
13.2027

1 Warnings or Errors : 533.3651

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\007F0701.D
Sample Name: 1204091-01A

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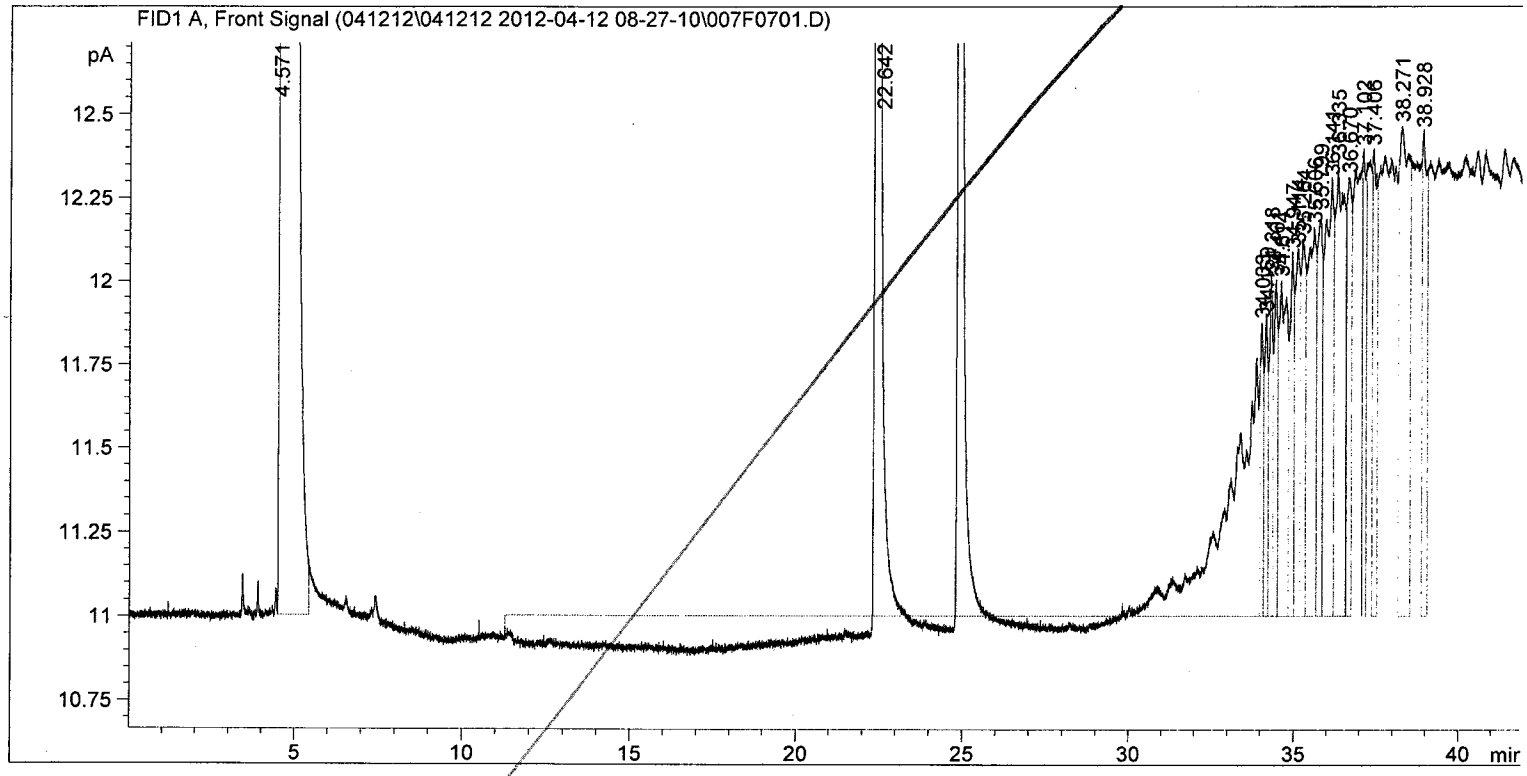
Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/12/2012 1:37:19 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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	22.642	HHA+	0.1691	375.78268	13.25653	

Totals : 375.78268 13.2565

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\007F0701.D
Sample Name: 1204091-01A

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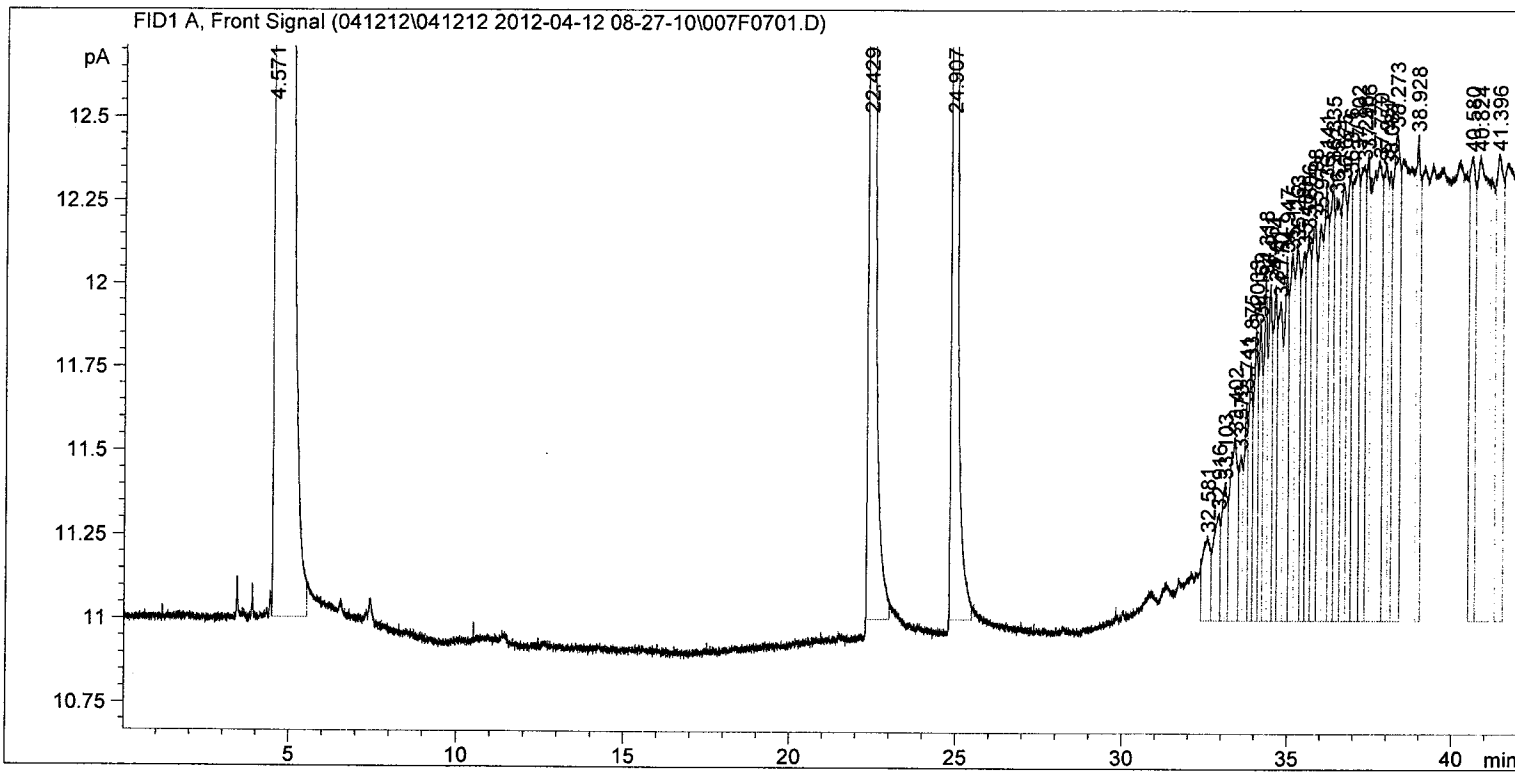
Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/12/2012 1:37:19 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_041112.M		
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
11.445			-	-	-		2-Methylpentane
22.429	HH	I	222.47948	2.23139e-1	49.64380		fluorobenzene
24.907	HH	+	168.21439	3.08071e-1	51.82199		@@@
34.033	HH		7.34769	5.03641e-1	3.70060		1,2,4-Trimethylbenzene

Totals : 105.16639

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106042

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-01 File ID: 005F0501.D

Sampled: 04/10/12 13:48 Prepared: 04/12/12 08:00 Analyzed: 04/12/12 12:02

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

QC Batch: 1204606 Sequence: 2D16024 Calibration: 2D16005 Instrument: 332

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
GRO	GRO - 8015 (C6-C10)	1	160	24	100	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	56.2	112	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\005F0501.D
Sample Name: 1204205-01

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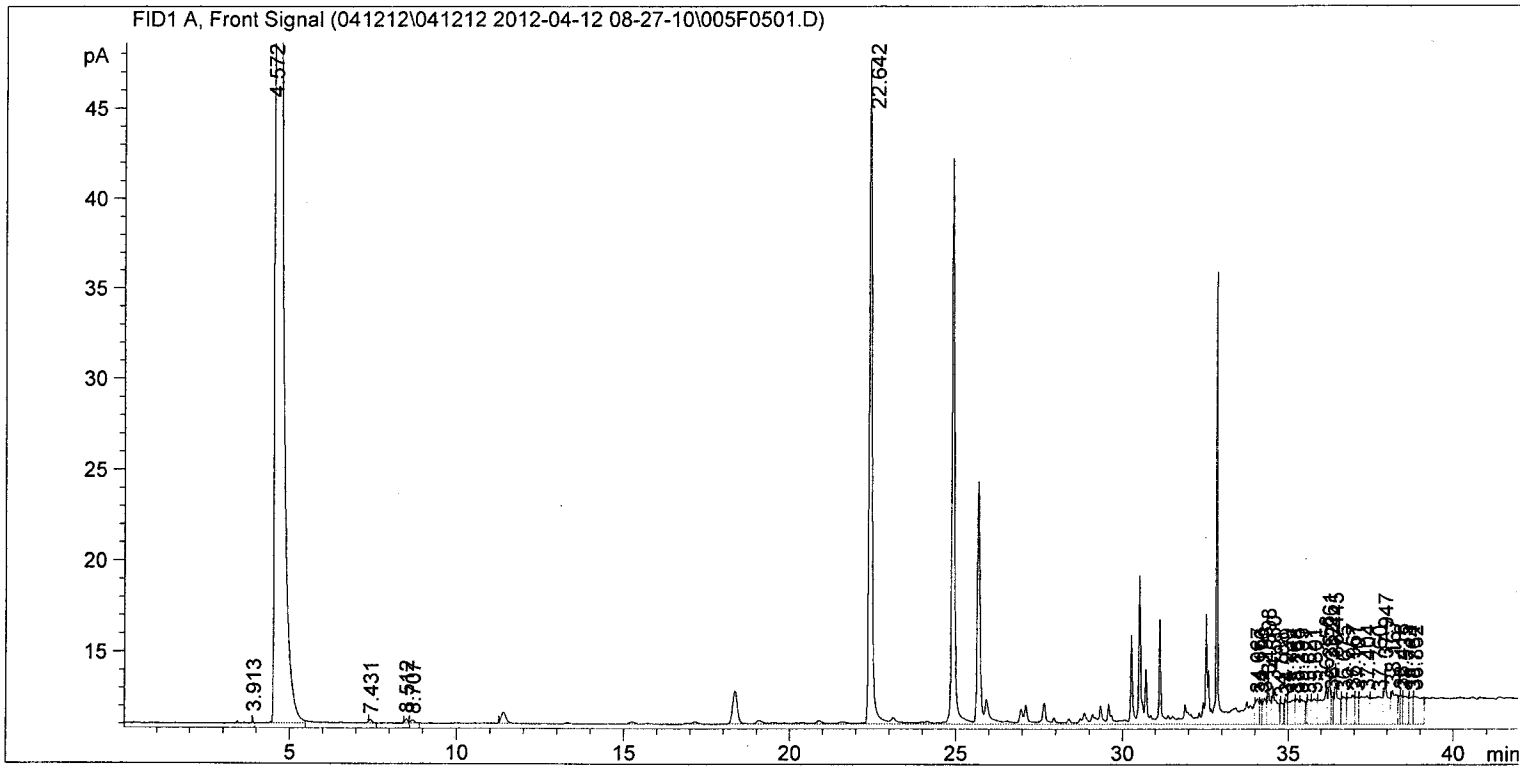
Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 4/12/2012 12:02:52 PM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\GRO_SUM041112.M		
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	22.642	HHA+	0.4098	900.05103	24.46120	
Totals :				900.05103	24.4612	

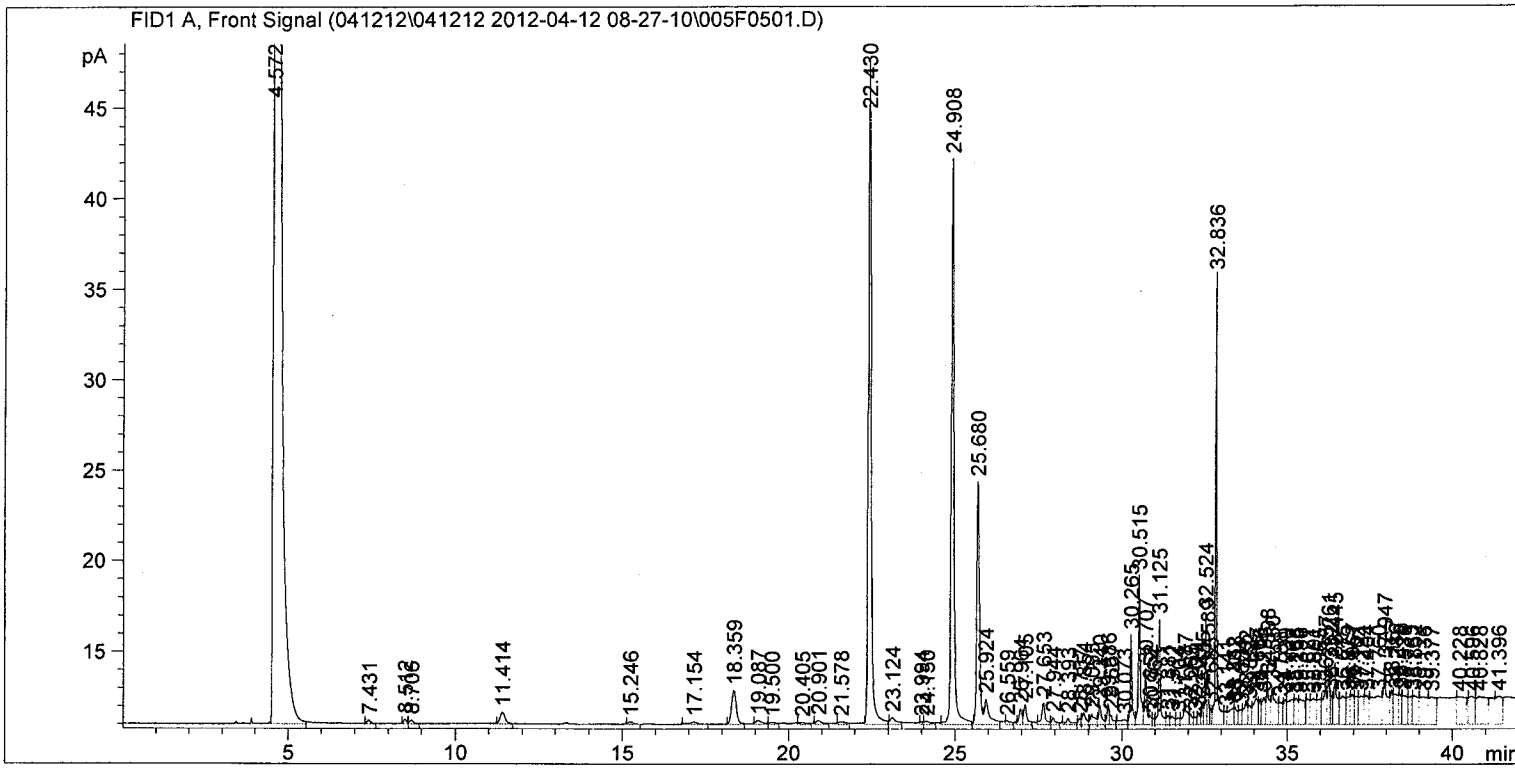
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\005F0501.D
Sample Name: 1204205-01

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 4/12/2012 12:02:52 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.414	HH		6.84001	4.83730e-1	3.30872		2-Methylpentane
22.430	HH	I	224.01631	2.23139e-1	49.98673		fluorobenzene
24.908	HH	+	182.53807	3.08071e-1	56.23470		@@@
33.852	HH		6.89468	5.03641e-1	3.47245		1,2,4-Trimethylbenzene

Totals : 113.00260

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106089

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204205-02 File ID: 006F0601.D

Sampled: 04/10/12 14:45 Prepared: 04/12/12 08:00 Analyzed: 04/12/12 12:50

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

QC Batch: 1204606 Sequence: 2D16024 Calibration: 2D16005 Instrument: 332

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

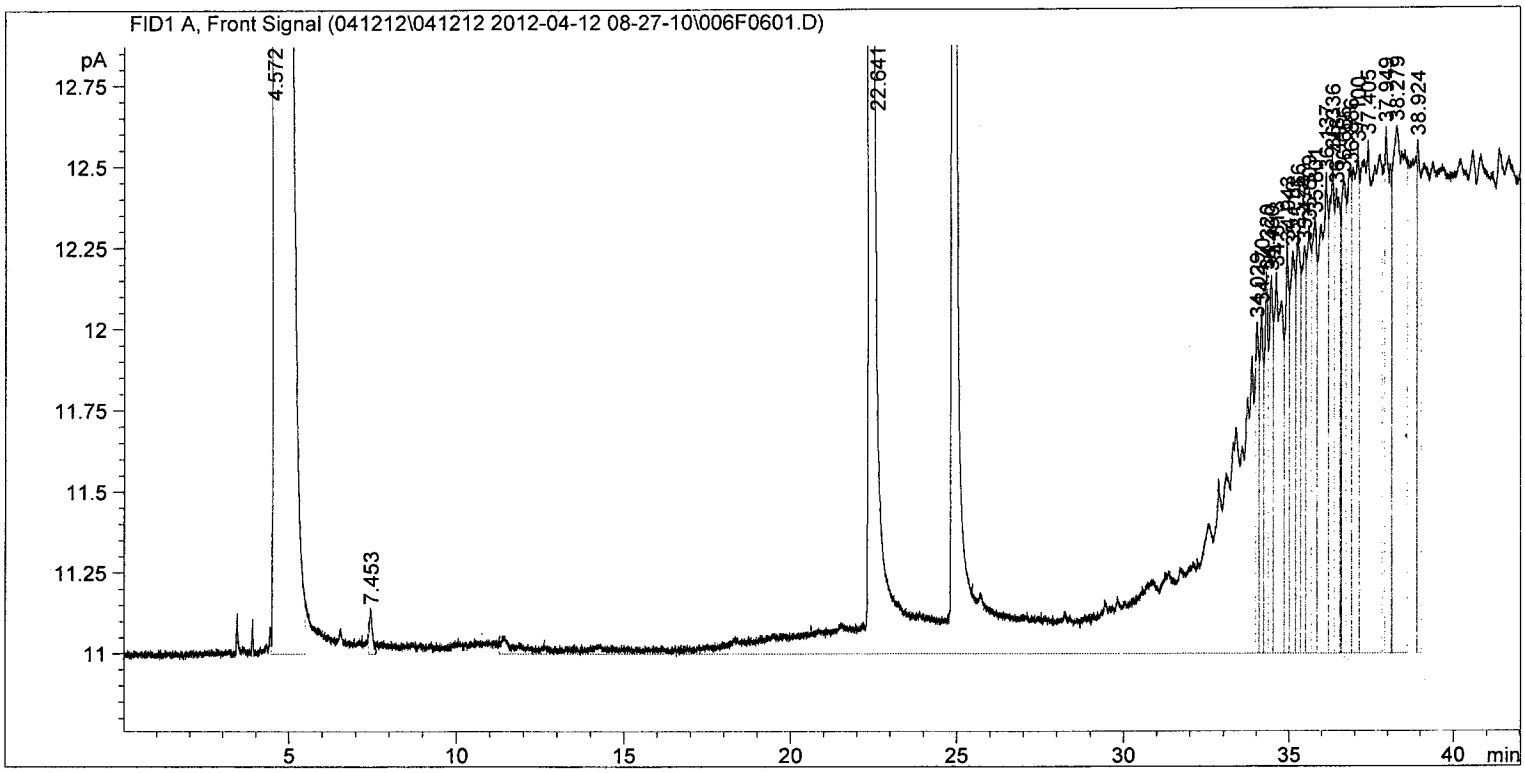
System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
aaa-Trifluorotoluene	50.0	51.4	103	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\006F0601.D
Sample Name: 1204205-02

==========

Acq. Operator : LEW
Seq. Line : 6
Acq. Instrument : 332
Location : Vial 6
Injection Date : 4/12/2012 12:50:06 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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+	0.2489	540.59381	15.02831	

Totals : 540.59381 15.0283

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\006F0601.D
Sample Name: 1204205-02

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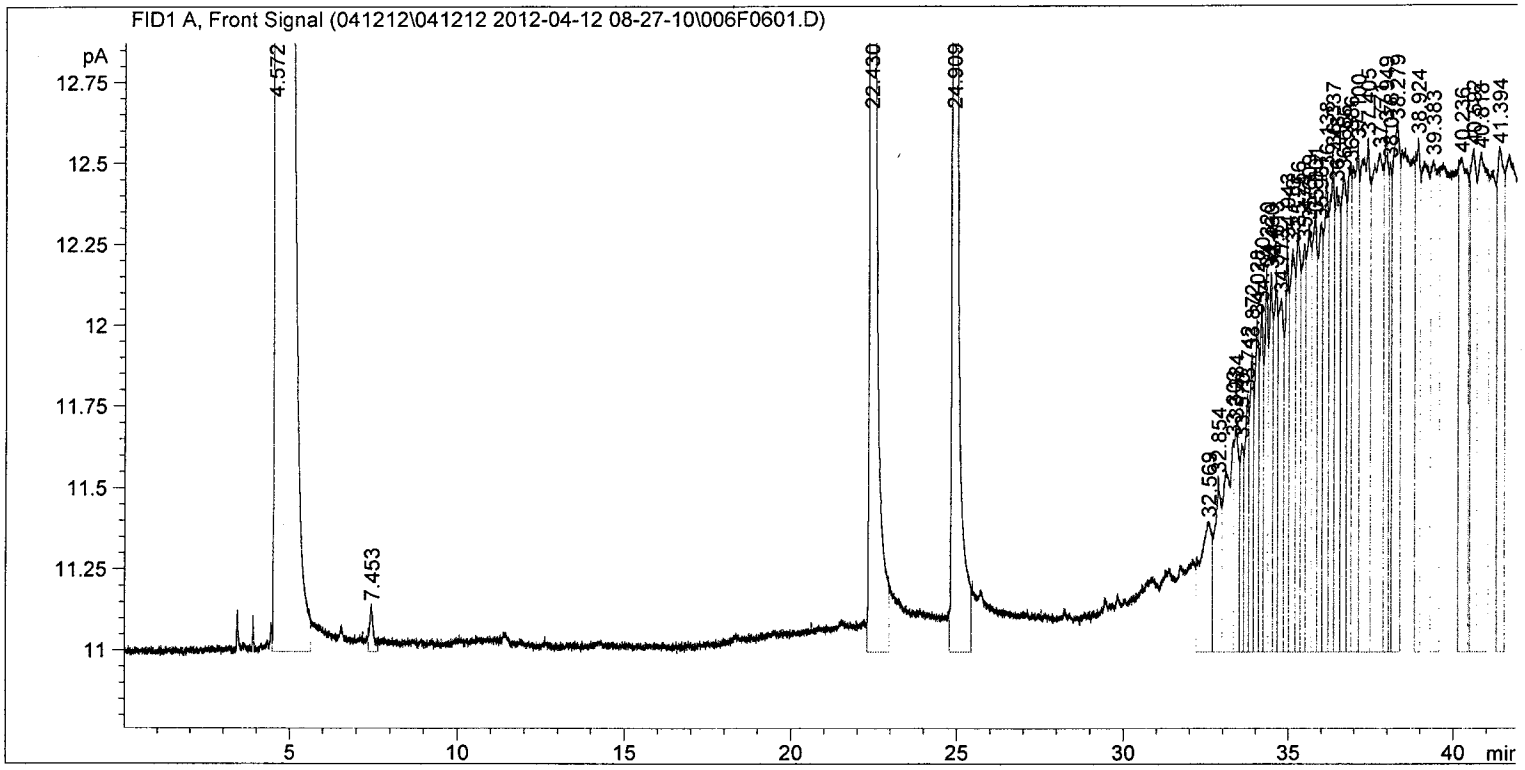
Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 4/12/2012 12:50:06 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.446			-	-	-		2-Methylpentane
22.430	HH	I	222.08060	2.23139e-1	49.55479		fluorobenzene
24.909	HH	+	166.77432	3.08071e-1	51.37835		@@@
34.028	HH		9.26461	5.03641e-1	4.66604		1,2,4-Trimethylbenzene

Totals : 105.59918

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106058

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204329-01 File ID: 005F0501.D

Sampled: 04/17/12 12:31 Prepared: 04/27/12 08:00 Analyzed: 04/27/12 11:05

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

QC Batch: 1205361 Sequence: 2D30020 Calibration: 2D30006 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	48.9	98	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\005F0501.D
Sample Name: 1204329-01

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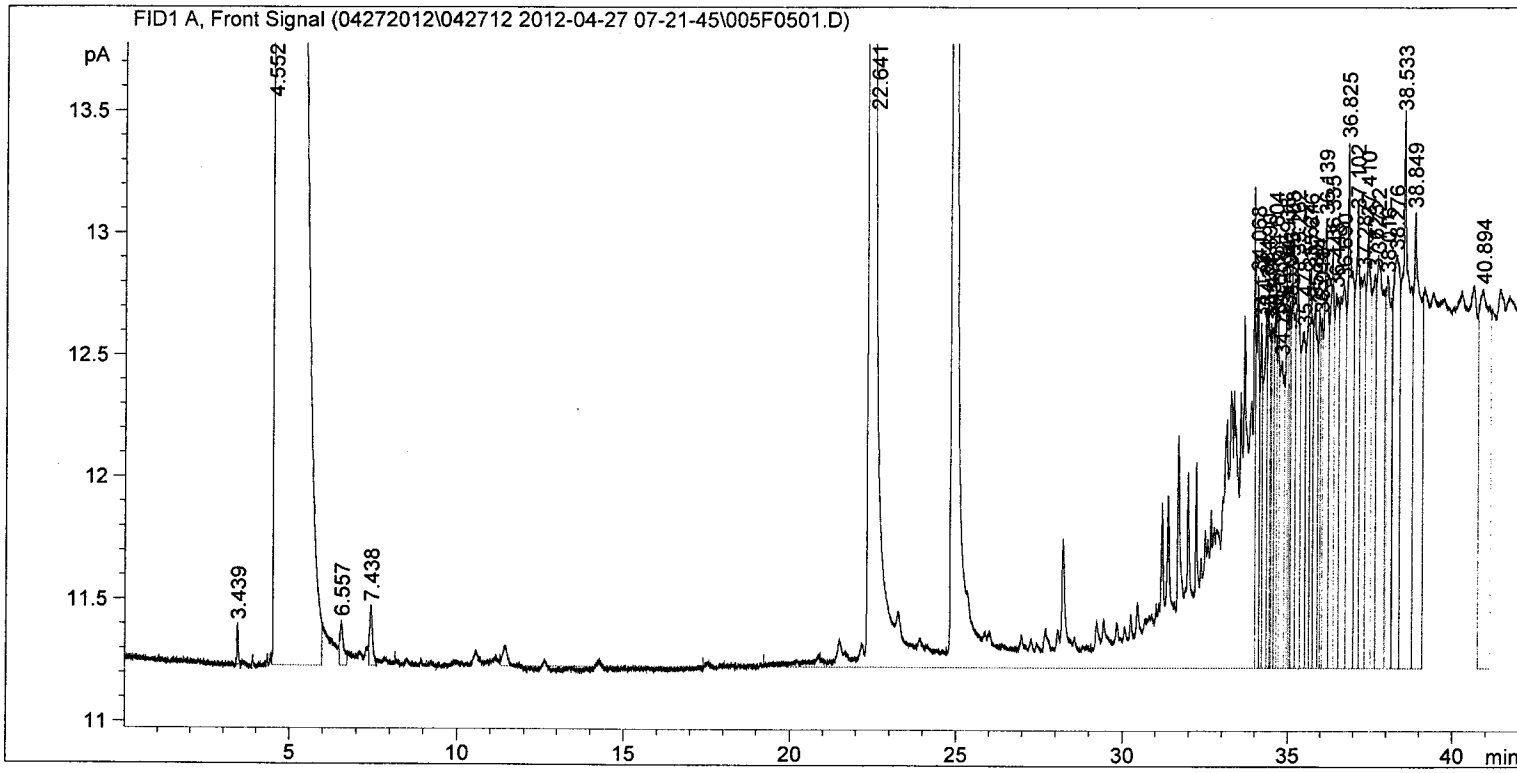
Acq. Operator	: LEW	Seq. Line :	5
Acq. Instrument	: 332	Location :	Vial 5
Injection Date	: 4/27/2012 11:05:51 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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 : 4/27/2012 10:40:31 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 : 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+	0.2009	874.45990	10.55543	
Totals :				874.45990	10.5554	

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\005F0501.D
Sample Name: 1204329-01

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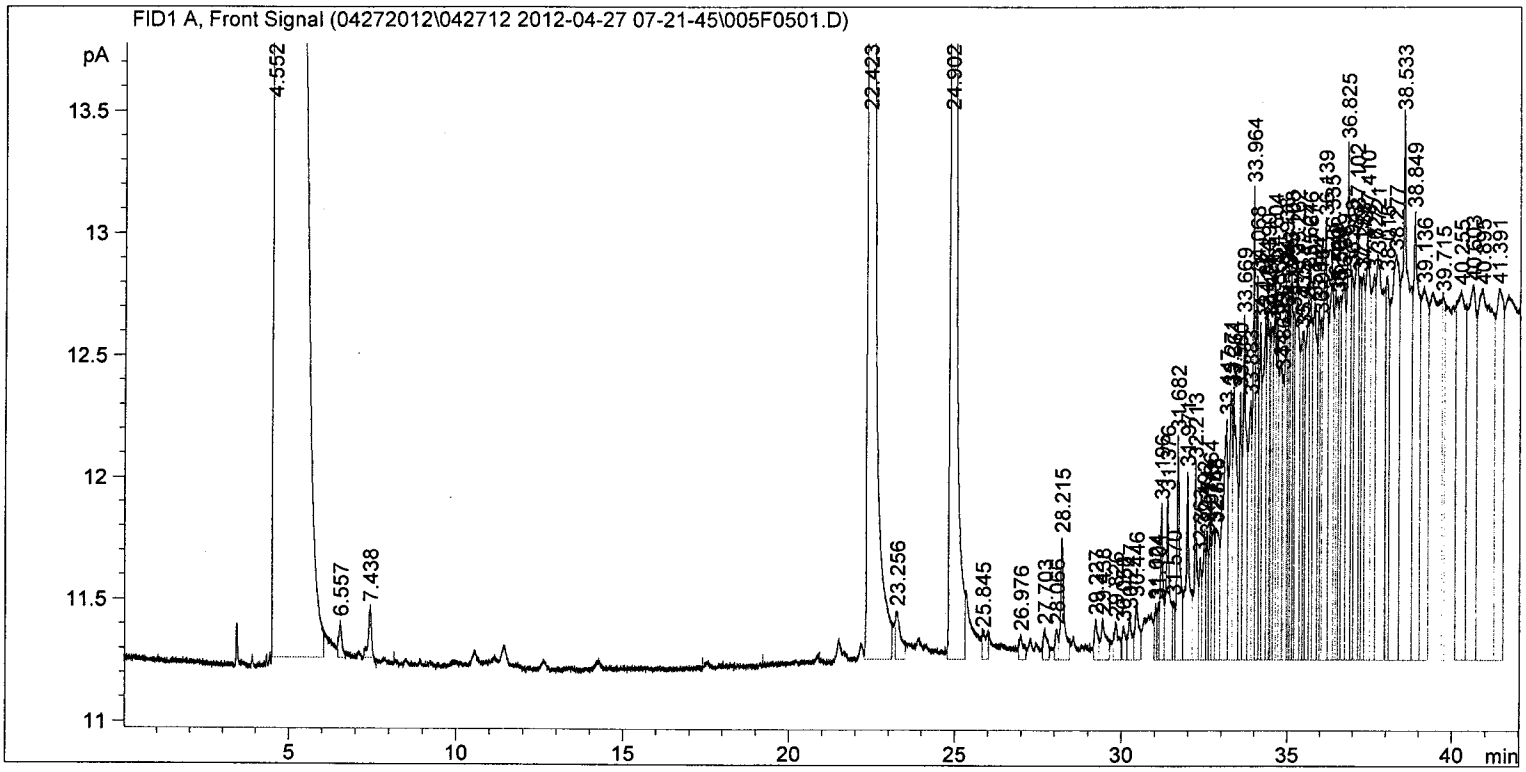
Acq. Operator : LEW
Seq. Line : 5
Acq. Instrument : 332
Location : Vial 5
Injection Date : 4/27/2012 11:05:51 AM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_042612.M
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
11.438			-	-	-		2-Methylpentane
22.423	HH	I	434.19839	1.14861e-1	49.87242		fluorobenzene
24.902	HH	+	269.63742	1.81469e-1	48.93085		@@@
33.964	HH		8.72881	3.02296e-1	2.63868		1,2,4-Trimethylbenzene

Totals : 101.44195

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106053

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-01 File ID: 006F0601.D

Sampled: 04/24/12 10:20 Prepared: 04/27/12 08:00 Analyzed: 04/27/12 11:52

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

QC Batch: 1205361 Sequence: 2D30020 Calibration: 2D30006 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	48.2	96	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\006F0601.D
Sample Name: 1204454-01

