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

Extractable 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 because client specific matrix QC was not requested. An LCS and LCSD were analyzed as the measure of batch precision and accuracy.

Analysis: USEPA-8015C

Sample/Analyte:

1205226-01 106091
1205226-02 106191
1205358-01 1060SL
1205374-01 106RCT

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050712

USEPA-8015C

SAMPLE ID SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E16032

SDG: KNM050712
Project: KNM
Calibration: 2D12010
Instrument: 333

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E16032-CCV1	MAY160000008.D	05/16/12 09:56
Blank	1206140-BLK1	MAY160000009.D	05/16/12 10:03
LCS	1206140-BS1	MAY160000010.D	05/16/12 10:10
LCS Dup	1206140-BSD1	MAY160000011.D	05/16/12 10:17
106091	1205226-01	MAY160000012.D	05/16/12 10:24
106191	1205226-02	MAY160000013.D	05/16/12 10:31
Calibration Check	2E16032-CCV2	MAY160000014.D	05/16/12 10:38

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E16032

SDG: KNM050712
Project: KNM
Calibration: 2D12010
Instrument: 333

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2E16032-CCV1)		**Lab File ID: MAY16000000Analyzed: 05/16/12 09:56**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	104	85 - 115	
Blank (1206140-BLK1)		**Lab File ID: MAY16000000Analyzed: 05/16/12 10:03**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	100	45 - 136	
LCS (1206140-BS1)		**Lab File ID: MAY16000001Analyzed: 05/16/12 10:10**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	97	45 - 136	
LCS Dup (1206140-BSD1)		**Lab File ID: MAY16000001Analyzed: 05/16/12 10:17**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	95	45 - 136	
106091 (1205226-01)		**Lab File ID: MAY16000001Analyzed: 05/16/12 10:24**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	109	45 - 136	
106191 (1205226-02)		**Lab File ID: MAY16000001Analyzed: 05/16/12 10:31**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	105	45 - 136	
Calibration Check (2E16032-CCV2)		**Lab File ID: MAY16000001Analyzed: 05/16/12 10:38**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	109	85 - 115	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E21070

SDG: KNM050712
Project: KNM
Calibration: 2D12010
Instrument: 333

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E21070-CCV1	MAY210000008.D	05/21/12 12:52
Blank	1206396-BLK1	MAY210000010.D	05/21/12 13:06
LCS	1206396-BS1	MAY210000011.D	05/21/12 13:13
LCS Dup	1206396-BSD1	MAY210000012.D	05/21/12 13:20
1060SL	1205358-01	MAY210000015.D	05/21/12 13:41
Calibration Check	2E21070-CCV2	MAY210000018.D	05/21/12 14:02

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E21070

SDG: KNM050712
Project: KNM
Calibration: 2D12010
Instrument: 333

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2E21070-CCV1)		**Lab File ID: MAY21000000Analyzed: 05/21/12 12:52**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	97	85 - 115	
Blank (1206396-BLK1)		**Lab File ID: MAY21000001Analyzed: 05/21/12 13:06**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	100	45 - 136	
LCS (1206396-BS1)		**Lab File ID: MAY21000001Analyzed: 05/21/12 13:13**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	88	45 - 136	
LCS Dup (1206396-BSD1)		**Lab File ID: MAY21000001Analyzed: 05/21/12 13:20**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	96	45 - 136	
1060SL (1205358-01)		**Lab File ID: MAY21000001Analyzed: 05/21/12 13:41**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	109	45 - 136	
Calibration Check (2E21070-CCV2)		**Lab File ID: MAY21000001Analyzed: 05/21/12 14:02**					
o-Terphenyl	1.19	1.19	0.00	+/-1.0	105	85 - 115	

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2F01048

SDG: KNM050712
Project: KNM
Calibration: 2F04007
Instrument: 333

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2F01048-CAL1	JUNE010000008	06/01/12 10:16
Cal Standard	2F01048-CAL2	JUNE010000009	06/01/12 10:23
Cal Standard	2F01048-CAL3	JUNE010000010	06/01/12 10:30
Cal Standard	2F01048-CAL4	JUNE010000011	06/01/12 10:37
Cal Standard	2F01048-CAL5	JUNE010000012	06/01/12 10:44
Cal Standard	2F01048-CAL6	JUNE010000013	06/01/12 10:51
Secondary Cal Check	2F01048-SCV1	JUNE010000014	06/01/12 10:58
Blank	1206578-BLK1	JUNE010000015	06/01/12 11:05
LCS	1206578-BS1	JUNE010000016	06/01/12 11:12
LCS Dup	1206578-BSD1	JUNE010000017	06/01/12 11:19
106RCT	1205374-01	JUNE010000018	06/01/12 11:25
Calibration Check	2F01048-CCV1	JUNE010000025	06/01/12 12:14

SURROGATE STANDARD RECOVERY AND RT SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2F01048

SDG: KNM050712
Project: KNM
Calibration: 2F04007
Instrument: 333

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Cal Standard (2F01048-CAL1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:16			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Cal Standard (2F01048-CAL2)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:23			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Cal Standard (2F01048-CAL3)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:30			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Cal Standard (2F01048-CAL4)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:37			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Cal Standard (2F01048-CAL5)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:44			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Cal Standard (2F01048-CAL6)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:51			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	NA	NA	
Secondary Cal Check (2F01048-SCV1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 10:58			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	90	80 - 120	
Blank (1206578-BLK1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 11:05			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	97	45 - 136	
LCS (1206578-BS1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 11:12			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	90	45 - 136	
LCS Dup (1206578-BSD1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 11:19			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	92	45 - 136	
106RCT (1205374-01)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 11:25			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	99	45 - 136	
Calibration Check (2F01048-CCV1)		Lab File ID: JUNE0100000		Analyzed: 06/01/12 12:14			
o-Terphenyl	1.19	1.19	0.00	+/-1.0	98	85 - 115	

LCS / LCS DUPLICATE RECOVERY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206140

SDG: KNM050712

Project: KNM

Laboratory ID: 1206140-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2E16032

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1190	119	70 - 135	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206396-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396
Sequence: 2E21070

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1200	120	70 - 135	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206578

SDG: KNM050712

Project: KNM

Laboratory ID: 1206578-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2F01048

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	894	89	70 - 135	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206140-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206140
Sequence: 2E16032

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1200	120	0.6	20	70 - 135	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206396-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396
Sequence: 2E21070

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1350	135	11	20	70 - 135	ug/L

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206578-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206578
Sequence: 2F01048

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	917	92	3	20	70 - 135	ug/L

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

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206140-BLK1 File ID: MAY160000009.D

Prepared: 05/15/12 07:48 Analyzed: 05/16/12 10:03

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206140 Sequence: 2E16032 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	40.0	100	45 - 136	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
QC Batch: 1206140
QC Batch Matrix: Water
Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106091	1205226-01	05/15/12 07:48	C10-20
106191	1205226-02	05/15/12 07:48	C10-20
Blank	1206140-BLK1	05/15/12 07:48	
LCS	1206140-BS1	05/15/12 07:48	
LCS Dup	1206140-BSD1	05/15/12 07:48	

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206396-BLK1 File ID: MAY210000010.D

Prepared: 05/21/12 07:57 Analyzed: 05/21/12 13:06

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396 Sequence: 2E21070 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	39.9	100	45 - 136	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
QC Batch: 1206396
QC Batch Matrix: Water
Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
1060SL	1205358-01	05/21/12 07:57	C10-20
Blank	1206396-BLK1	05/21/12 07:57	
LCS	1206396-BS1	05/21/12 07:57	
LCS Dup	1206396-BSD1	05/21/12 07:57	

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206578-BLK1 File ID: JUNE010000015

Prepared: 05/24/12 07:54 Analyzed: 06/01/12 11:05

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206578 Sequence: 2F01048 Calibration: 2F04007 Instrument: 333

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	38.9	97	45 - 136	

QC BATCH SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
QC Batch: 1206578
QC Batch Matrix: Water
Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106RCT	1205374-01	05/24/12 07:54	C10-20
Blank	1206578-BLK1	05/24/12 07:54	Same as 1206580
LCS	1206578-BS1	05/24/12 07:54	Same as 1206580
LCS Dup	1206578-BSD1	05/24/12 07:54	Same as 1206580

HOLDING TIME SUMMARY
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050712

Client: TechLaw

Project: KNM

Method: Extractable Petroleum Hydrocarbons by EPA Method 801:

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106091	05/09/12	05/10/12		05/15/12	6	7	05/16/12	1	40	
106191	05/09/12	05/10/12		05/15/12	6	7	05/16/12	1	40	
1060SL	05/17/12	05/18/12		05/21/12	4	7	05/21/12	0	40	
106RCT	05/18/12	05/21/12		05/24/12	6	7	06/01/12	8	40	

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106091

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-01 File ID: MAY160000012.D

Sampled: 05/09/12 10:00 Prepared: 05/15/12 07:48 Analyzed: 05/16/12 10:24

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 970 mL / 1 mL

QC Batch: 1206140 Sequence: 2E16032 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	1	1500	32	200	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
o-Terphenyl	41.2	45.0	109	45 - 136	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000012.D
Sample Name: 1205226-01

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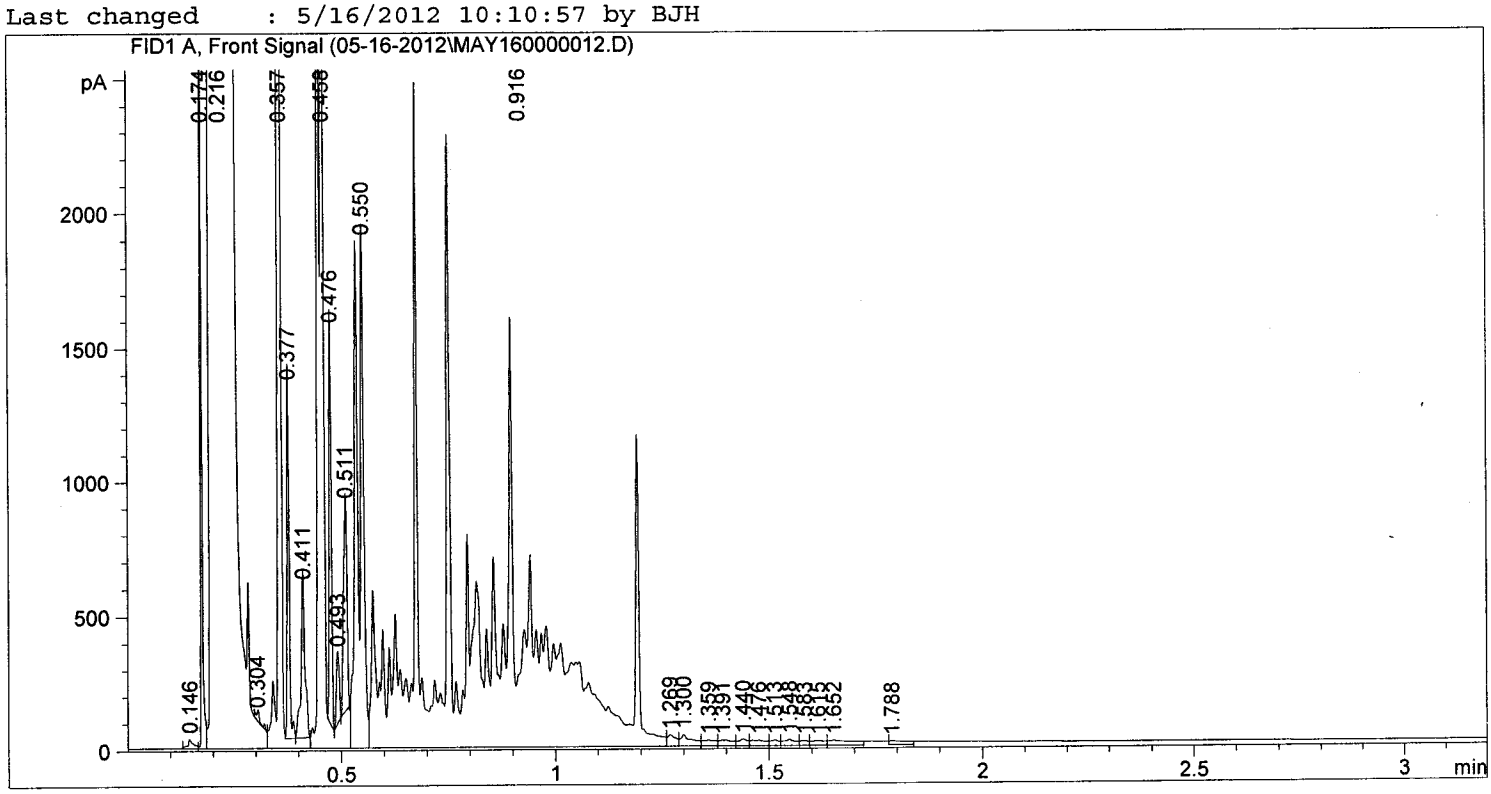
Acq. Operator	: BJH	Seq. Line :	8
Acq. Instrument	: 333	Location :	Vial 7
Injection Date	: 5/16/2012 10:24:43	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.0942	1.30944e4	1.45154	EPA DRO (C10-C20)

Totals : 1.30944e4 1.4515

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*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000012.D
Sample Name: 1205226-01

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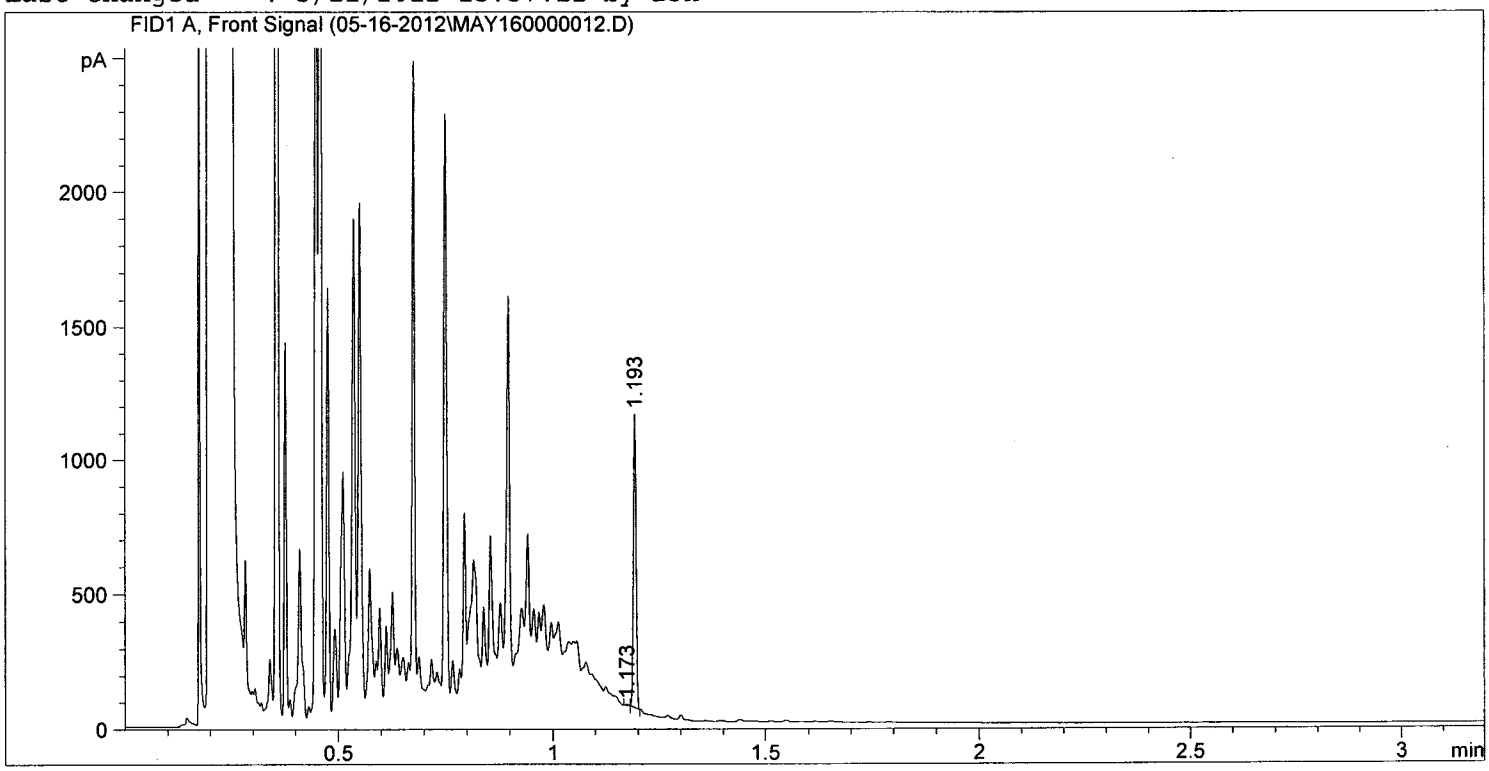
Acq. Operator	: BJH	Seq. Line :	8
Acq. Instrument	: 333	Location :	Vial 7
Injection Date	: 5/16/2012 10:24:43	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	486.46484	8.96588e-2	43.61586		OTP (Surrogate

Totals : 43.61586

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*** End of Report ***

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106191

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205226-02 File ID: MAY160000013.D

Sampled: 05/09/12 13:00 Prepared: 05/15/12 07:48 Analyzed: 05/16/12 10:31

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1206140 Sequence: 2E16032 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	1	1600	32	200	

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
o-Terphenyl	40.8	43.0	105	45 - 136	

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000013.D
Sample Name: 1205226-02

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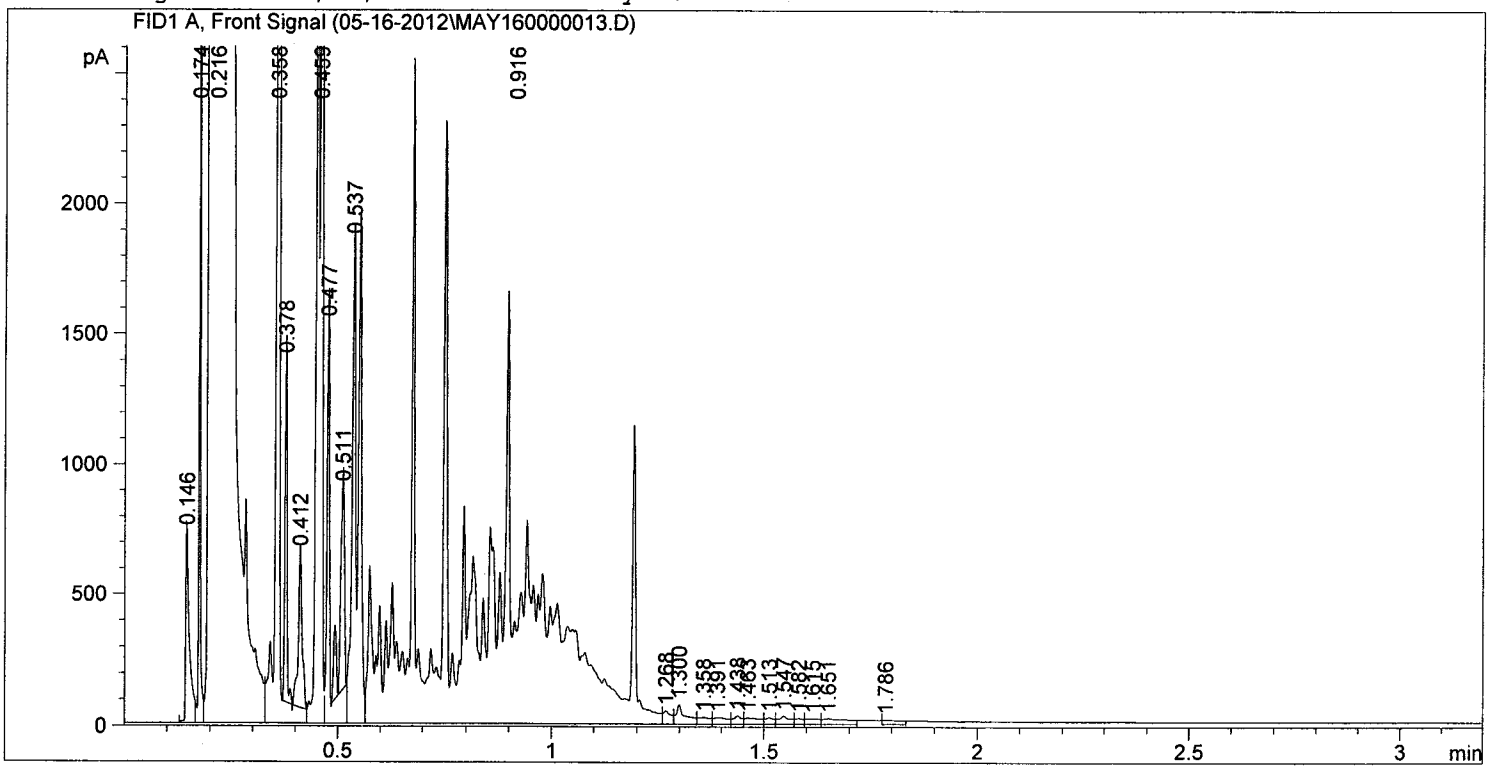
Acq. Operator	: BJH	Seq. Line	: 9
Acq. Instrument	: 333	Location	: Vial 8
Injection Date	: 5/16/2012 10:31:38	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.0996	1.45258e4	1.64616	EPA DRO (C10-C20)