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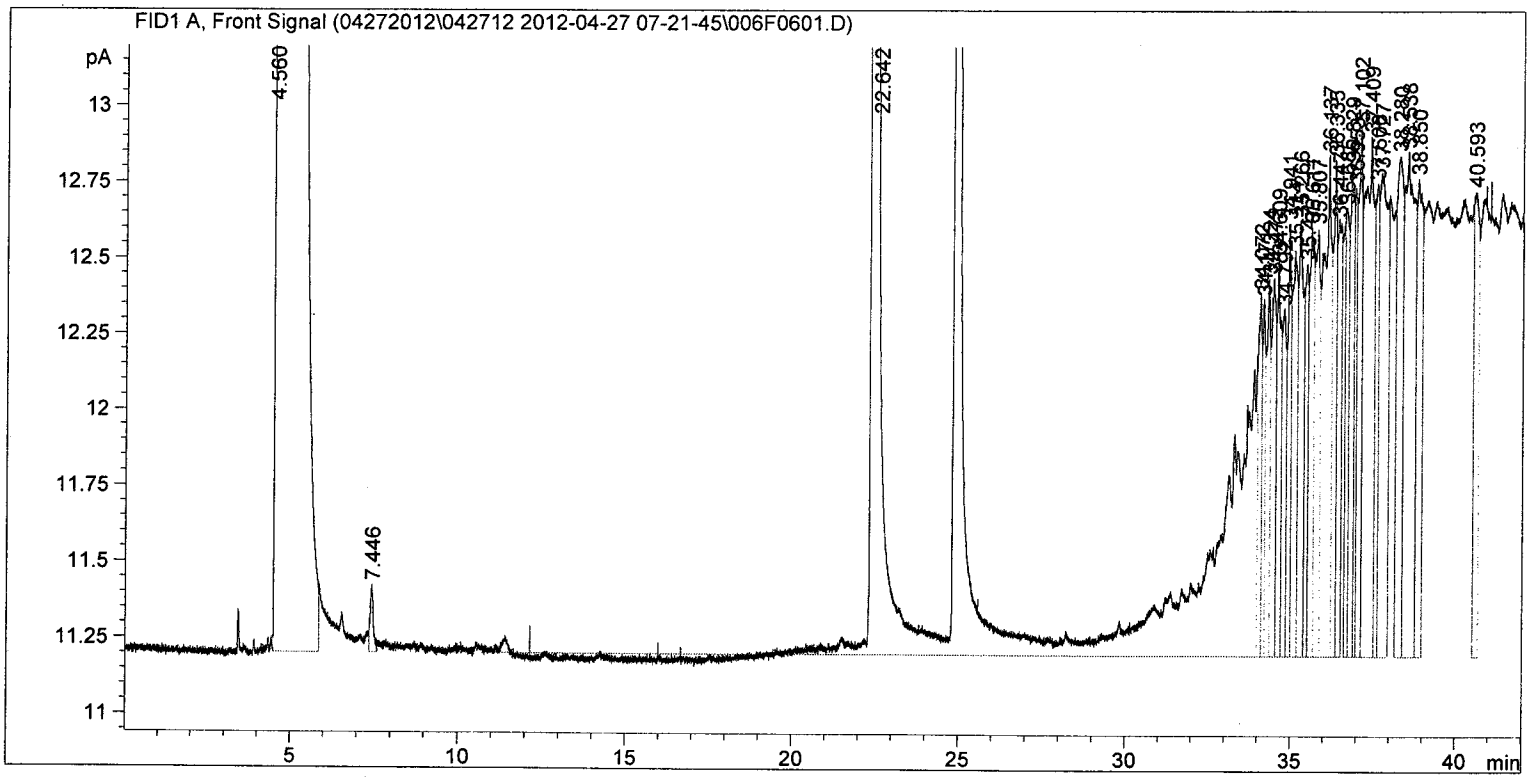
Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 4/27/2012 11:52:46 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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 : 4/27/2012 10:40:31 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 : 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

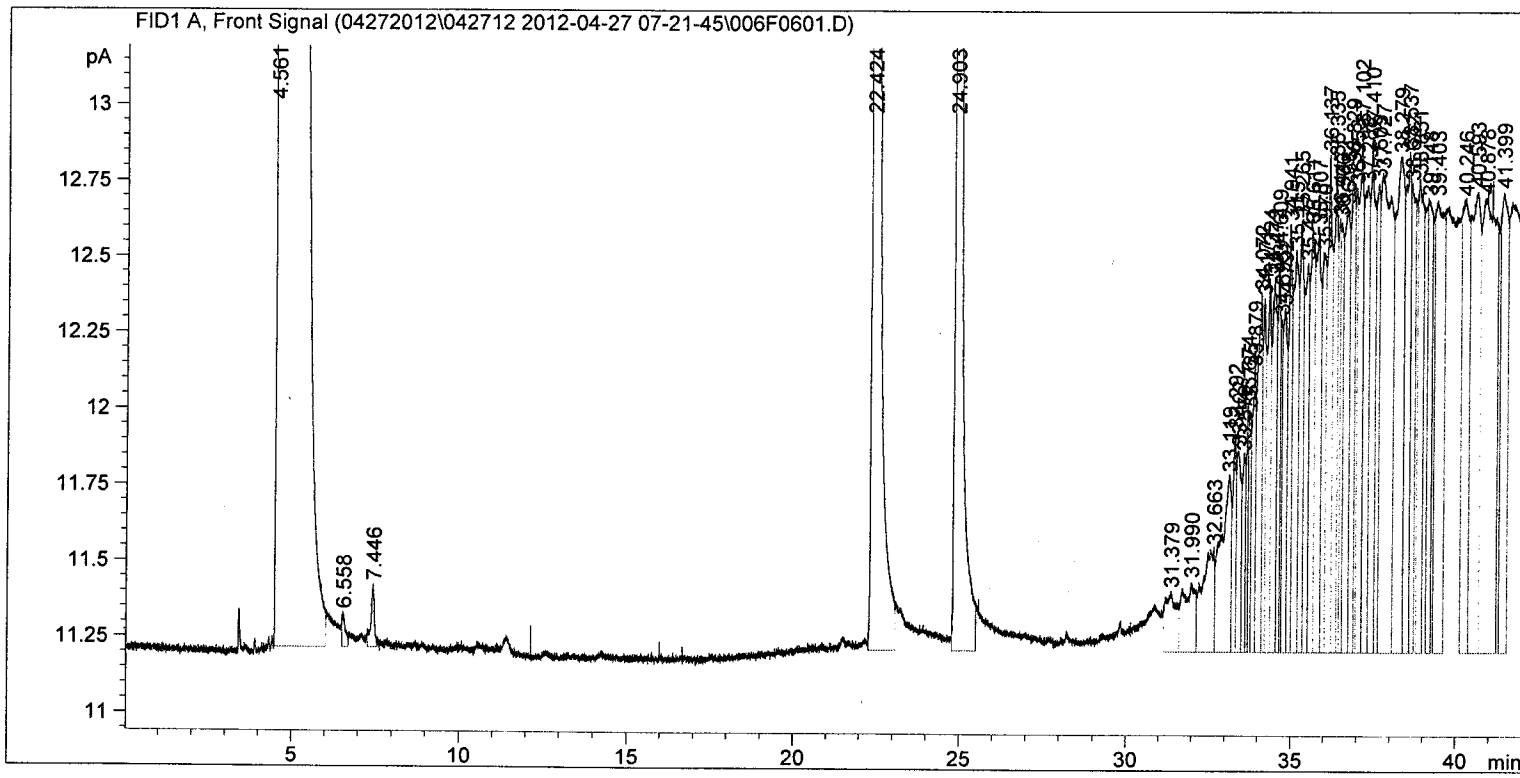
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.642	HHA+	0.1891	776.07147	10.75565	

Totals : 776.07147 10.7557

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\006F0601.D
Sample Name: 1204454-01

Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 4/27/2012 11:52:46 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.438		-	-	-		2-Methylpentane
22.424	HH I	409.82440	1.14861e-1	47.07280		fluorobenzene
24.903	HH +	265.74908	1.81469e-1	48.22524		@@@
33.879	HH	6.85066	3.02296e-1	2.07092		1,2,4-Trimethylbenzene

Totals : 97.36896

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106054

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1204454-02 File ID: 007F0701.D

Sampled: 04/24/12 13:30 Prepared: 04/27/12 08:00 Analyzed: 04/27/12 12:39

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

QC Batch: 1205361 Sequence: 2D30020 Calibration: 2D30006 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	49.9	100	71 - 134	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\007F0701.D
Sample Name: 1204454-02

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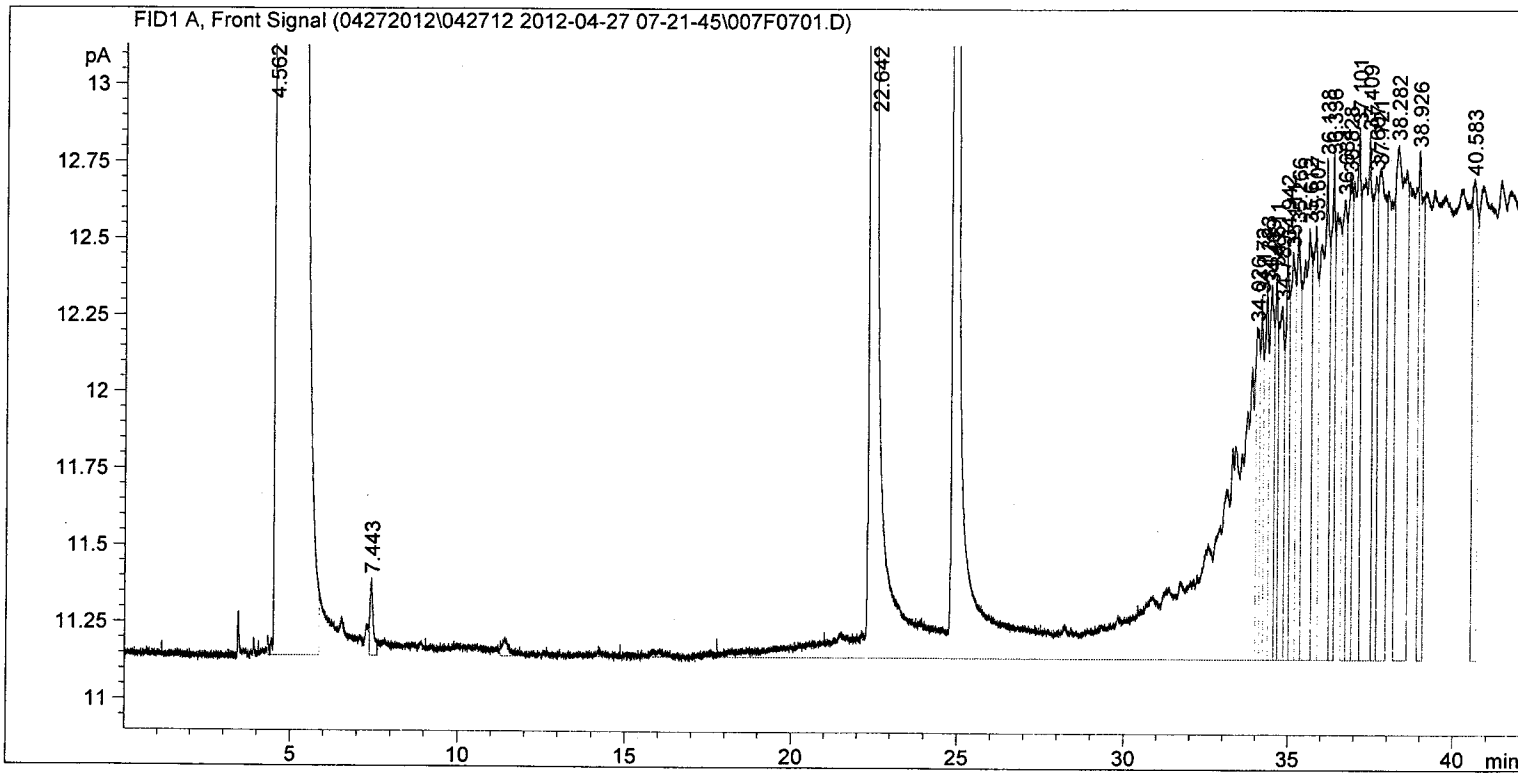
Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/27/2012 12:39:54 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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 : 4/27/2012 10:40:31 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 : 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+	0.1987	826.79907	11.42617	

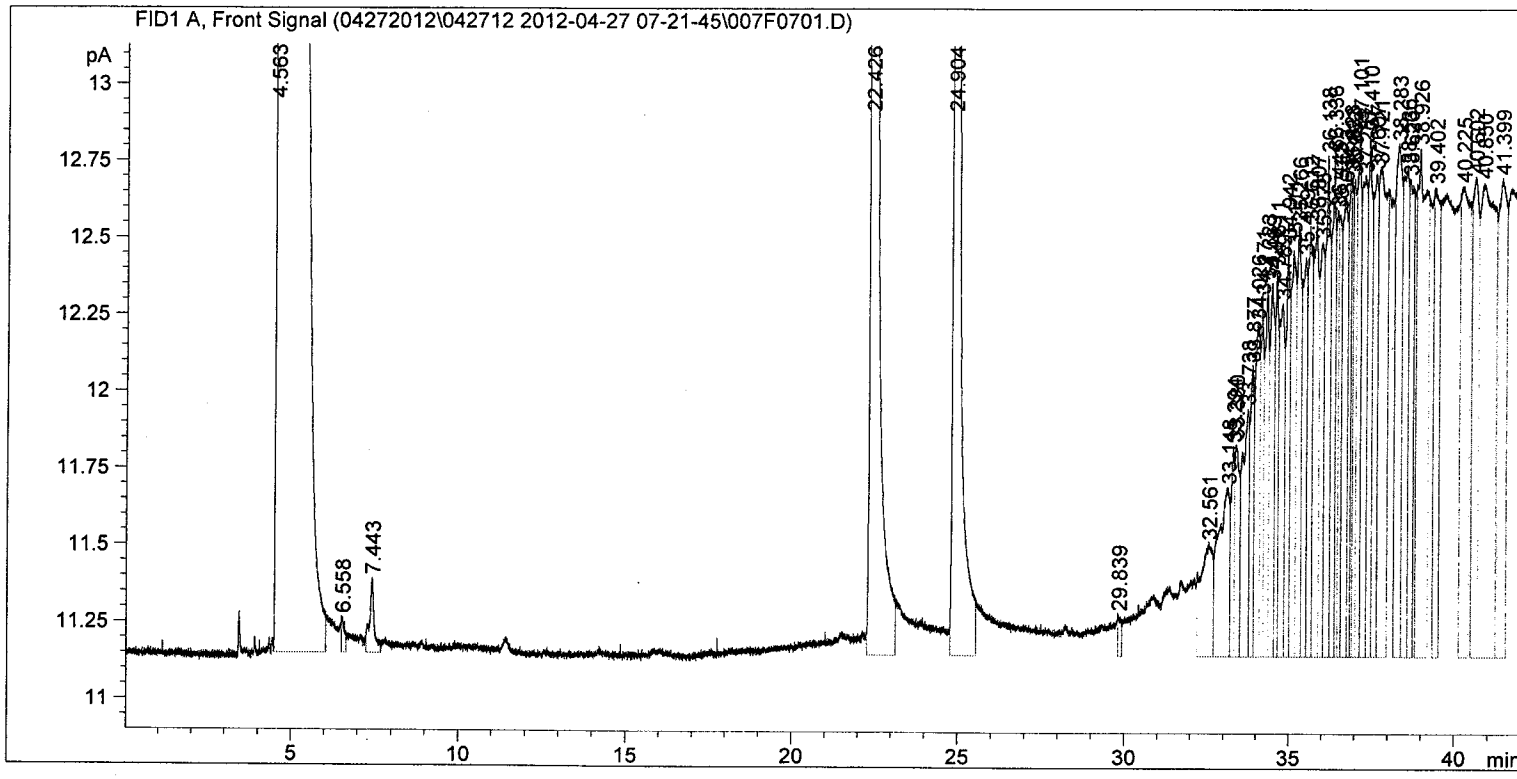
Totals : 826.79907 11.4262

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\007F0701.D
Sample Name: 1204454-02

==========

Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/27/2012 12:39:54 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.439			-	-	-		2-Methylpentane
22.426	HH	I	417.87097	1.14861e-1	47.99703		fluorobenzene
24.904	HH	+	274.93015	1.81469e-1	49.89132		@@@
34.026	HH		10.99302	3.02296e-1	3.32314		1,2,4-Trimethylbenzene

Totals : 101.21150

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Calibration: 2D16005

SDG: KNM040512
Project: KNM
Calibration Date: 04/11/12 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
USEPA-8015B GRO Scan	100		200		400		600		800		1000	
GRO - 8015 (C6-C10)	100	3.0324	200	3.1585	400	2.594025	600	2.5889	800	2.556313	1000	2.49238
aaa-Trifluorotoluene	50	2.43435	50	3.306786	50	3.45985	50	3.234332	50	3.494036	50	3.54667

INITIAL CALIBRATION DATA (Continued)

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D16005

SDG: KNM040512

Project: KNM

Calibration Date: 04/11/12 00:00

Instrument: 332

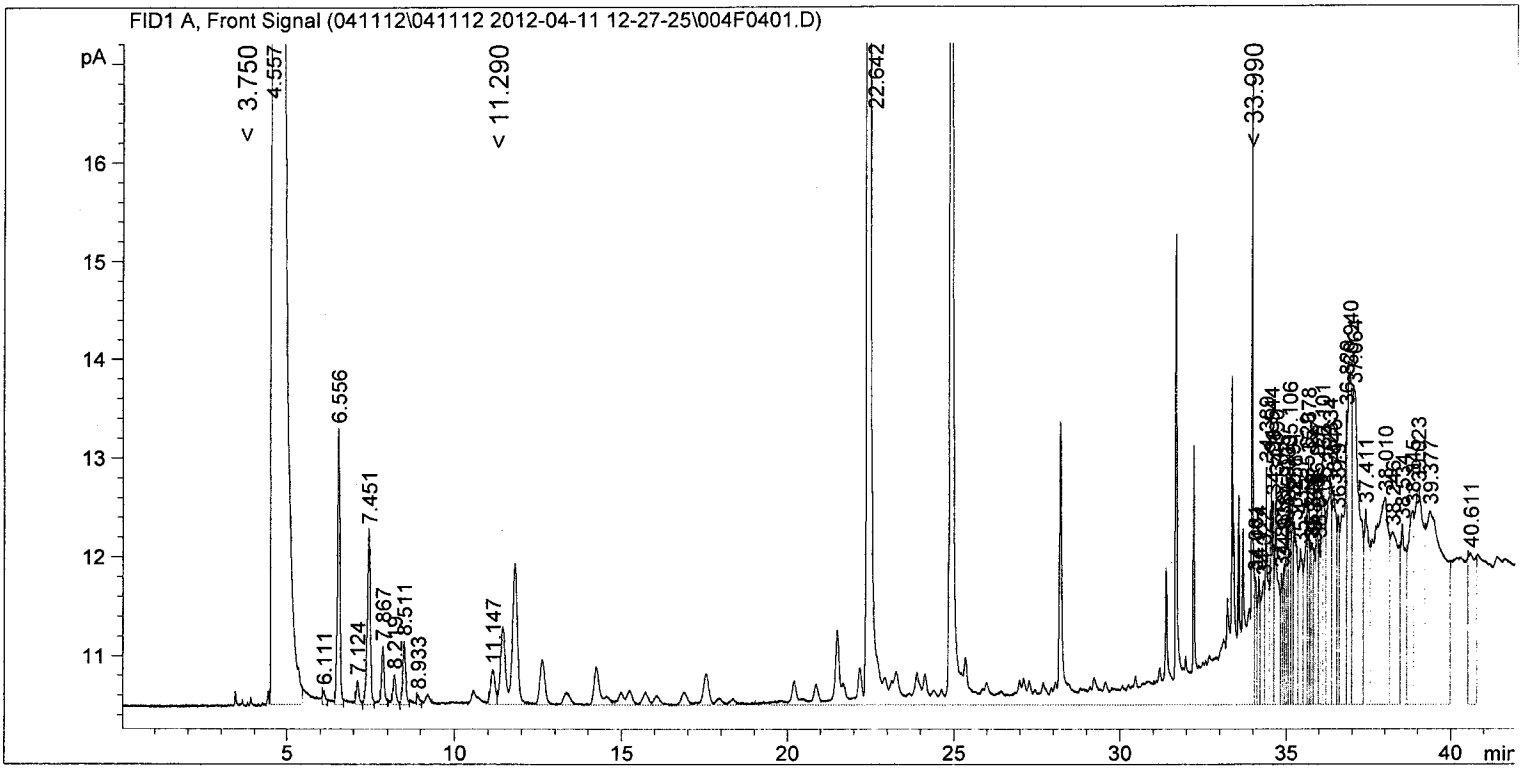
Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
USEPA-8015B GRO Scan							20	
GRO - 8015 (C6-C10)	2.737086	10.33095	22.60667	0.3807255	0.99852		0.99	
aaa-Trifluorotoluene	3.246004	12.77855	24.909	1.537595E-02			20	

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\004F0401.D
Sample Name: ~~CCV0411~~ 1000411

==========

Acq. Operator : LEW
Seq. Line : 4
Acq. Instrument : 332
Location : Vial 4
Injection Date : 4/11/2012 3:44:59 PM
Inj : 1
Inj Volume : Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 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, March 29, 2012 7:11:52 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+	0.3396	609.21265	14.14249	

Totals : 609.21265 14.1425

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\004F0401.D
Sample Name: ~~CCV0411~~ 100p0411

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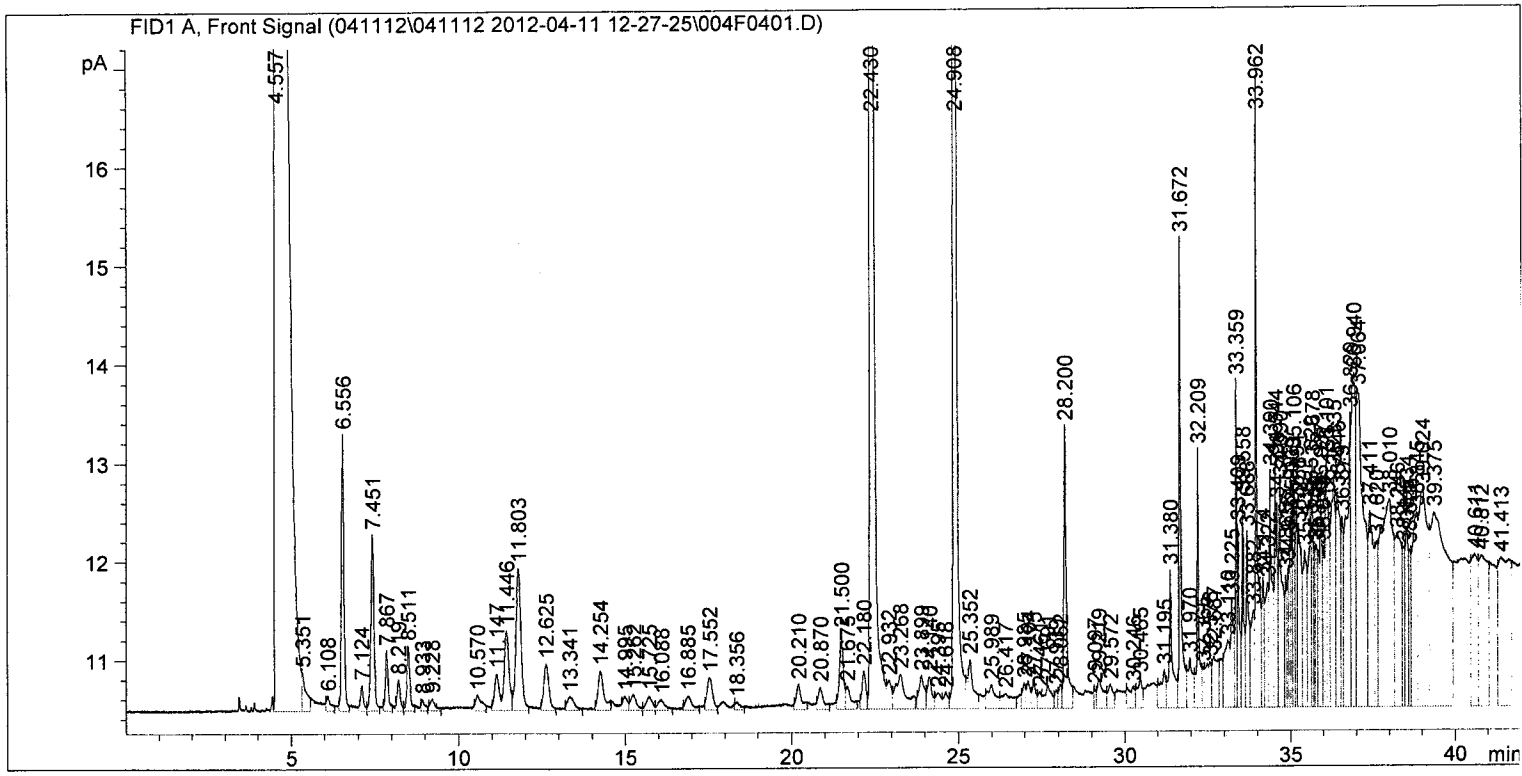
Acq. Operator	: LEW	Seq. Line	: 4
Acq. Instrument	: 332	Location	: Vial 4
Injection Date	: 4/11/2012 3:44:59 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_032812.M
Last changed : 3/28/2012 3:42:56 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 : Wednesday, March 28, 2012 3:42:32 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		8.14118	3.19224e-1	2.59886		2-Methylpentane
22.430	HH	I	184.25537	1.52315e-1	28.06490		fluorobenzene
24.908	HH	+	121.71751	1.86588e-1	22.71106		@@@
33.962	HH		25.06647	4.35709e-1	10.92169		1,2,4-Trimethylbenzene

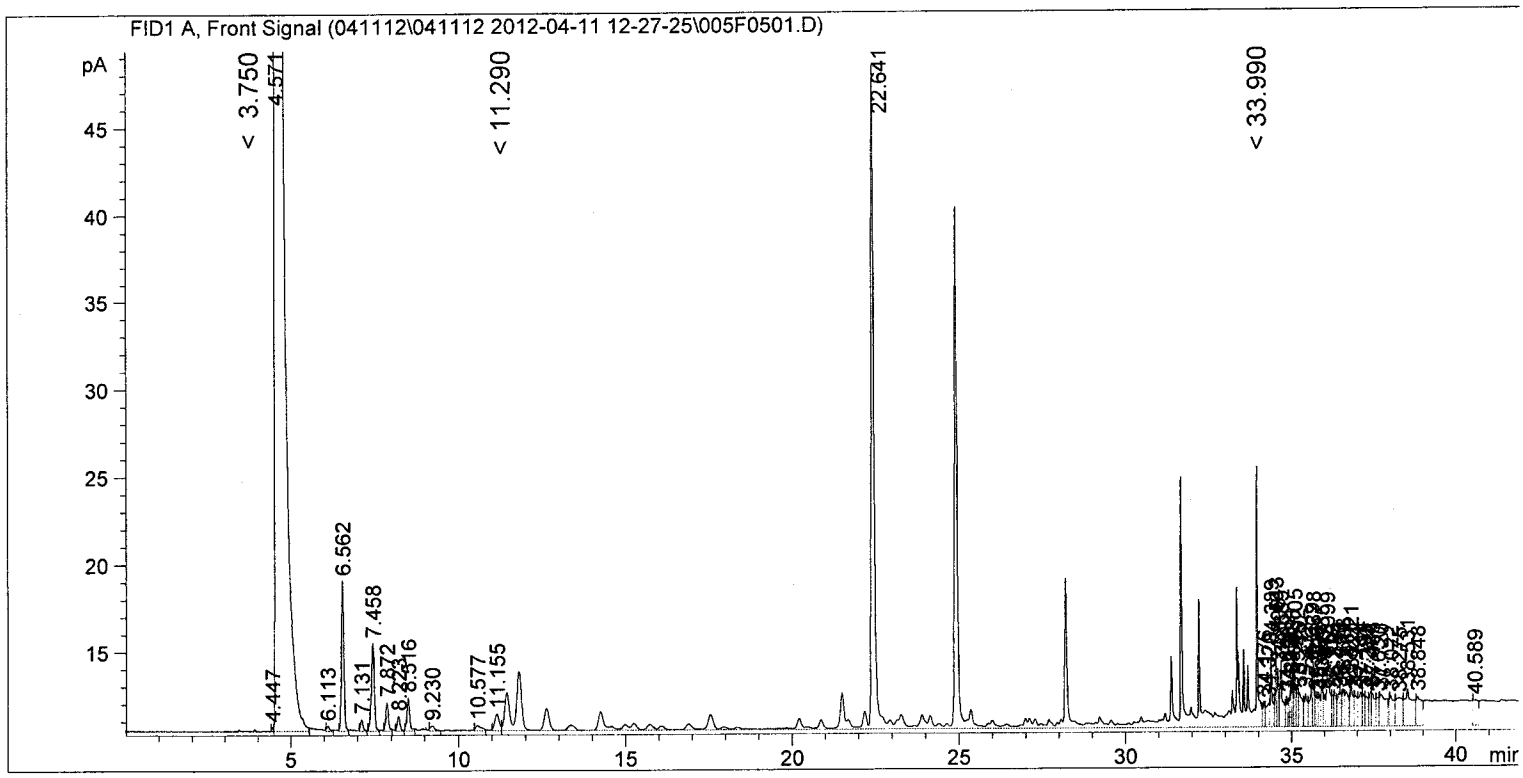
Totals : 64.29651

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\005F0501.D
Sample Name: 200P04AA

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 4/11/2012 4:32:12 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 AM by LEW
(Current integration events modified)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



==========

Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : Thursday, March 29, 2012 7:11:52 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+	0.4523	1030.02185	17.12982	

Totals : 1030.02185 17.1298

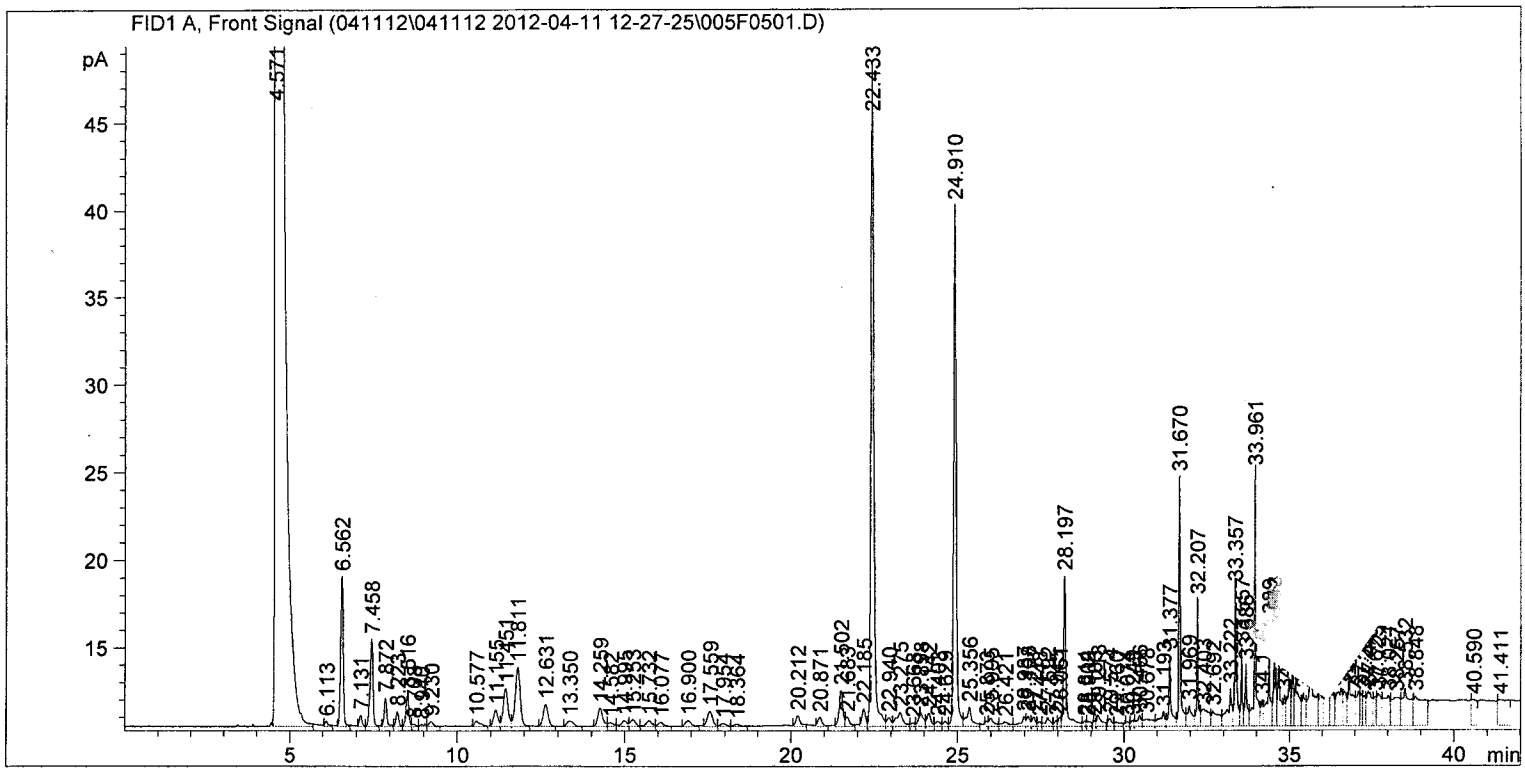
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\005F0501.D
Sample Name: 200P04AA

==========

Acq. Operator	: LEW	Seq. Line	: 5
Acq. Instrument	: 332	Location	: Vial 5
Injection Date	: 4/11/2012 4:32:12 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_032812.M
Last changed : 4/12/2012 7:25:14 AM 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 12, 2012 7:25:14 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
11.451	HH		21.59342	3.19224e-1	6.89314		2-Methylpentane
22.433	HH	I	232.97928	1.64040e-1	38.21783		fluorobenzene
24.910	HH	+	165.33931	2.04120e-1	33.74908		@@@
33.961	HH		49.82697	4.40302e-1	21.93889		1,2,4-Trimethylbenzene