Totals : 1.45258e4 1.6462

==========

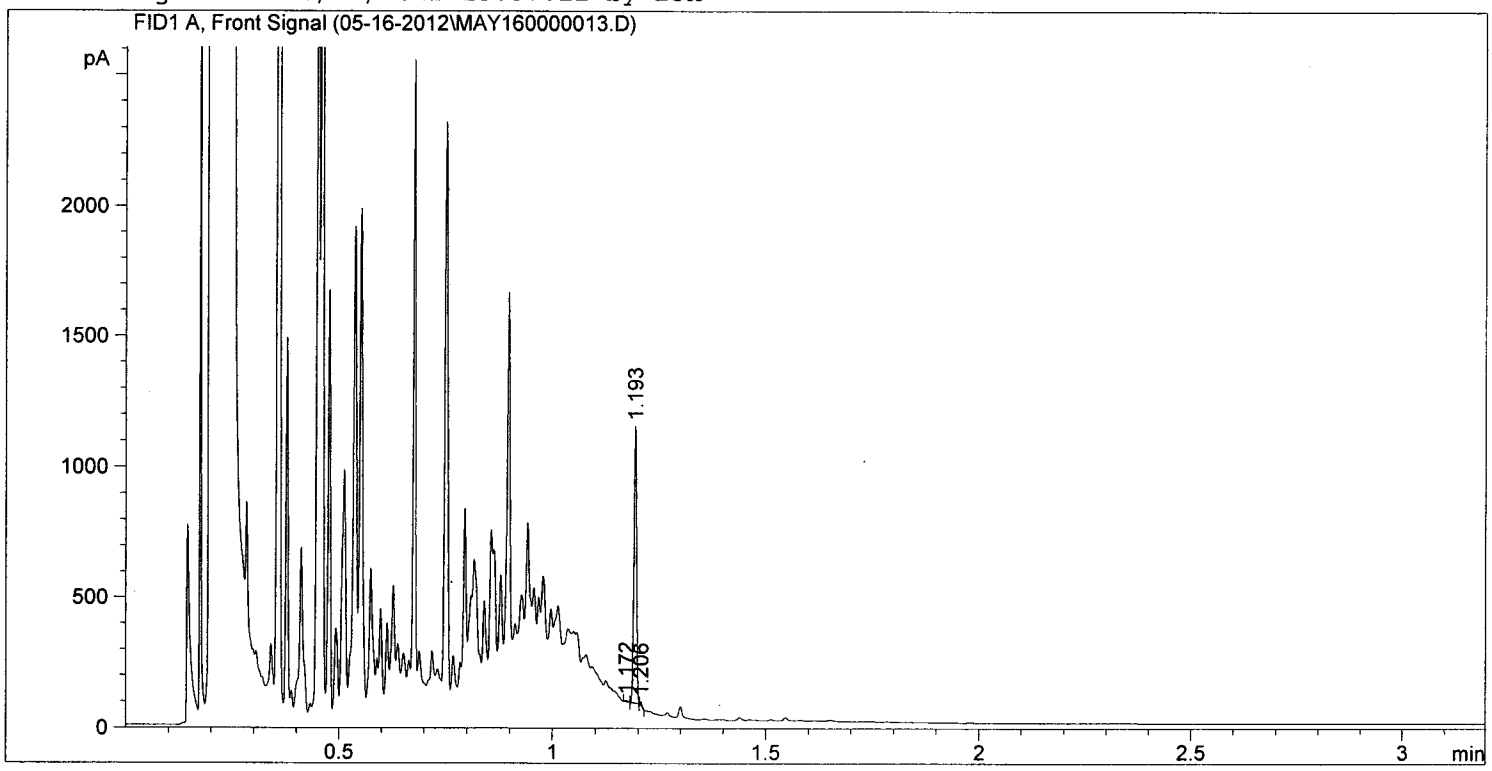
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000013.D
Sample Name: 1205226-02

==========

Acq. Operator	: BJH	Seq. Line	: 9
Acq. Instrument	: 333	Location	: Vial 8
Injection Date	: 5/16/2012 10:31:38	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	468.55096	8.98612e-2	42.10454		OTP (Surrogate

Totals : 42.10454

==========

*** End of Report ***

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

1060SL

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205358-01 File ID: MAY210000015.D

Sampled: 05/17/12 10:00 Prepared: 05/21/12 07:57 Analyzed: 05/21/12 13:41

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 950 mL / 1 mL

QC Batch: 1206396 Sequence: 2E21070 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	1	200	32	200	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
o-Terphenyl	42.1	46.0	109	45 - 136	

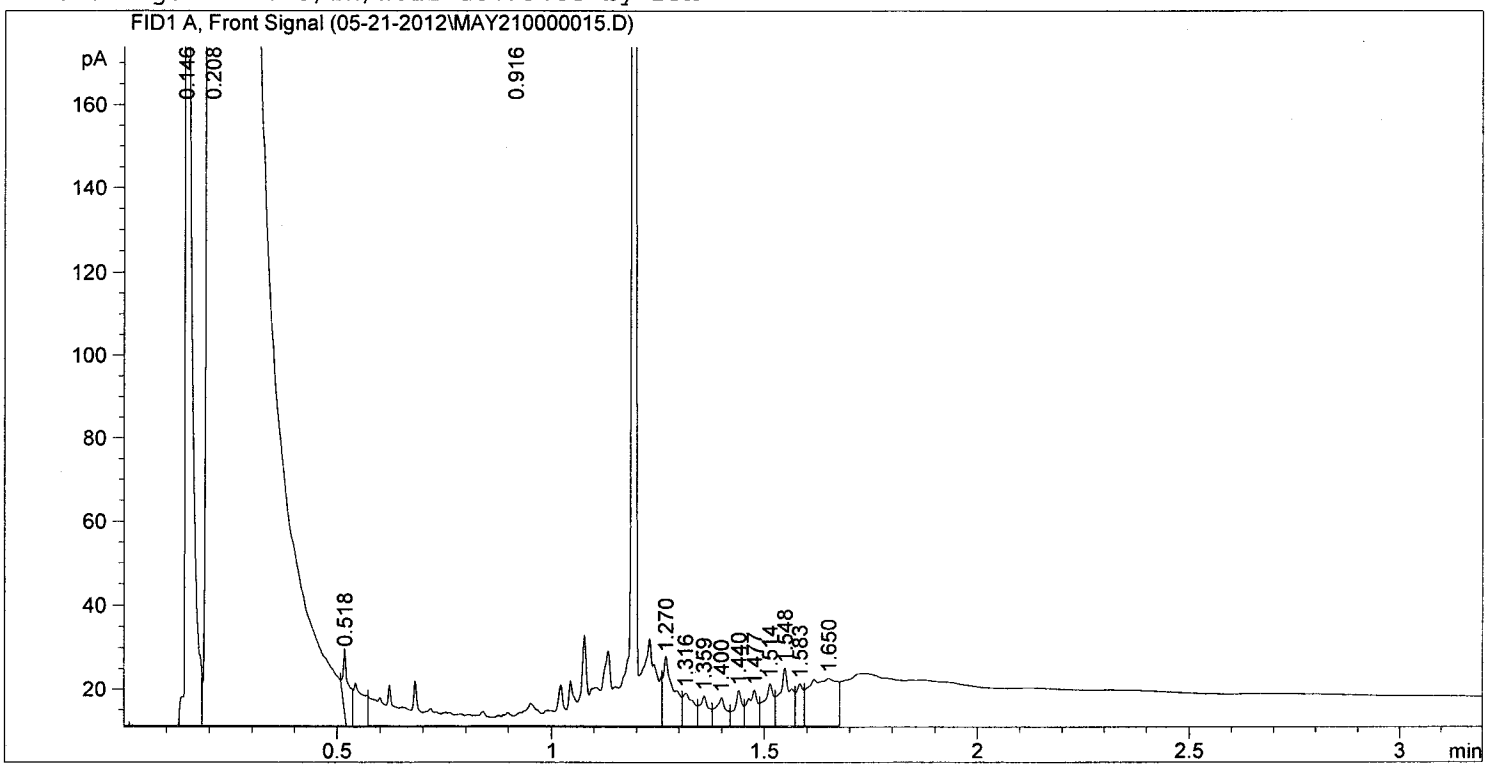
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000015.D
Sample Name: 1205358-01

==========

Acq. Operator	: BJH	Seq. Line	: 11
Acq. Instrument	: 333	Location	: Vial 10
Injection Date	: 5/21/2012 13:41:16	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.0119	745.82849	0.10156	EPA DRO (C10-C20)

Totals : 745.82849 0.1016

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000015.D
Sample Name: 1205358-01

==========

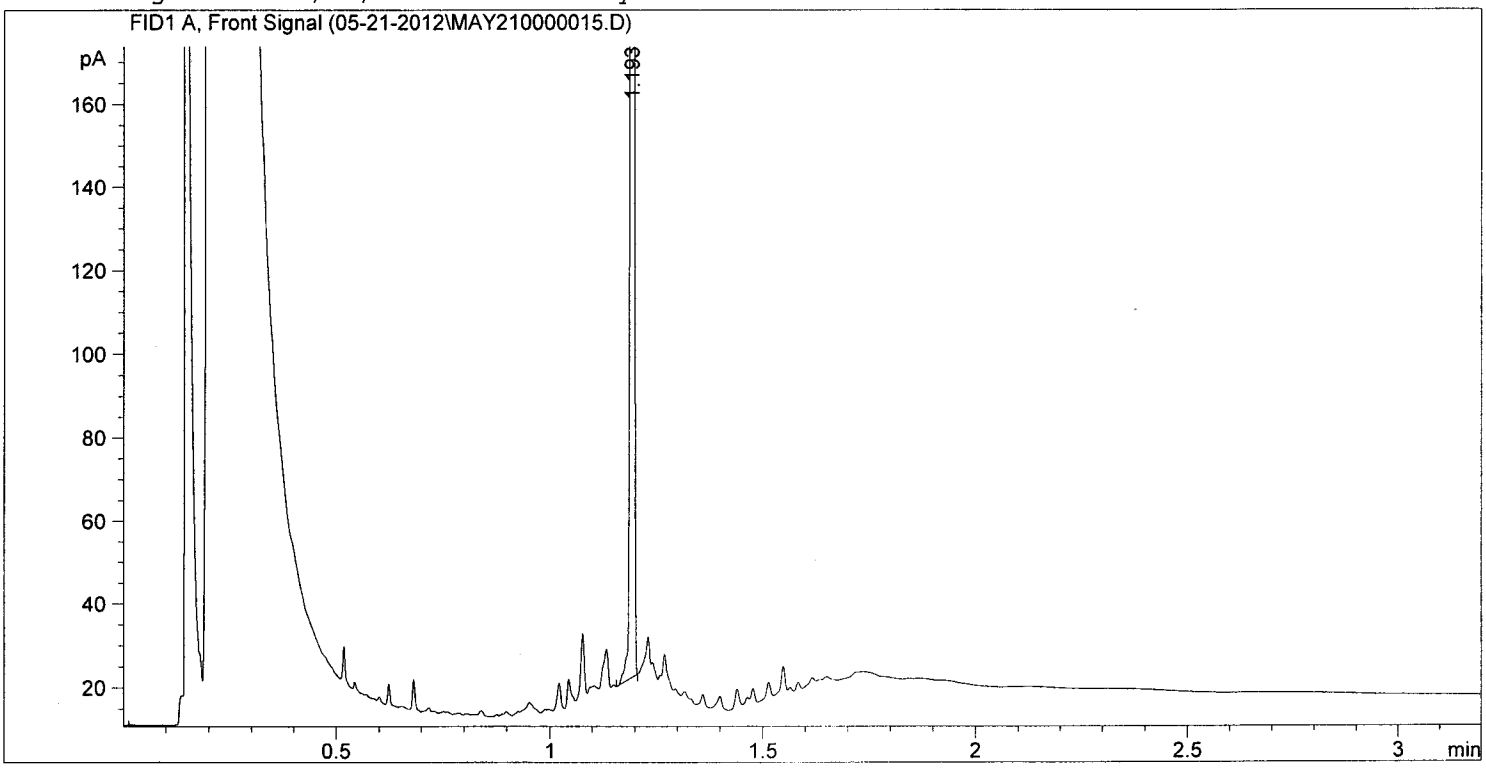
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000015.D
Sample Name: 1205358-01

==========

Acq. Operator	: BJH	Seq. Line	: 11
Acq. Instrument	: 333	Location	: Vial 10
Injection Date	: 5/21/2012 13:41:16	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	487.12137	8.96517e-2	43.67125		OTP (Surrogate

Totals : 43.67125

==========

*** End of Report ***

ORGANIC ANALYSIS DATA SHEET
USEPA-8015C

106RCT

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205374-01 File ID: JUNE010000018

Sampled: 05/18/12 09:30 Prepared: 05/24/12 07:54 Analyzed: 06/01/12 11:25

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 940 mL / 1 mL

QC Batch: 1206578 Sequence: 2F01048 Calibration: 2F04007 Instrument: 333

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	1	49	35	210	J

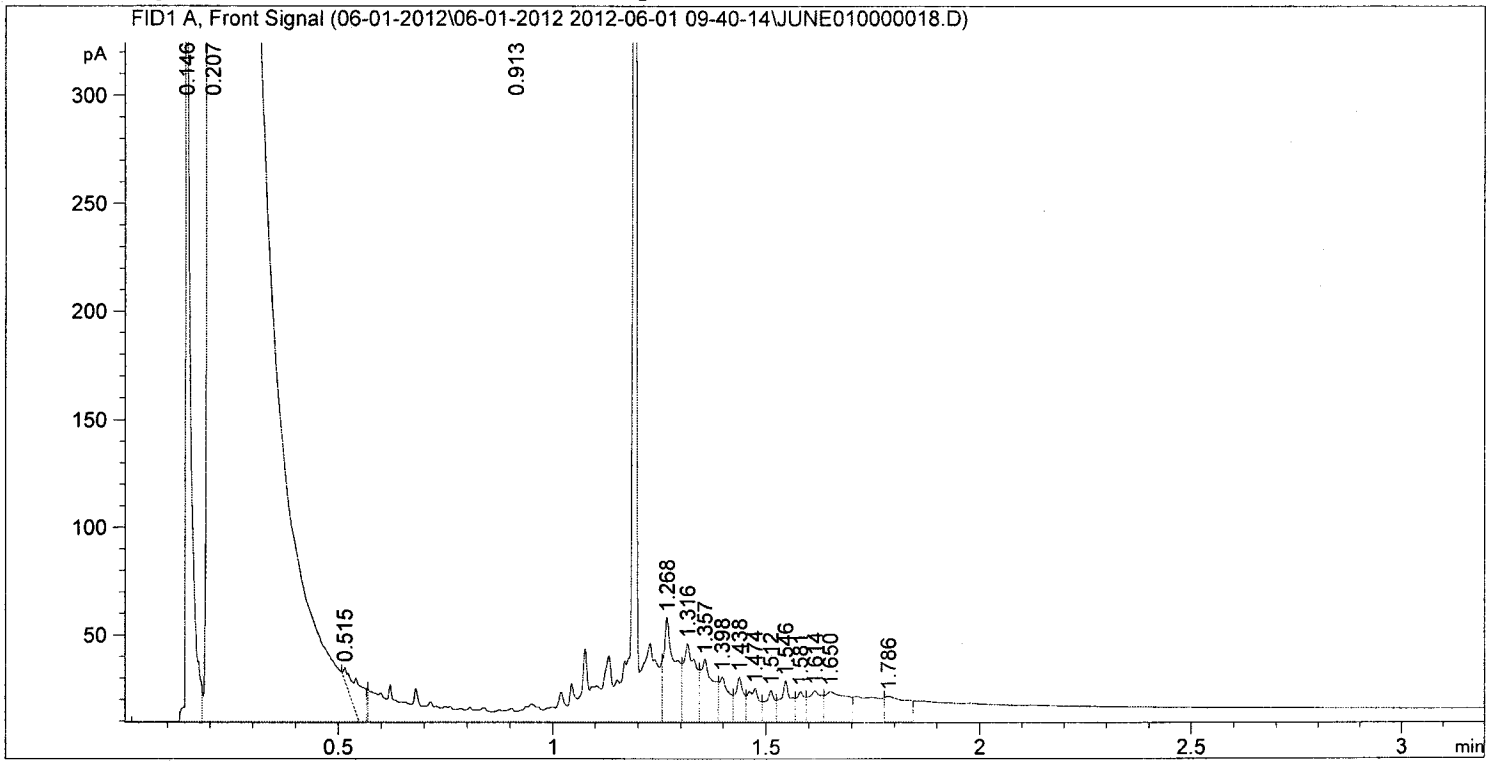
System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
o-Terphenyl	42.6	42.0	99	45 - 136	

* Values outside of QC limits

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000018.D
Sample Name: 1205374-01

==========

Acq. Operator : SYSTEM
Seq. Line : 14
Acq. Instrument : 333
Location : Vial 13
Injection Date : 6/1/2012 11:25:56 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.0159	997.29333	0.13441	EPA DRO (C10-C20)