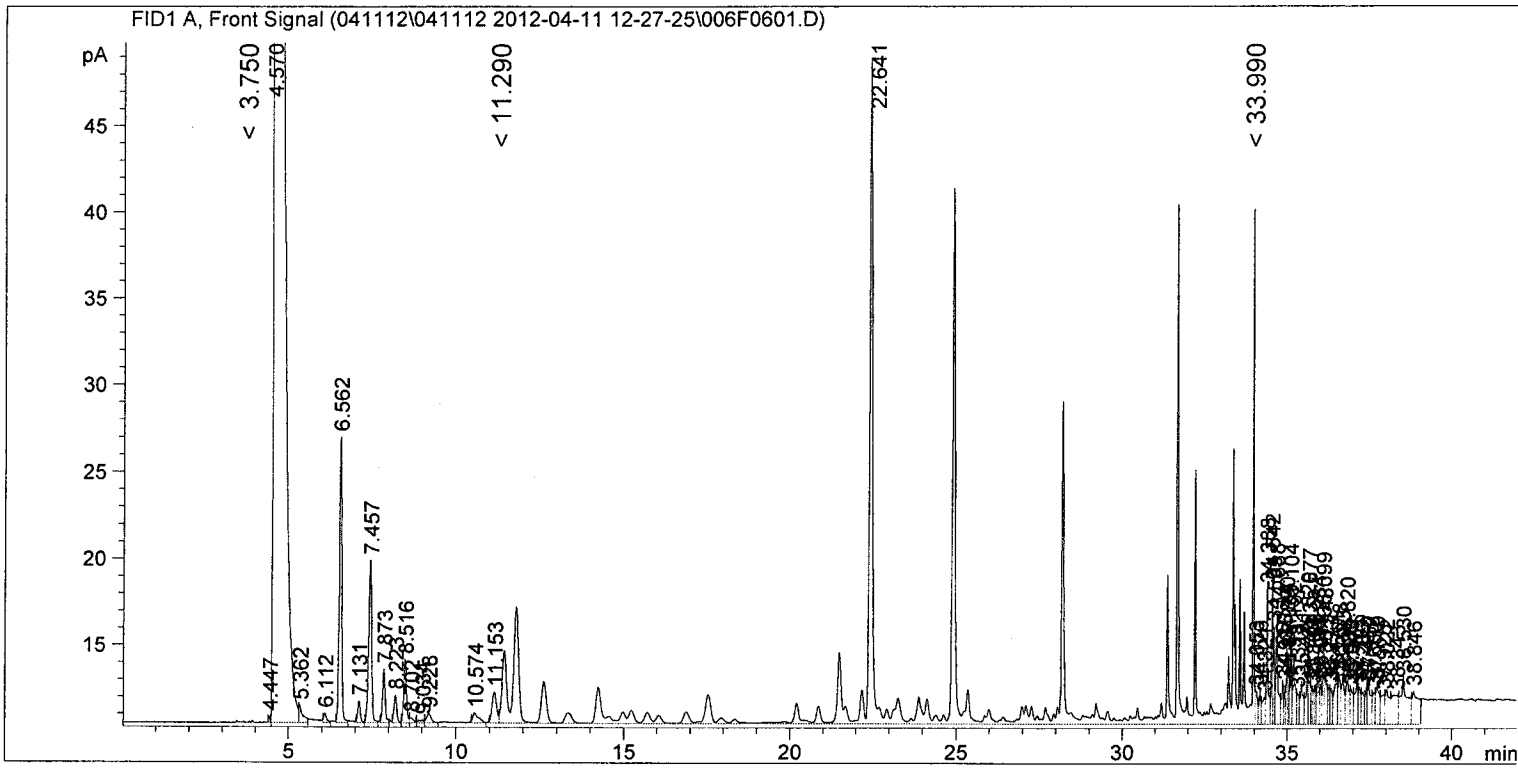
Totals : 100.79895

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\006F0601.D
Sample Name: 400P0411

==========

Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 4/11/2012 5:19:12 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 AM 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 : Thursday, March 29, 2012 7:11:52 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+	0.6275	1442.94727	17.16494	

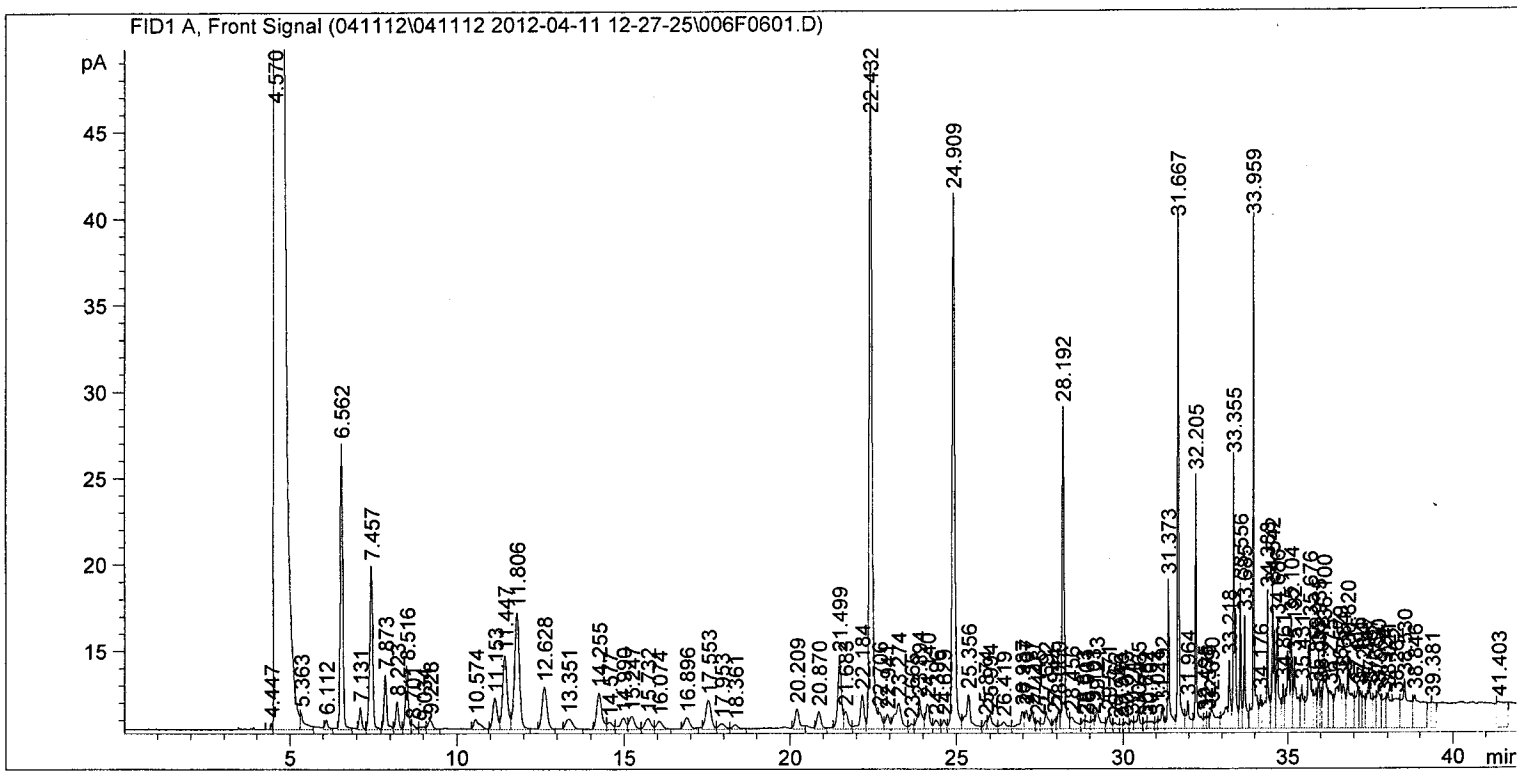
Totals : 1442.94727 17.1649

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\006F0601.D
Sample Name: 400P0411

==========

Acq. Operator	: LEW	Seq. Line :	6
Acq. Instrument	: 332	Location :	Vial 6
Injection Date	: 4/11/2012 5:19:12 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_032812.M		
Last changed	: 4/12/2012 7:25:24 AM 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 12, 2012 7:25:24 AM
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

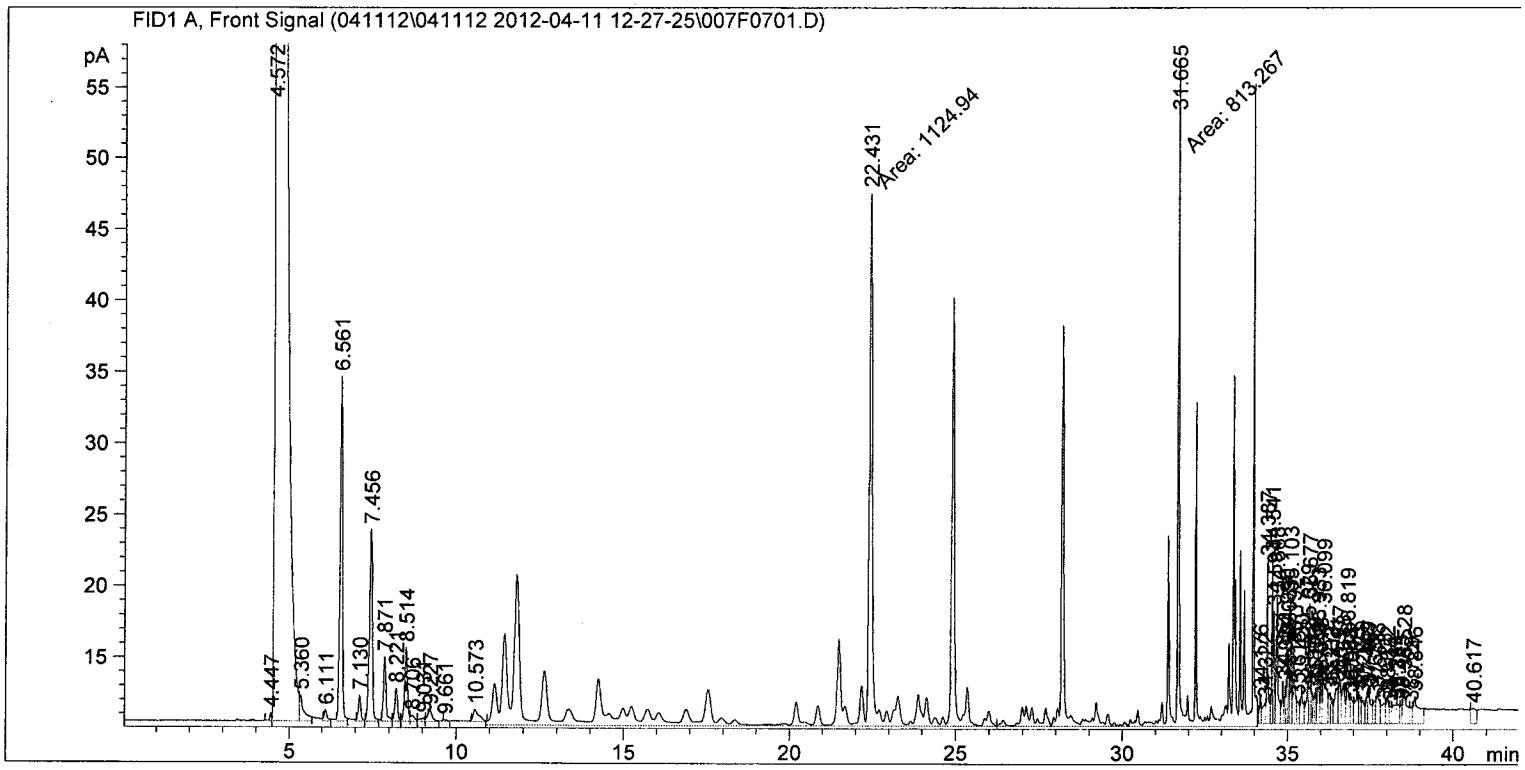
RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.447	HH		41.62500	3.19224e-1	13.28770		2-Methylpentane
22.432	HH	I	232.34007	1.73144e-1	40.22822		fluorobenzene
24.909	HH	+	172.99252	2.18659e-1	37.82641		@@@
33.959	HH		79.20721	4.42181e-1	35.02395		1,2,4-Trimethylbenzene

Totals : 126.36628

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\007F0701.D
Sample Name: 600P0411

==========

Acq. Operator : LEW
Seq. Line : 7
Acq. Instrument : 332
Location : Vial 7
Injection Date : 4/11/2012 6:06:19 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 4/12/2012 7:48:08 AM by LEW
(modified after loading)
Method Info : NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : Thursday, March 29, 2012 7:[illegible] 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: 4-16-12
Reviewed By: [illegible] Date: 4-16-12

Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.431	MM	0.5018	1124.93860	9.40966	

Totals : 1124.93860 9.4097
813.267
1,938.2056

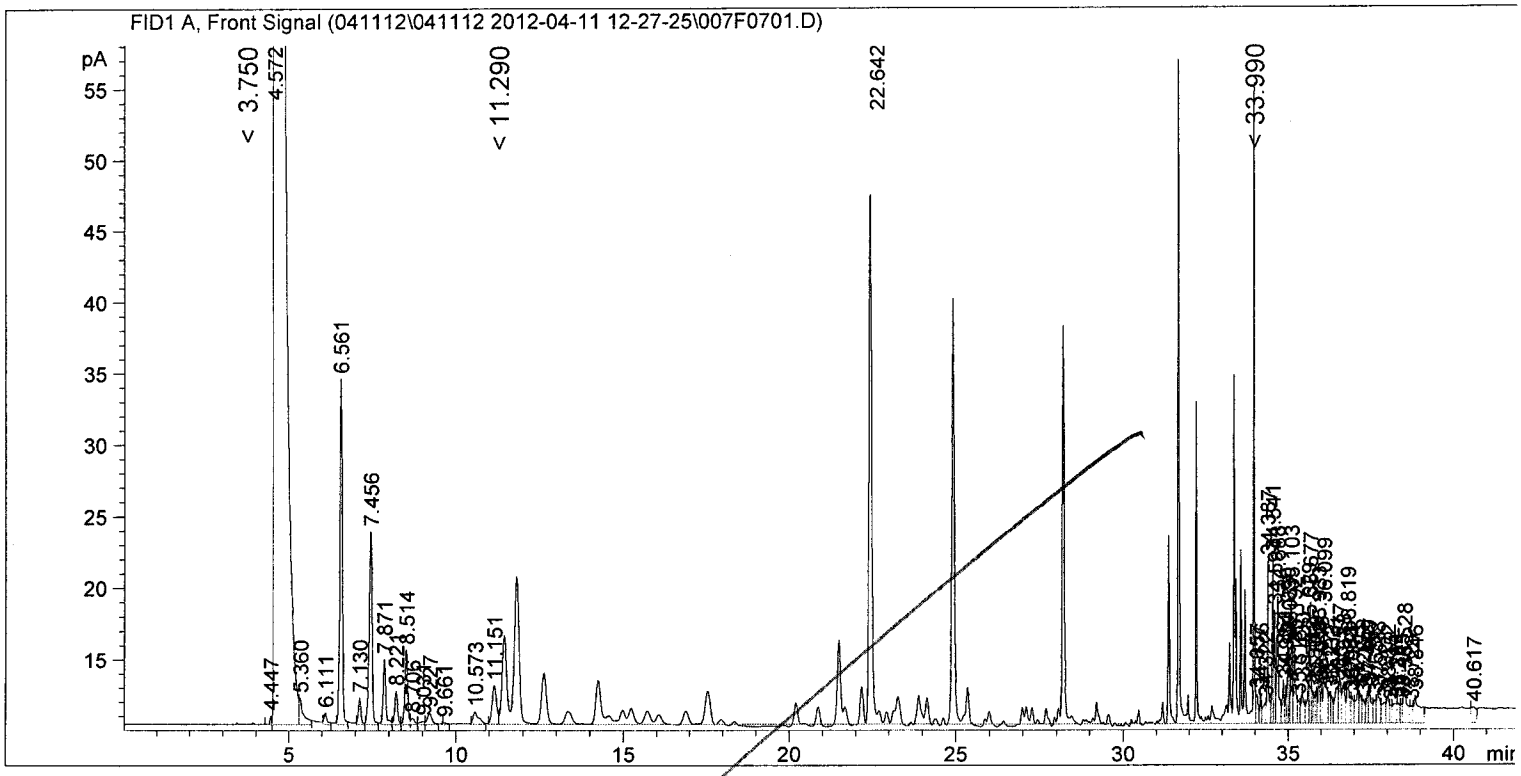
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\007F0701.D
Sample Name: 600P0411

==========

Acq. Operator	: LEW	Seq. Line :	7
Acq. Instrument	: 332	Location :	Vial 7
Injection Date	: 4/11/2012 6:06:19 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 AM 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 : Thursday, March 29, 2012 7:11:52 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+	0.5664	1579.08350	13.57699	

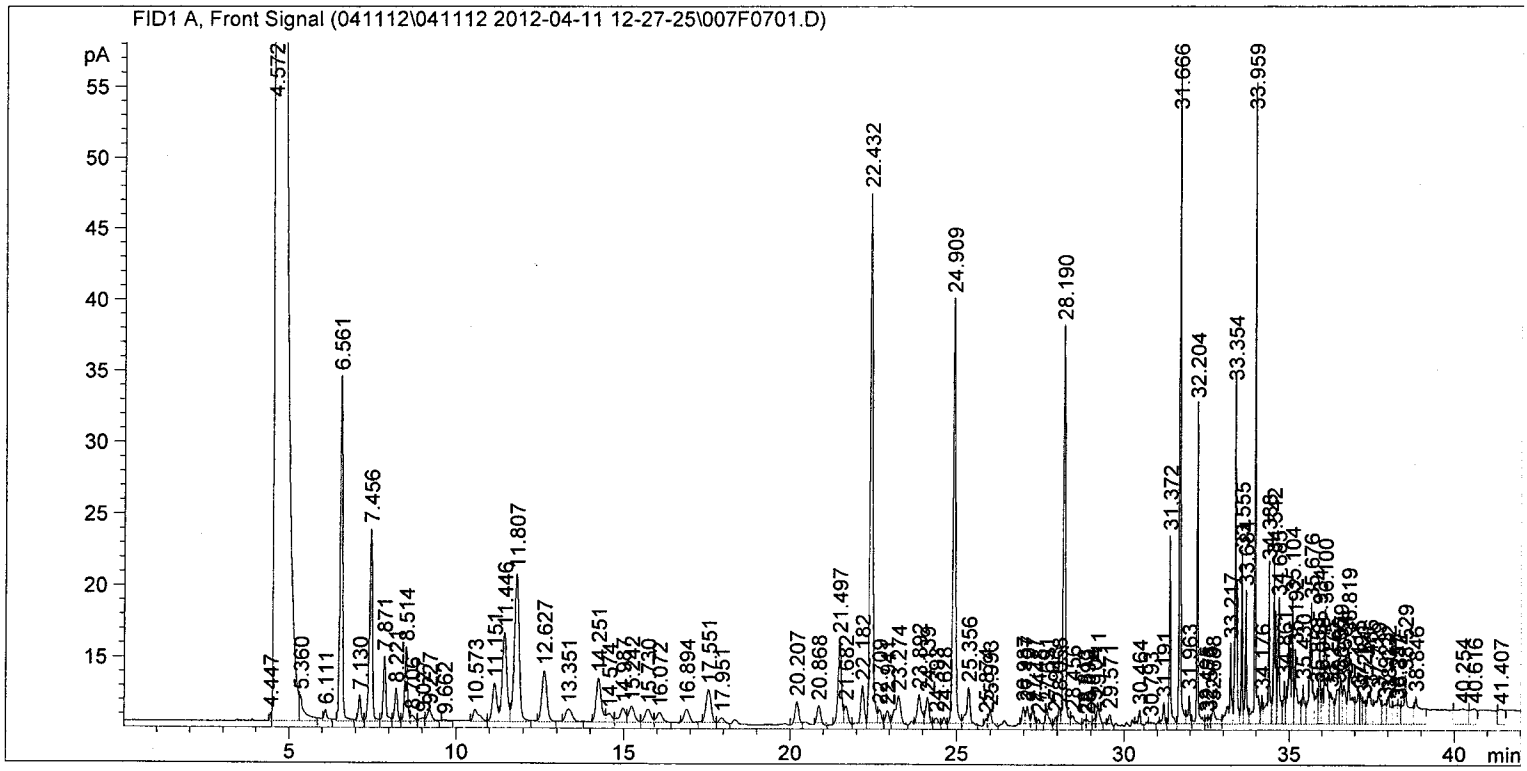
Totals : 1579.08350 13.5770

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\007F0701.D
Sample Name: 600P0411

==========

Acq. Operator : LEW
Seq. Line : 7
Acq. Instrument : 332
Location : Vial 7
Injection Date : 4/11/2012 6:06:19 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_032812.M
Last changed : 4/12/2012 7:25:49 AM 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 12, 2012 7:25:49 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		61.52986	3.19224e-1	19.64181		2-Methylpentane
22.432	HH	I	223.14496	1.83069e-1	40.85089		fluorobenzene
24.909	HH	+	161.71658	2.35004e-1	38.00403		@@@
33.959	HH		107.67444	4.56118e-1	49.11224		1,2,4-Trimethylbenzene

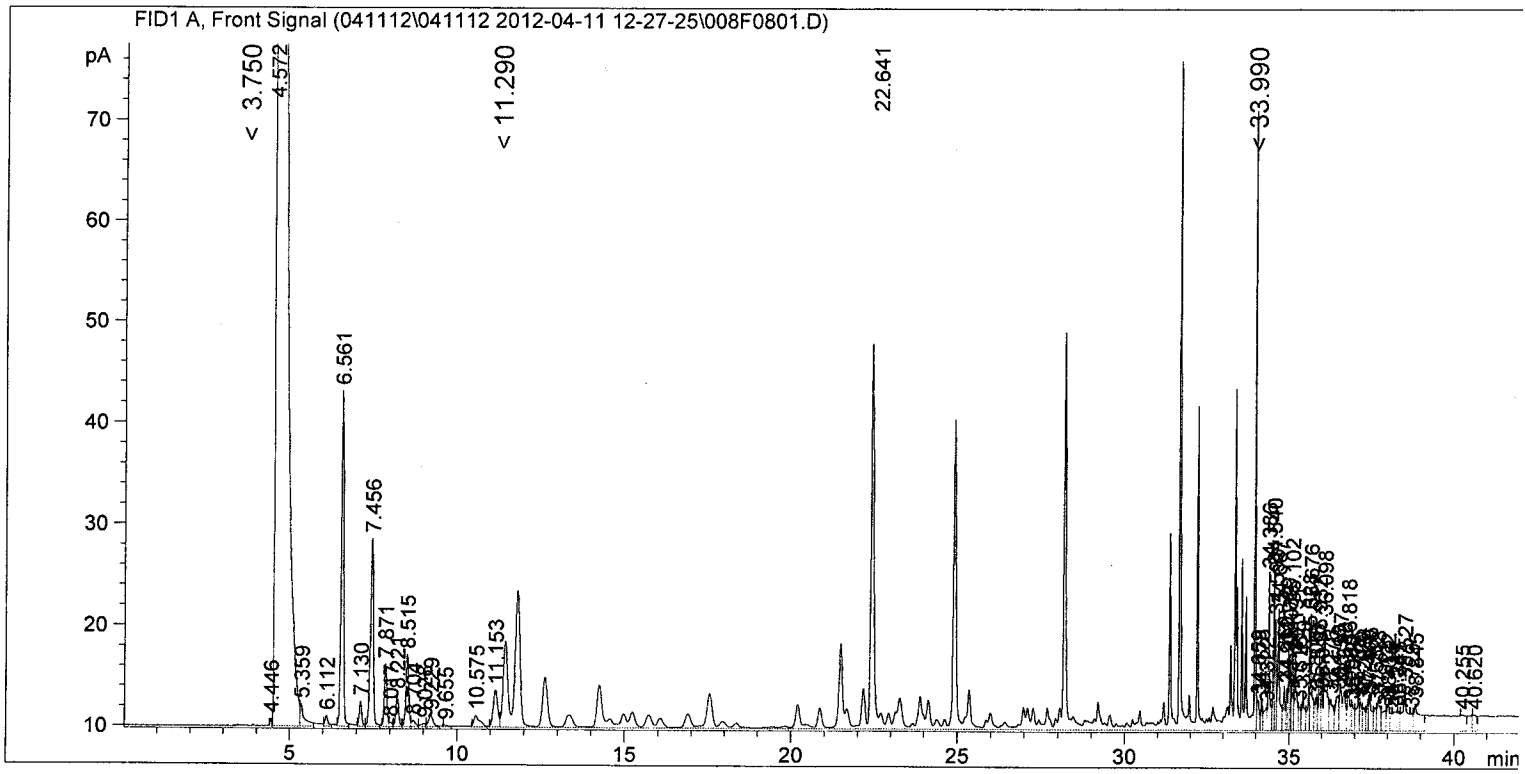
Totals : 147.60897

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\008F0801.D
Sample Name: 800P0411

==========

Acq. Operator	: LEW	Seq. Line	: 8
Acq. Instrument	: 332	Location	: Vial 8
Injection Date	: 4/11/2012 6:53:39 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 AM 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 : Thursday, March 29, 2012 7:11:52 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+	0.6233	2453.62207	16.99590	

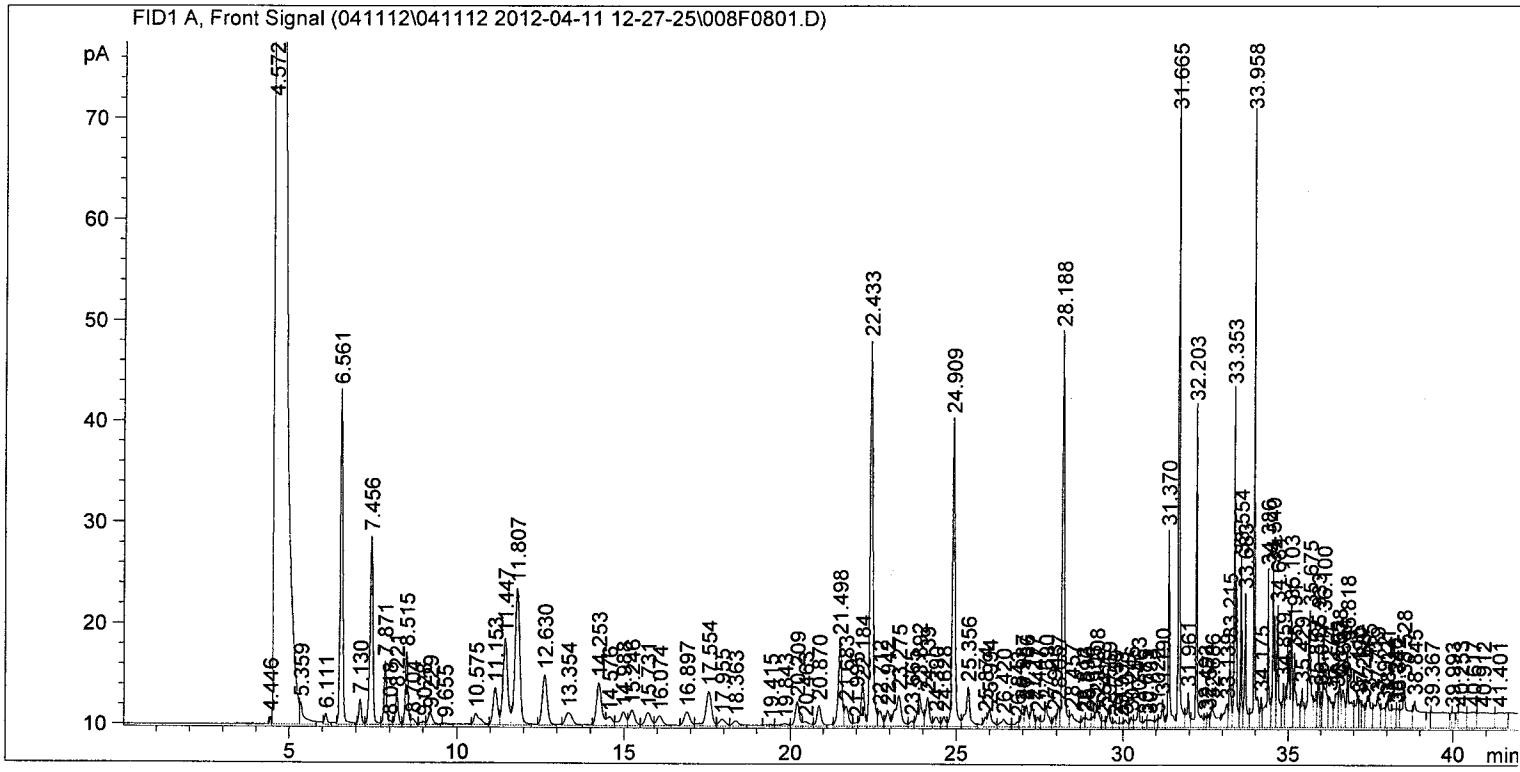
Totals : 2453.62207 16.9959

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\008F0801.D
Sample Name: 800P0411

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/11/2012 6:53:39 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M		
Last changed	: 12/13/2010 9:38:17 AM by LEW		
Analysis Method	: C:\CHEM32\1\METHODS\EPA_GRO_032812.M		
Last changed	: 4/12/2012 7:26:05 AM 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 12, 2012 7:26:05 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
11.447	HH		84.05119	3.19224e-1	26.83116		2-Methylpentane
22.433	HH	I	233.87149	1.95249e-1	45.66316		fluorobenzene
24.909	HH	+	174.70177	2.55819e-1	44.69210		@@@
33.958	HH		148.96532	4.68693e-1	69.81898		1,2,4-Trimethylbenzene

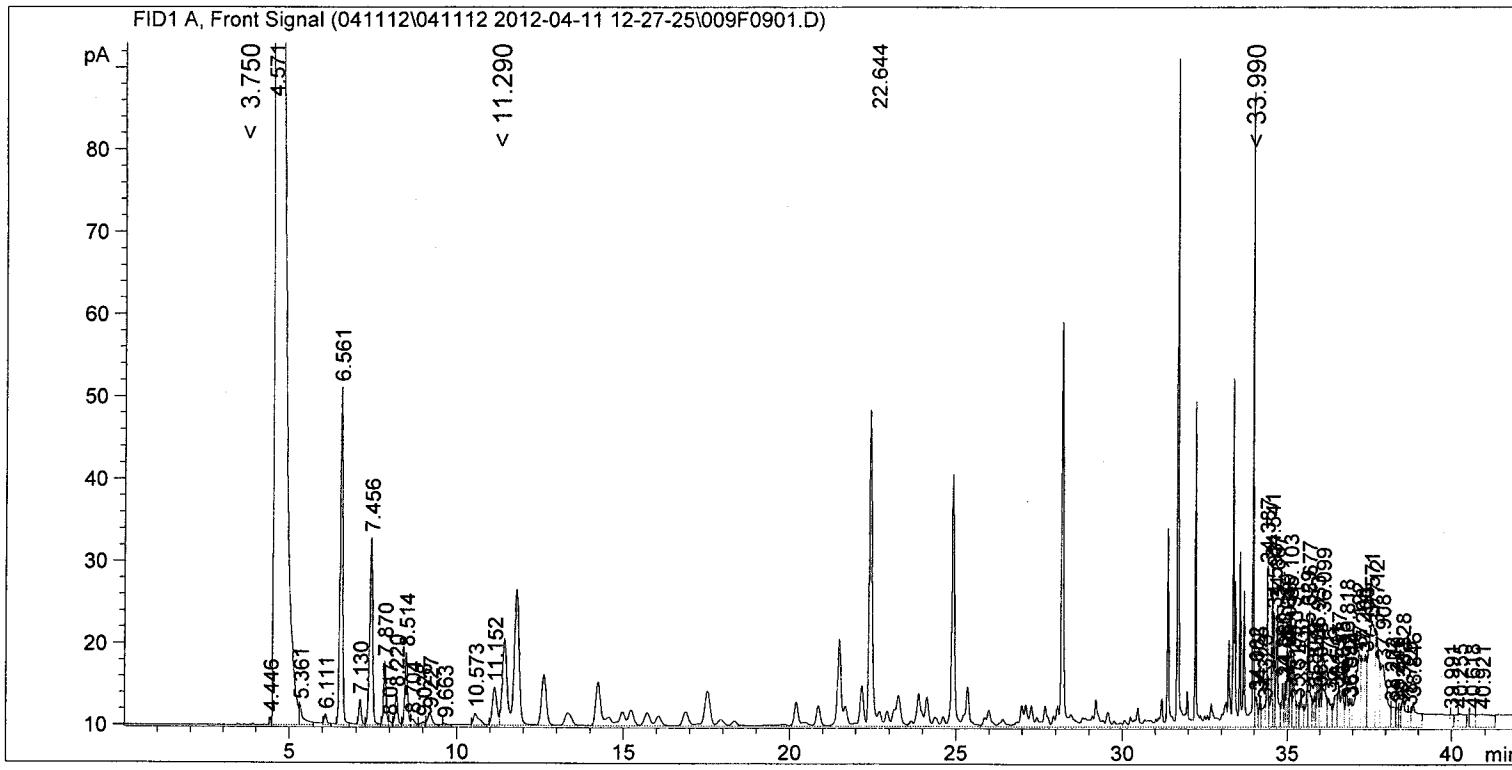
Totals : 187.00540

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\009F0901.D
Sample Name: 1000P0411

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 4/11/2012 7:40:46 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\GRO_SUM032812.M
Last changed : 3/29/2012 7:16:32 AM 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 : Thursday, March 29, 2012 7:11:52 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+	0.6012	2907.57471	17.57301	

Totals : 2907.57471 17.5730

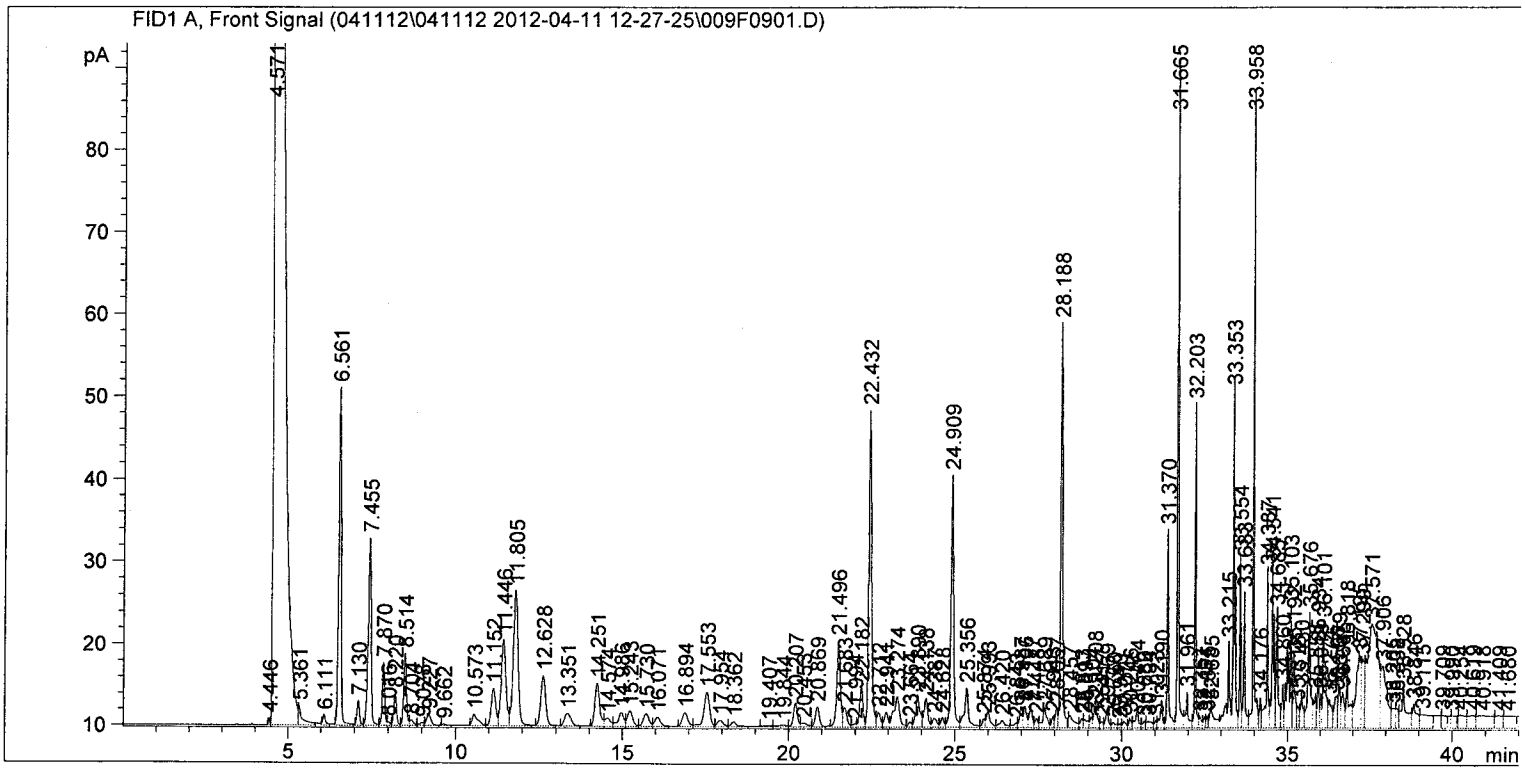
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\009F0901.D
Sample Name: 1000P0411

==========

Acq. Operator	: LEW	Seq. Line :	9
Acq. Instrument	: 332	Location :	Vial 9
Injection Date	: 4/11/2012 7:40:46 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_032812.M
Last changed : 4/12/2012 7:26:21 AM 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 12, 2012 7:26:21 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		103.36334	3.19224e-1	32.99607		2-Methylpentane
22.432	HH	I	237.86365	2.08205e-1	49.52449		fluorobenzene
24.909	HH	+	177.33350	2.79318e-1	49.53246		@@@
33.958	HH		184.92151	4.85120e-1	89.70905		1,2,4-Trimethylbenzene

Totals : 221.76207

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D30006

SDG: KNM040512

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: KNM040512

Project: KNM

Calibration Date: 04/26/12 00:00

Instrument: 332

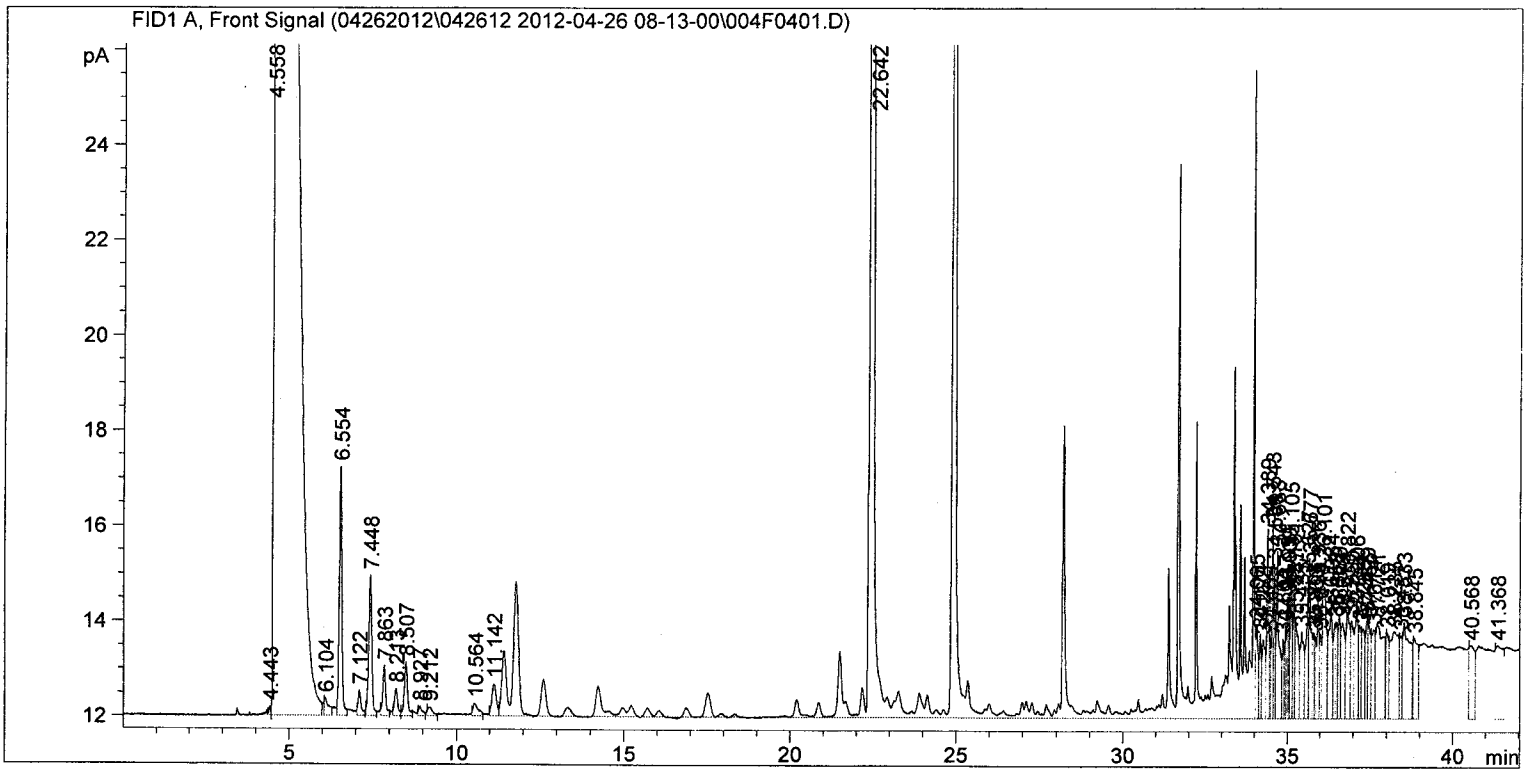
Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
GRO - 8015 (C6-C10)	4.24403	5.943092	22.53667	1.166618	0.99732		0.99	
aaa-Trifluorotoluene	5.510581	4.001646	24.90783	1.058876E-02			20	

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

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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	22.642	HHA+	0.2690	1125.87036	10.19058	

Totals : 1125.87036 10.1906

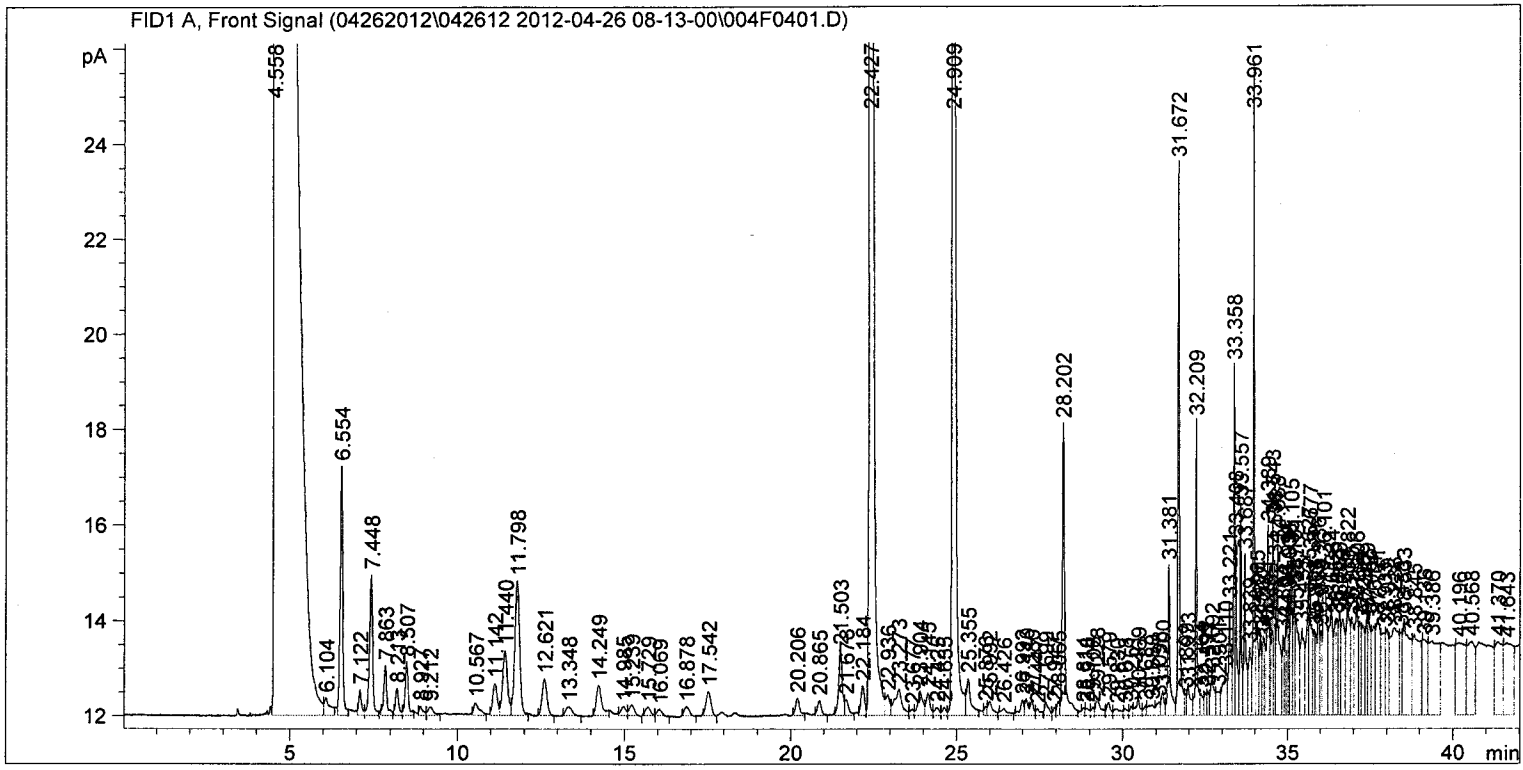
1 Warnings or Errors :

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

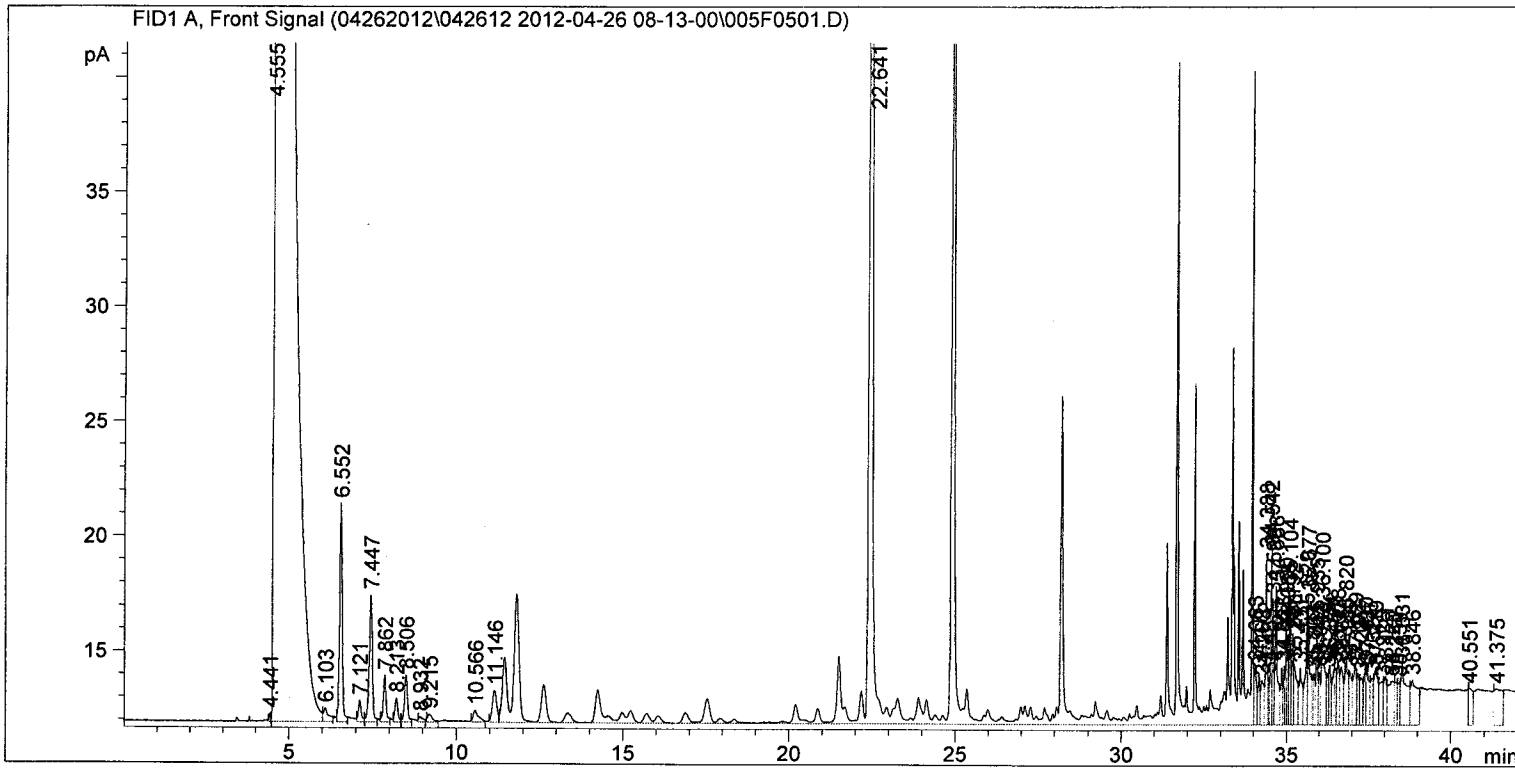
RetTime [min]	Type		Area [pA*s]	Amt/Area	Amount [ug/L]	Grp	Name
11.440	HH		13.49102	4.83730e-1	6.52602		2-Methylpentane
22.427	HH	I	417.65878	2.23139e-1	93.19587		fluorobenzene
24.909	HH	+	260.23401	3.08071e-1	80.17058		@@@
33.961	HH		34.36179	5.03641e-1	17.30602		1,2,4-Trimethylbenzene

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	

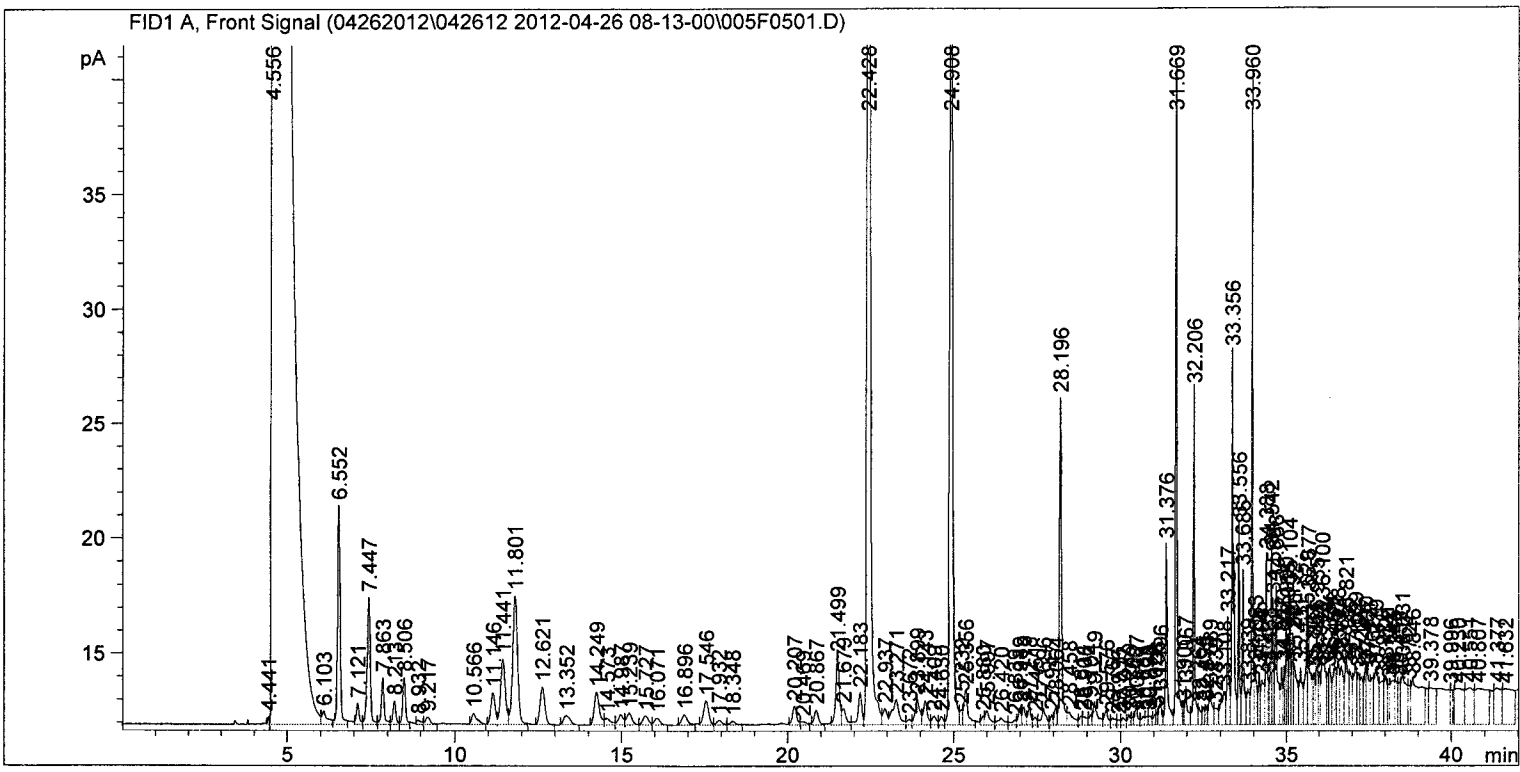
1 Warnings or Errors :

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

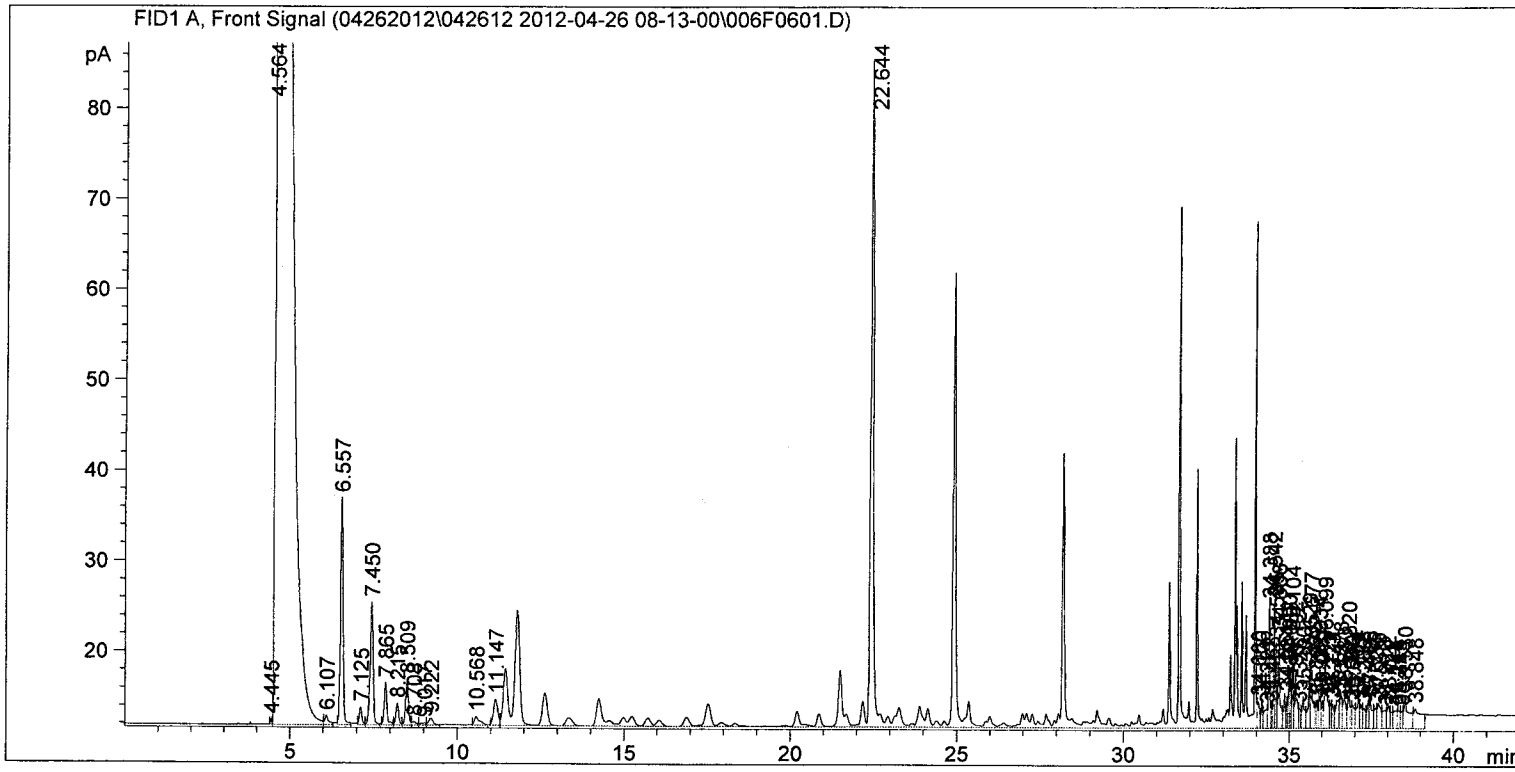
Signal 1: FID1 A, Front Signal

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.		



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	22.644	HHA+	0.5473	2416.31909	11.94533	
Totals :				2416.31909	11.9453	

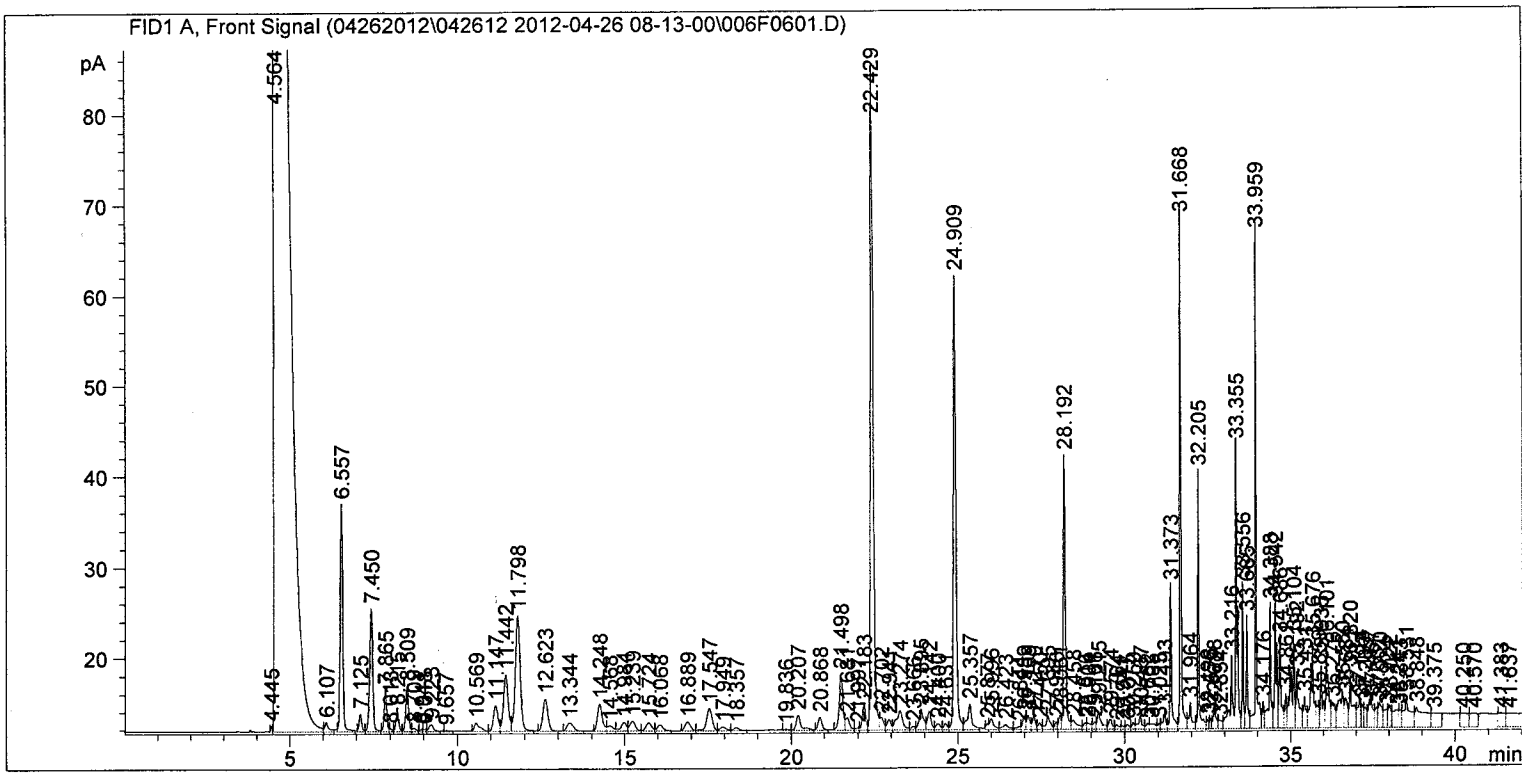
1 Warnings or Errors :

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

==========

Acq. Operator	: LEW	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\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

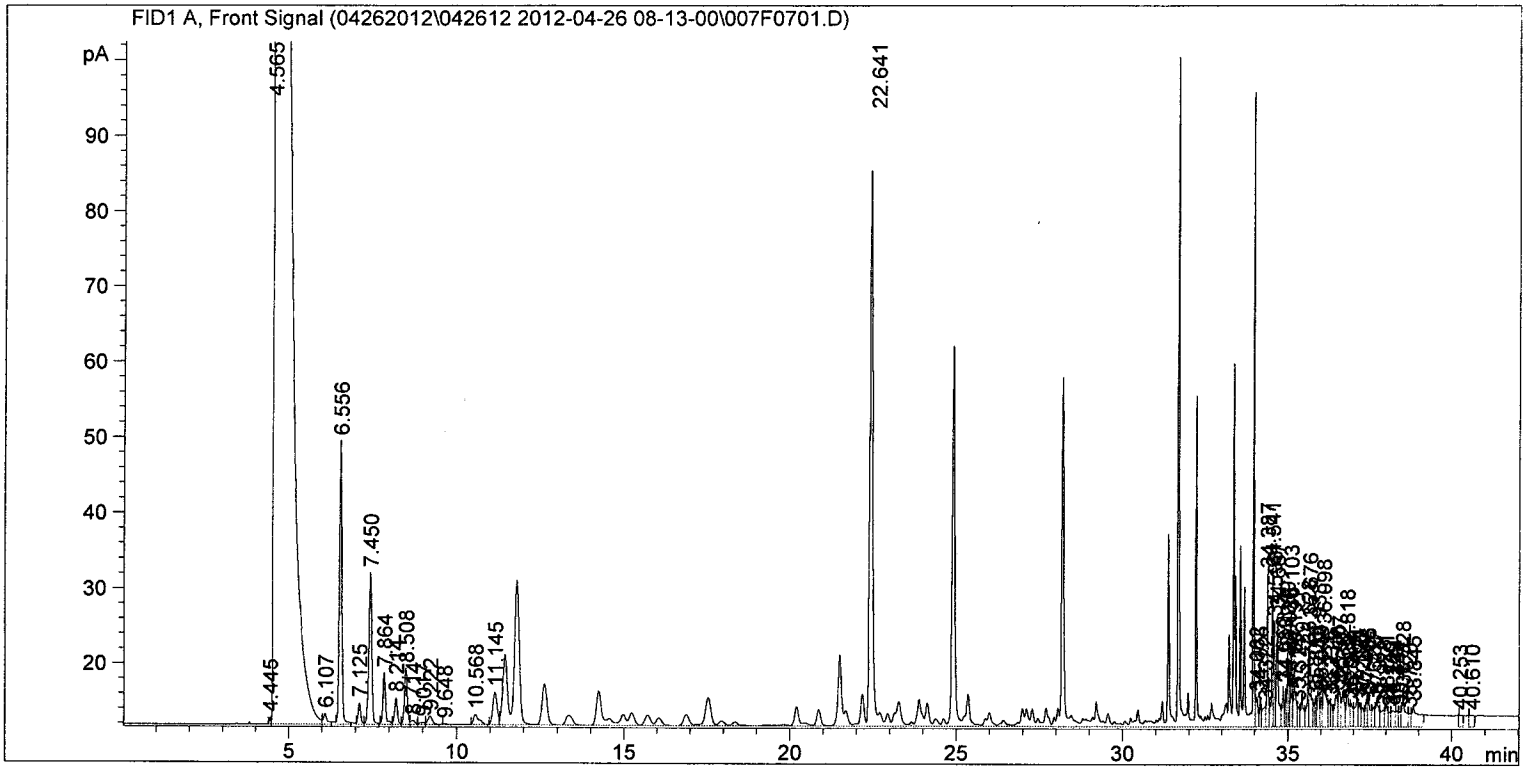
Totals : 284.55479

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.



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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

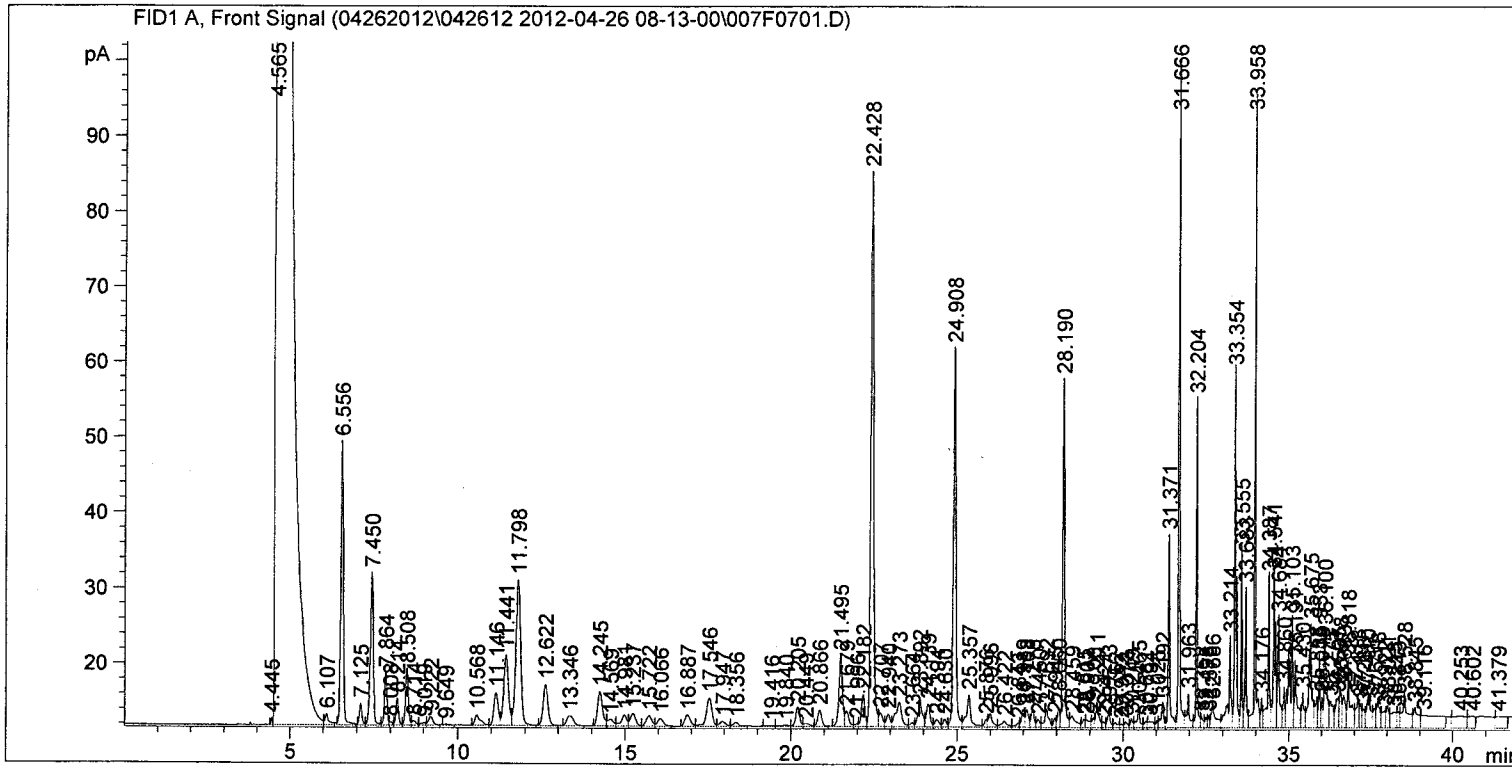
Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.6101	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		