Totals : 997.29333 0.1344

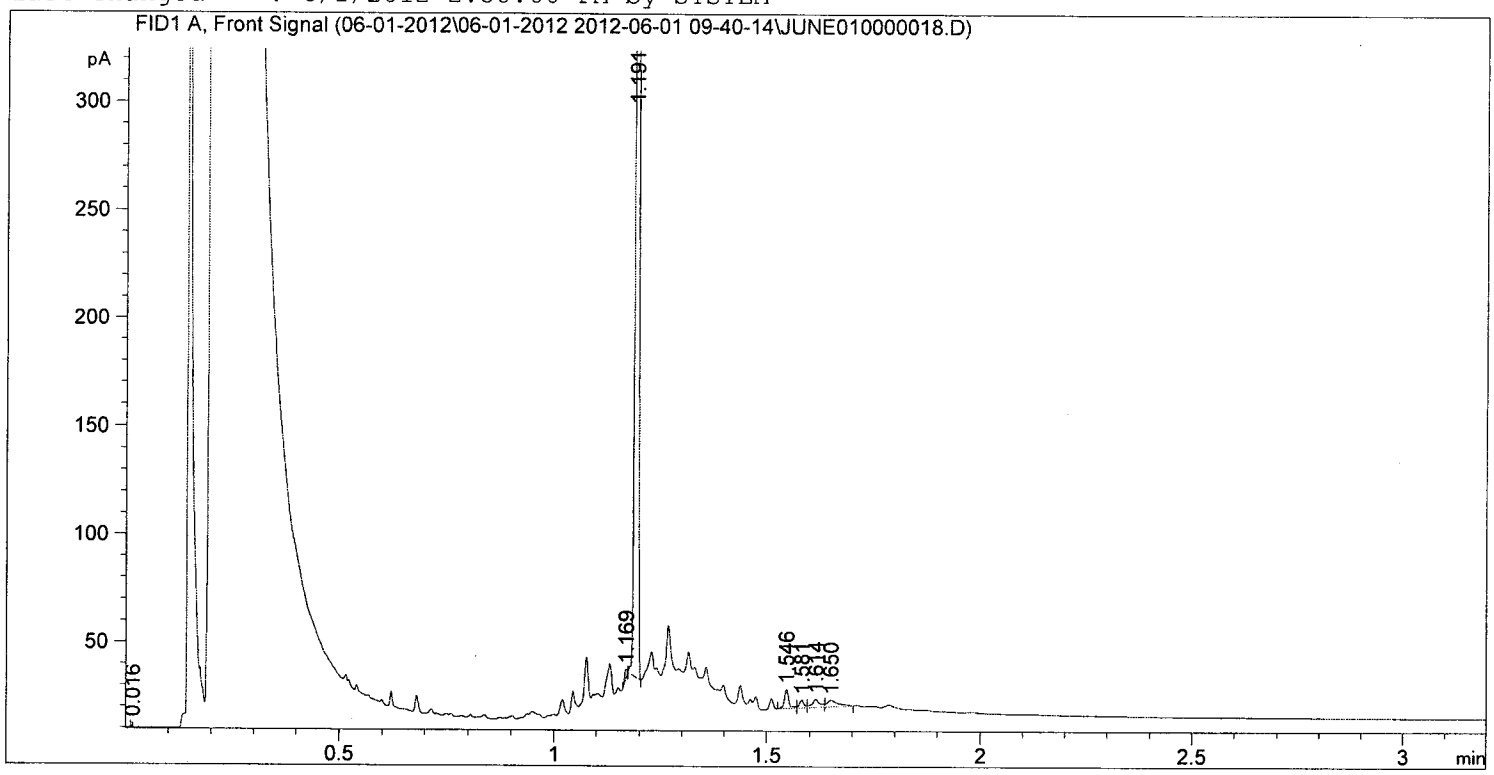
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000018.D
Sample Name: 1205374-01

==========

Acq. Operator : SYSTEM
Seq. Line : 14
Acq. Instrument : 333
Location : Vial 13
Injection Date : 6/1/2012 11:25:56 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.191	1	BB S	493.92426	7.98993e-2	39.46422		OTP (Surrogate
1.614	1	VV	4.73536	0.00000	0.00000		Triacontane

Totals : 39.46422

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (Triacontane)

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000018.D
Sample Name: 1205374-01

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*** End of Report ***

INITIAL CALIBRATION STANDARDS
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D12036

SDG: KNM050712
Project: KNM
Calibration: 2D12010
Instrument: 333

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2031318	EPA DRO L1	2D12036-CAL1	MAR280000006.D	03/28/12 09:44
2031317	EPA DRO L2	2D12036-CAL2	MAR280000007.D	03/28/12 09:51
2031316	EPA DRO L3	2D12036-CAL3	MAR280000008.D	03/28/12 09:58
2031315	EPA DRO L4	2D12036-CAL4	MAR280000009.D	03/28/12 10:05
2031314	EPA DRO L5	2D12036-CAL5	MAR280000010.D	03/28/12 10:12
2021118	4000 EPA DRO L6	2D12036-CAL6	MAR280000011.D	03/28/12 10:19
2031320	EPA DRO SCV 1000	2D12036-SCV1	MAR280000012.D	03/28/12 10:26

INITIAL CALIBRATION STANDARDS
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2F01048

SDG: KNM050712
Project: KNM
Calibration: 2F04007
Instrument: 333

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2030231	EPA DRO L1 w/triacontane	2F01048-CAL1	JUNE010000008	06/01/12 10:16
2030230	EPA DRO L2 w/triacontane	2F01048-CAL2	JUNE010000009	06/01/12 10:23
2030229	EPA DRO L3 w/triacontane	2F01048-CAL3	JUNE010000010	06/01/12 10:30
2030228	EPA DRO L4 w/triacontane	2F01048-CAL4	JUNE010000011	06/01/12 10:37
2030227	EPA DRO L5 w/triacontane	2F01048-CAL5	JUNE010000012	06/01/12 10:44
2021121	EPA DRO L6 w/triacontane	2F01048-CAL6	JUNE010000013	06/01/12 10:51
2030233	EPA DRO SCV w/triacontane	2F01048-SCV1	JUNE010000014	06/01/12 10:58

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D12010

SDG: KNM050712

Project: KNM

Calibration Date: 03/28/12 08:43

Instrument: 333

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
DRO - 8015 (C10-C20)	125	7.712	250	8.616	500	8.9	1000	8.952	2000	8.966	4000	8.8155
o-Terphenyl	6.25	9.794779	12.5	10.96434	25	11.21783	50	10.82753	100	10.89722	200	11.87115

INITIAL CALIBRATION DATA (Continued)
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2D12010

SDG: KNM050712

Project: KNM

Calibration Date: 03/28/12 08:43

Instrument: 333

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
DRO - 8015 (C10-C20)	8.66025	5.56494			0.99988		0.99	
o-Terphenyl	10.92881	6.165436	1.1925	4.661592E-02	0.99826		0.99	

INITIAL CALIBRATION DATA
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2F04007

SDG: KNM050712

Project: KNM

Calibration Date: 06/01/12 10:02

Instrument: 333

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
DRO - 8015 (C10-C20)	125	10.40636	250	10.25988	500	10.41421	1000	10.3251	2000	10.36015	4000	10.30128
o-Terphenyl	6.25	12.54541	12.5	12.54666	25	12.59931	50	12.18562	100	12.21601	200	13.34904

INITIAL CALIBRATION DATA (Continued)

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2F04007

SDG: KNM050712

Project: KNM

Calibration Date: 06/01/12 10:02

Instrument: 333

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
DRO - 8015 (C10-C20)	10.3445	0.5854187	0.913	1.361101E-02	0.99999		0.99	
o-Terphenyl	12.57368	3.34011	1.191167	6.489719E-02	0.99803		0.99	

Calibration Table

Calib. Data Modified : 3/27/2012 8:52:39

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear (some peaks differ, see below)
Origin : Included (some peaks differ, see below)
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
0.910	1	1	125.00000	1521.43188	8.21594e-2			EPA DRO (C10-C20)
		2	250.00000	2747.96313	9.09765e-2			
		3	500.00000	5609.15527	8.91400e-2			
		4	1000.00000	1.11865e4	8.93932e-2			
		5	2000.00000	1.98898e4	1.00554e-1			
		6	4000.00000	3.84213e4	1.04109e-1			

More compound-specific settings:

Compound: EPA DRO (C10-C20)
Curve Type : Linear
Origin : Ignored

Peak Sum Table

No Entries in table

JWB 4-18-12

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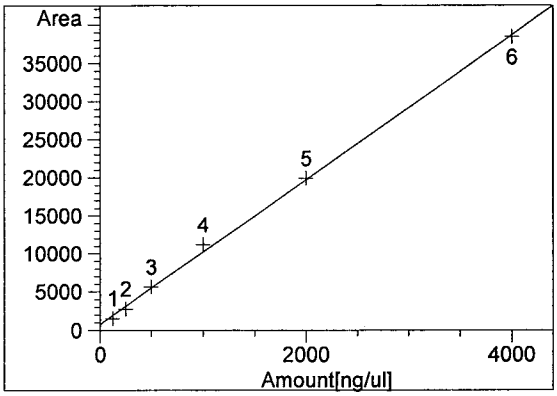
Calibration Curves

==========



EPA DRO (C10-C20) at exp. RT: 0.910
FID1 A, Front Signal
Correlation: 0.99933
Residual Std. Dev.: 575.41298
Formula: y = mx + b
m: 9.47507
b: 793.33194
x: Amount
y: Area

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Calibration Table

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Surrogate

Calib. Data Modified : 3/28/2012 11:58:53

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear (some peaks differ, see below)
Origin : Ignored (some peaks differ, see below)
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
1.193	1	1	6.25000	61.21737	1.02095e-1			OTP (Surrogate
		2	12.50000	137.05426	9.12048e-2			
		3	25.00000	280.44580	8.91438e-2			
		4	50.00000	541.37646	9.23572e-2			
		5	100.00000	1089.72241	9.17665e-2			
		6	200.00000	2374.23145	8.42378e-2			

More compound-specific settings:

Compound: OTP (Surrogate
Curve Type : Linear
Origin : Ignored

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Peak Sum Table

==========

No Entries in table

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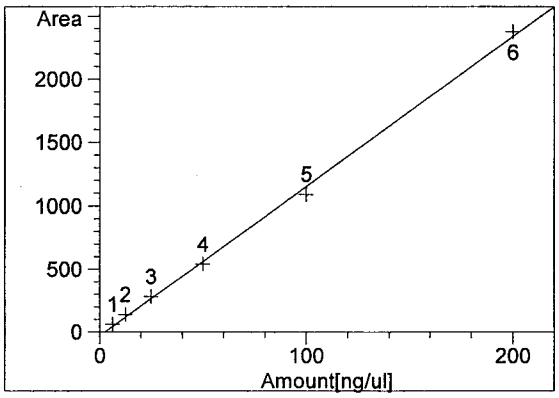
==========

Calibration Curves

==========



OTP (Surrogate at exp. RT: 1.193
FID1 A, Front Signal
Correlation: 0.99913
Residual Std. Dev.: 41.02569
Formula: y = mx + b
m: 11.85310
b: -30.51818
x: Amount
y: Area

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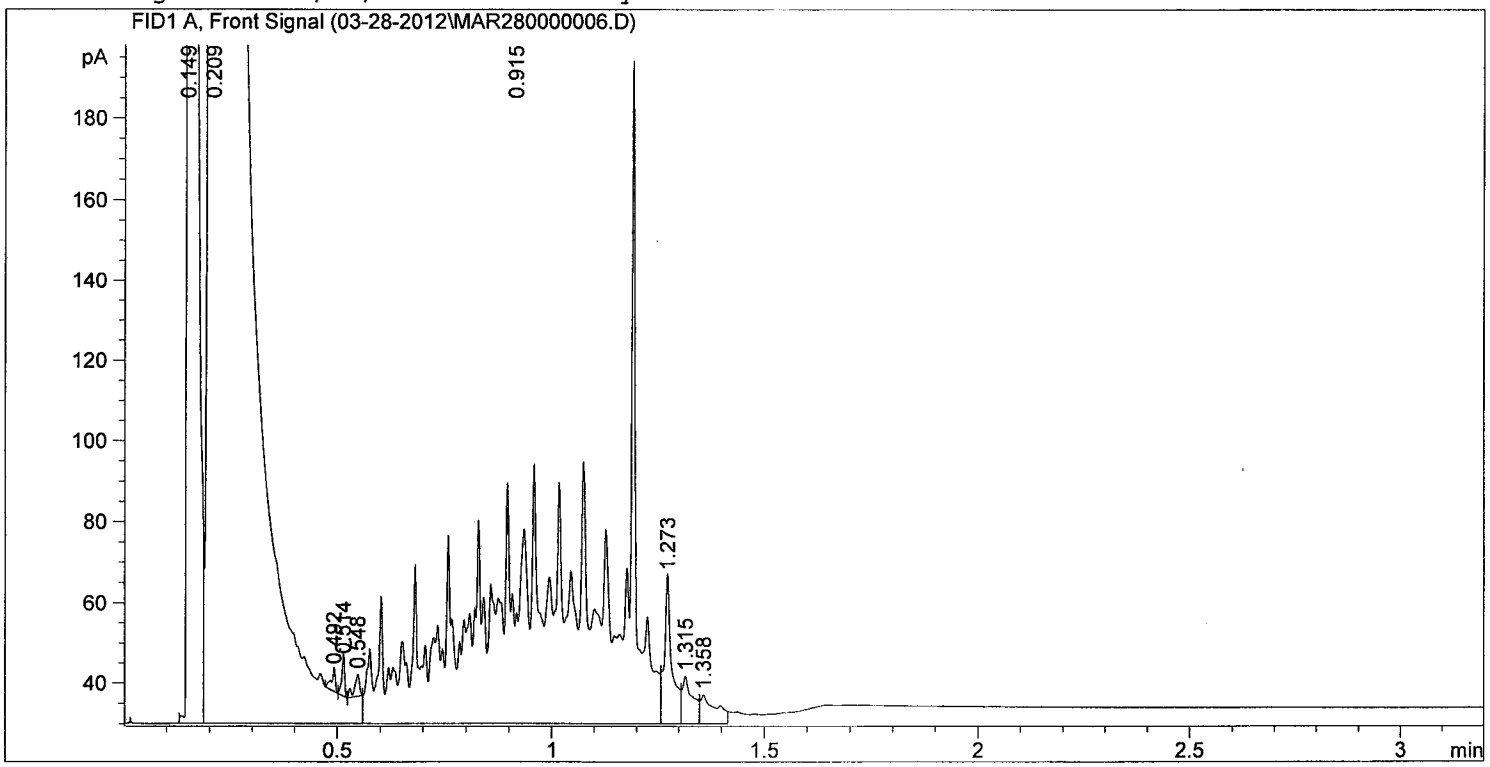
Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000006.D
Sample Name: L1

==========

Acq. Operator	: BJH	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 3/28/2012 9:44:52	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1185	1099.75220	0.16722	EPA DRO (C10-C20)

Totals : 1099.75220 0.1672

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*** End of Report ***

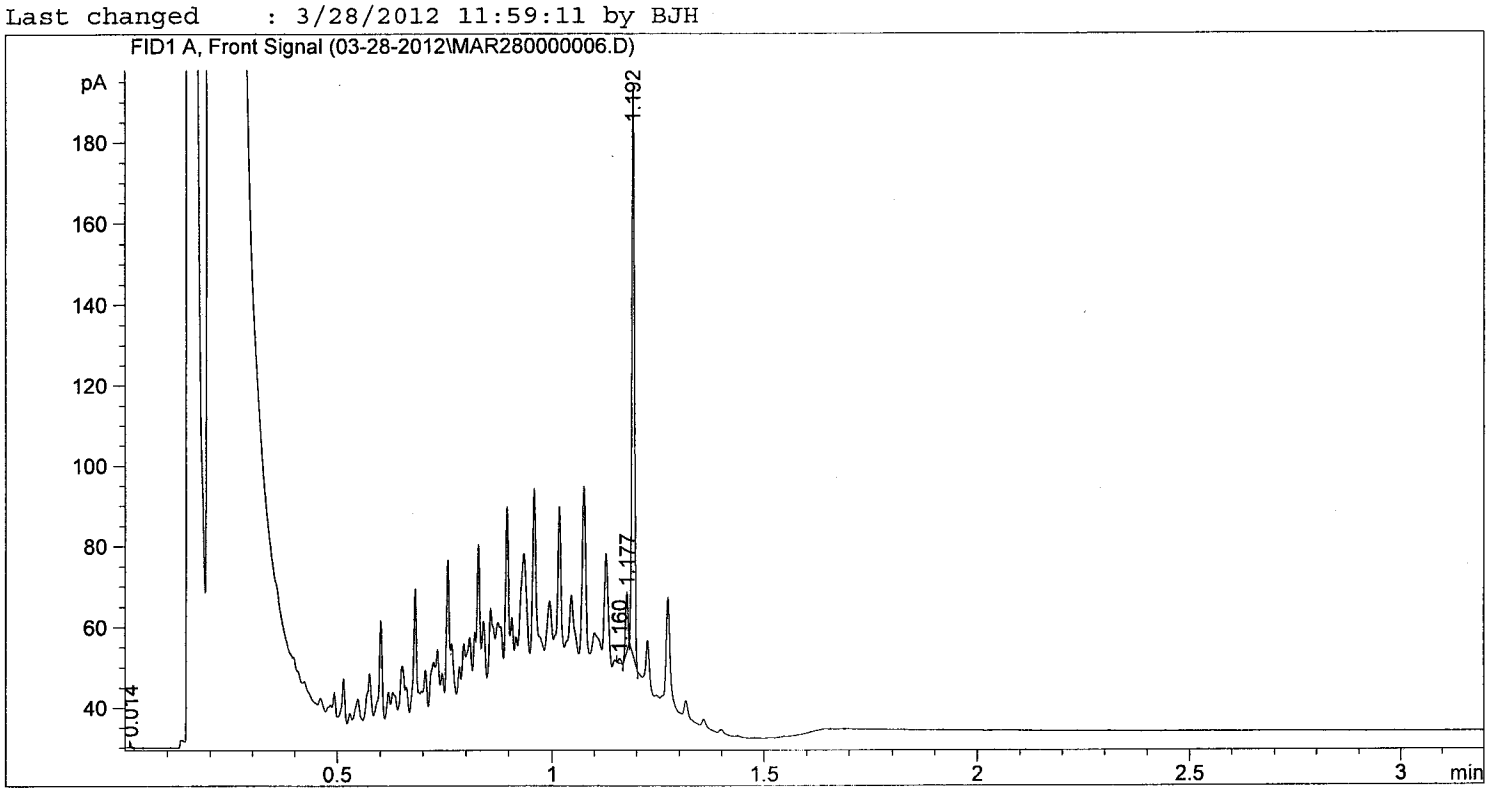
Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000006.D
Sample Name: L1

==========

Acq. Operator : BJH
Acq. Instrument : 333
Injection Date : 3/28/2012 9:44:52

Seq. Line : 4
Location : Vial 3
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB	61.21737	1.26424e-1	7.73937		OTP (Surrogate