External Standard Report

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

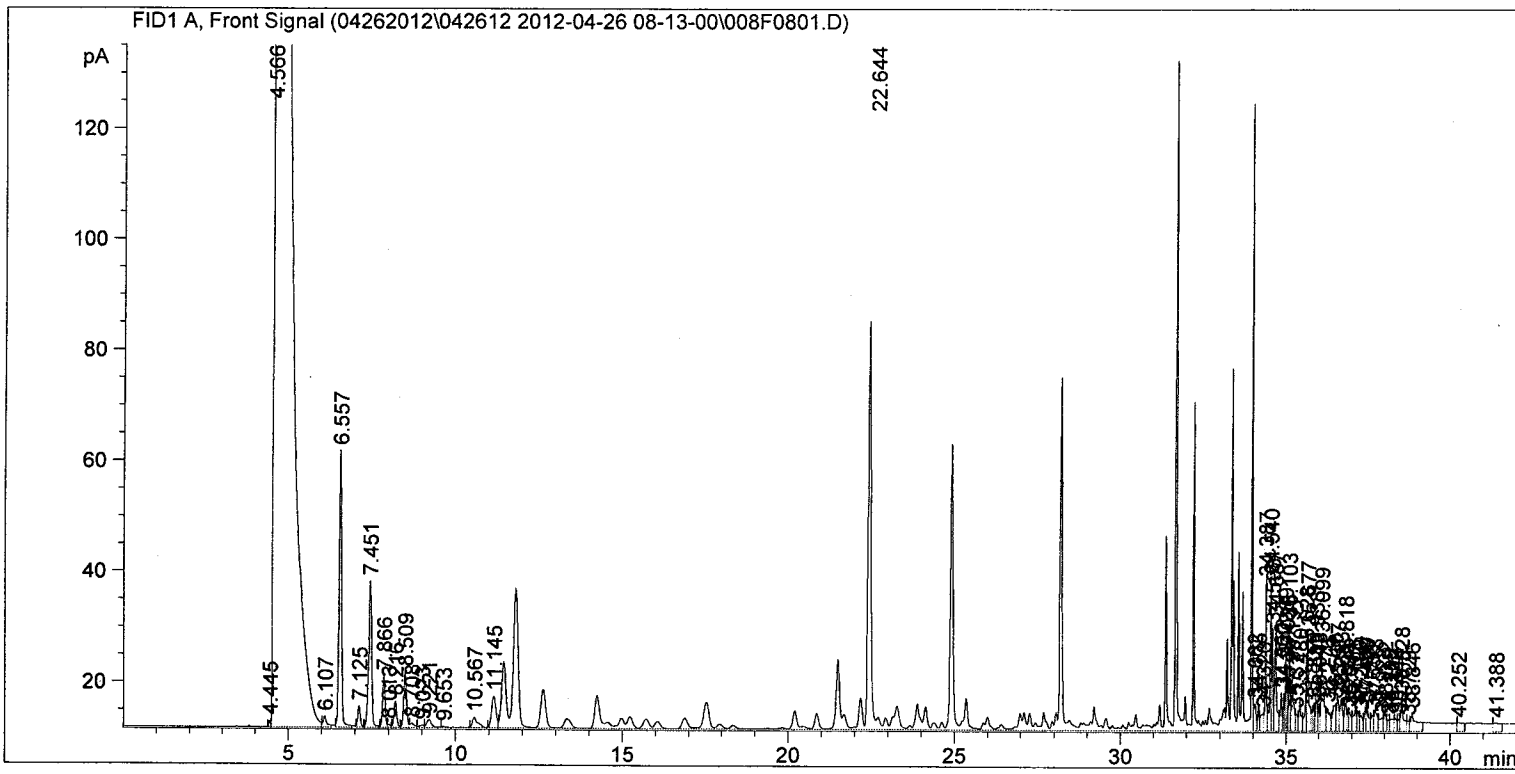
Totals : 265.38217

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	

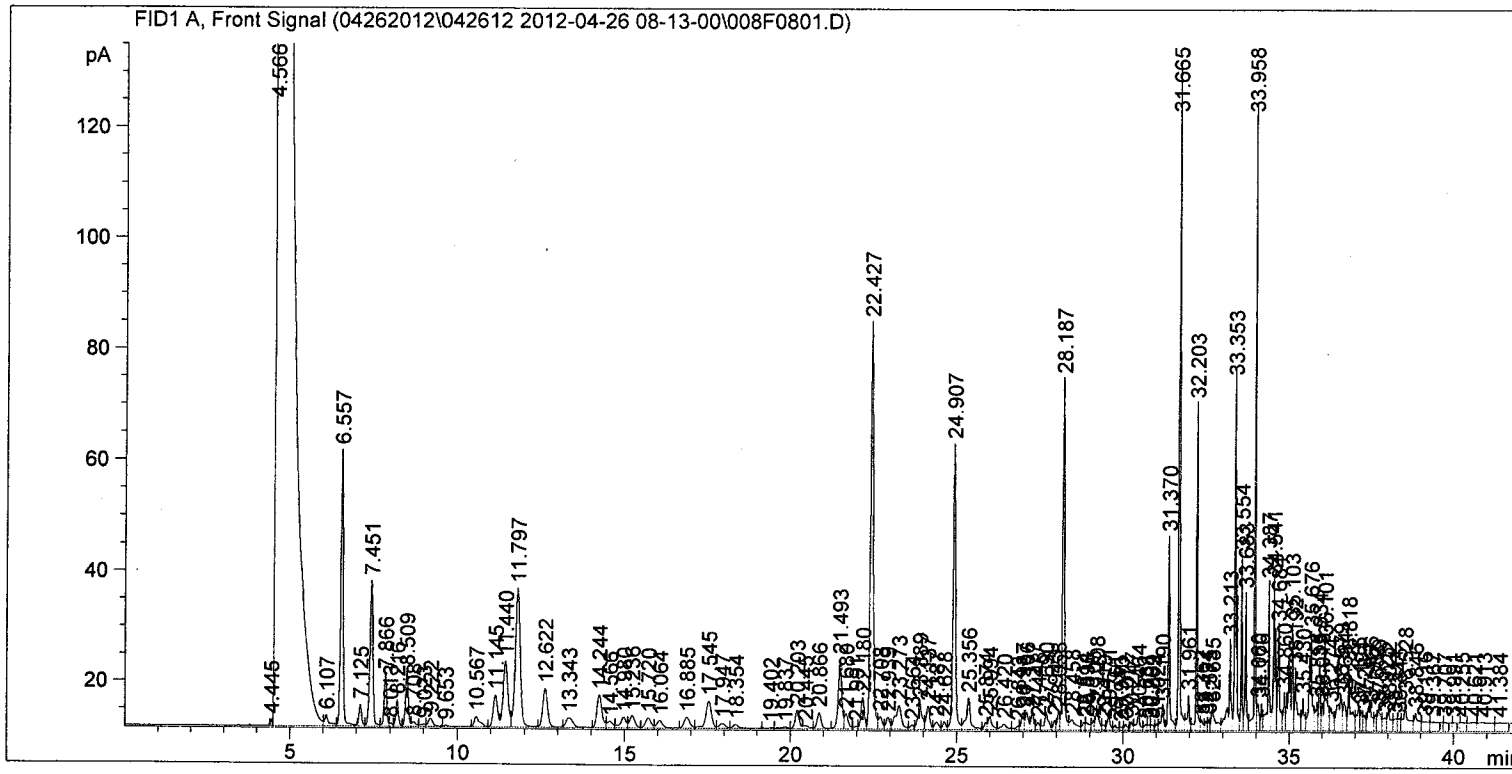
Totals : 4020.04272 11.7279

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

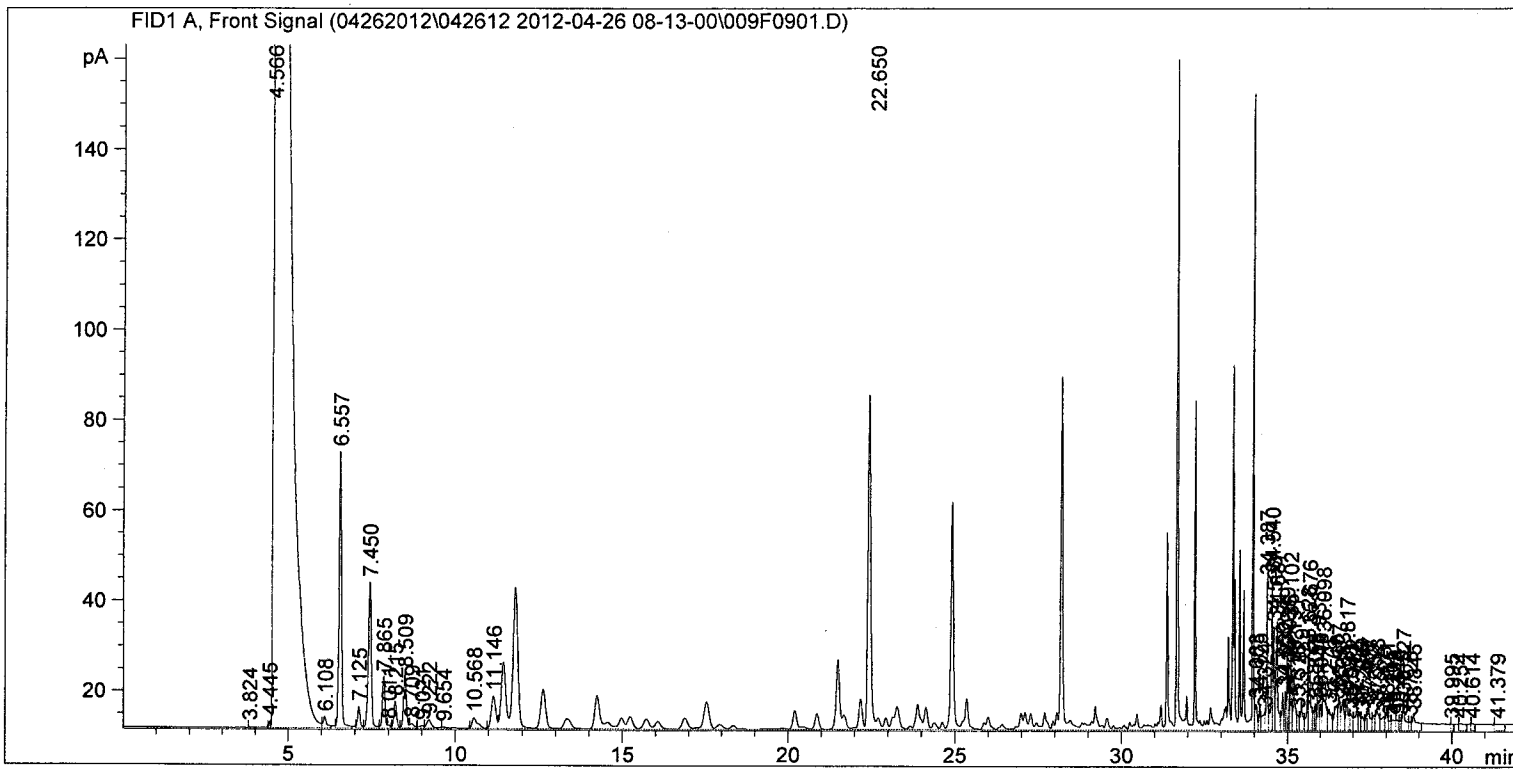
Totals : 271.73849

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

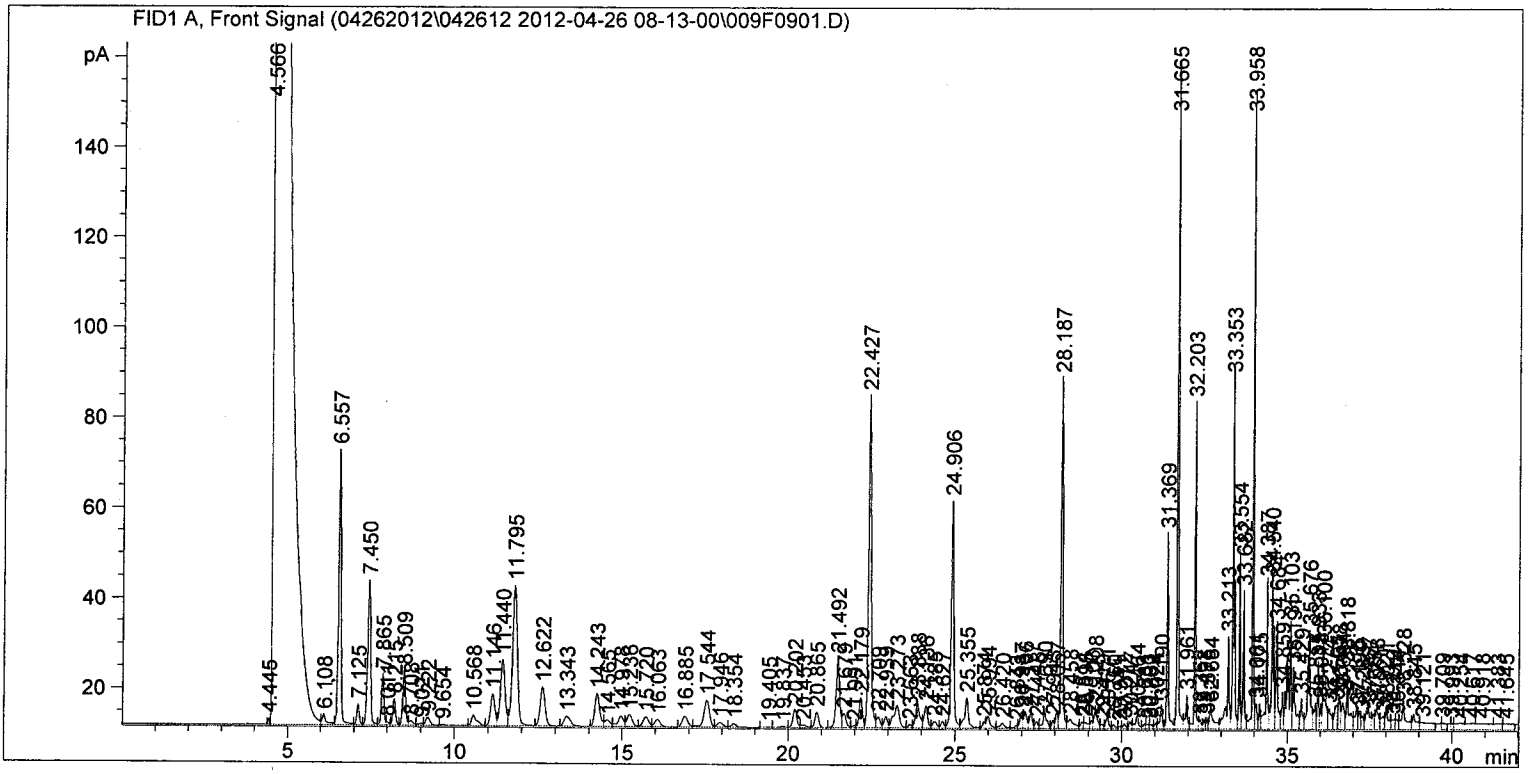
1 Warnings or Errors :

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

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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
11.440	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

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2D16017-SCV1
Sequence: 2D16017

SDG: KNM040512
Project: KNM
Standard ID: 2040692
Calibration: 2D16005

Analyte	Expected (ug/L)	Found (ug/L)	% Rec.	QC Limit
GRO - 8015 (C6-C10)	550	562	102	80-120
aaa-Trifluorotoluene	50.0	51.7	103	80-120

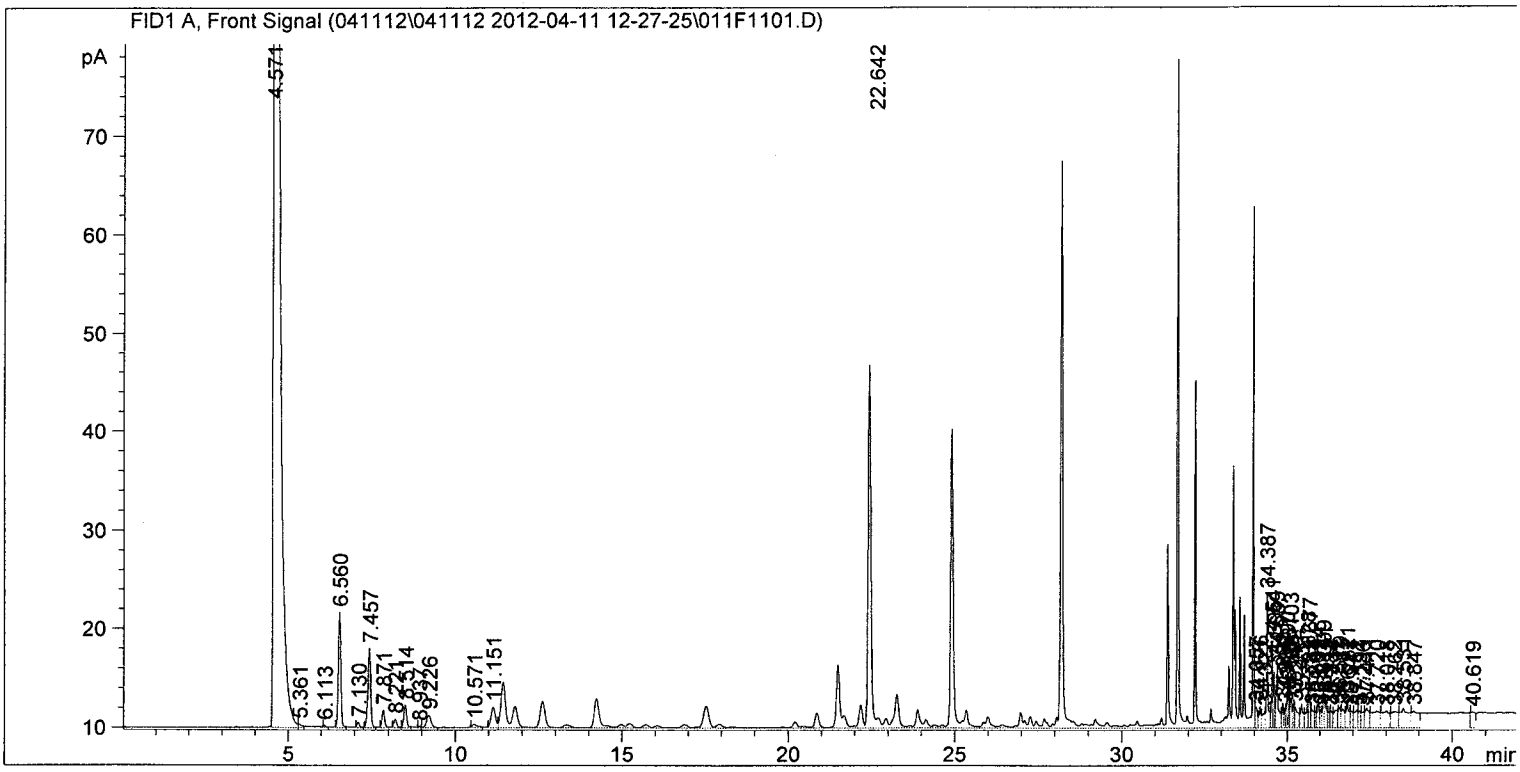
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\011F1101.D
Sample Name: SCV0411

==========

Acq. Operator	: LEW	Seq. Line	: 11
Acq. Instrument	: 332	Location	: Vial 11
Injection Date	: 4/11/2012 9:14:53 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\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	22.642	HHA+	0.4553	1841.21533	32.68396	
Totals :				1841.21533	32.6840	

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\011F1101.D
Sample Name: SCV0411

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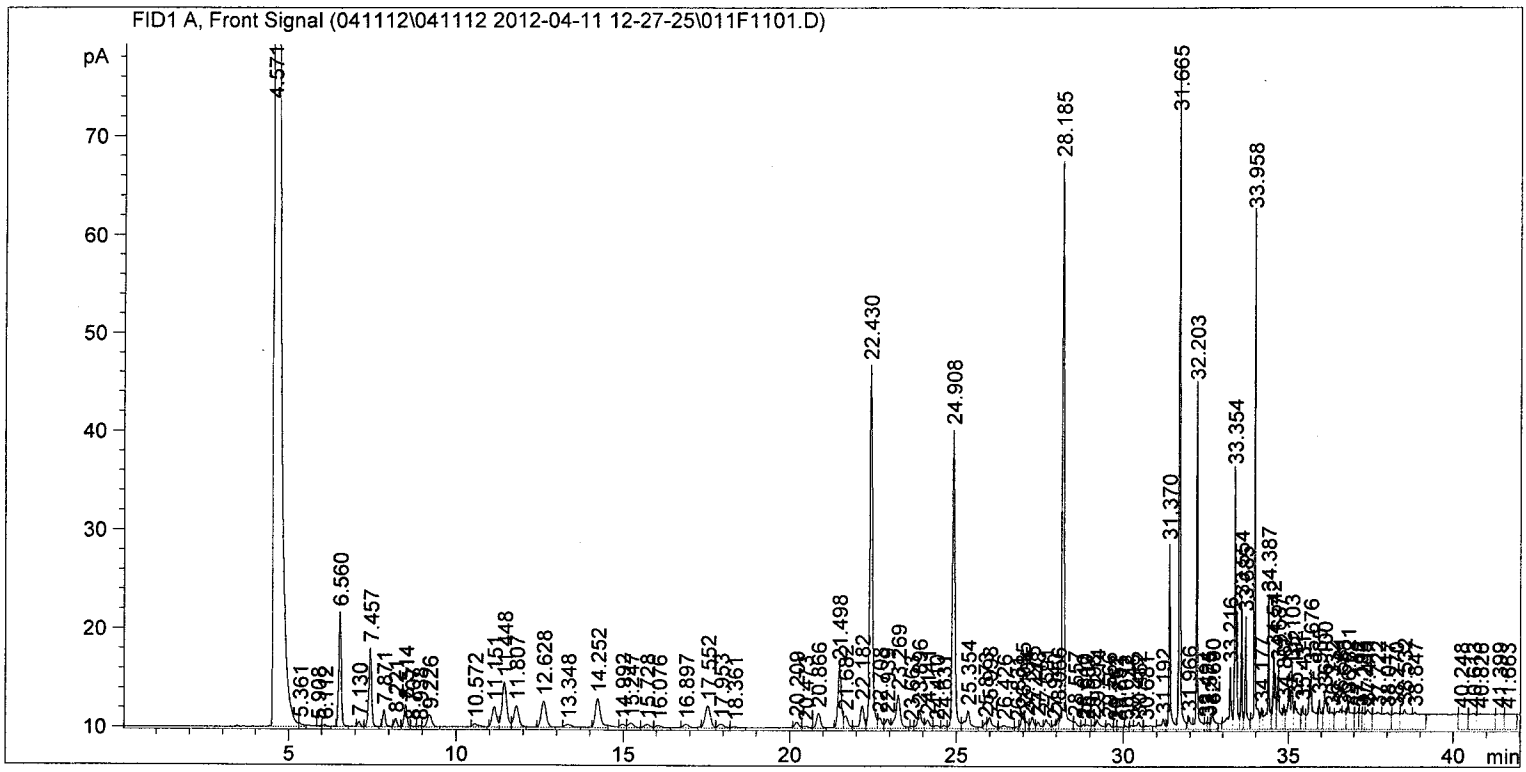
Acq. Operator : LEW
Seq. Line : 11
Acq. Instrument : 332
Location : Vial 11
Injection Date : 4/11/2012 9:14:53 PM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
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
11.448	HH		44.77705	4.83730e-1	21.66003		2-Methylpentane
22.430	HH	I	220.19241	2.23139e-1	49.13347		fluorobenzene
24.908	HH	+	167.79169	3.08071e-1	51.69177		@@@
33.958	HH		123.66026	5.03641e-1	62.28043		1,2,4-Trimethylbenzene

Totals : 184.76569

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

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

SDG: KNM040512
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

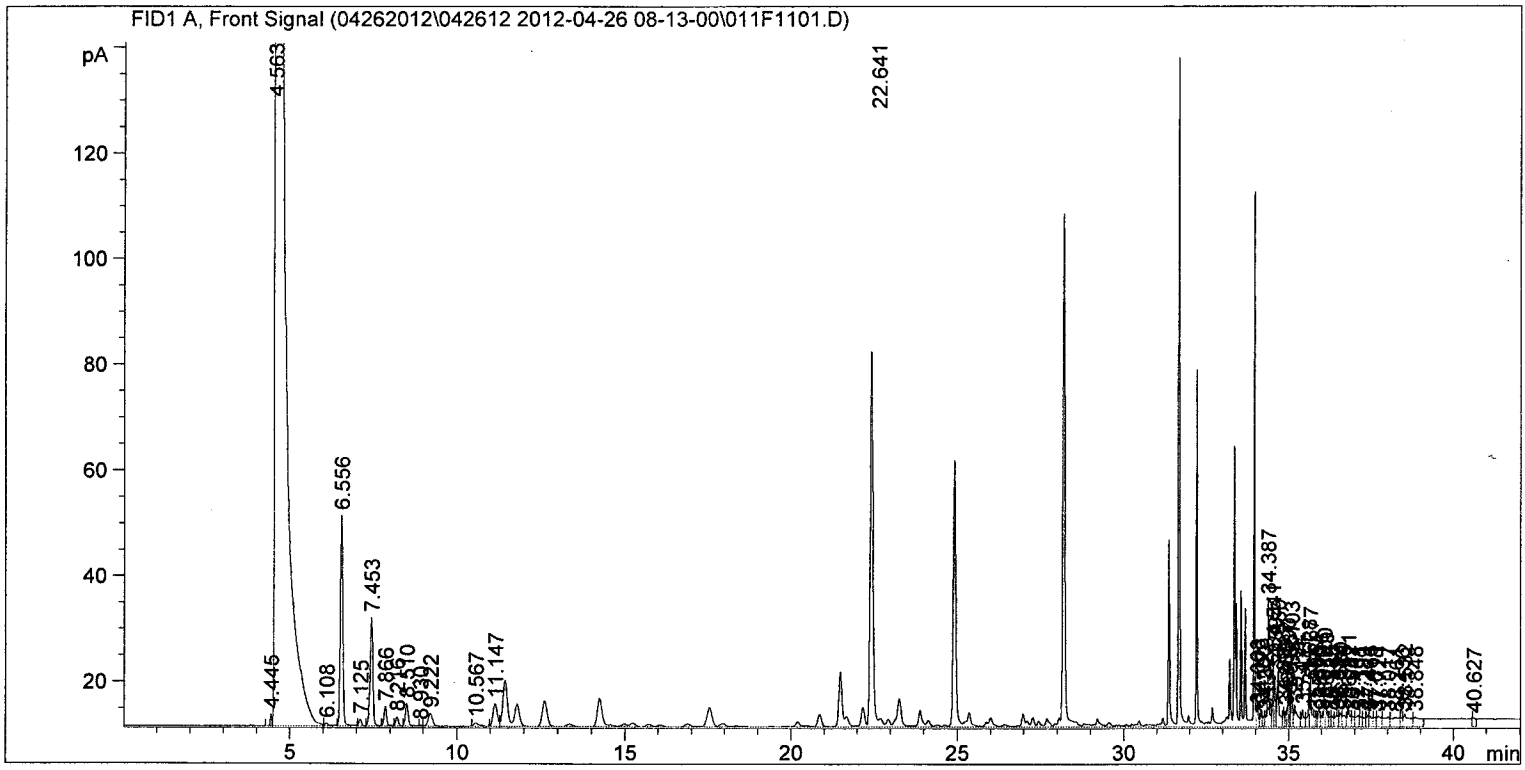
* Values outside of QC limits

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

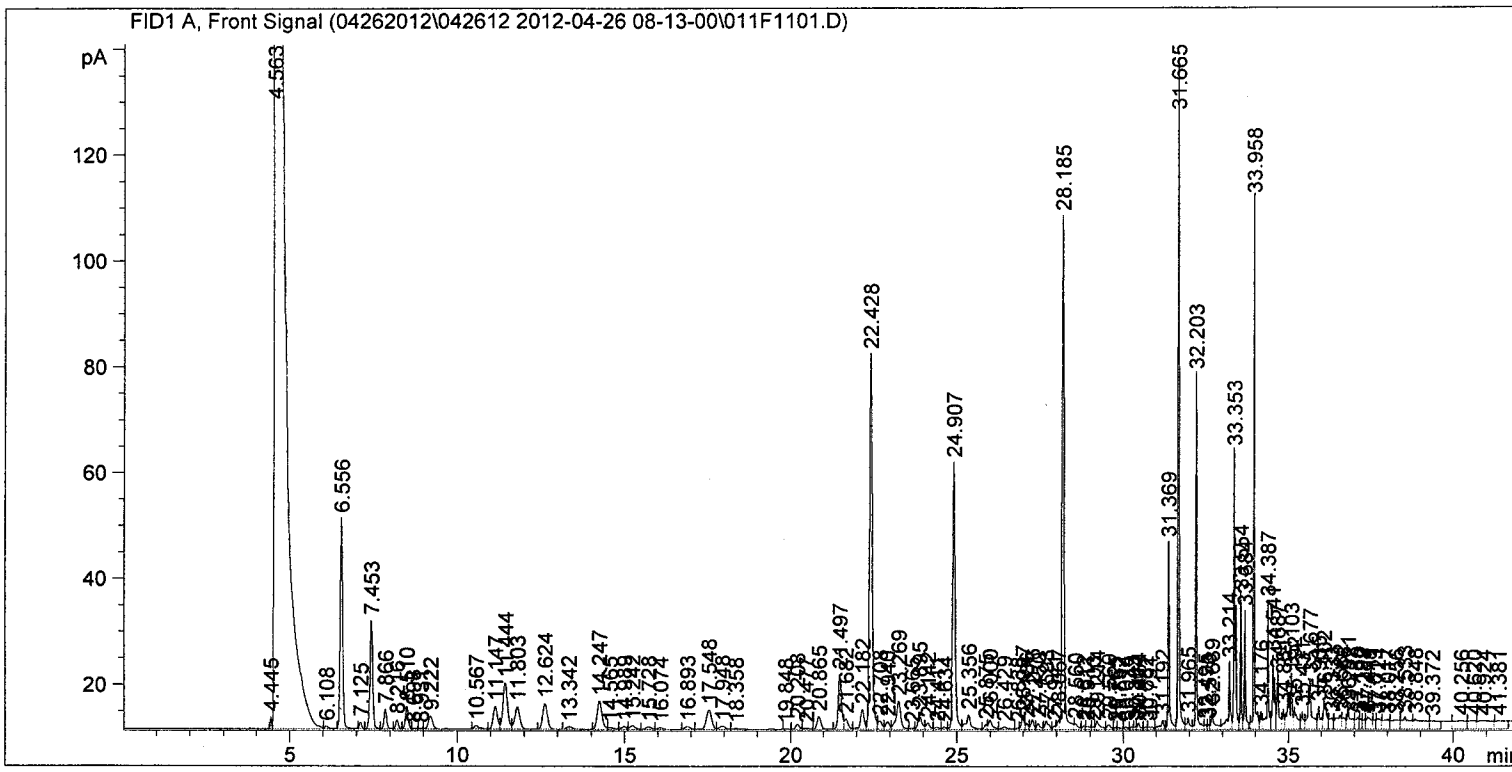
1 Warnings or Errors :

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

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D16024-CCV1
Lab File ID: 003F0301.D
Injection Date: 04/12/12
Injection Time: 10:15
Calibration Date: 04/11/12 00:00
Calibration: 2D16005
Sequence: 2D16024
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	388	2.737086	2.582325		-3.1	20

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

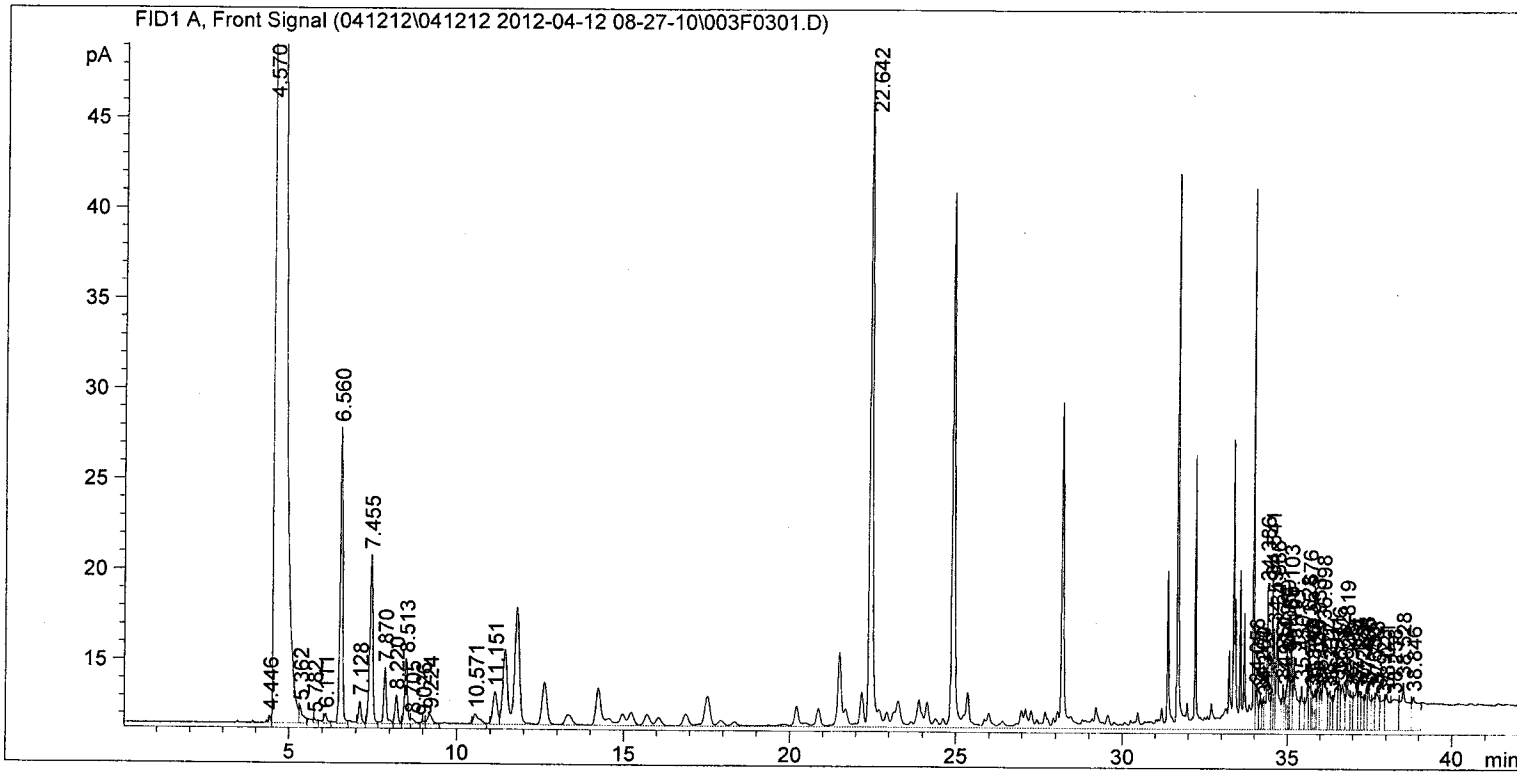
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\003F0301.D
Sample Name: CCV0412A

==========

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 4/12/2012 10:15:27 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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	22.642	HHA+	0.6464	1421.39990	17.31092	
Totals :				1421.39990	17.3109	

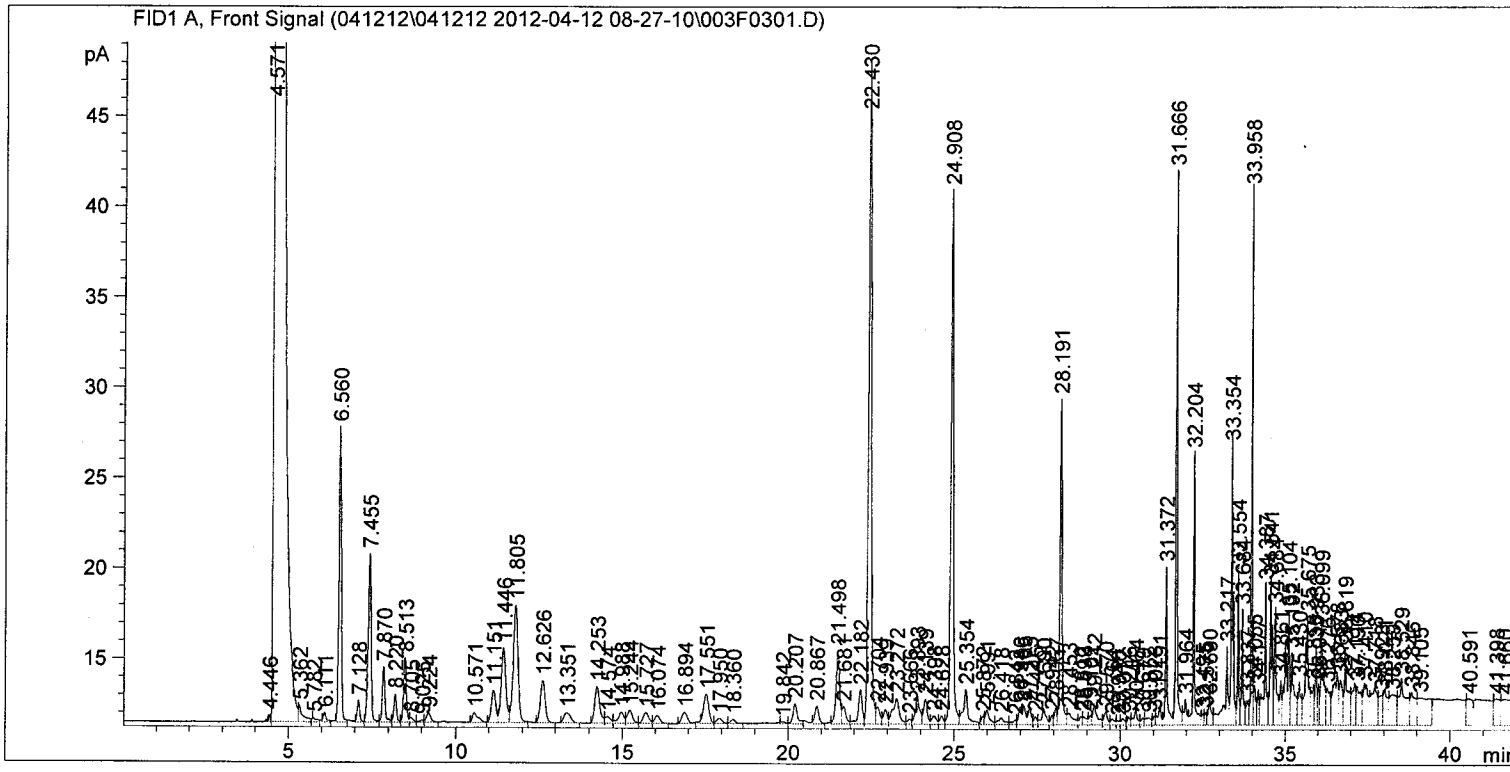
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\003F0301.D
Sample Name: CCV0412A

==========

Acq. Operator	: LEW	Seq. Line	: 3
Acq. Instrument	: 332	Location	: Vial 3
Injection Date	: 4/12/2012 10:15:27 AM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.446	HH		40.93900	4.83730e-1	19.80344		2-Methylpentane
22.430	HH	I	222.66052	2.23139e-1	49.68420		fluorobenzene
24.908	HH	+	165.80869	3.08071e-1	51.08086		@@@
33.958	HH		65.52495	5.03641e-1	33.00108		1,2,4-Trimethylbenzene

Totals : 153.56958

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D16024-CCV2
Lab File ID: 008F0801.D
Injection Date: 04/12/12
Injection Time: 14:35
Calibration Date: 04/11/12 00:00
Calibration: 2D16005
Sequence: 2D16024
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	328	2.737086	2.22155		-18.0	20

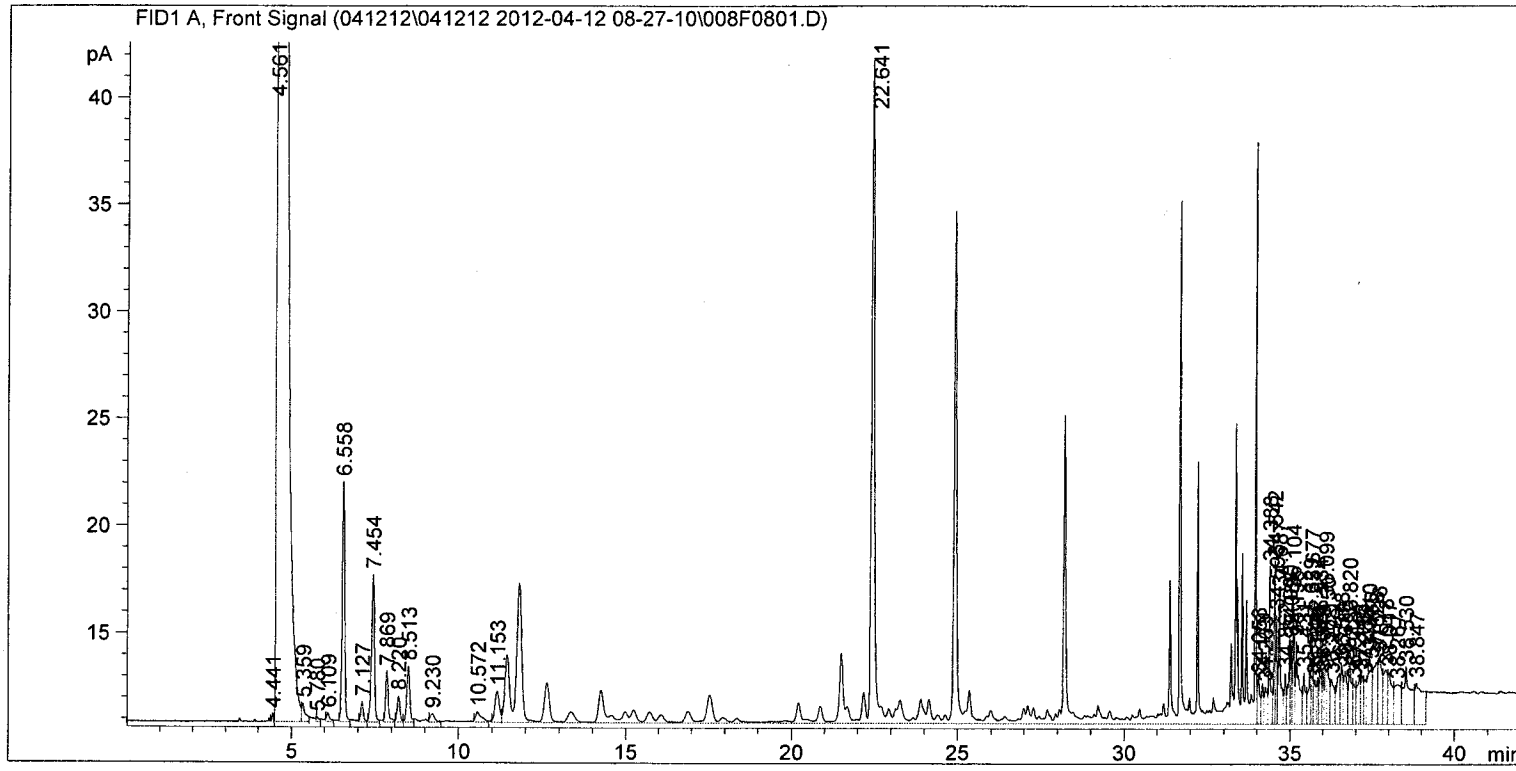
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\008F0801.D
Sample Name: CCV0412B

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/12/2012 2:35:49 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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+	0.6578	1218.94421	16.39328	
Totals :				1218.94421	16.3933	

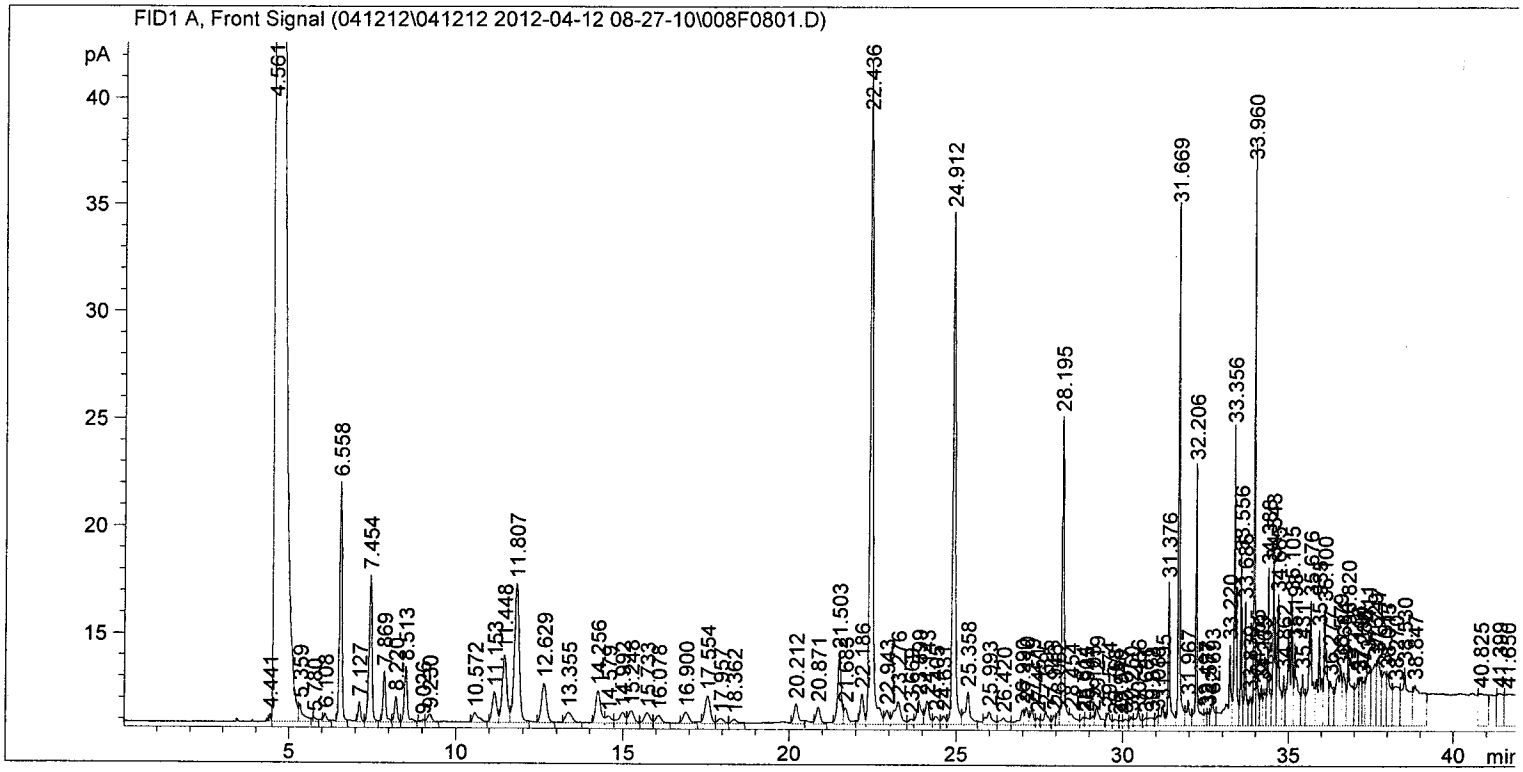
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\008F0801.D
Sample Name: CCV0412B

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/12/2012 2:35:49 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.448	HH		31.26925	4.83730e-1	15.12589		2-Methylpentane
22.436	HH	I	195.29297	2.23139e-1	43.57743		fluorobenzene
24.912	HH	+	135.03403	3.08071e-1	41.60008		@@@
33.960	HH		59.92574	5.03641e-1	30.18108		1,2,4-Trimethylbenzene

Totals : 130.48449

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D30020-CCV1
Lab File ID: 004F0401.D
Injection Date: 04/27/12
Injection Time: 09:56
Calibration Date: 04/26/12 00:00
Calibration: 2D30006
Sequence: 2D30020
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	409	4.24403	4.266175		2.2	20

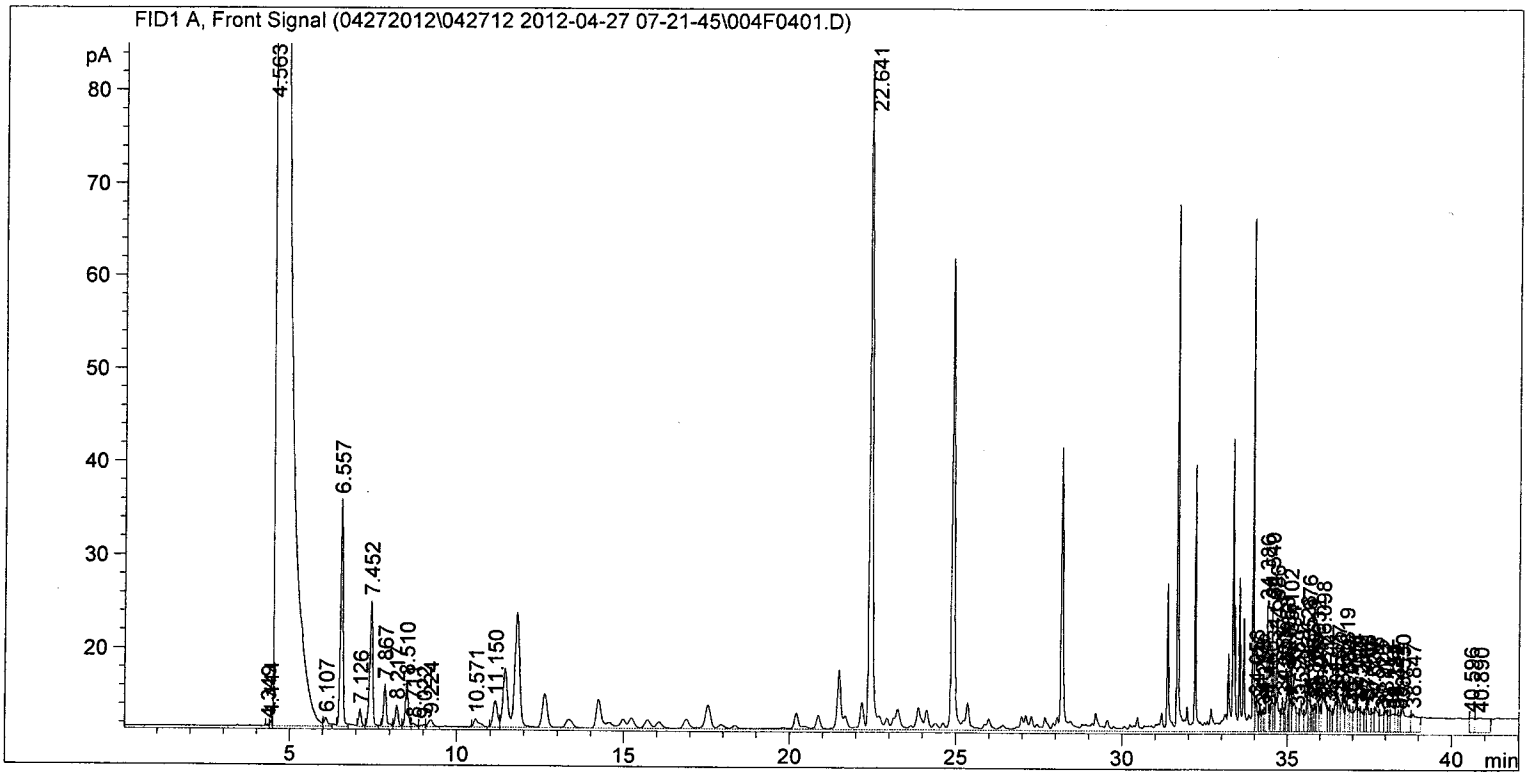
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\004F0401.D
Sample Name: CCV0427A

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 4/27/2012 9:56:32 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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 : 4/27/2012 10:40:31 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 : 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+	0.5613	2414.90381	13.05934	

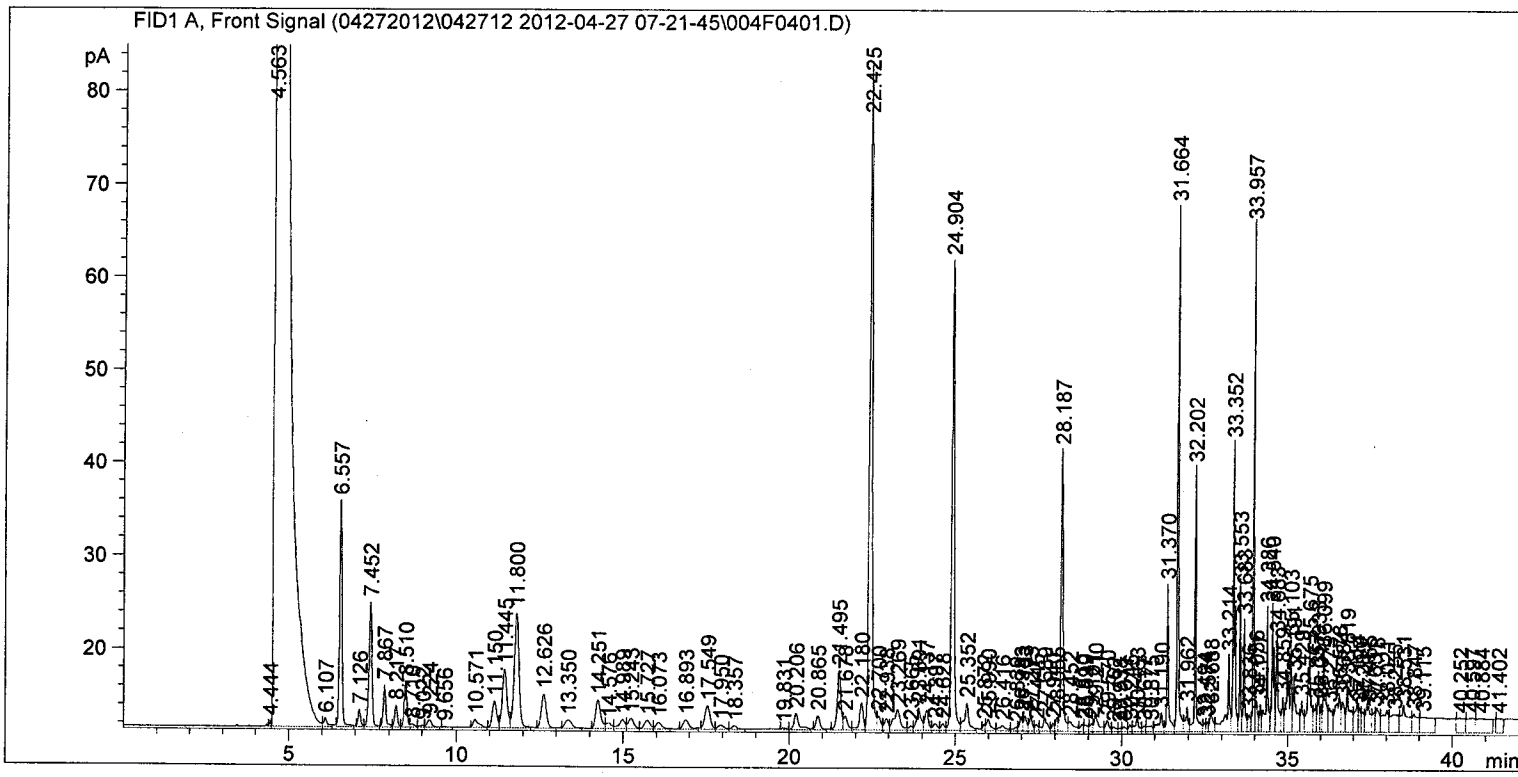
Totals : 2414.90381 13.0593

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\004F0401.D
Sample Name: CCV0427A

==========

Acq. Operator	: LEW	Seq. Line :	4
Acq. Instrument	: 332	Location :	Vial 4
Injection Date	: 4/27/2012 9:56:32 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.445	HH		61.92282	3.49422e-1	21.63717		2-Methylpentane
22.425	HH	I	429.06439	1.14861e-1	49.28272		fluorobenzene
24.904	HH	+	279.37091	1.81469e-1	50.69718		@@@
33.957	HH		116.31122	3.02296e-1	35.16039		1,2,4-Trimethylbenzene

Totals : 156.77746

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Lab Sample ID: 2D30020-CCV2
Lab File ID: 001F0101.D
Injection Date: 04/27/12
Injection Time: 14:34
Calibration Date: 04/26/12 00:00
Calibration: 2D30006
Sequence: 2D30020
Instrument ID: 332

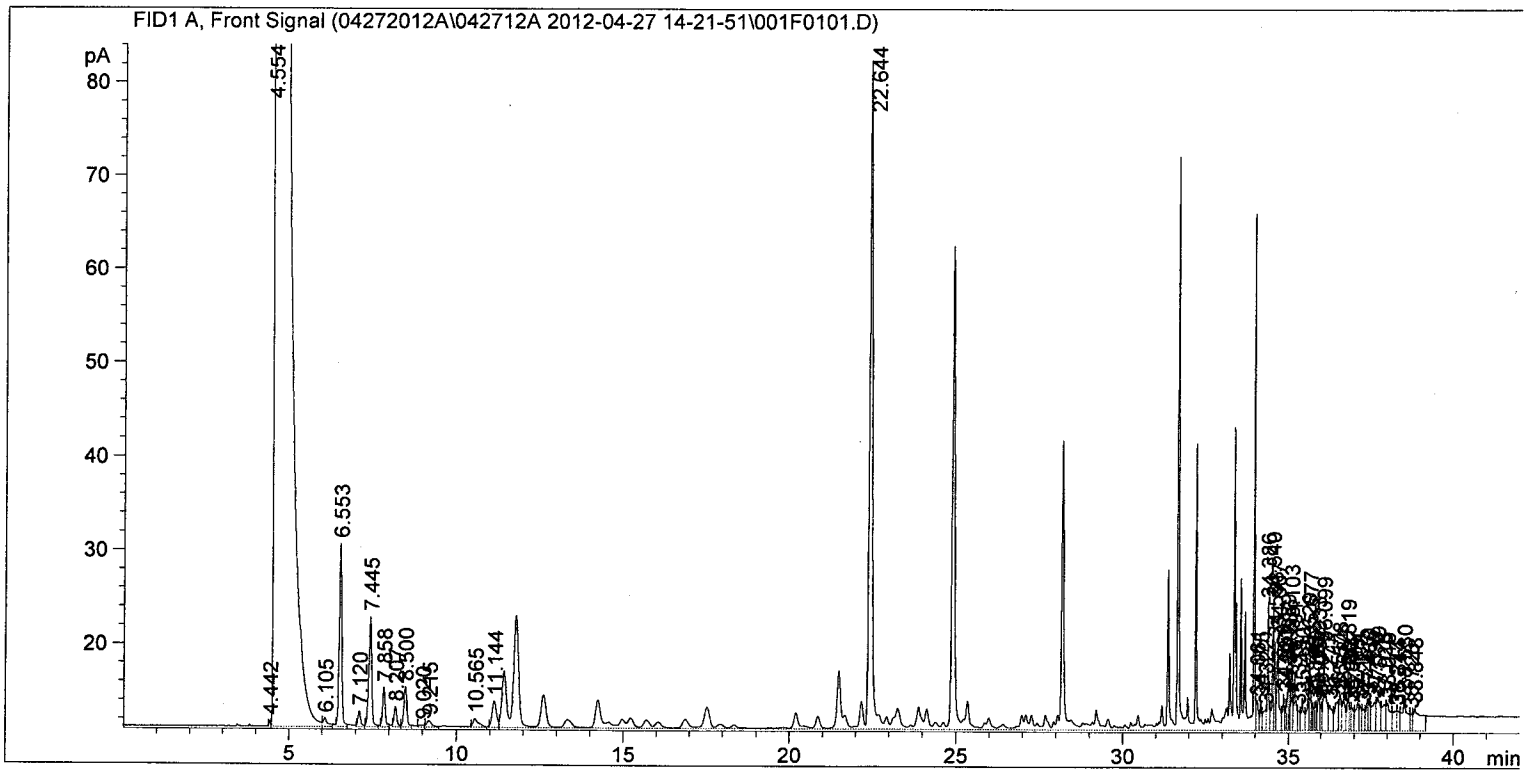
Analyte	Type	CONC. (ug/L)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
GRO - 8015 (C6-C10)	L	400	420	4.24403	4.378575		5.1	20

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\04272012A\042712A 2012-04-27 14-21-51\001F0101.D
Sample Name: CCV0427BB

Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 4/27/2012 2:34:27 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\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	: 4/27/2012 10:40:31 AM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



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+	0.5767	2463.43115	11.44962	

Totals : 2463.43115 11.4496

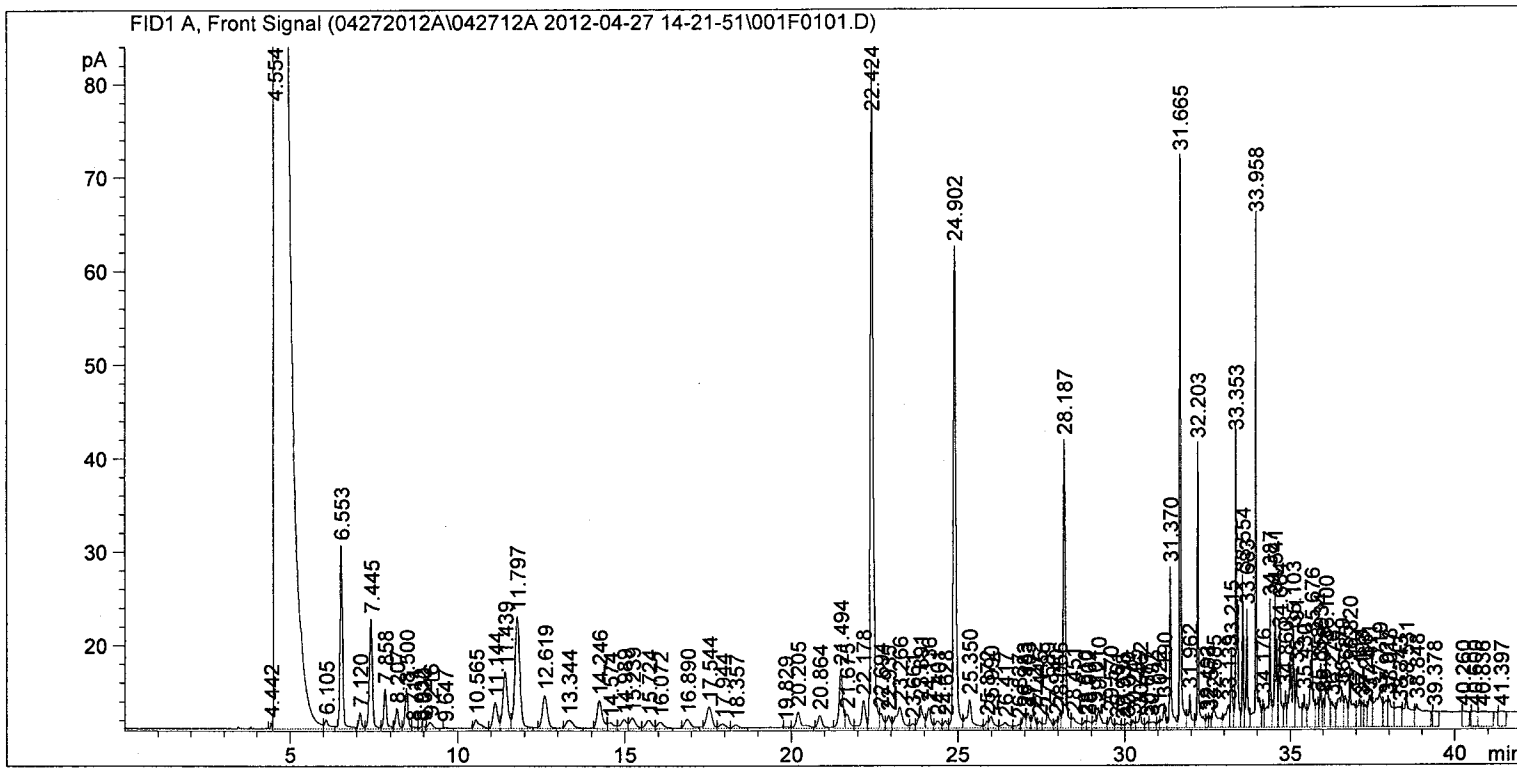
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\001F0101.D
Sample Name: CCV0427BB

==========

Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 4/27/2012 2:34:27 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\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
11.439	HH		59.70791	3.49422e-1	20.86323		2-Methylpentane
22.424	HH	I	428.22852	1.14861e-1	49.18671		fluorobenzene
24.902	HH	+	283.77264	1.81469e-1	51.49596		@@@
33.958	HH		142.18959	3.02296e-1	42.98331		1,2,4-Trimethylbenzene

Totals : 164.52921

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1204606-BLK1
File ID: 002F0201.D
Prepared: 04/12/12 08:00
Analyzed: 04/12/12 09:28
Preparation: 5030B Aqueous Purge &
Initial/Final: 5 mL / 5 mL
QC Batch: 1204606
Sequence: 2D16024
Calibration: 2D16005
Instrument: 332

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

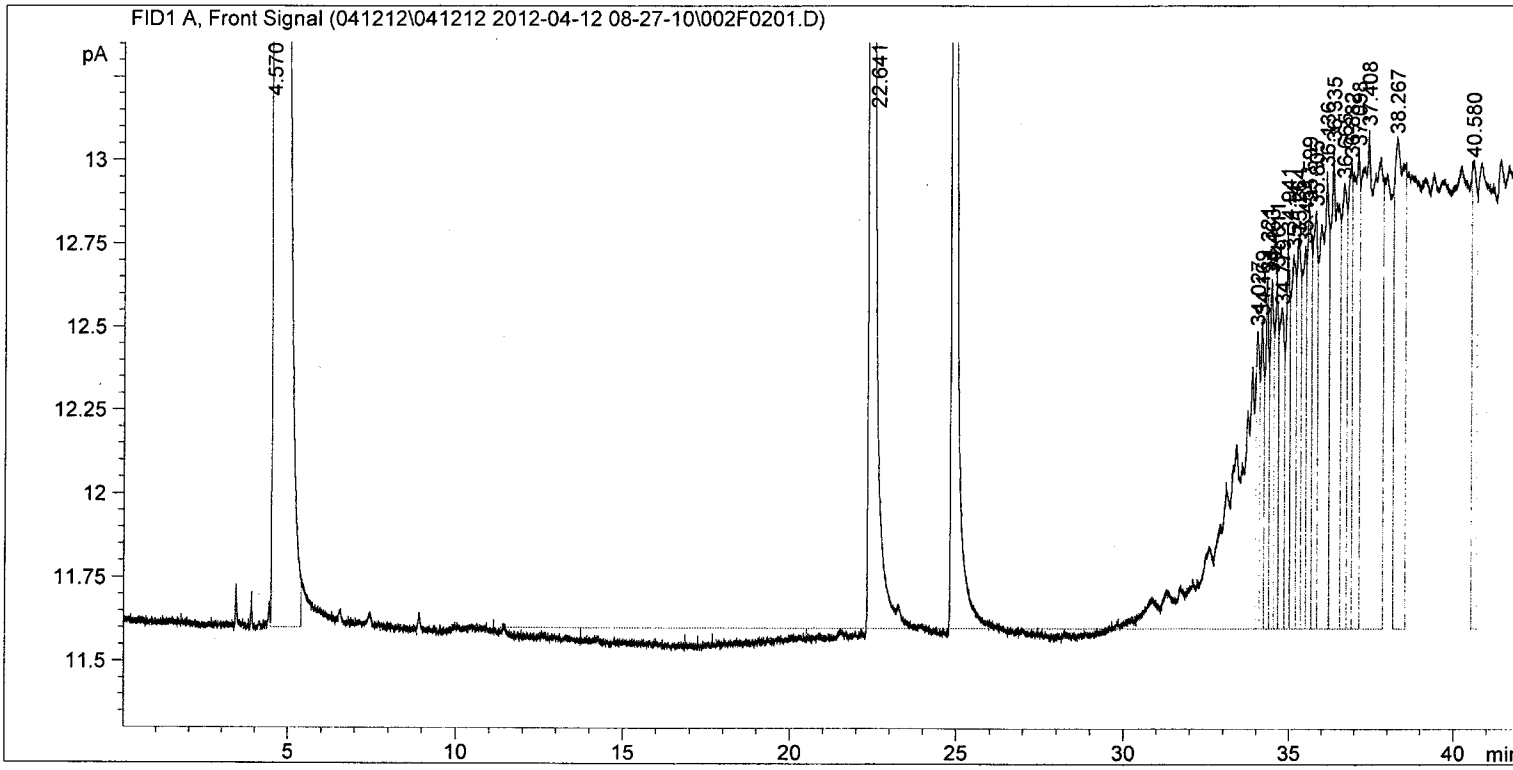
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
aaa-Trifluorotoluene	50.0	49.3	99	71 - 134	

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\002F0201.D
Sample Name: BLK0412

==========

Acq. Operator	: LEW	Seq. Line :	2
Acq. Instrument	: 332	Location :	Vial 2
Injection Date	: 4/12/2012 9:28:28 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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+	0.1834	411.17029	14.62122	

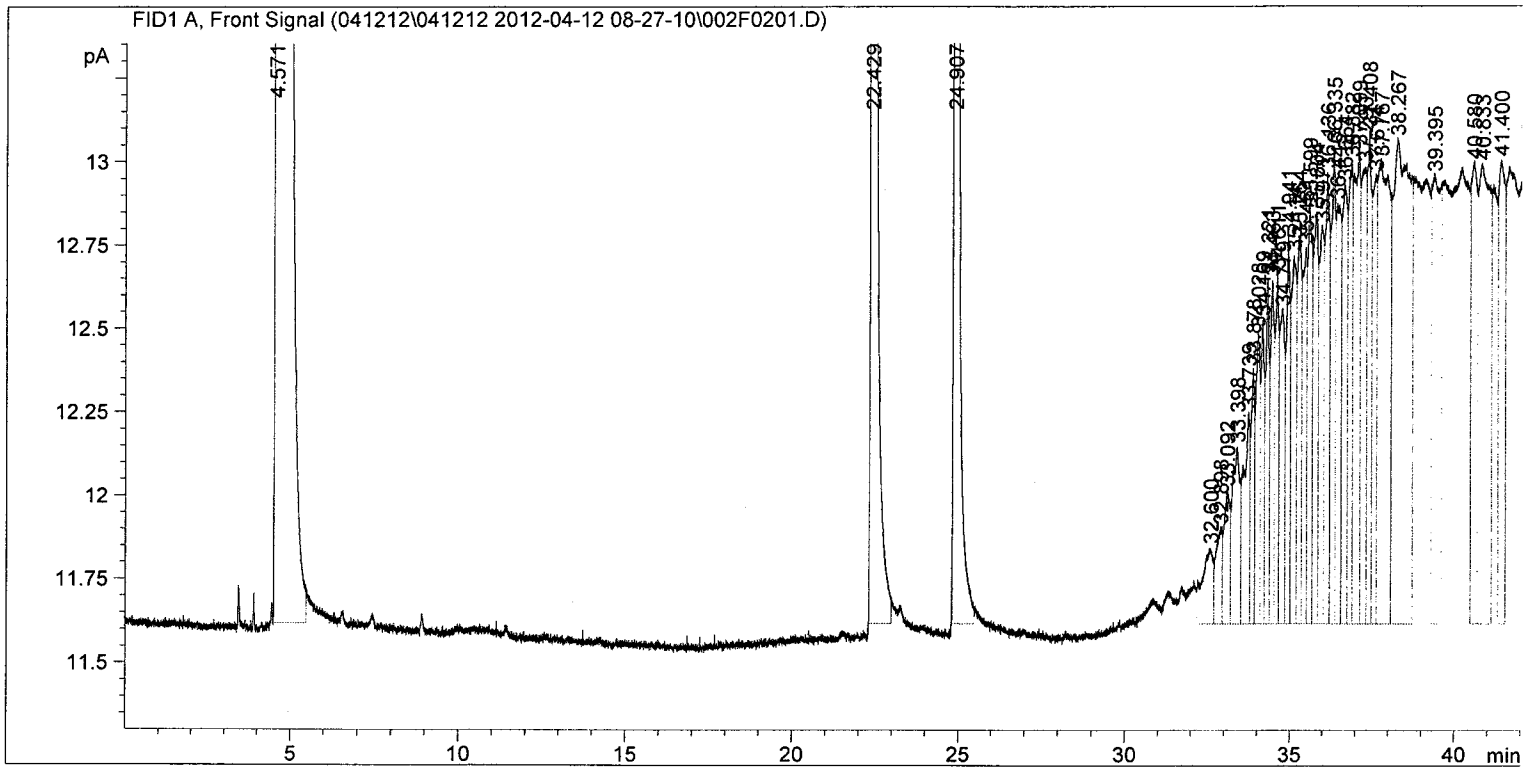
Totals : 411.17029 14.6212

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\002F0201.D
Sample Name: BLK0412