Totals : 7.73937

==========

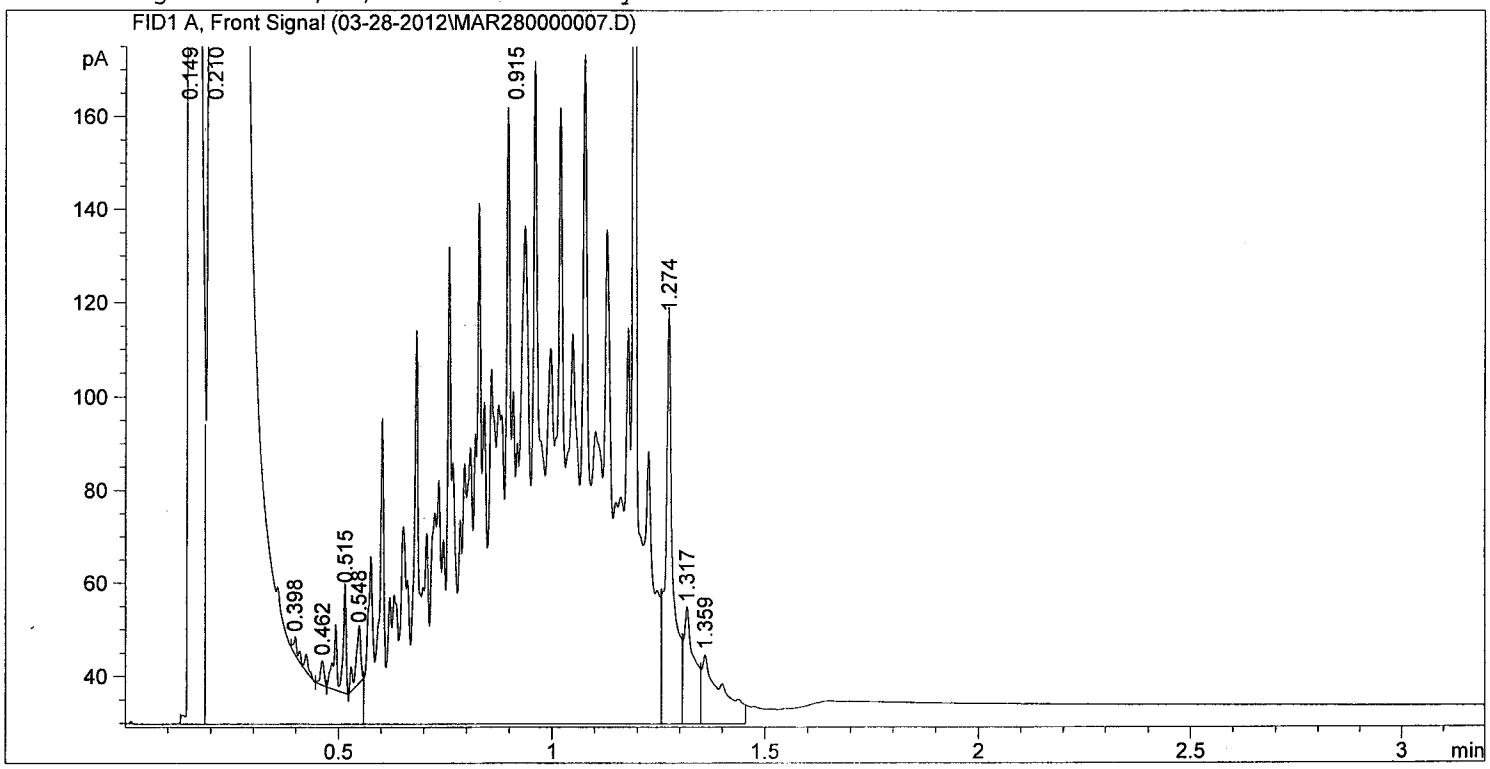
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000007.D
Sample Name: L2

==========

Acq. Operator	: BJH	Seq. Line	: 5
Acq. Instrument	: 333	Location	: Vial 4
Injection Date	: 3/28/2012 9:51:47	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1123	2383.58545	0.33547	EPA DRO (C10-C20)

Totals : 2383.58545 0.3355

==========

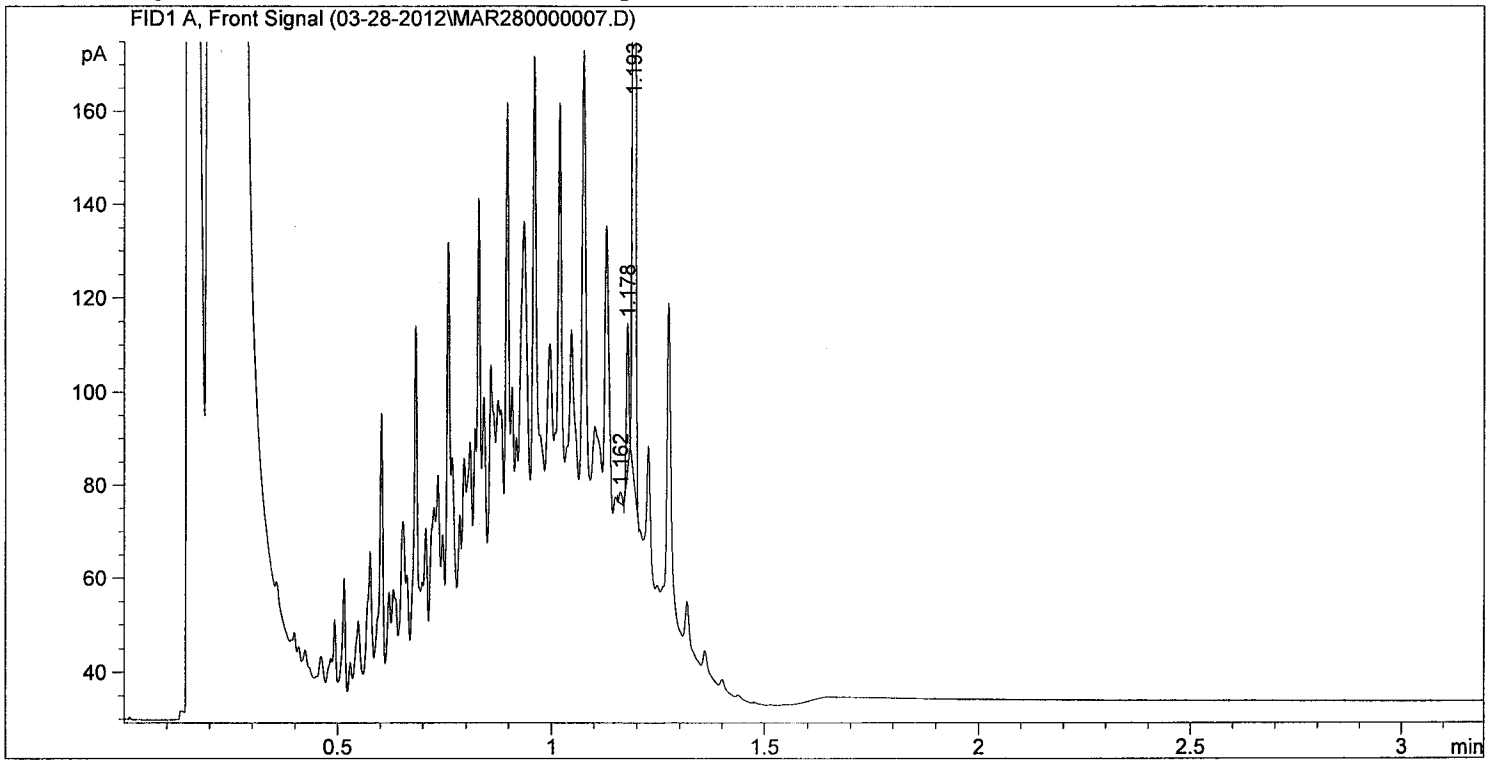
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000007.D
Sample Name: L2

==========

Acq. Operator	: BJH	Seq. Line :	5
Acq. Instrument	: 333	Location :	Vial 4
Injection Date	: 3/28/2012 9:51:47	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



==========

External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB	137.05426	1.03152e-1	14.13744		OTP (Surrogate

Totals : 14.13744

==========

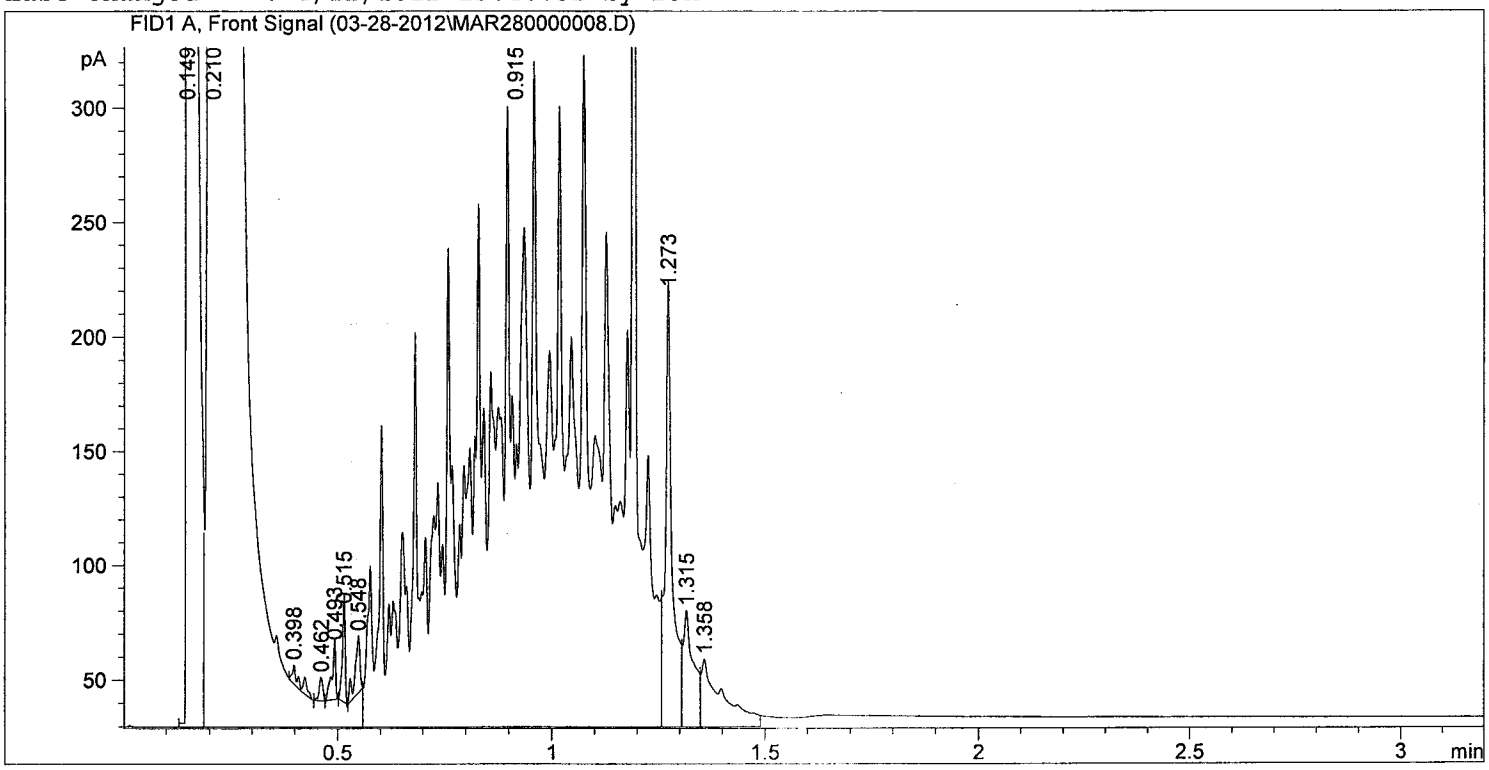
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000008.D
Sample Name: L3

==========

Acq. Operator	: BJH	Seq. Line	: 6
Acq. Instrument	: 333	Location	: Vial 5
Injection Date	: 3/28/2012 9:58:44	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1129	4823.69727	0.67675	EPA DRO (C10-C20)

Totals : 4823.69727 0.6768

==========

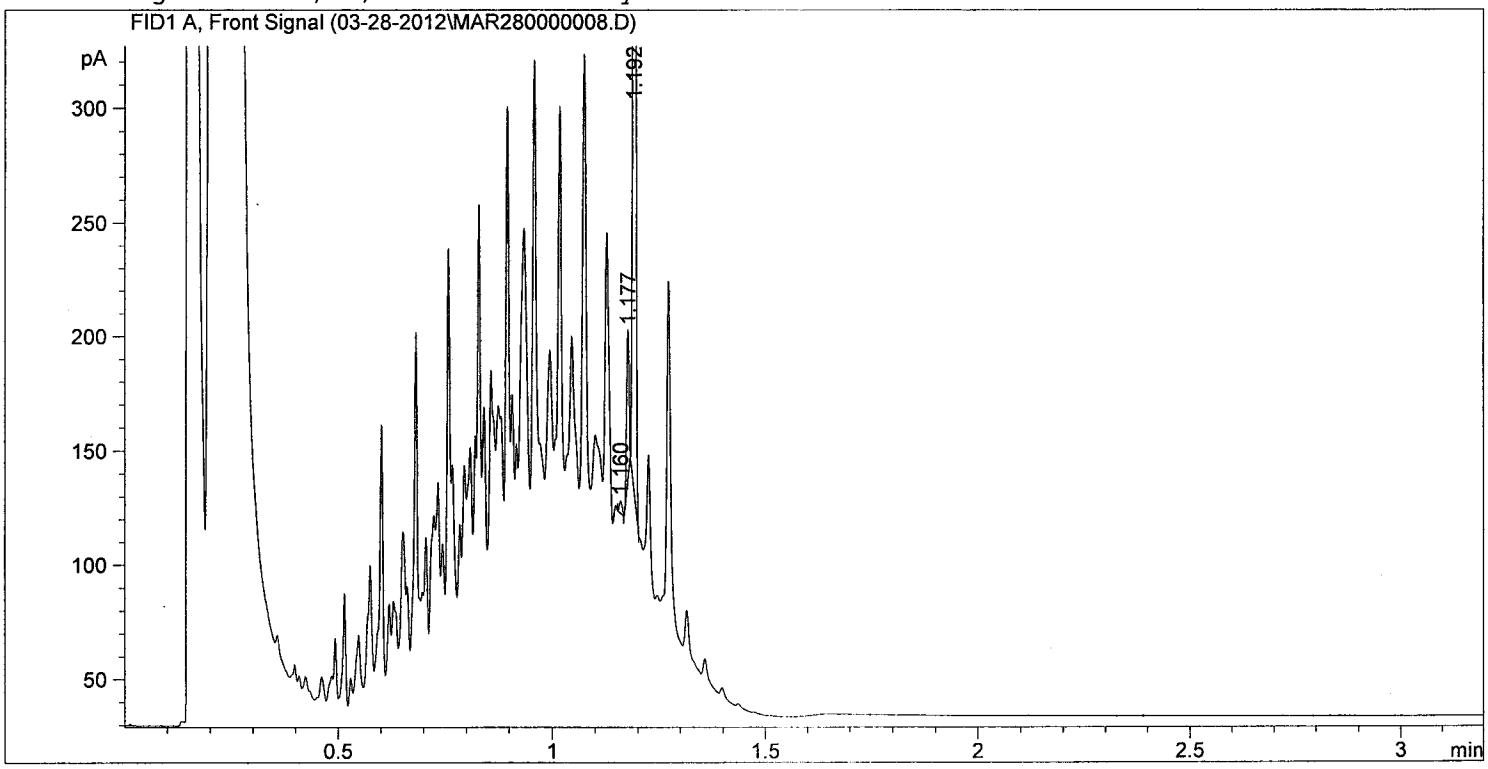
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000008.D
Sample Name: L3

==========

Acq. Operator	: BJH	Seq. Line :	6
Acq. Instrument	: 333	Location :	Vial 5
Injection Date	: 3/28/2012 9:58:44	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB	280.44580	9.35469e-2	26.23483		OTP (Surrogate

Totals : 26.23483

==========

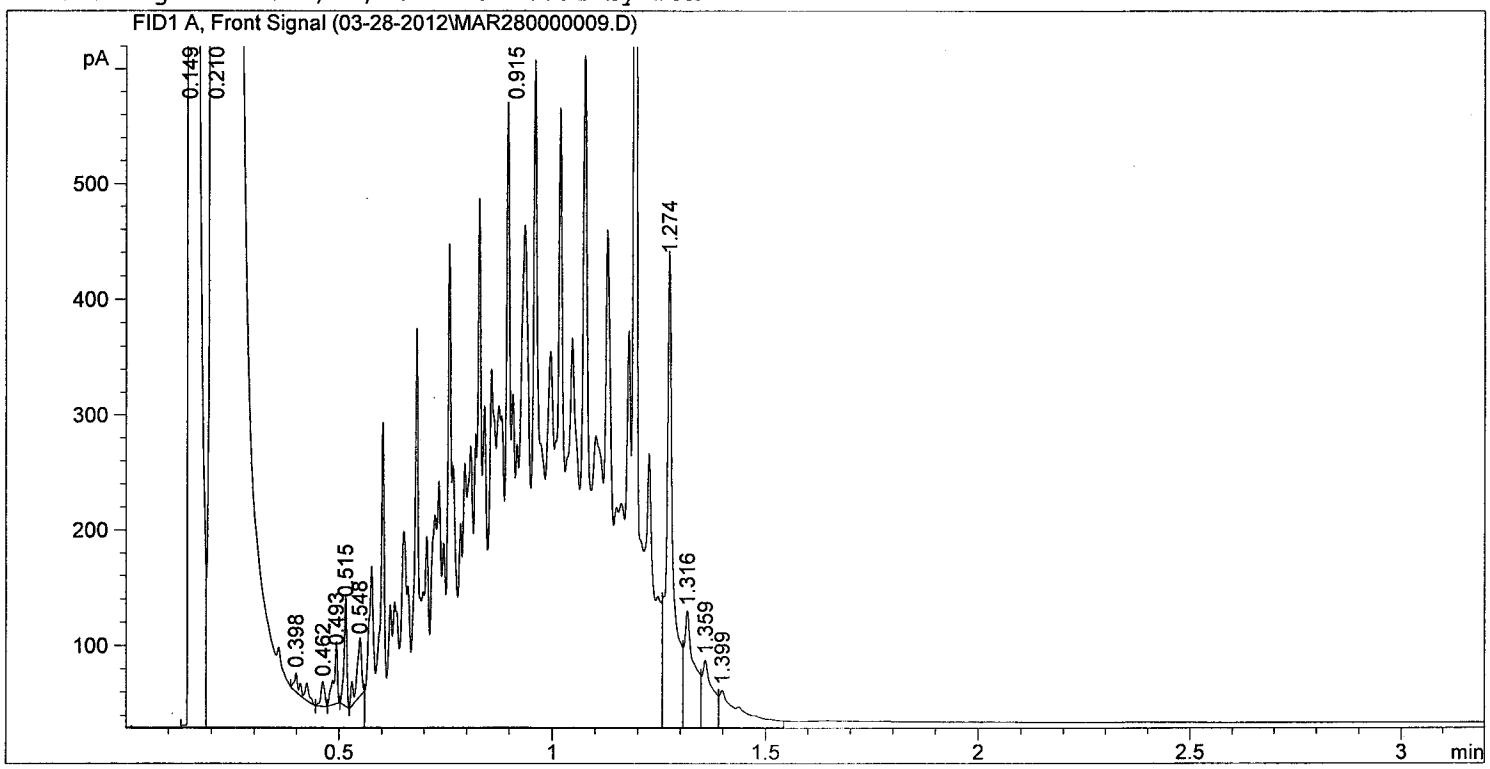
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000009.D
Sample Name: L4

==========

Acq. Operator	: BJH	Seq. Line	: 7
Acq. Instrument	: 333	Location	: Vial 6
Injection Date	: 3/28/2012 10:05:38	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1145	9586.16406	1.32579	EPA DRO (C10-C20)