==========

Acq. Operator	: LEW	Seq. Line :	2
Acq. Instrument	: 332	Location :	Vial 2
Injection Date	: 4/12/2012 9:28:28 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.445			-	-	-		2-Methylpentane
22.429	HH	I	224.30940	2.23139e-1	50.05213		fluorobenzene
24.907	HH	+	160.09344	3.08071e-1	49.32016		@@@
34.028	HH		7.96656	5.03641e-1	4.01229		1,2,4-Trimethylbenzene

Totals : 103.38458

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205361-BLK1 File ID: 003F0301.D

Prepared: 04/27/12 08:00 Analyzed: 04/27/12 09:09

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

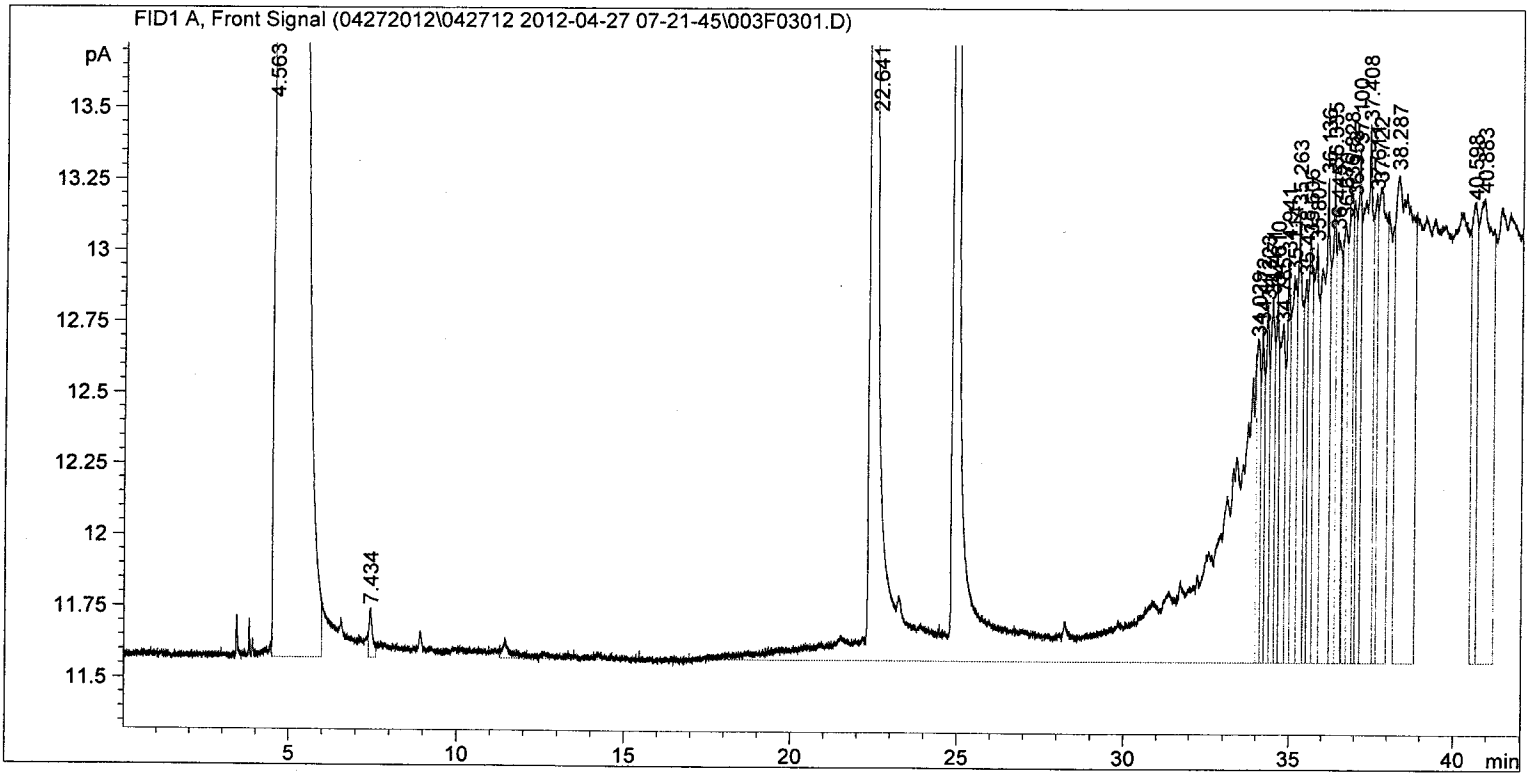
QC Batch: 1205361 Sequence: 2D30020 Calibration: 2D30006 Instrument: 332

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	47.9	96	71 - 134	

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\003F0301.D
Sample Name: BLK0427

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 4/27/2012 9:09:36 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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	: 4/27/2012 10:40:31 AM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



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

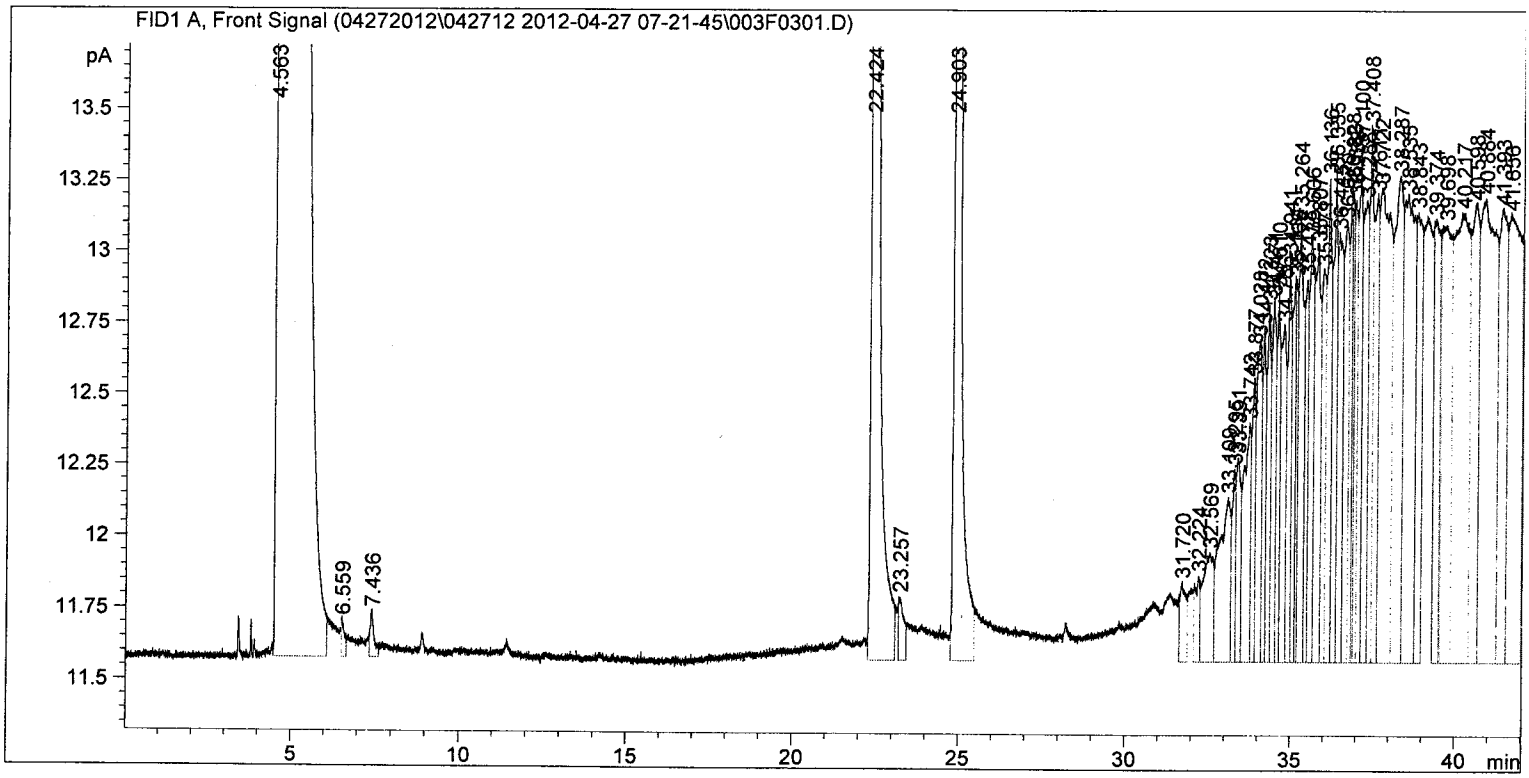
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.1980	814.54620	10.66348	
Totals :				814.54620	10.6635	

2 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\003F0301.D
Sample Name: BLK0427

==========

Acq. Operator : LEW
Seq. Line : 3
Acq. Instrument : 332
Location : Vial 3
Injection Date : 4/27/2012 9:09:36 AM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.438		-	-	-		2-Methylpentane
22.424	HH I	411.28836	1.14861e-1	47.24095		fluorobenzene
24.903	HH +	263.97299	1.81469e-1	47.90293		@@@
34.028	HH	11.96809	3.02296e-1	3.61790		1,2,4-Trimethylbenzene

Totals : 98.76179

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM040512
Project: KNM
Laboratory ID: 1204606-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1204606
Sequence: 2D16024

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	388	97	75 - 122	ug/L

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

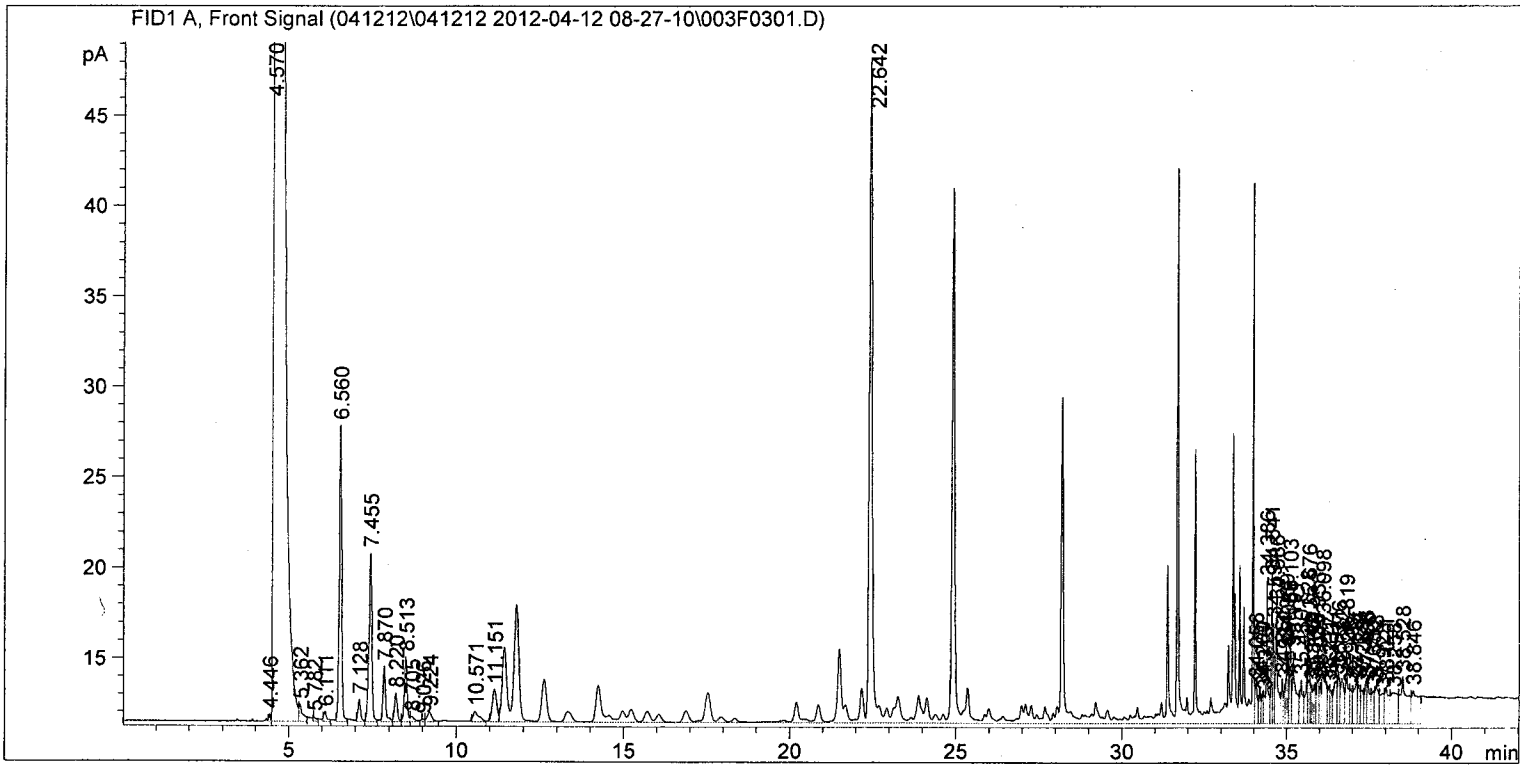
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\003F0301.D
Sample Name: CCV0412A

==========

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 4/12/2012 10:15:27 AM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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

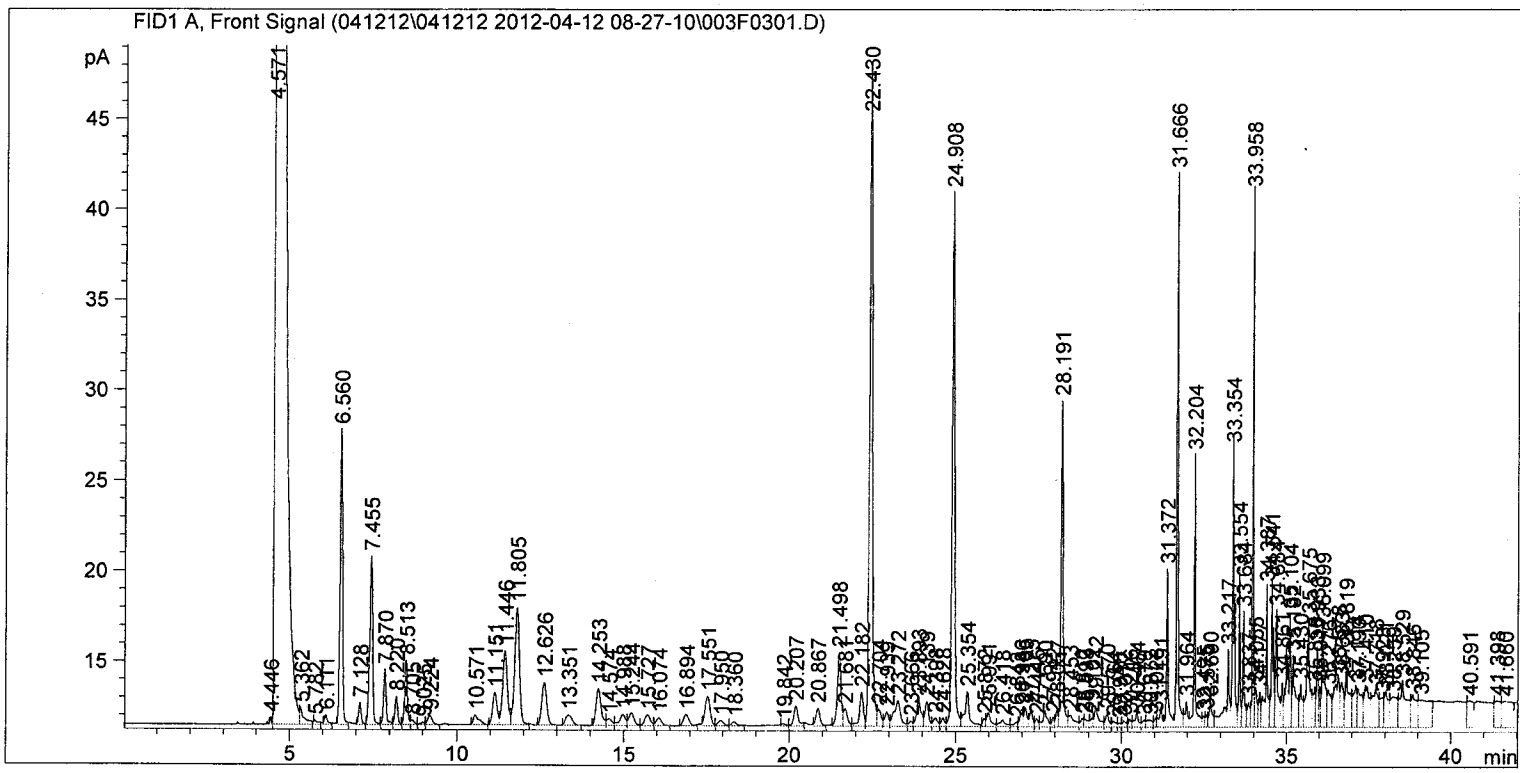
Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.642	HHA+	0.6464	1421.39990	17.31092	
Totals :				1421.39990	17.3109	

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\003F0301.D
Sample Name: CCV0412A

==========

Acq. Operator	: LEW	Seq. Line :	3
Acq. Instrument	: 332	Location :	Vial 3
Injection Date	: 4/12/2012 10:15:27 AM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.446	HH		40.93900	4.83730e-1	19.80344		2-Methylpentane
22.430	HH	I	222.66052	2.23139e-1	49.68420		fluorobenzene
24.908	HH	+	165.80869	3.08071e-1	51.08086		@@@
33.958	HH		65.52495	5.03641e-1	33.00108		1,2,4-Trimethylbenzene

Totals : 153.56958

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM040512
Project: KNM
Laboratory ID: 1204606-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1204606
Sequence: 2D16024

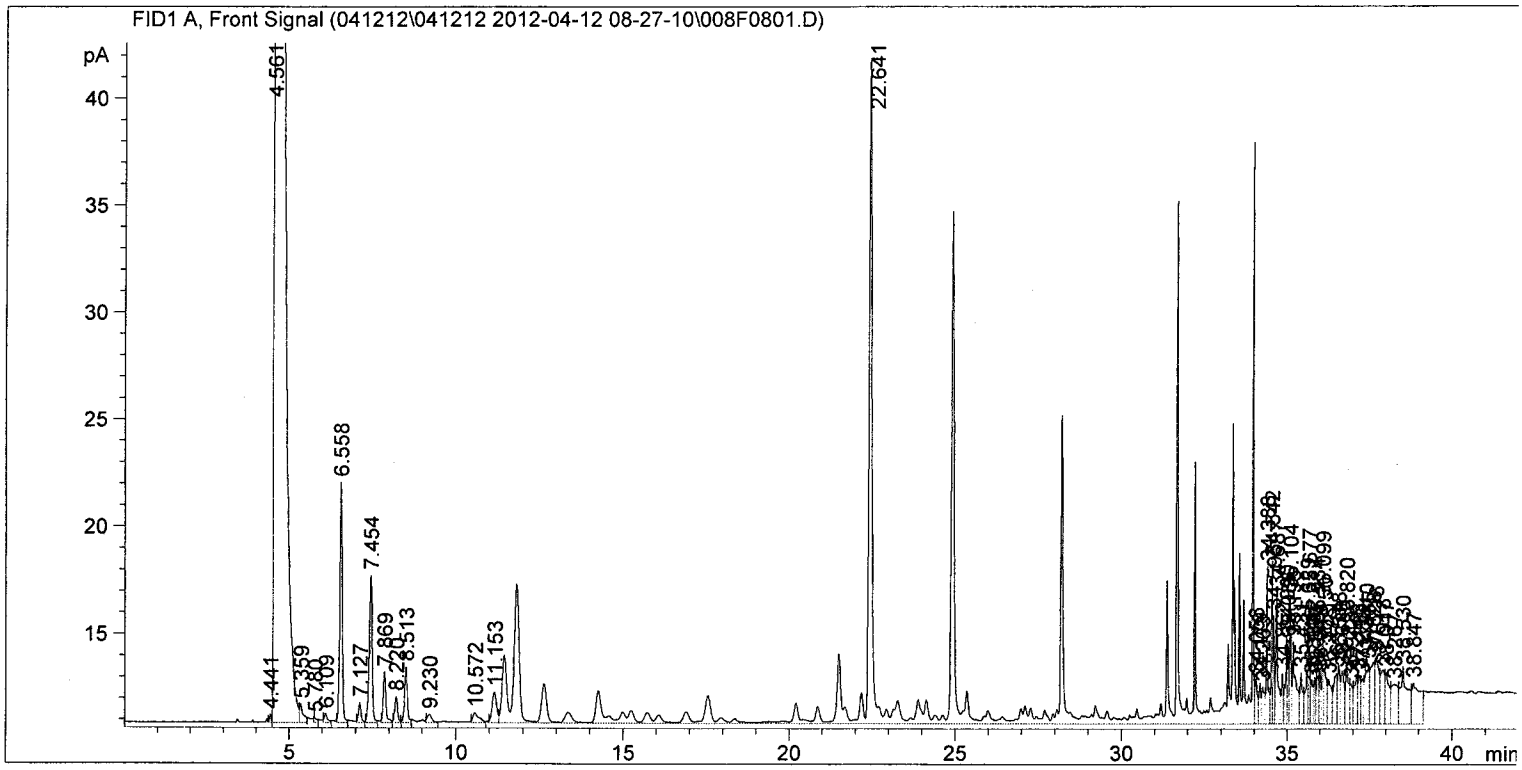
Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	328	82	17	20	75 - 122	ug/L

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

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\008F0801.D
Sample Name: CCV0412B

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/12/2012 2:35:49 PM	Inj :	1
		Inj Volume :	Manually
Acq. Method	: C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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+	0.6578	1218.94421	16.39328	
Totals :				1218.94421	16.3933	

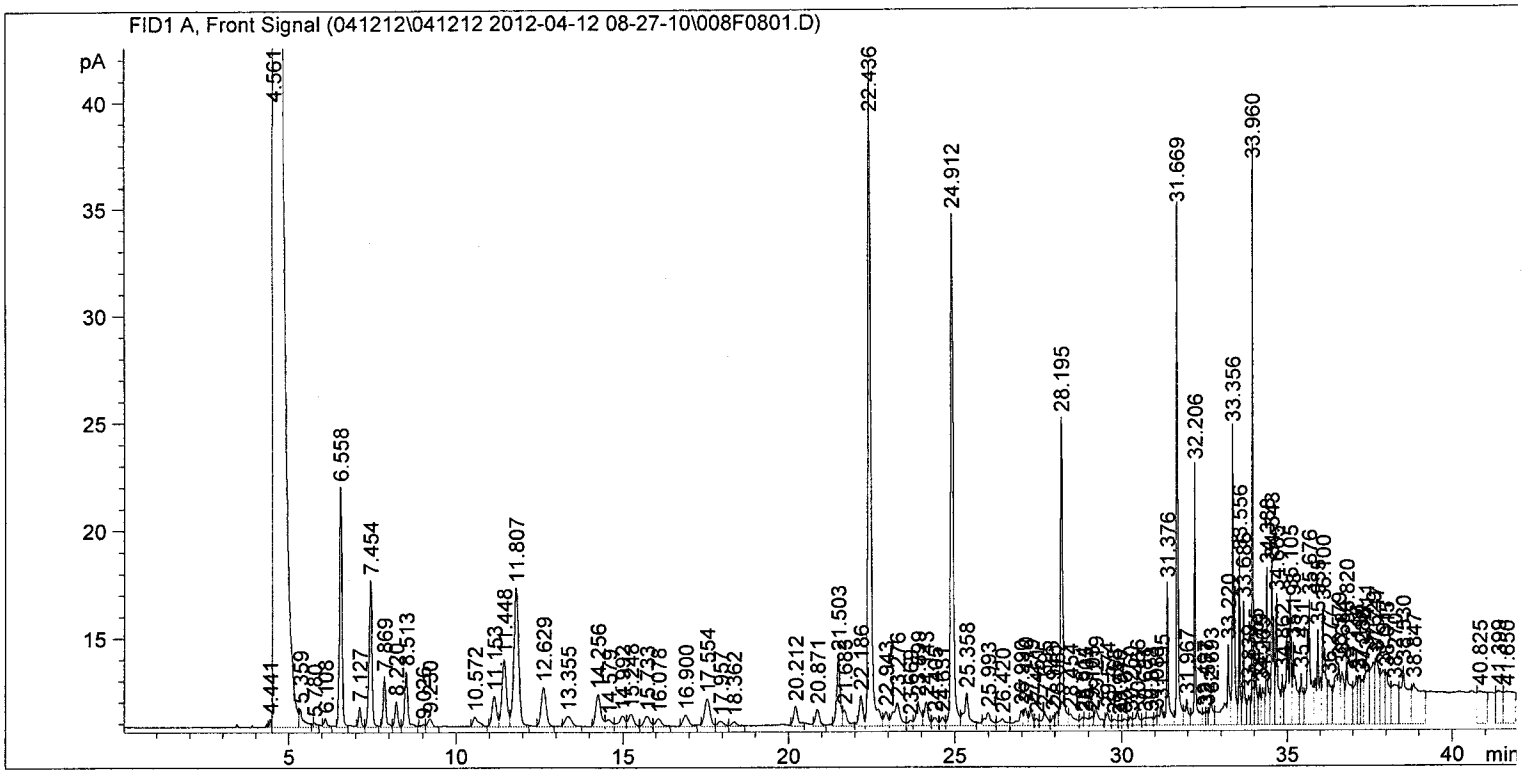
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\008F0801.D
Sample Name: CCV0412B

==========

Acq. Operator	: LEW	Seq. Line :	8
Acq. Instrument	: 332	Location :	Vial 8
Injection Date	: 4/12/2012 2:35:49 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\041212\041212 2012-04-12 08-27-10\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
11.448	HH		31.26925	4.83730e-1	15.12589		2-Methylpentane
22.436	HH	I	195.29297	2.23139e-1	43.57743		fluorobenzene
24.912	HH	+	135.03403	3.08071e-1	41.60008		@@@
33.960	HH		59.92574	5.03641e-1	30.18108		1,2,4-Trimethylbenzene

Totals : 130.48449

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM040512
Project: KNM
Laboratory ID: 1205361-BS1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1205361
Sequence: 2D30020

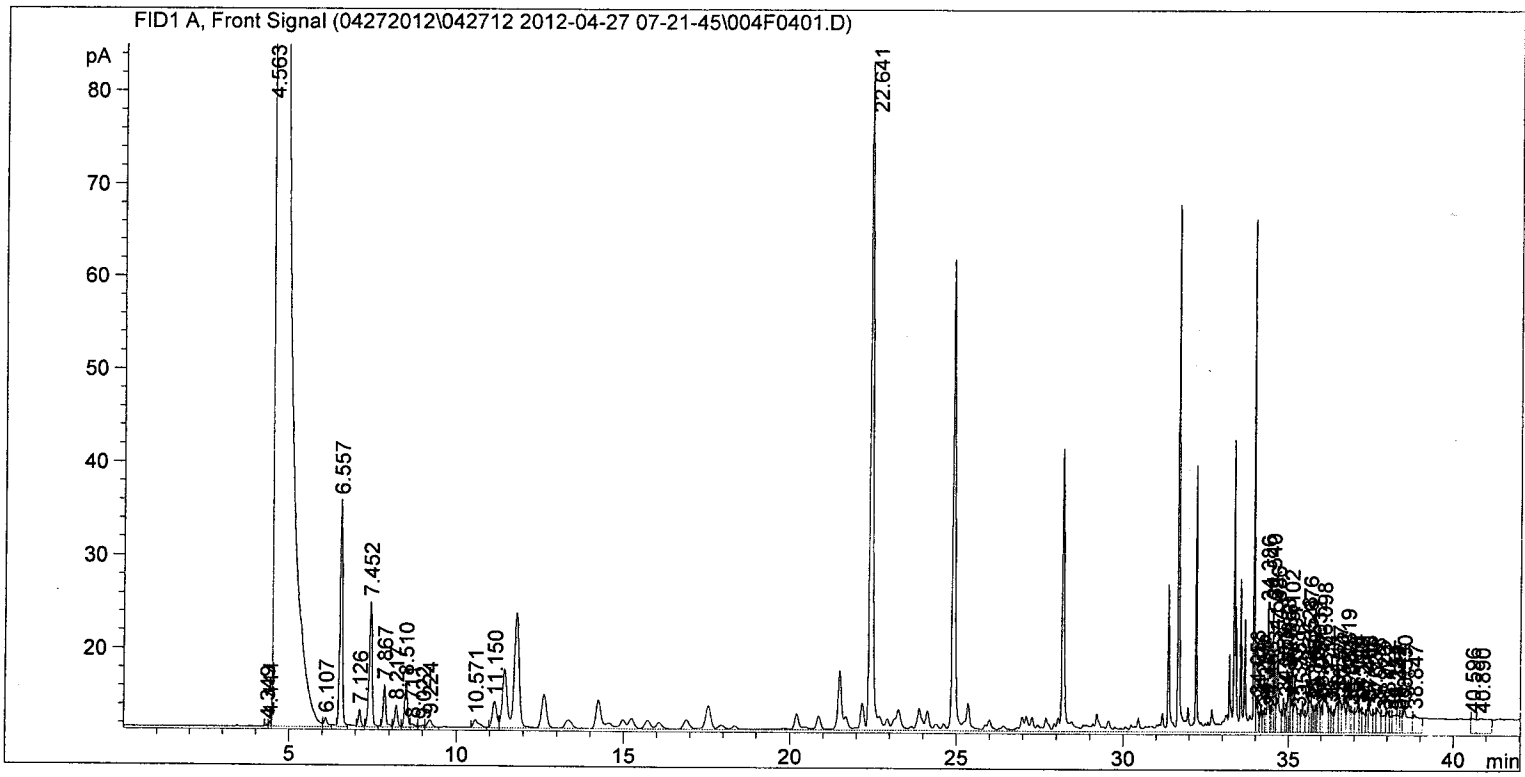
Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	409	102	75 - 122	ug/L

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

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\004F0401.D
Sample Name: CCV0427A

Acq. Operator	: LEW	Seq. Line	: 4
Acq. Instrument	: 332	Location	: Vial 4
Injection Date	: 4/27/2012 9:56:32 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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	: 4/27/2012 10:40:31 AM by LEW		
Method Info	: NEW REPORT FORMAT USED TO REDUCE PAPER WASTE.		



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

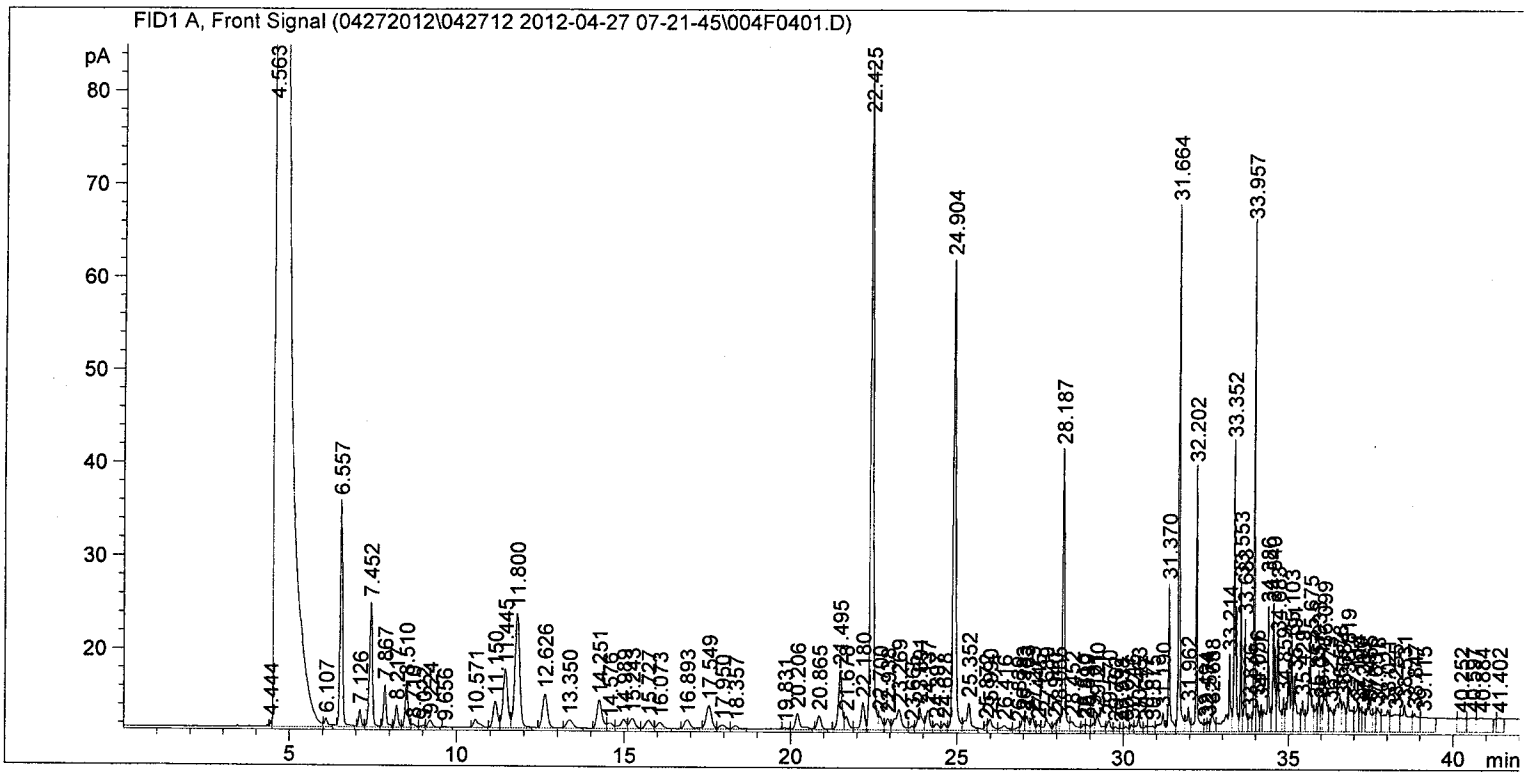
Signal 1: FID1 A, Front Signal

Peak #	RetTime [min]	Type	Width [min]	Area [pA*s]	Area %	Name
1	22.641	HHA+	0.5613	2414.90381	13.05934	
Totals :				2414.90381	13.0593	

1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\004F0401.D
Sample Name: CCV0427A

Acq. Operator	: LEW	Seq. Line	: 4
Acq. Instrument	: 332	Location	: Vial 4
Injection Date	: 4/27/2012 9:56:32 AM	Inj	: 1
		Inj Volume	: Manually
Acq. Method	: C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.445	HH		61.92282	3.49422e-1	21.63717		2-Methylpentane
22.425	HH	I	429.06439	1.14861e-1	49.28272		fluorobenzene
24.904	HH	+	279.37091	1.81469e-1	50.69718		@@@
33.957	HH		116.31122	3.02296e-1	35.16039		1,2,4-Trimethylbenzene

Totals : 156.77746

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM040512
Project: KNM
Laboratory ID: 1205361-BSD1
Preparation: 5030B Aqueous Purge & Trap
Initial/Final: 5 mL / 5 mL

QC Batch: 1205361
Sequence: 2D30020

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
GRO - 8015 (C6-C10)	400	420	105	3	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\04272012A\042712A 2012-04-27 14-21-51\001F0101.D
Sample Name: CCV0427BB

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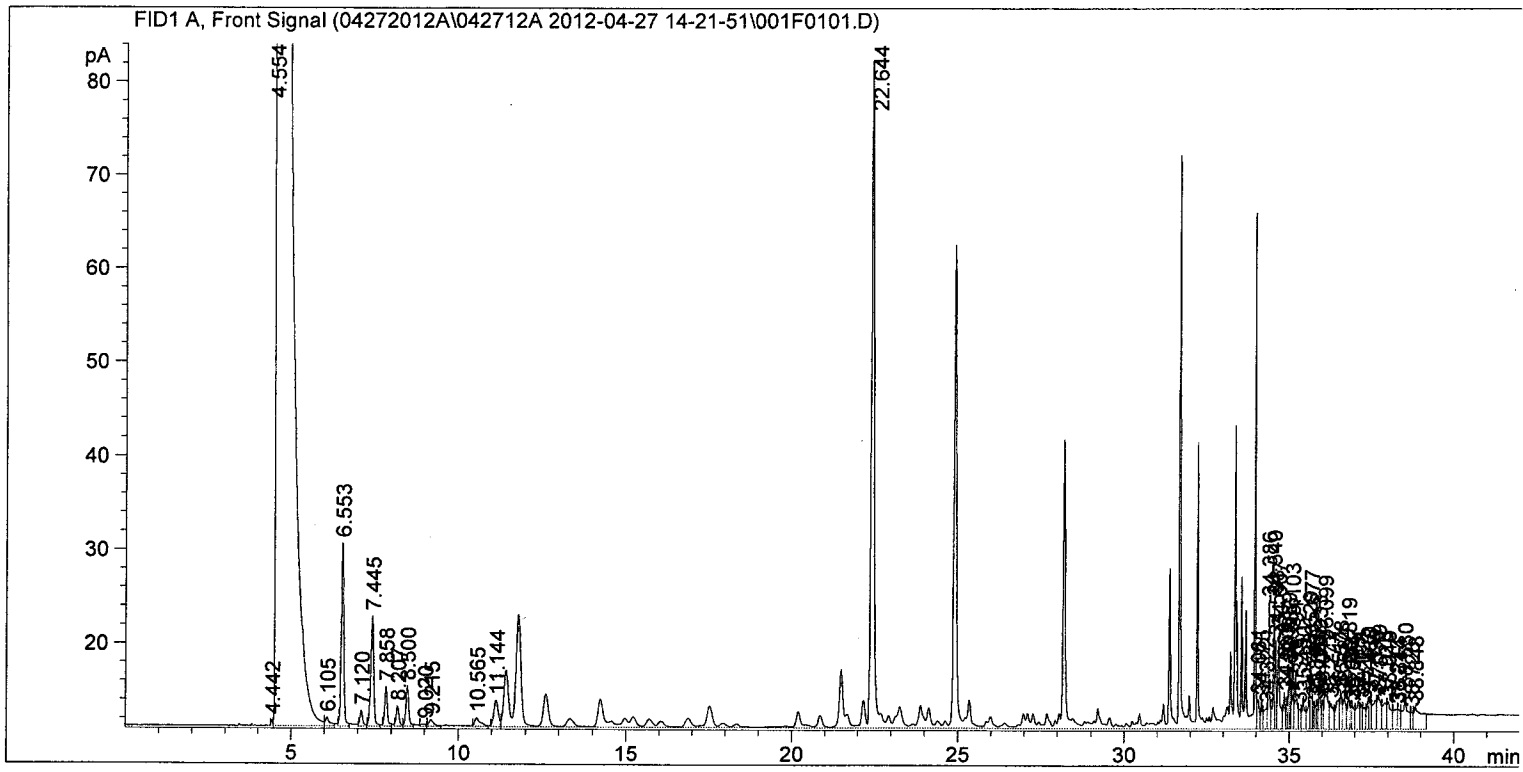
Acq. Operator	: LEW	Seq. Line :	1
Acq. Instrument	: 332	Location :	Vial 1
Injection Date	: 4/27/2012 2:34:27 PM	Inj :	1
		Inj Volume :	Manually

Acq. Method : C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\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 : 4/27/2012 10:40:31 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 : 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+	0.5767	2463.43115	11.44962	

Totals : 2463.43115 11.4496

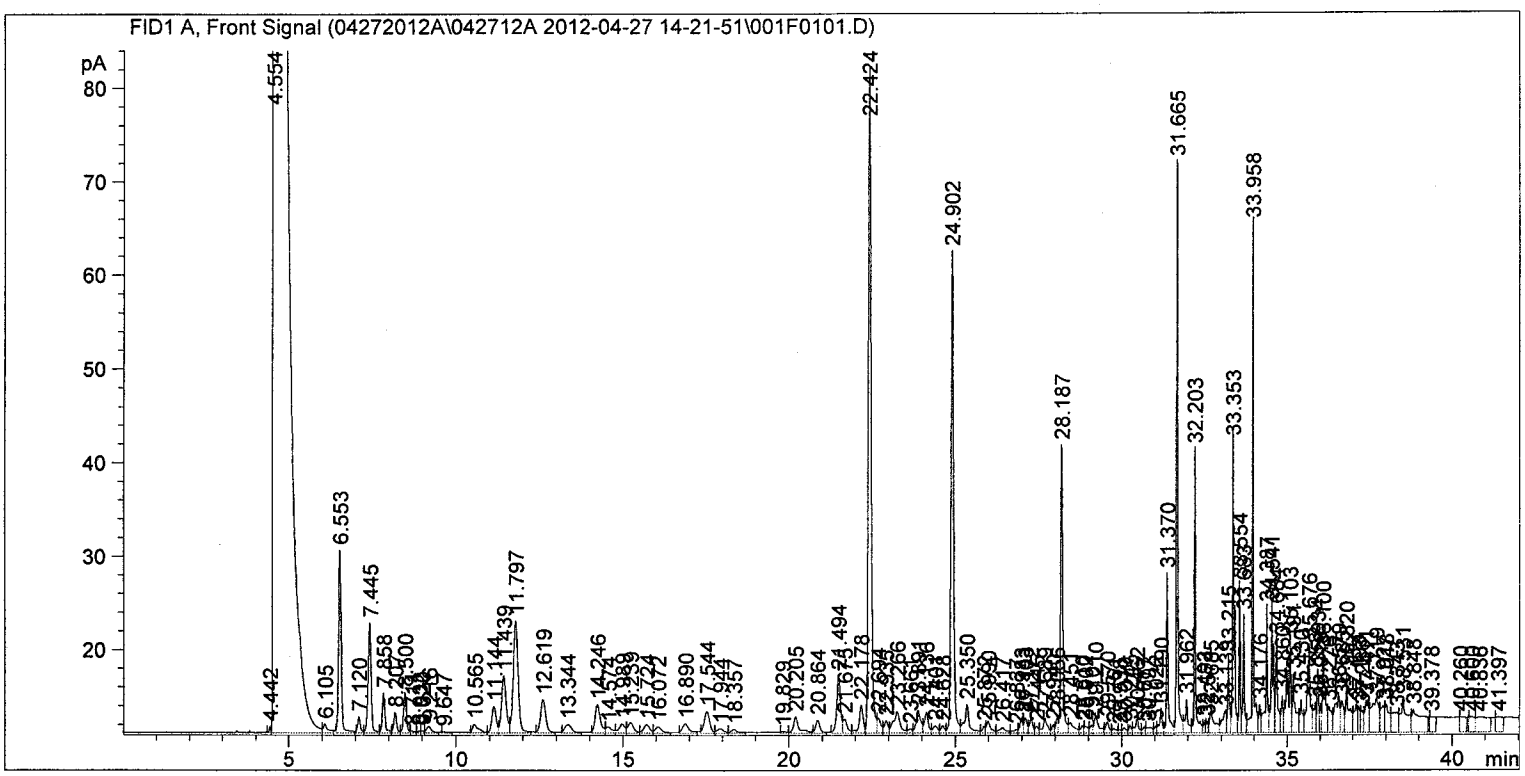
1 Warnings or Errors :

Data File C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\001F0101.D
Sample Name: CCV0427BB

==========

Acq. Operator	: LEW	Seq. Line	: 1
Acq. Instrument	: 332	Location	: Vial 1
Injection Date	: 4/27/2012 2:34:27 PM	Inj	: 1
		Inj Volume	: Manually

Acq. Method : C:\CHEM32\1\DATA\04272012A\042712A 2012-04-27 14-21-51\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
11.439	HH		59.70791	3.49422e-1	20.86323		2-Methylpentane
22.424	HH	I	428.22852	1.14861e-1	49.18671		fluorobenzene
24.902	HH	+	283.77264	1.81469e-1	51.49596		@@@
33.958	HH		142.18959	3.02296e-1	42.98331		1,2,4-Trimethylbenzene

Totals : 164.52921

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1204606

Printed: 4/16/2012 10:28:11AM

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
2040293	87 Octane WKG	MEOH Lot #K14E06	1

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1204091	GRO 8015B (master list)	1204205	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*
1204606-BLK1		Apr-12-12 08:00	LEW	5	5	1				BLANK	
1204606-BS1		Apr-12-12 08:00	LEW	5	5	1		2040293	2	LCS	
1204606-BSD1		Apr-12-12 08:00	LEW	5	5	1		2040293	2	LCS DUP	
1204091-01	E	Apr-12-12 08:00	LEW	5	5	1				TechLaw	C6-10
1204205-01	D	Apr-12-12 08:00	LEW	5	5	1				TechLaw	C6-10
1204205-02	D	Apr-12-12 08:00	LEW	5	5	1				TechLaw	C6-10

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205361

Printed: 4/30/2012 10:02:10AM

Volatiles GC, Water, 5030B Aqueous Purge & Trap

Surrogate #1 = 2030445 (Static)

Batch Comments: (none)

00418

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
1204329	GRO 8015B (master list)	1204454	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*
1205361-BLK1		Apr-27-12 08:00	LEW	5	5	1				BLANK	
1205361-BS1		Apr-27-12 08:00	LEW	5	5	1		2041186	2	LCS	
1205361-BSD1		Apr-27-12 08:00	LEW	5	5	1		2041186	2	LCS DUP	
1204329-01	D	Apr-27-12 08:00	LEW	5	5	1				TechLaw	C6-10
1204454-01	D	Apr-27-12 08:00	LEW	5	5	1				TechLaw	C6-10
1204454-02	D	Apr-27-12 08:00	LEW	5	5	1				TechLaw	C6-10

Comments:	Analyst Initials:

Volatiles GC, Water, Apr-12-12

Instrument = 332, Calibration = 2D16005

Sequence Analyses:
GRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1204606-BLK1	QC			2040286	BLANK	
2D16024-CCV1	QC		2040688	2040286	CALIBRATION CHECK	
1204606-BS1	QC			2040286	LCS	
1204205-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1204205-02	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1204091-01	GRO 8015B (master list)	E		2040286	TechLaw	C6-10
1204606-BSD1	QC			2040286	LCS DUP	
2D16024-CCV2	QC		2040688	2040286	CALIBRATION CHECK	

Comments:	Analyst Initials:

Volatiles GC, Water, Apr-27-12

Instrument = 332, Calibration = 2D30006

Sequence Analyses:
GRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
1205361-BLK1	QC			2040286	BLANK	
2D30020-CCV1	QC		2041376	2040286	CALIBRATION CHECK	
1205361-BS1	QC			2040286	LCS	
1204329-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1204454-01	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1204454-02	GRO 8015B (master list)	D		2040286	TechLaw	C6-10
1205361-BSD1	QC			2040286	LCS DUP	
2D30020-CCV2	QC		2041376	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		

00121

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 # C090183	Sequence No:	

Date	Analyst	Method	Standard Prep uL Used	Standard Prep Final Vol. (mL)	Comments	pH <2	Acqn Time	Client	Sample ID	Dilution	Seq
4-27-12	LEW	~~8260B~~ 8015C	LEW 4-30-12				735	QC	EPA RTSTD		
									R		
							909		BLK0427		
			20	50			956		CCV0427A		
						✓	1105	Tech Law	1204329-01		
						✓	1152		1204454-01		
						✓	1239		⊥ -02		
			20	50			1327	QC	CCV0427B		
4-27-12	LEW	8015C	20	50			1431	⊥	CCV0427BB		

22166

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:	4-11-12
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:	2040293
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	GRO-WTR	LCS Std:	2040692
		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
4-11-12	LEW	8015C					1247	QC	EPA RT STD		
			5	50			1544		100p0411		
			10				1632		200p0411		
			20				1719		400p0411		
			30				1806		600p0411		
			40				1853		800p0411		
			50				1940		1000p0411		
4-11-12	LEW	8015C	5	50			2114		SCV0411		

LEW

02409

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:	4-11-12
Column Installation Date:	10/1/2010	FID Temperature:	300° C	Step #2	6.5° C/minute to 110° C	IS/SS Std.:	2020377
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:	2040293
Injector Temperature:	180° C	Air Flow:	400 ml/min	Step #4	EPA GRD-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
4-12-12	LEW	8015C					740	QC	EPA RSTD		
							928		BLK0412		
			10	50			1015	LEW 4/16/12	CCV0412A		
					rr - surr failed ↓	✓	~~1315~~ 1415	Tech Law	1204091-01		
						✓	1202		1204205-01		
						✓	1250		1 -02		
						✓	1337		1204091-01A		
4-12-12	LEW	8015C	10	50			1435	QC	CCV0412B		

LEW

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #: 332 **Date:** 4/11/12

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	11.61
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.908	24.88	to	24.94

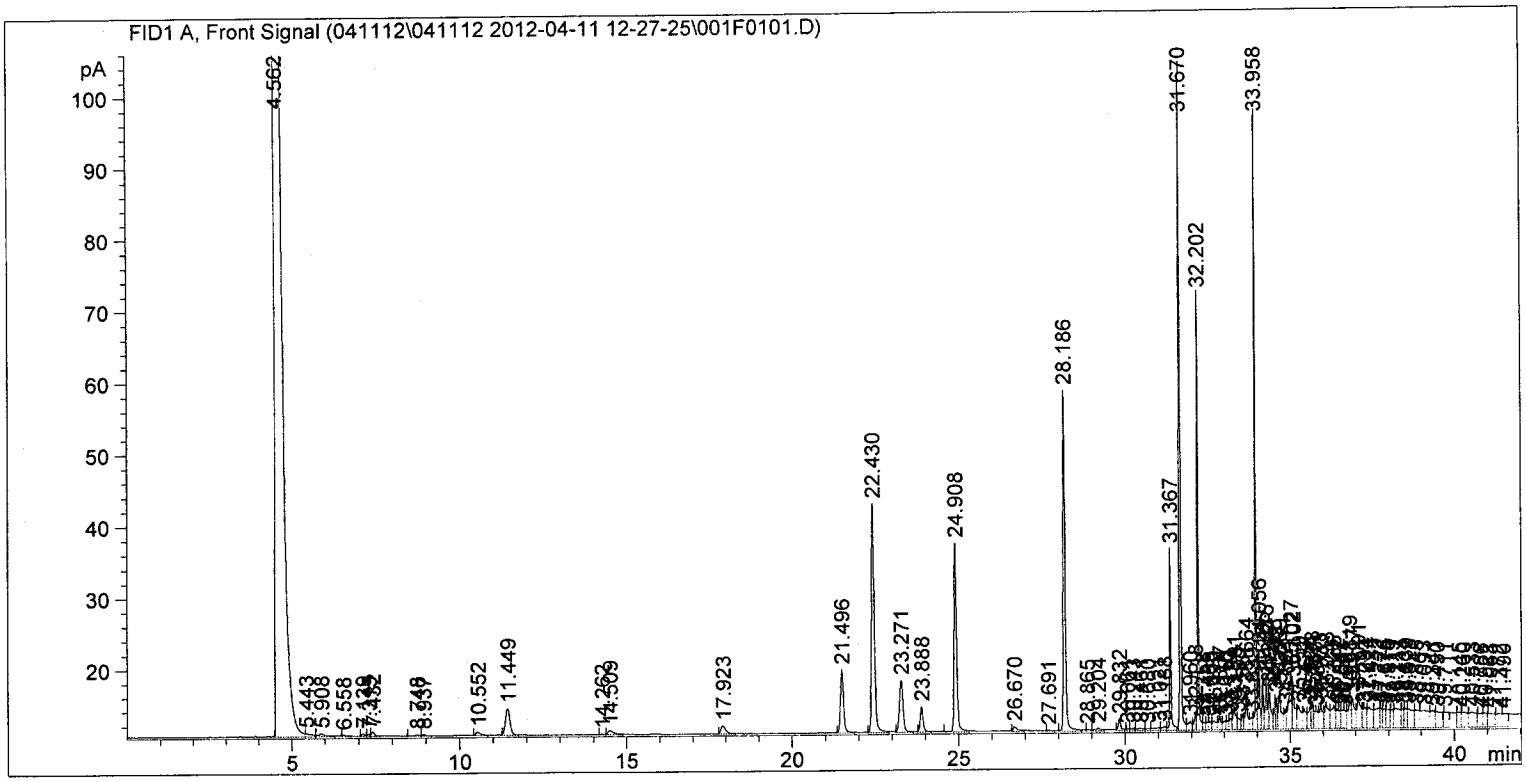
Data File C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\001F0101.D
Sample Name: EPA RT STD

==========

Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 4/11/2012 12:47:03 PM

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

Acq. Method : C:\CHEM32\1\DATA\041112\041112 2012-04-11 12-27-25\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
11.449	HH		35.52921	4.83730e-1	17.18656		2-Methylpentane
22.430	HH	I	193.46730	2.23139e-1	43.17006		fluorobenzene
24.908	HH	+	145.96931	3.08071e-1	44.96893		@@@
33.958	HH		176.89554	5.03641e-1	89.09192		1,2,4-Trimethylbenzene

Totals : 194.41746

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

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

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	24.907	24.88	to	24.94

Data File C:\CHEM32\1\DATA\12202010\TEST1000109.D

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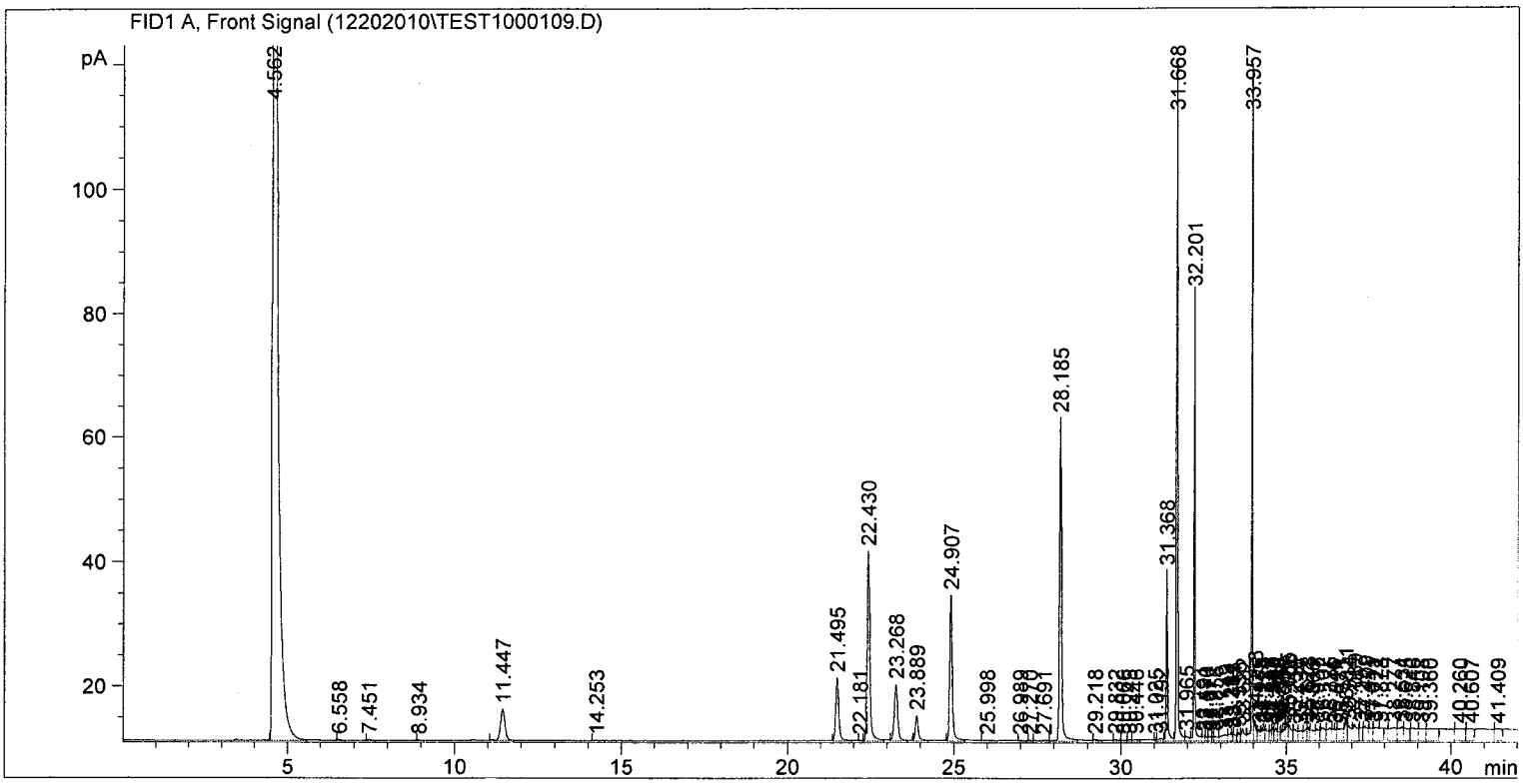
Acq. Operator : LEW
Acq. Instrument : 332 Location : Vial 1
Injection Date : 4/12/2012 7:40:26 AM
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\METHODS\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
Last changed : 4/12/2012 7:26:55 AM by 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
11.447	HH		48.49407	4.83730e-1	23.45806		2-Methylpentane
22.430	HH	I	187.35831	2.23139e-1	41.80690		fluorobenzene
24.907	HH	+	132.08015	3.08071e-1	40.69008		@@@
33.957	HH		221.53990	5.03641e-1	111.57666		1,2,4-Trimethylbenzene

Totals : 217.53171

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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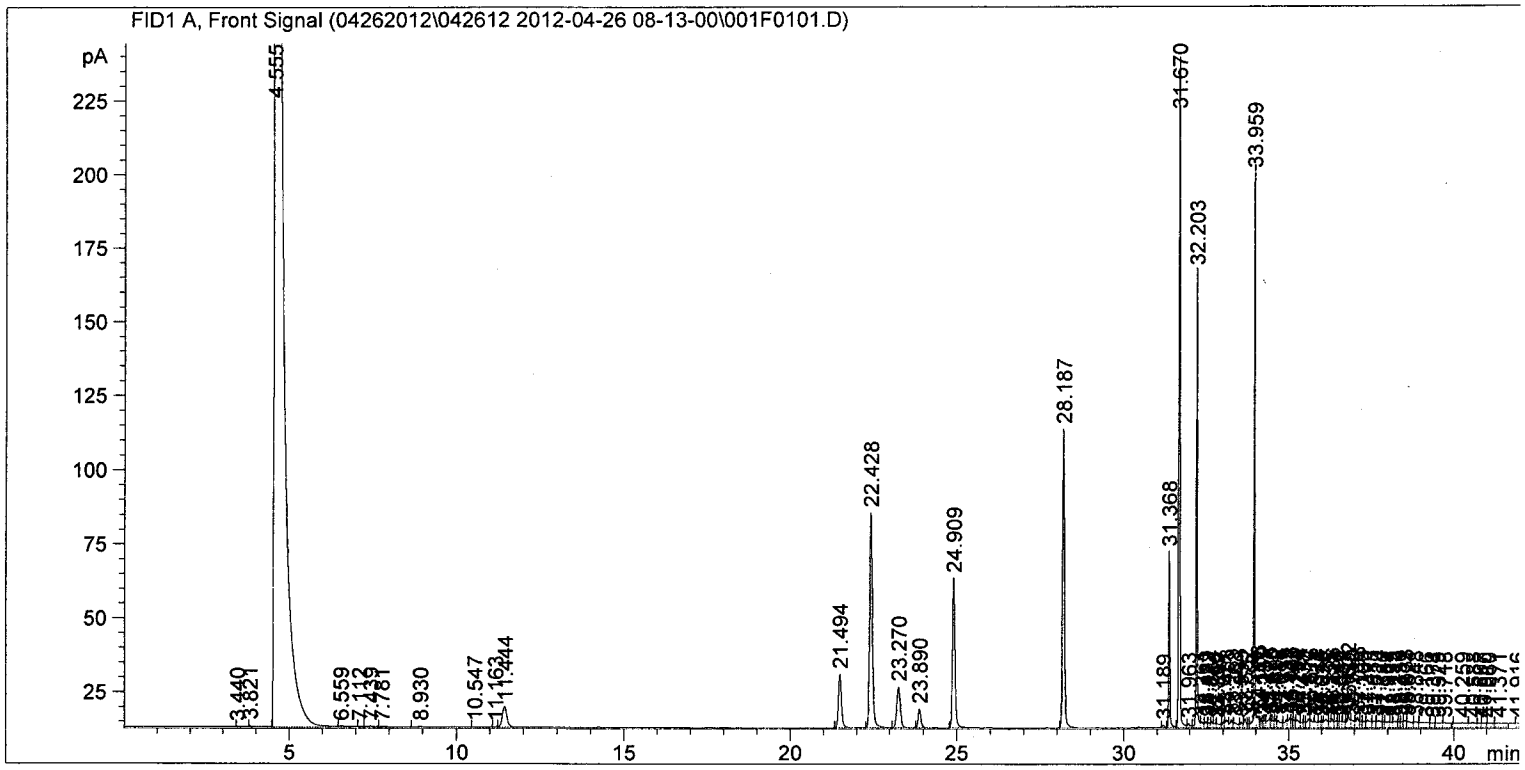
Acq. Operator : LEW
Seq. Line : 1
Acq. Instrument : 332
Location : Vial 1
Injection Date : 4/26/2012 8:29:15 AM
Inj : 1
Inj Volume : Manually
Acq. Method : C:\CHEM32\1\DATA\04262012\042612 2012-04-26 08-13-00\140_GC.M
Last changed : 12/13/2010 9:38:17 AM by LEW
Analysis Method : C:\CHEM32\1\METHODS\EPA_GRO_041112.M
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:** 4/27/12

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	11.60
1,2,4-Trimethylbenzene	33.96	33.93	to	33.99
aaa-Trifluorotoluene-Surr	24.901	24.87	to	24.93

Data File C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\001F0101.D
Sample Name: EPA RT STD

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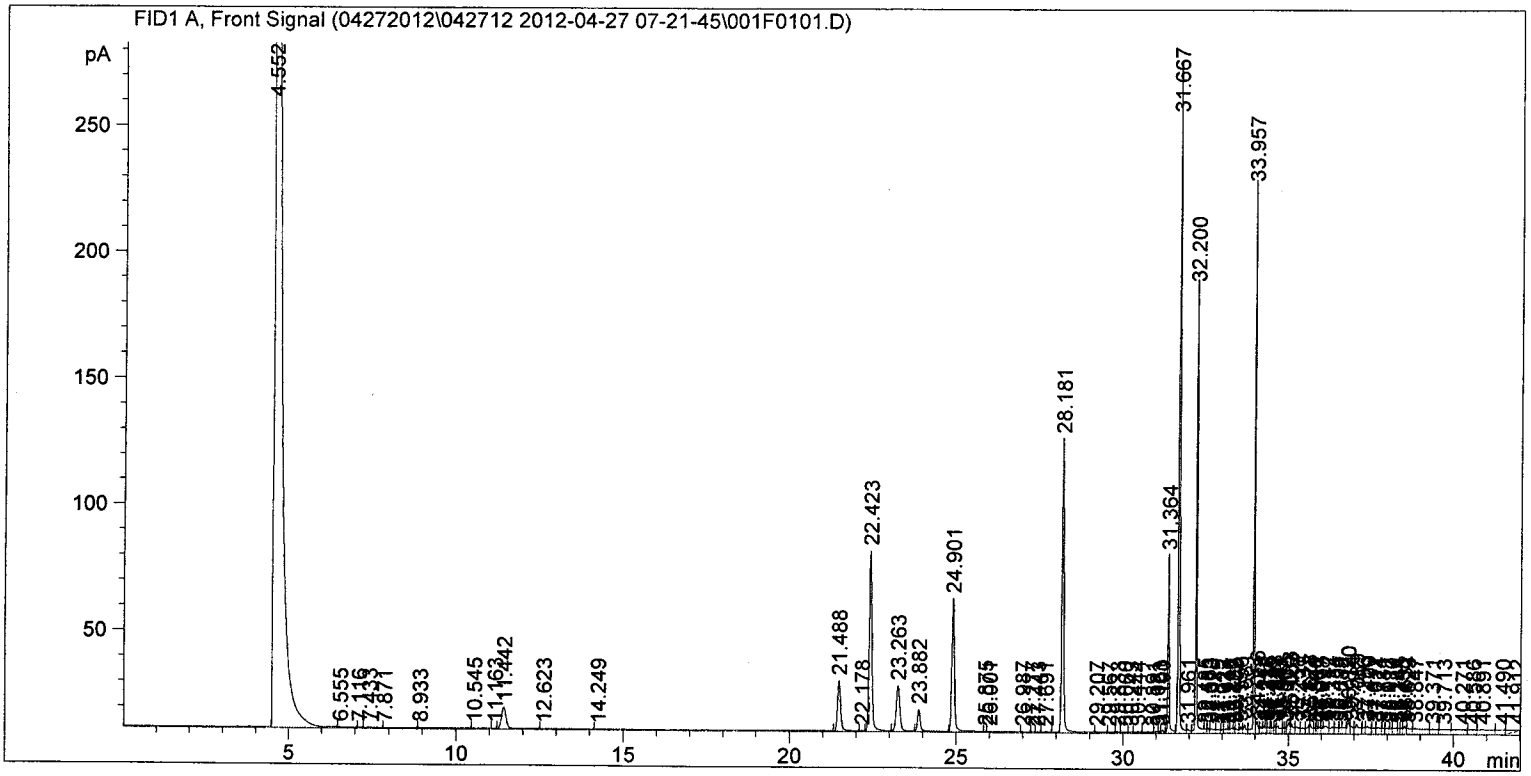
Acq. Operator : LEW
Acq. Instrument : 332
Injection Date : 4/27/2012 7:35:45 AM

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

Acq. Method : C:\CHEM32\1\DATA\04272012\042712 2012-04-27 07-21-45\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
11.442	HH		79.56988	3.49422e-1	27.80343		2-Methylpentane
22.423	HH	I	423.56003	1.14861e-1	48.65048		fluorobenzene
24.901	HH	+	285.76294	1.81469e-1	51.85714		@@@
33.957	HH		431.96890	3.02296e-1	130.58236		1,2,4-Trimethylbenzene

Totals : 258.89341

GRO Calcuator
INITIAL_CALIBRATION_avg

TriMatrix Laboratories, Inc.

Curve name: **WTR11EPA**
Curve Date: 04/11/12
Mean Calibration Factor: 2.74
%RSD: 10.33

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

2D16005

00133

> = 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	609.21265	184.25537	121.71751	303.24	3.03		110.8	111
200ppb	Y	200	1030.02185	232.97928	165.33931	631.70	3.16		230.8	115
400ppb	Y	400	1442.94727	232.34007	172.99252	1037.61	2.59		379.1	95
600ppb	Y	600	1938.2056	223.14496	161.71658	1553.34	2.59		567.5	95
800ppb	Y	800	2453.62207	233.87149	174.70177	2045.05	2.56		747.2	93
1000ppb	Y	1000	2907.57471	237.86365	177.3335	2492.38	2.49		910.6	91

TriMatrix Laboratories, Inc.

April 11, 2012

Curve name: **WTR11EPA**
Curve Date: 04/11/12
Mean Calibration Factor: 2.74
%RSD: 10.33 **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	1841.21533	220.19241	167.79169	1453.23		562.0	1	1.00	562		102

TriMatrix Laboratories, Inc.

April 12, 2012

Curve name: **WTR11EPA**
Curve Date: 04/11/12
Mean Calibration Factor: 2.74
%RSD: 10.33 **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
BLK0412		W	411.17029	224.3094	160.09344	26.77		-29.9	1	1.00	-30		#VALUE!
CCV0412A	400	W	1421.3999	222.66052	165.80869	1032.93		387.6	1	1.00	388		97
1204091-01		W	540.27314	166.91985	109.5049	263.85		68.5	1	1.00	69		
1204205-01		W	900.05103	224.01631	182.53807	493.50		163.8	1	1.00	164		
1204205-02		W	540.59381	222.0806	166.77432	151.74		22.0	1	1.00	22		
1204091-01A		W	533.3651	222.47948	168.21439	142.67		18.2	1	1.00	18		
CCV0421B	400	W	1218.94421	195.29297	135.03403	888.62		327.8	1	1.00	328		82

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

93456

> = 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.

April 27, 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
BLK0427		W	814.5462	411.28836	263.97299	139.28		1.7	1	1.00	2		#VALUE!
CCV0427A	400	W	2414.90381	429.06439	279.37091	1706.47		408.7	1	1.00	409		102
1204329-01		W	874.4599	434.19839	269.63742	170.62		9.8	1	1.00	10		
1204454-01		W	776.07147	409.8244	265.7408	100.51		-8.4	1	1.00	-8		
1204454-02		W	826.79907	417.87097	274.93015	134.00		0.3	1	1.00	0		
CCV0427B	400	W	3367.19092	640.10468	471.3721	2255.71		551.3	1	1.00	551		138
CCV0427BB	400	W	2463.43115	428.22852	283.77261	1751.43		420.3	1	1.00	420		105