Totals : 9586.16406 1.3258

==========

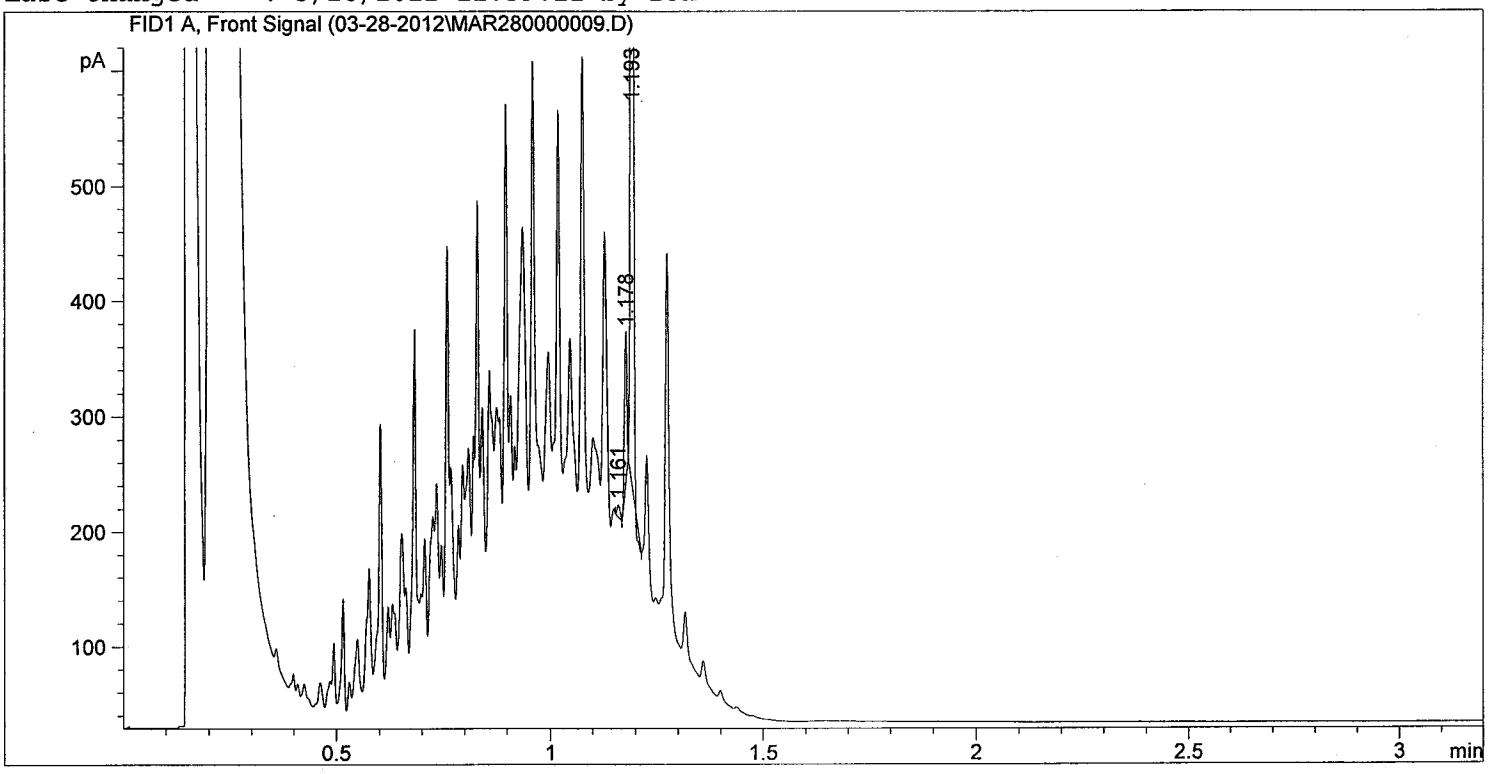
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000009.D
Sample Name: L4

==========

Acq. Operator	: BJH	Seq. Line	: 7
Acq. Instrument	: 333	Location	: Vial 6
Injection Date	: 3/28/2012 10:05:38	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	541.37646	8.91220e-2	48.24854		OTP (Surrogate

Totals : 48.24854

==========

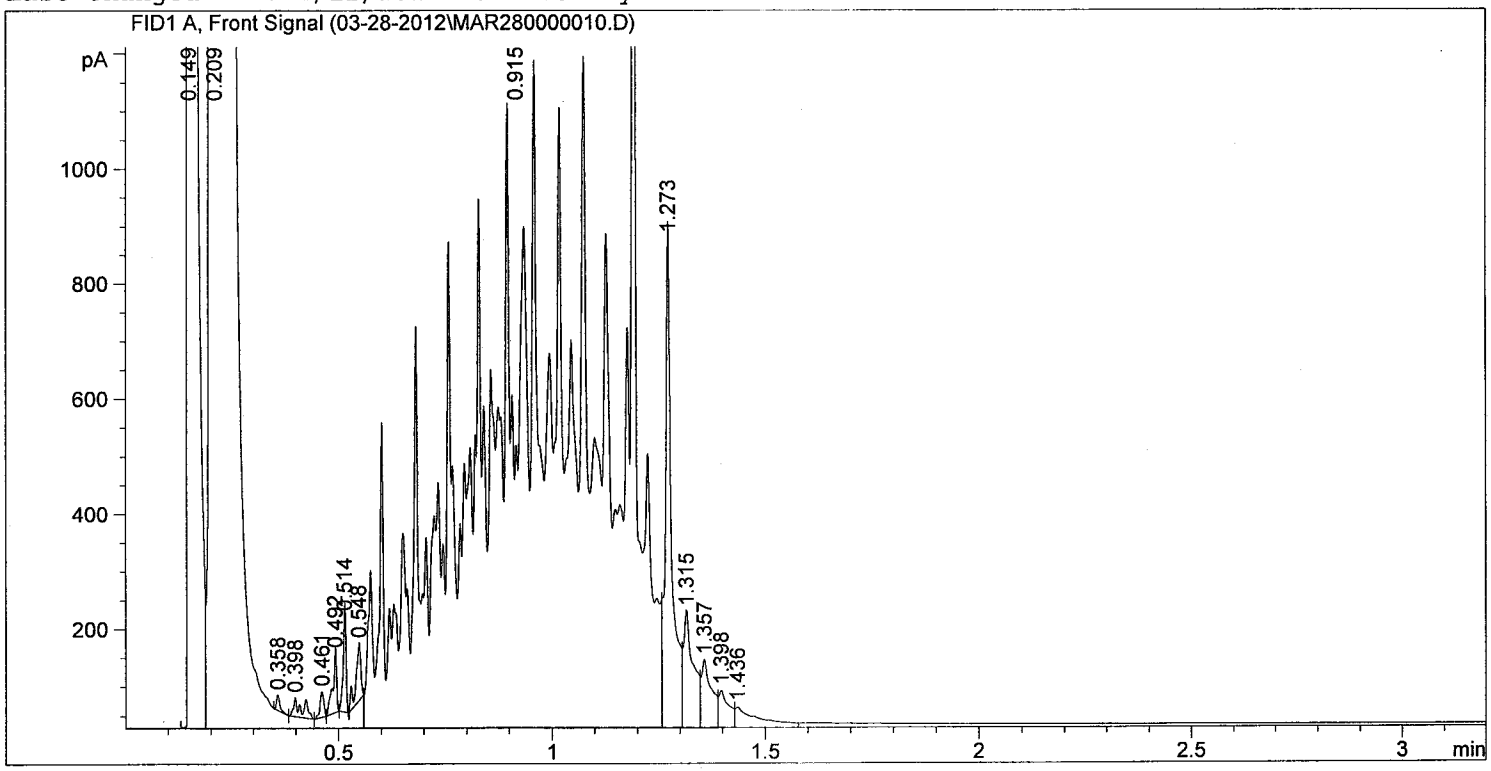
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000010.D
Sample Name: L5

==========

Acq. Operator	: BJH	Seq. Line :	8
Acq. Instrument	: 333	Location :	Vial 7
Injection Date	: 3/28/2012 10:12:36	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1132	1.91150e4	2.59370	EPA DRO (C10-C20)

Totals : 1.91150e4 2.5937

==========

*** End of Report ***

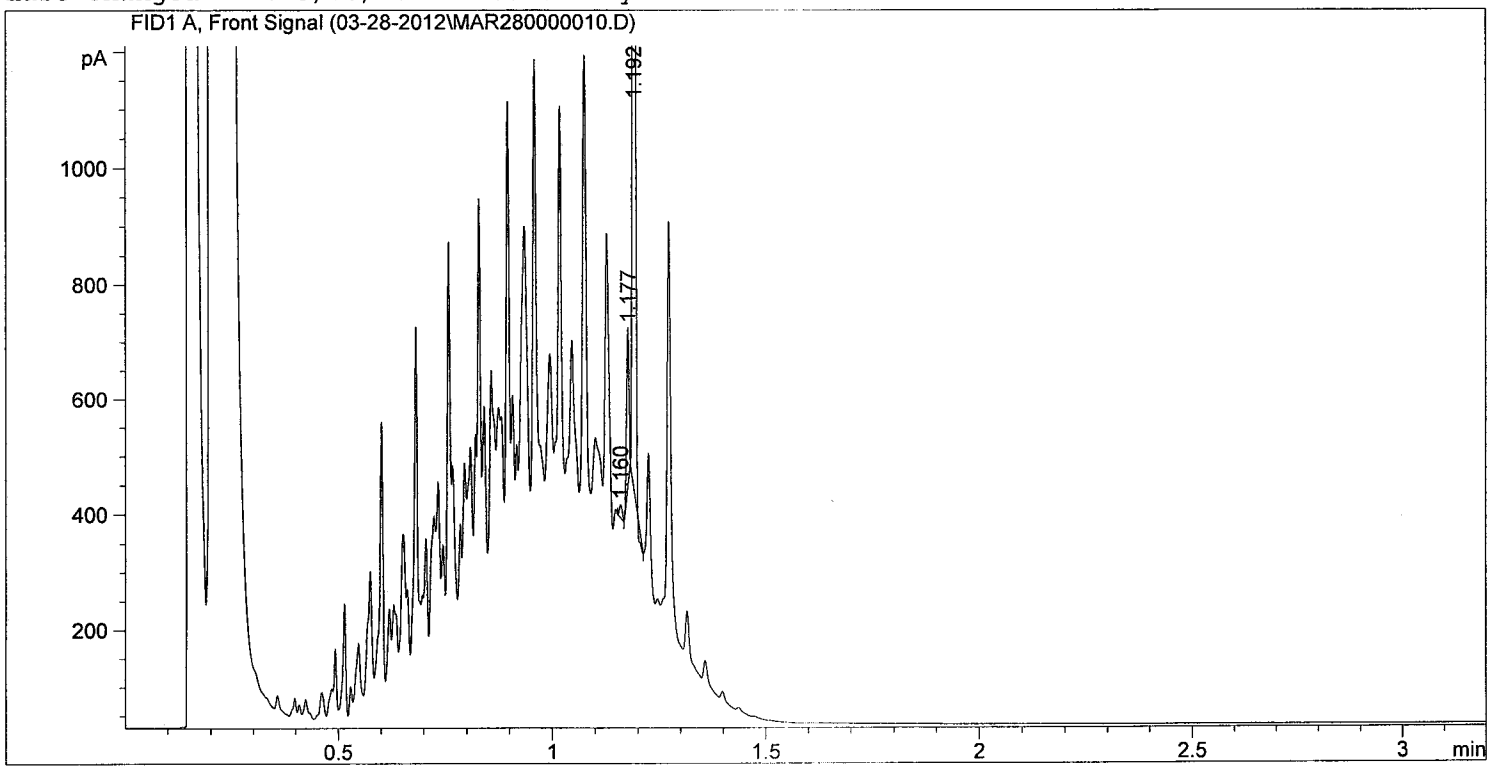
Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000010.D
Sample Name: L5

==========

Acq. Operator : BJH
Acq. Instrument : 333
Injection Date : 3/28/2012 10:12:36

Seq. Line : 8
Location : Vial 7
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	1089.72241	8.67289e-2	94.51037		OTP (Surrogate

Totals : 94.51037

==========

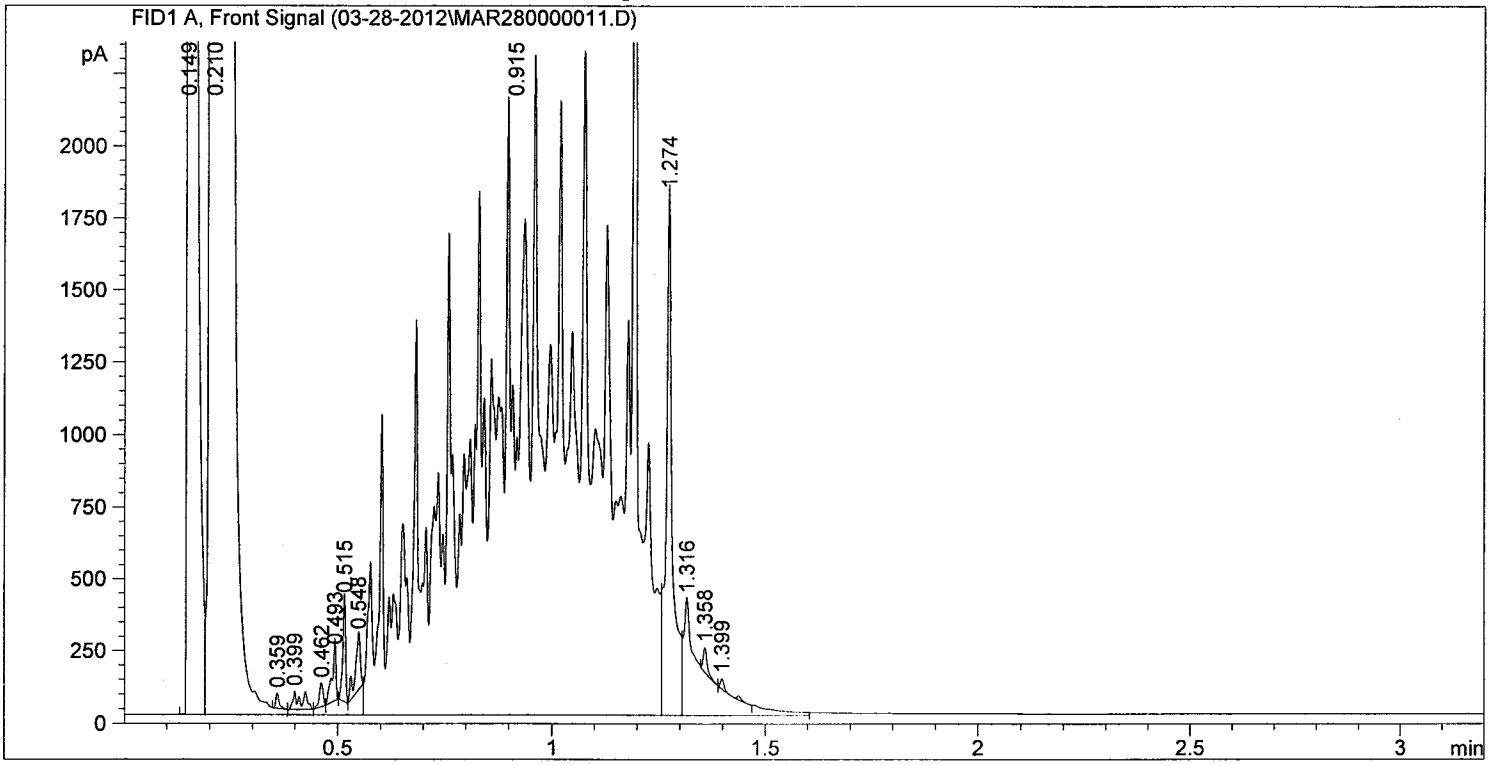
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000011.D
Sample Name: L6

==========

Acq. Operator	: BJH	Seq. Line :	9
Acq. Instrument	: 333	Location :	Vial 8
Injection Date	: 3/28/2012 10:19:35	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M
Last changed : 4/12/2012 13:46:31 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1105	3.77292e4	4.97223	EPA DRO (C10-C20)
Totals :				3.77292e4	4.9722	

==========

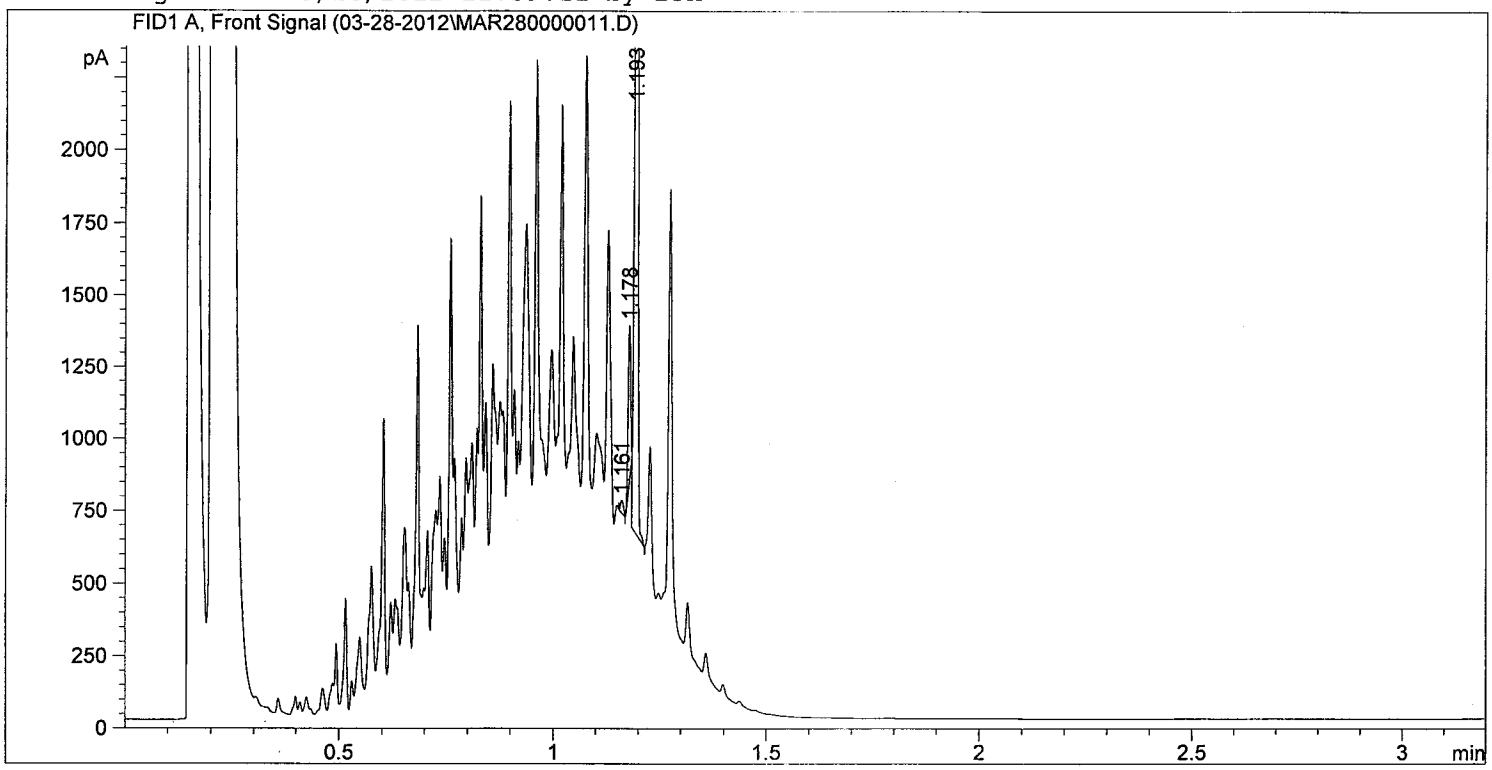
*** End of Report ***

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000011.D
Sample Name: L6

==========

Acq. Operator	: BJH	Seq. Line	: 9
Acq. Instrument	: 333	Location	: Vial 8
Injection Date	: 3/28/2012 10:19:35	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	VB S	2374.23145	8.54506e-2	202.87944		OTP (Surrogate

Totals : 202.87944

==========

*** End of Report ***

6/8/12

Calibration Table

Calib. Data Modified : 3/27/2012 8:52:39

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear (some peaks differ, see below)
Origin : Included (some peaks differ, see below)
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
0.910	1	1	125.00000	1521.43188	8.21594e-2			EPA DRO (C10-C20)
		2	250.00000	2747.96313	9.09765e-2			
		3	500.00000	5609.15527	8.91400e-2			
		4	1000.00000	1.11865e4	8.93932e-2			
		5	2000.00000	1.98898e4	1.00554e-1			
		6	4000.00000	3.84213e4	1.04109e-1			

More compound-specific settings:

Compound: EPA DRO (C10-C20)
Curve Type : Linear
Origin : Ignored

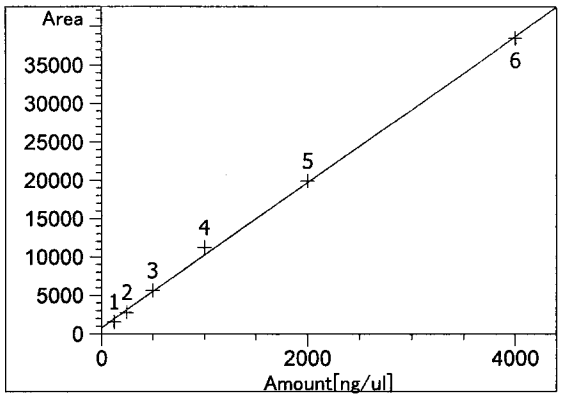
Peak Sum Table

No Entries in table

==========

Calibration Curves

==========



EPA DRO (C10-C20) at exp. RT: 0.910
FID1 A, Front Signal
Correlation: 0.99933
Residual Std. Dev.: 575.41298
Formula: y = mx + b
m: 9.47507
b: 793.33194
x: Amount
y: Area

==========

Calibration Table

Surrogate

Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear (some peaks differ, see below)
Origin : Ignored (some peaks differ, see below)
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
1.192	1	1	6.25000	78.40884	7.97104e-2			OTP (Surrogate
		2	12.50000	156.83330	7.97025e-2			
		3	25.00000	314.98273	7.93694e-2			
		4	50.00000	609.28094	8.20639e-2			
		5	100.00000	1221.60059	8.18598e-2			
		6	200.00000	2669.80835	7.49117e-2			
1.614	1	1	6.25000	71.74459	8.71146e-2			Triacontane
		2	12.50000	144.24892	8.66558e-2			
		3	25.00000	300.77930	8.31174e-2			
		4	50.00000	594.25476	8.41390e-2			
		5	100.00000	1179.50623	8.47812e-2			
		6	200.00000	2295.95264	8.71098e-2			

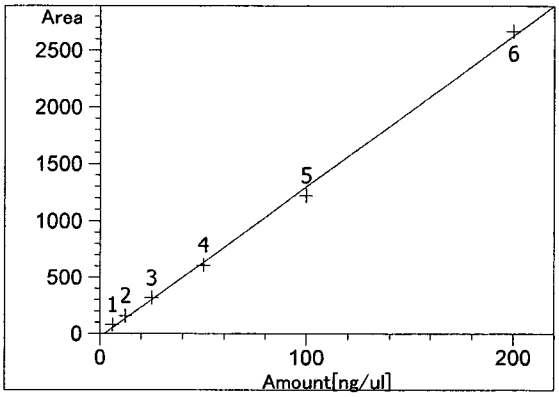
More compound-specific settings:

Compound: OTP (Surrogate
Curve Type : Linear
Origin : Ignored

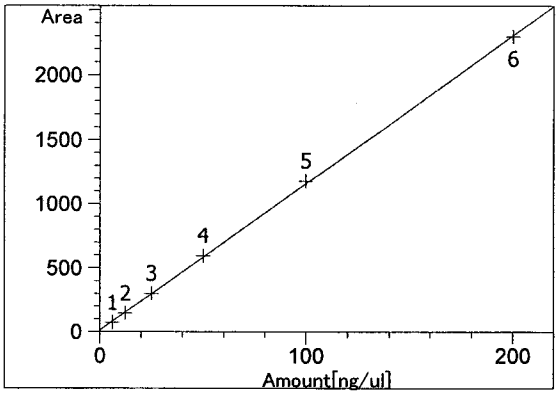
Peak Sum Table

No Entries in table

Calibration Curves



OTP (Surrogate at exp. RT: 1.192
FID1 A, Front Signal
Correlation: 0.99901
Residual Std. Dev.: 49.00359
Formula: y = mx + b
m: 13.29834
b: -30.88424
x: Amount
y: Area

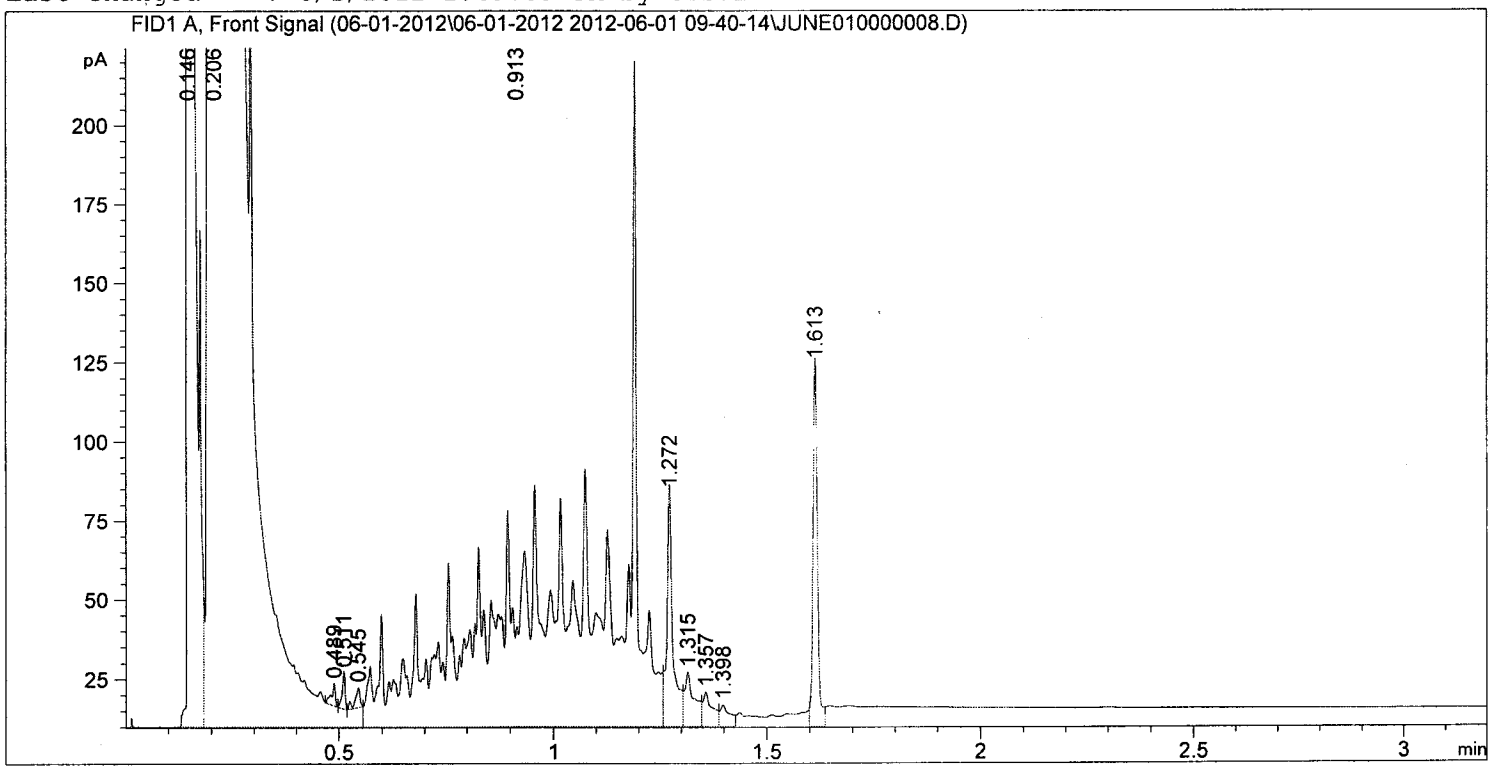


Triacontane at exp. RT: 1.614
FID1 A, Front Signal
Correlation: 0.99988
Residual Std. Dev.: 14.67291
Formula: y = mx + b
m: 11.48586
b: 10.65509
x: Amount
y: Area

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000008.D
Sample Name: L1

==========

Acq. Operator : SYSTEM
Seq. Line : 4
Acq. Instrument : 333
Location : Vial 3
Injection Date : 6/1/2012 10:16:35 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1062	1300.79468	0.17579	EPA DRO (C10-C20)

Totals : 1300.79468 0.1758

==========

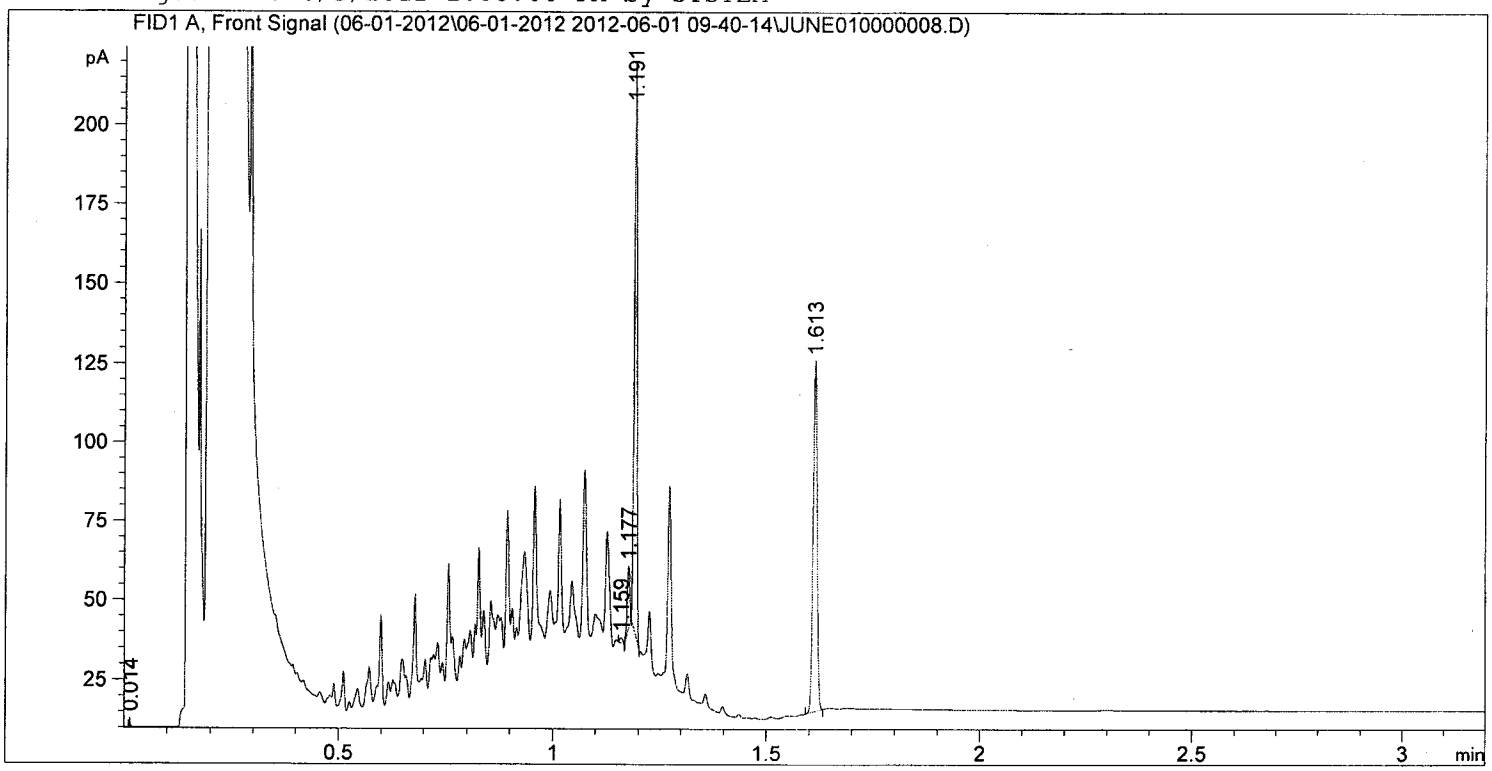
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000008.D
Sample Name: L1

==========

Acq. Operator	: SYSTEM	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 6/1/2012 10:16:35 AM	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.191	1	BB	78.40884	1.04817e-1	8.21855		OTP (Surrogate
1.613	1	BB	71.74459	7.41334e-2	5.31867		Triacontane

Totals : 13.53722

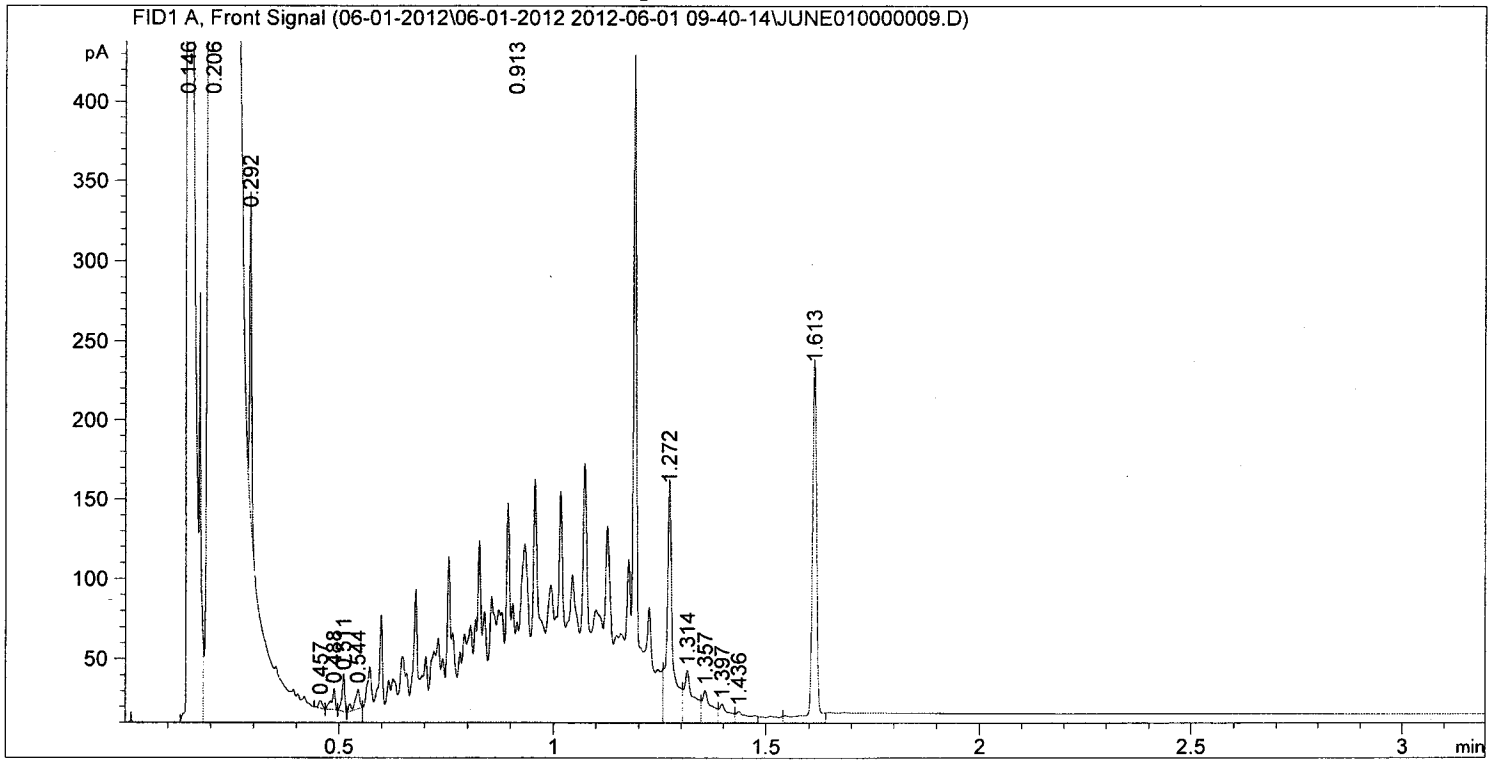
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000009.D
Sample Name: L2

==========

Acq. Operator : SYSTEM Seq. Line : 5
Acq. Instrument : 333 Location : Vial 4
Injection Date : 6/1/2012 10:23:34 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1047	2564.97046	0.34764	EPA DRO (C10-C20)

Totals : 2564.97046 0.3476

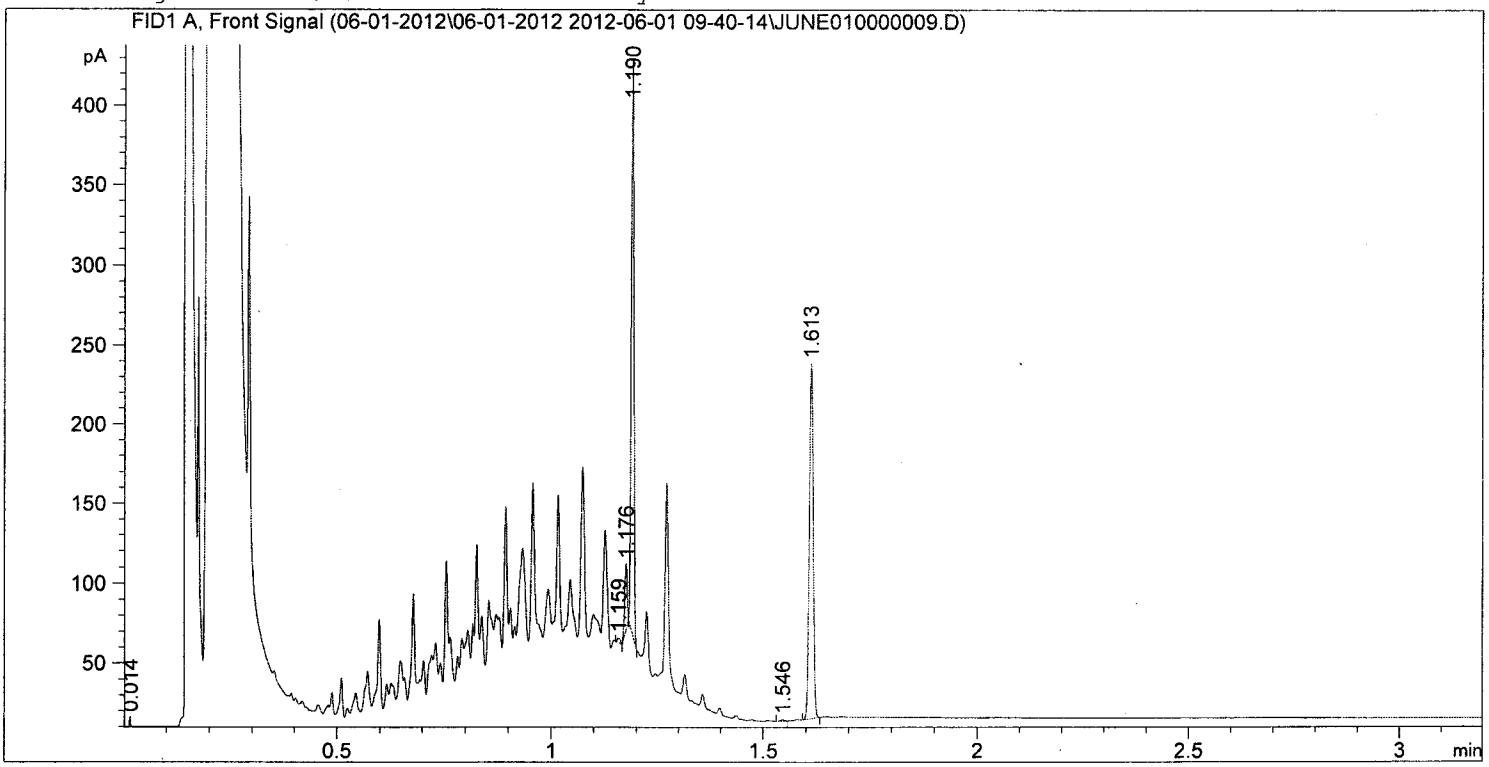
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000009.D
Sample Name: L2

==========

Acq. Operator : SYSTEM
Seq. Line : 5
Acq. Instrument : 333
Location : Vial 4
Injection Date : 6/1/2012 10:23:34 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.190	1	BB	156.83330	9.00055e-2	14.11587		OTP (Surrogate
1.613	1	BB	144.24892	8.06326e-2	11.63116		Triacontane

Totals : 25.74703

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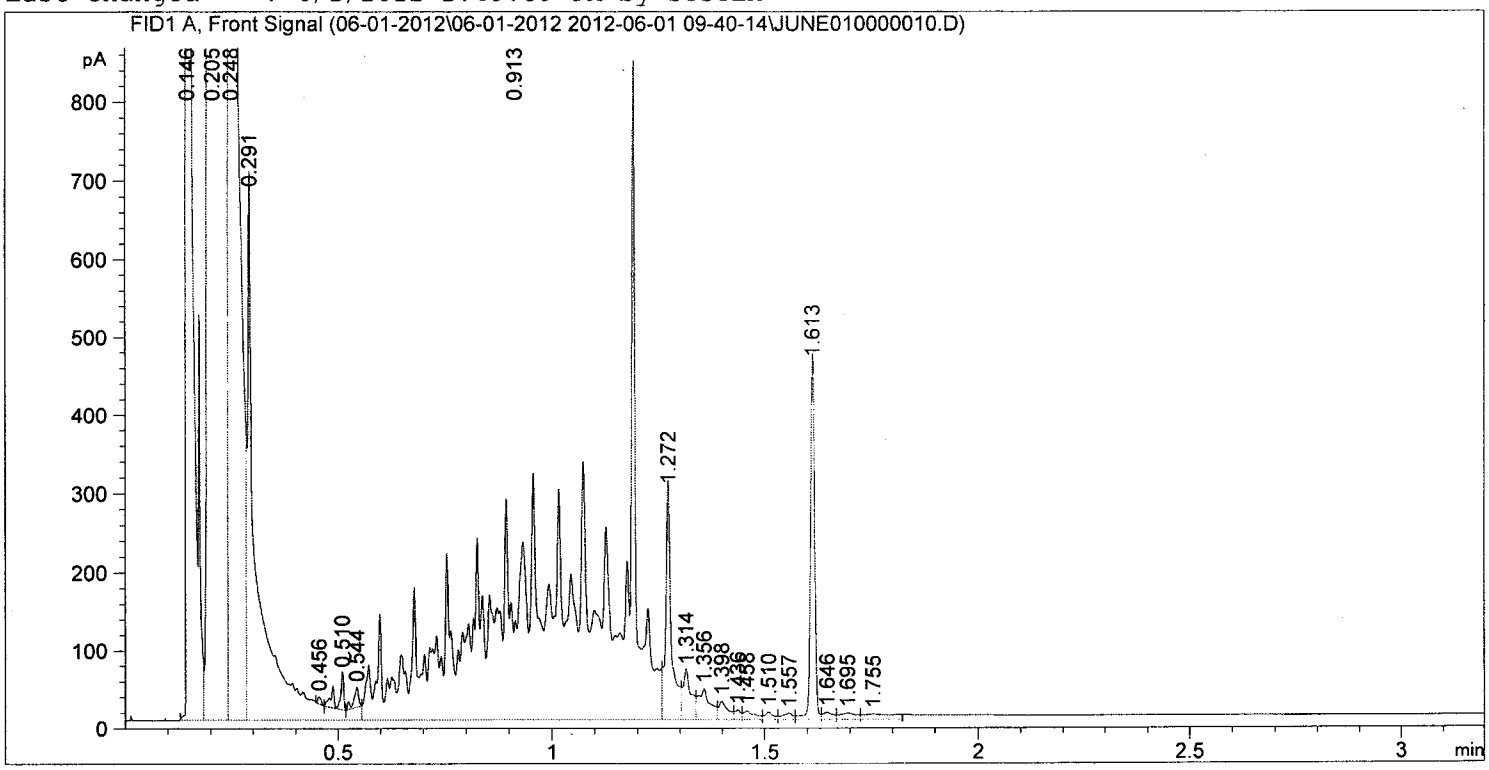
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000010.D
Sample Name: L3

==========

Acq. Operator : SYSTEM Seq. Line : 6
Acq. Instrument : 333 Location : Vial 5
Injection Date : 6/1/2012 10:30:30 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1060	5207.10596	0.68813	EPA DRO (C10-C20)

Totals : 5207.10596 0.6881

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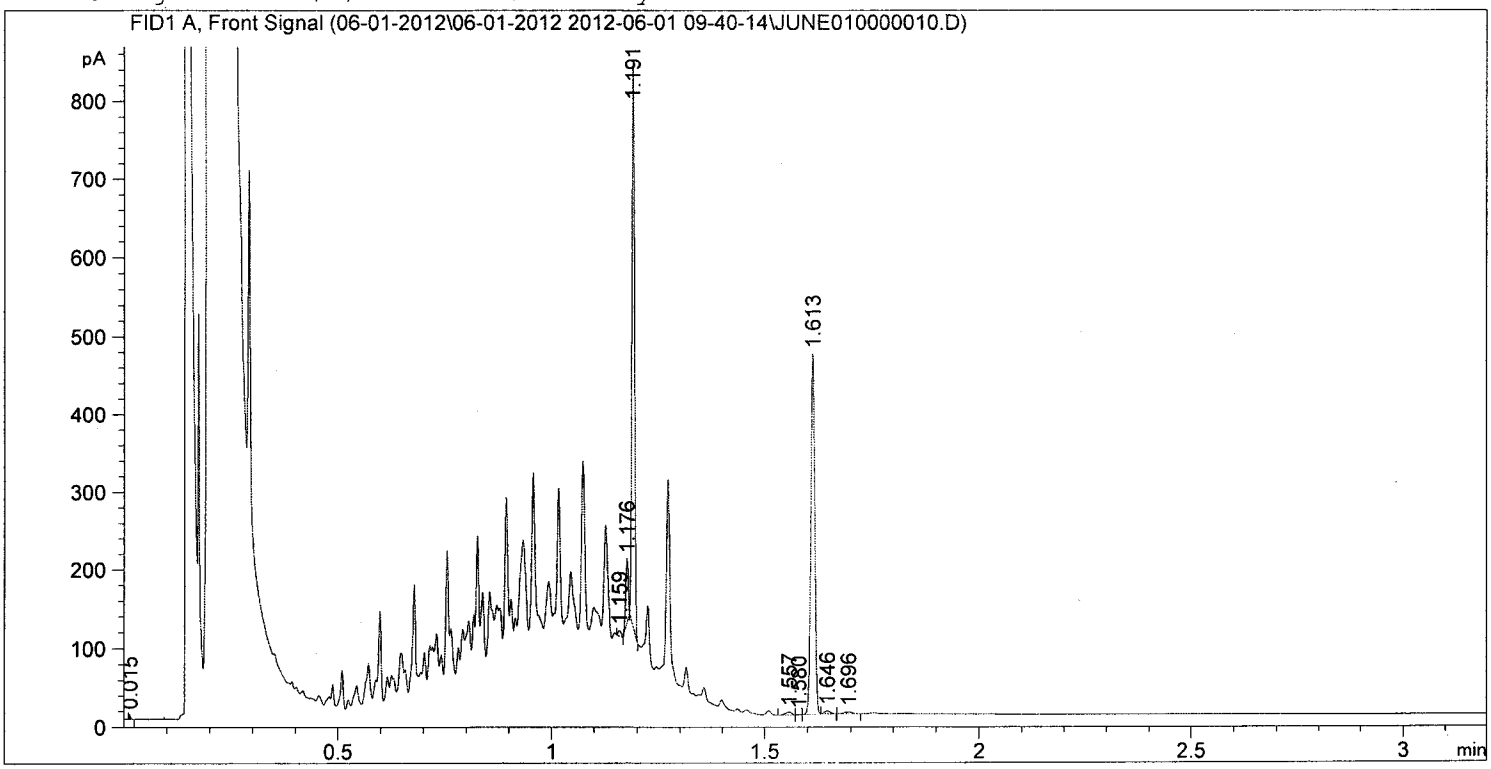
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000010.D
Sample Name: L3

==========

Acq. Operator : SYSTEM
Seq. Line : 6
Acq. Instrument : 333
Location : Vial 5
Injection Date : 6/1/2012 10:30:30 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.191	1	BB	314.98273	8.25705e-2	26.00829		OTP (Surrogate
1.613	1	BV R	300.77930	8.39794e-2	25.25926		Triacontane

Totals : 51.26755

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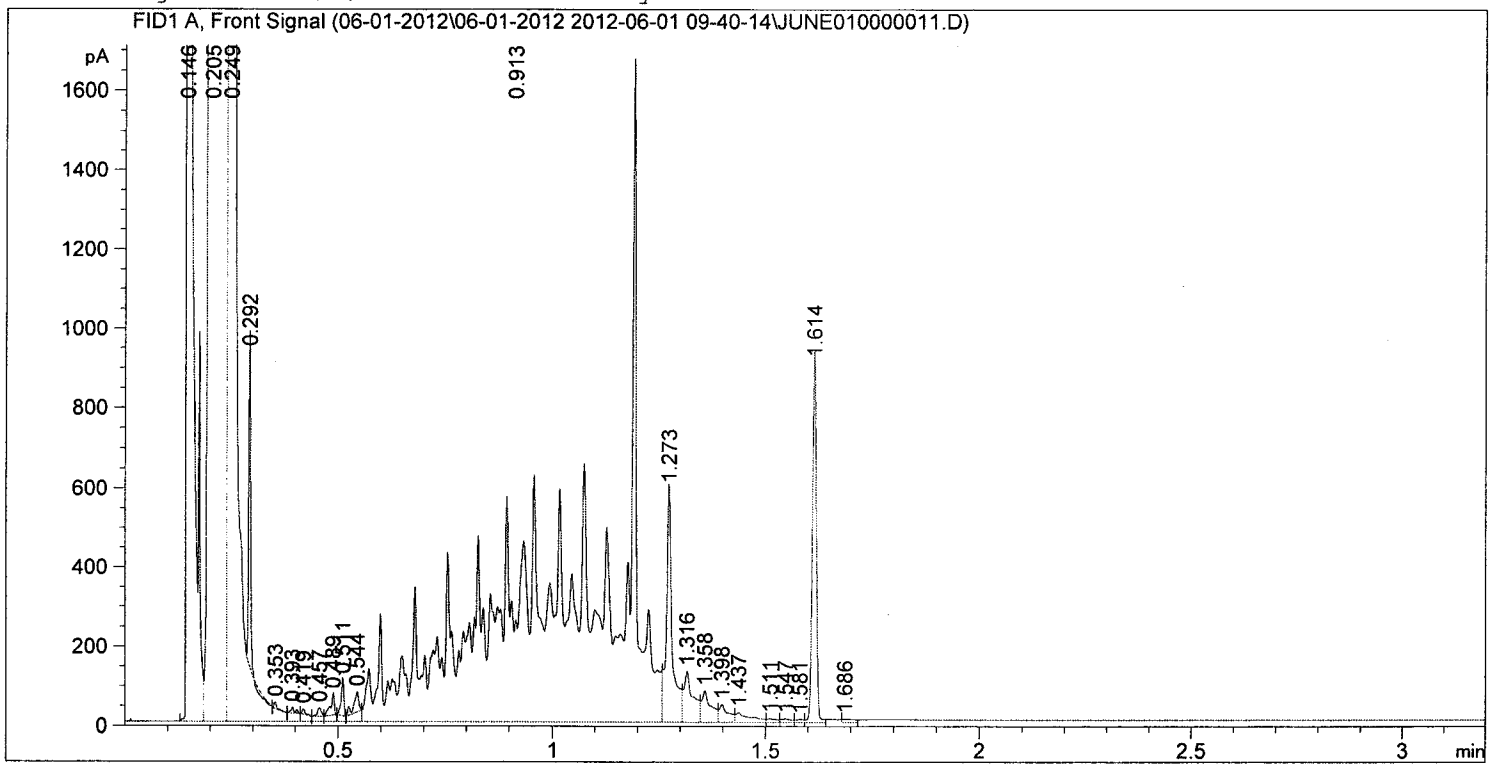
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000011.D
Sample Name: L4

==========

Acq. Operator : SYSTEM
Seq. Line : 7
Acq. Instrument : 333
Location : Vial 6
Injection Date : 6/1/2012 10:37:24 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1078	1.03251e4	1.31534	EPA DRO (C10-C20)

Totals : 1.03251e4 1.3153

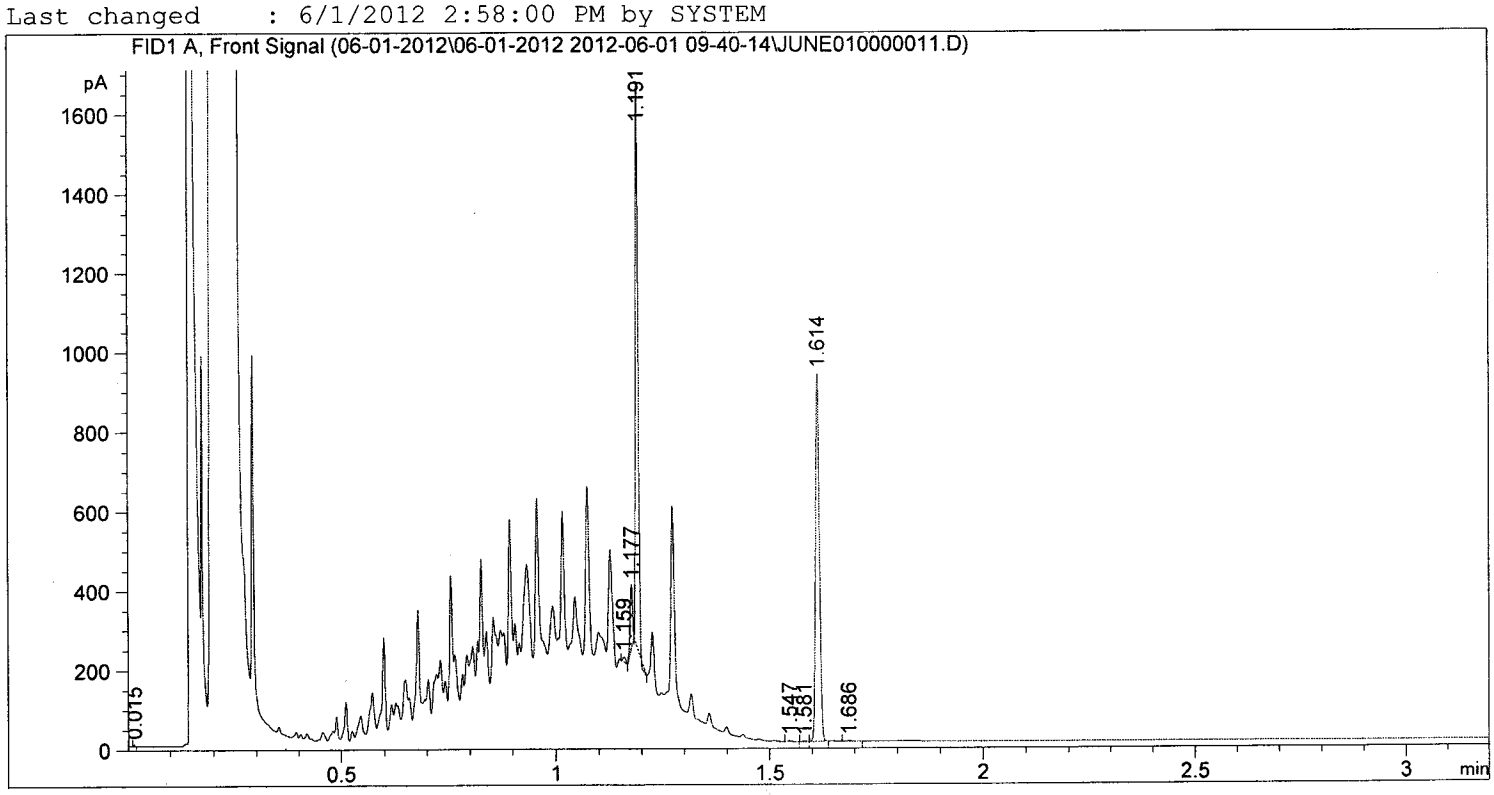
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000011.D
Sample Name: L4

==========

Acq. Operator : SYSTEM
Seq. Line : 7
Acq. Instrument : 333
Location : Vial 6
Injection Date : 6/1/2012 10:37:24 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.191	1	BB S	609.28094	7.90091e-2	48.13874		OTP (Surrogate
1.614	1	BB	594.25476	8.55025e-2	50.81029		Triacontane

Totals : 98.94903

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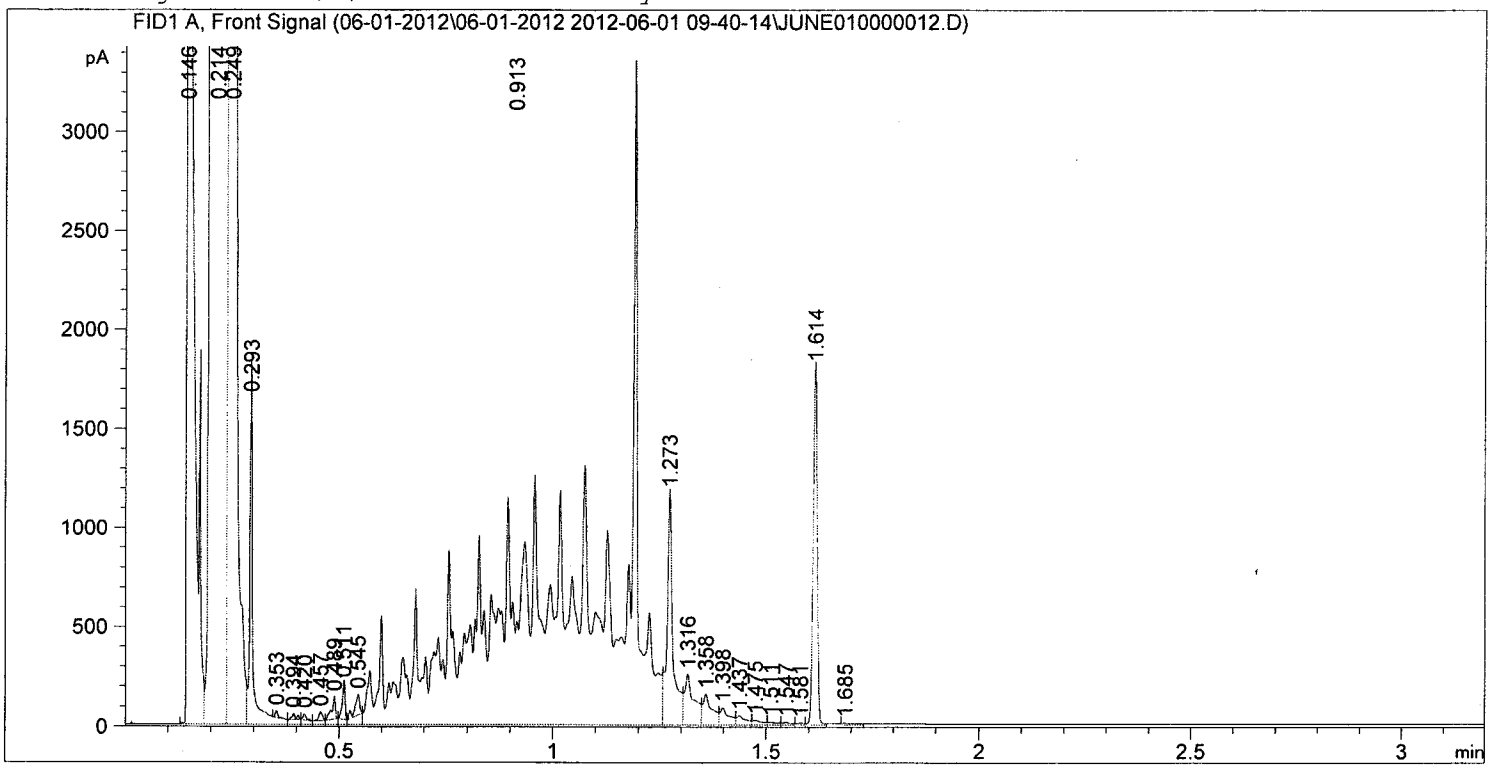
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000012.D
Sample Name: L5

==========

Acq. Operator : SYSTEM
Seq. Line : 8
Acq. Instrument : 333
Location : Vial 7
Injection Date : 6/1/2012 10:44:19 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1125	2.07203e4	2.45186	EPA DRO (C10-C20)

Totals : 2.07203e4 2.4519

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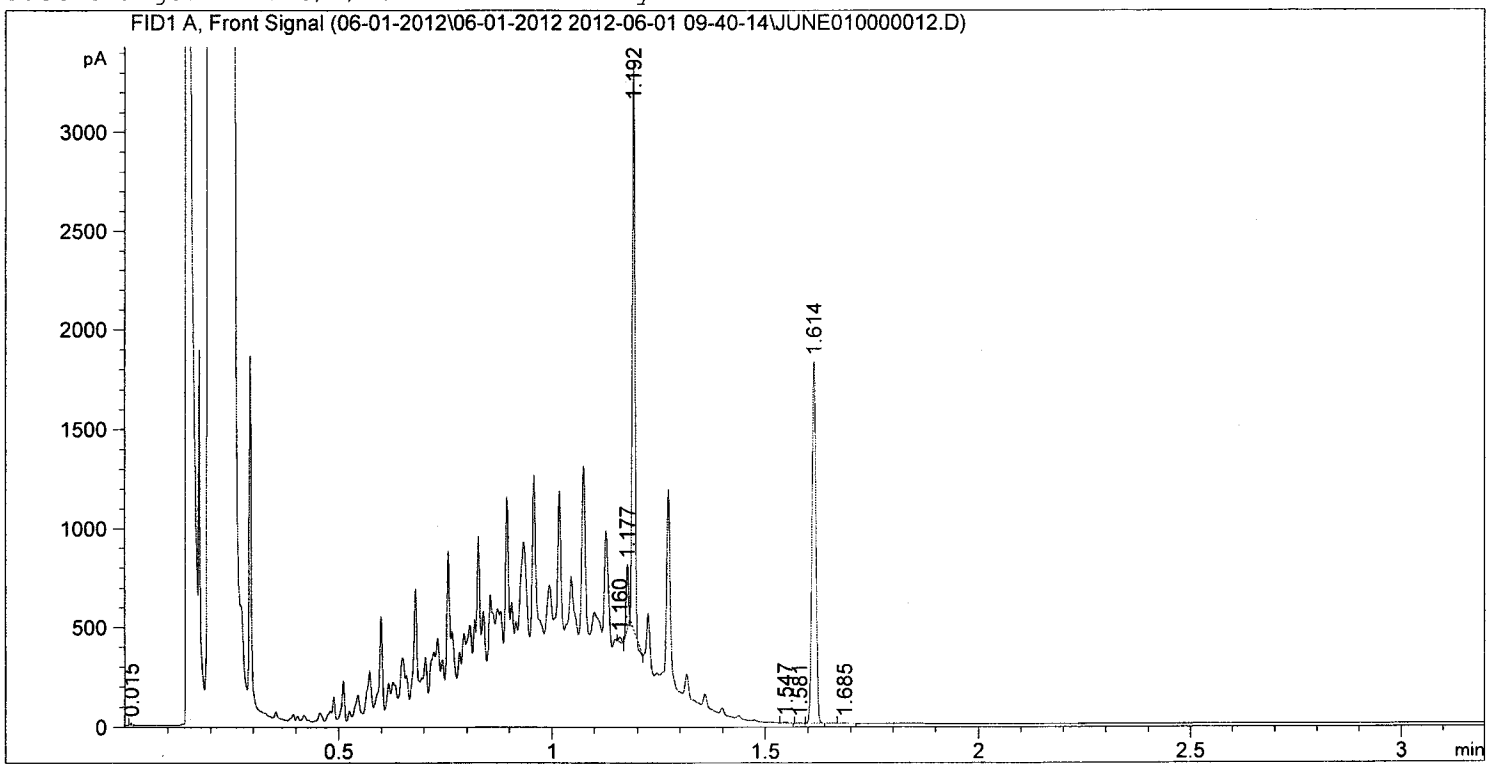
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000012.D
Sample Name: L5

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : 333 Location : Vial 7
Injection Date : 6/1/2012 10:44:19 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	1221.60059	7.70985e-2	94.18357		OTP (Surrogate
1.614	1	VB S	1179.50623	8.62771e-2	101.76439		Triacontane

Totals : 195.94796

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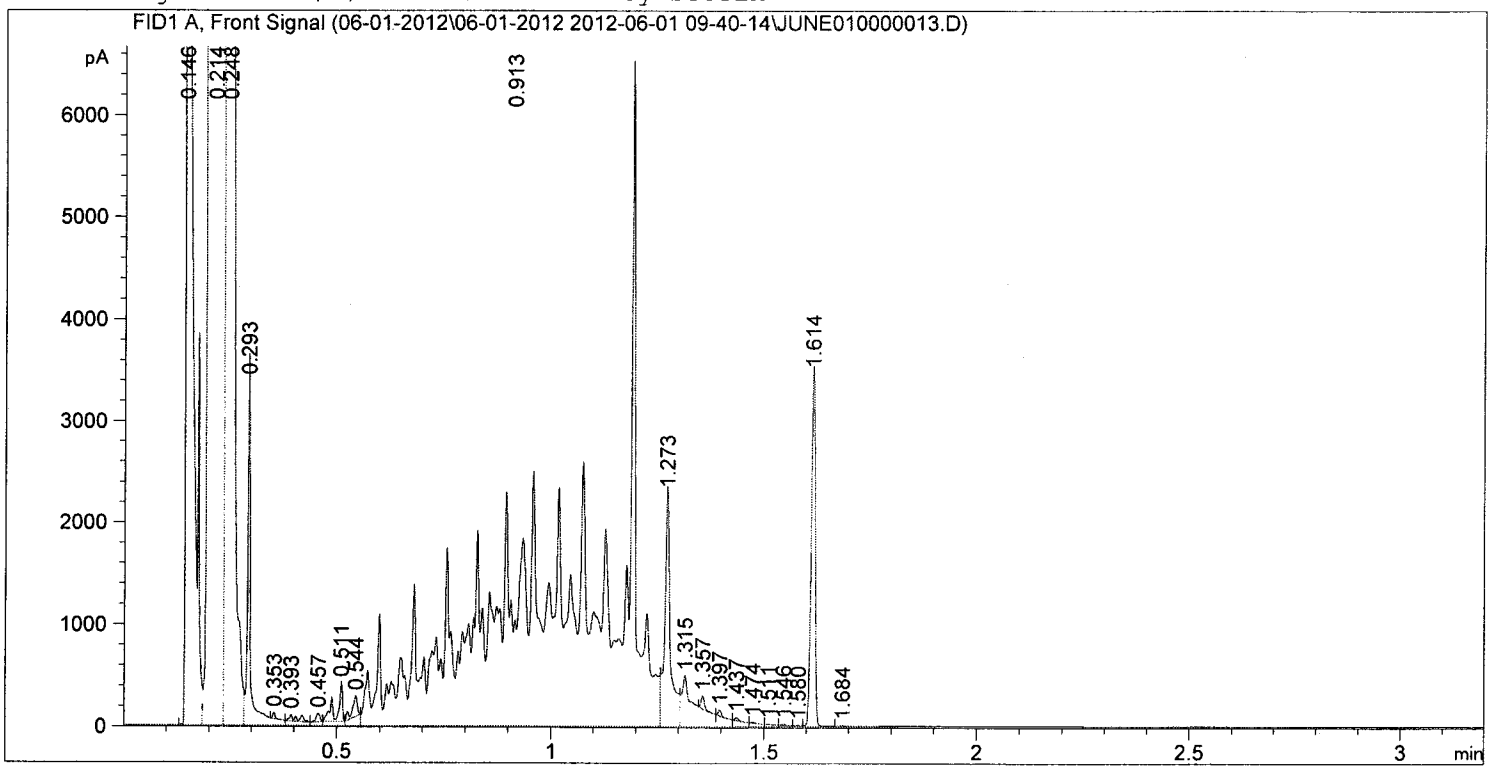
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000013.D
Sample Name: L6

==========

Acq. Operator : SYSTEM
Seq. Line : 9
Acq. Instrument : 333
Location : Vial 8
Injection Date : 6/1/2012 10:51:17 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1143	4.12051e4	4.36004	EPA DRO (C10-C20)

Totals : 4.12051e4 4.3600

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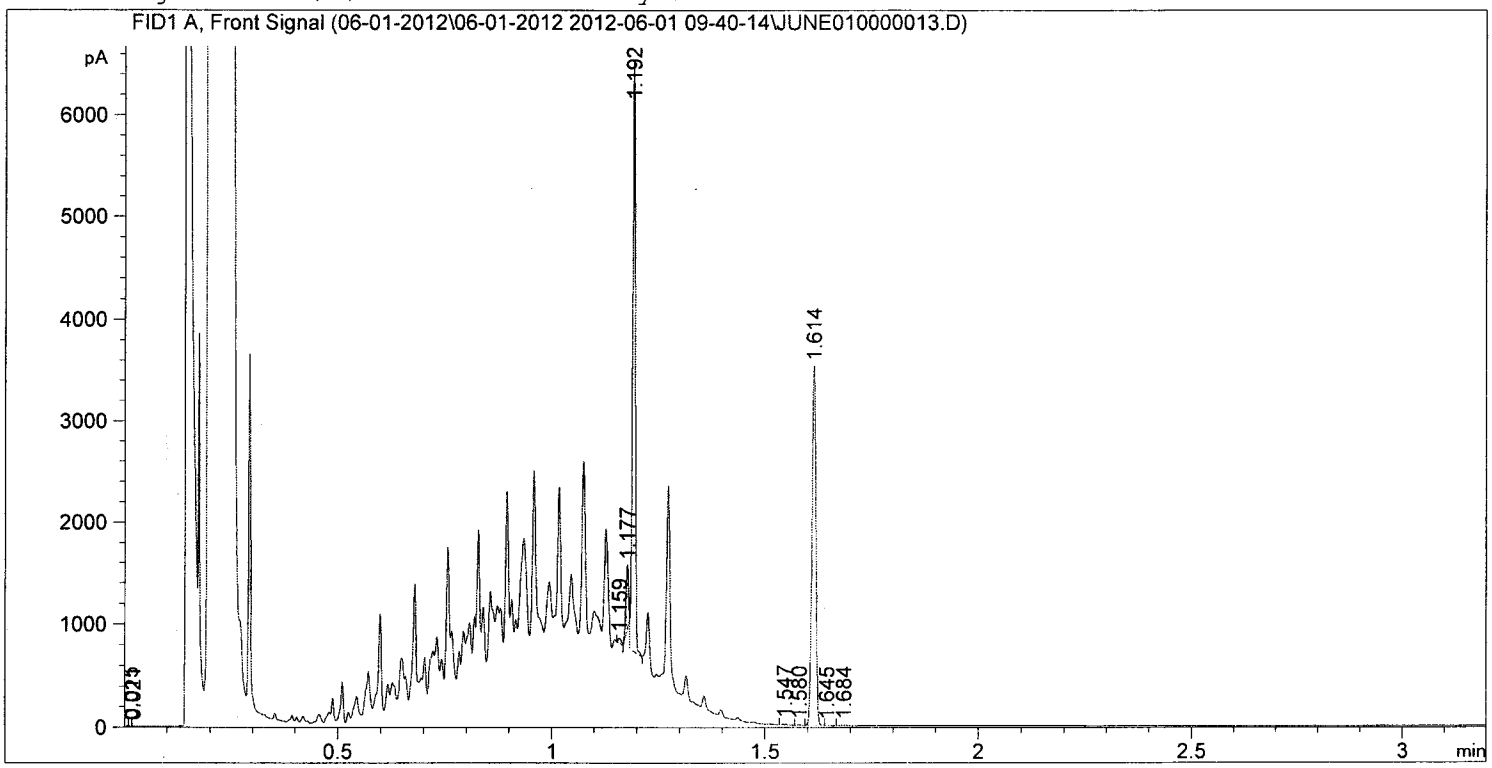
*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000013.D
Sample Name: L6

==========

Acq. Operator : SYSTEM
Seq. Line : 9
Acq. Instrument : 333
Location : Vial 8
Injection Date : 6/1/2012 10:51:17 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	VB S	2669.80835	7.60673e-2	203.08499		OTP (Surrogate
1.614	1	VB S	2295.95264	8.66596e-2	198.96623		Triacontane

Totals : 402.05122

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*** End of Report ***

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2D12036-SCV1
Sequence: 2D12036

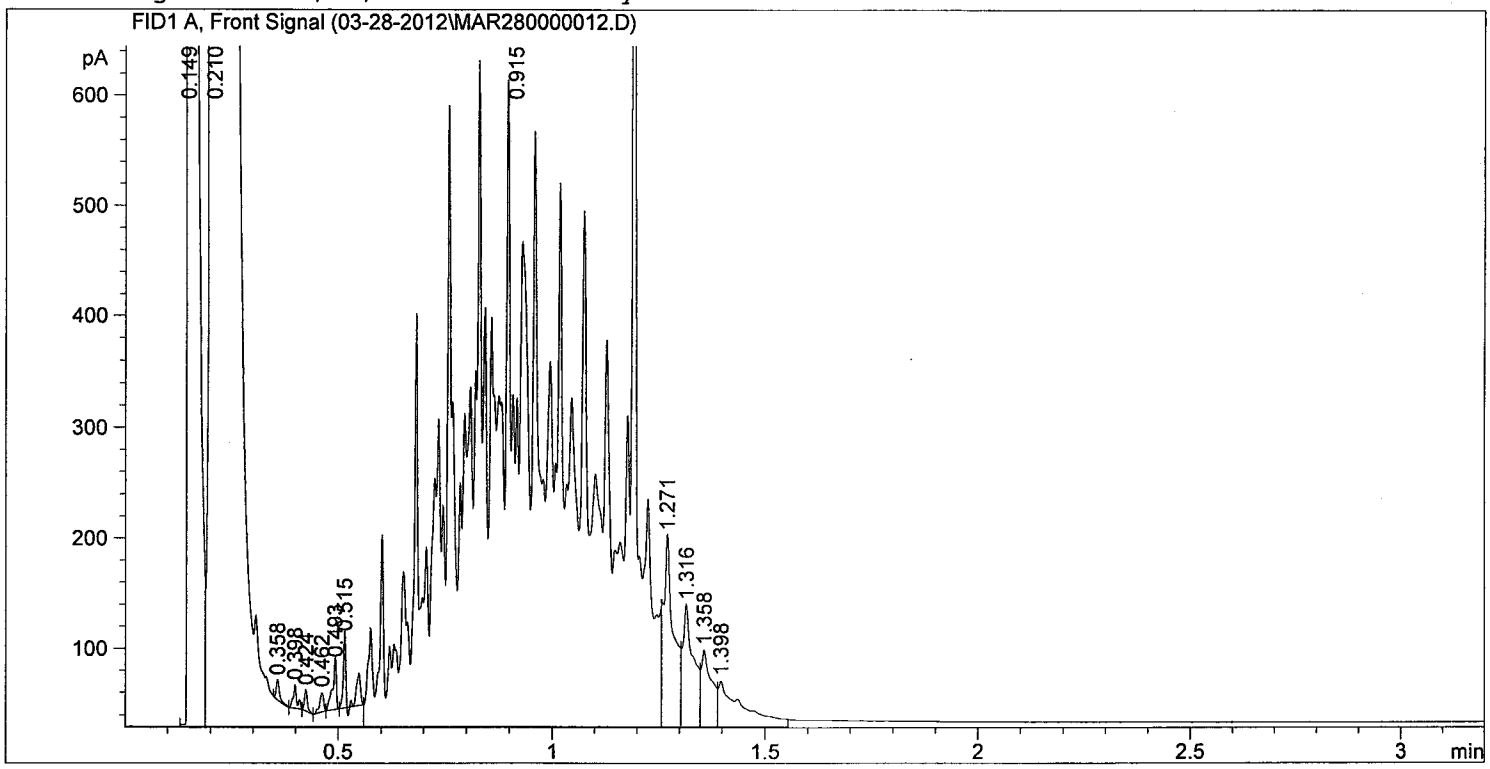
SDG: KNM050712
Project: KNM
Standard ID: 2031320
Calibration: 2D12010

Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
DRO - 8015 (C10-C20)	1000	983	98	75-125
o-Terphenyl	50.0	45.0	90	75-125

* Values outside of QC limits

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000012.D
Sample Name: SCV

Acq. Operator	: BJH	Seq. Line	: 10
Acq. Instrument	: 333	Location	: Vial 9
Injection Date	: 3/28/2012 10:26:30	Inj	: 1
		Inj Volume	: 1 µl
Acq. Method	: C:\CHEM32\1\METHODS\DRO_BF.M		
Last changed	: 3/31/2011 14:59:06 by ASC		
Analysis Method	: C:\CHEM32\1\METHODS\DRO(C10-C20)_03-28-2012+CAL.M		
Last changed	: 4/12/2012 13:46:31 by BJH		



Area Percent Report

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.915	HHA+	0.1238	9291.92090	1.30728	EPA DRO (C10-C20)

Totals : 9291.92090 1.3073

*** End of Report ***

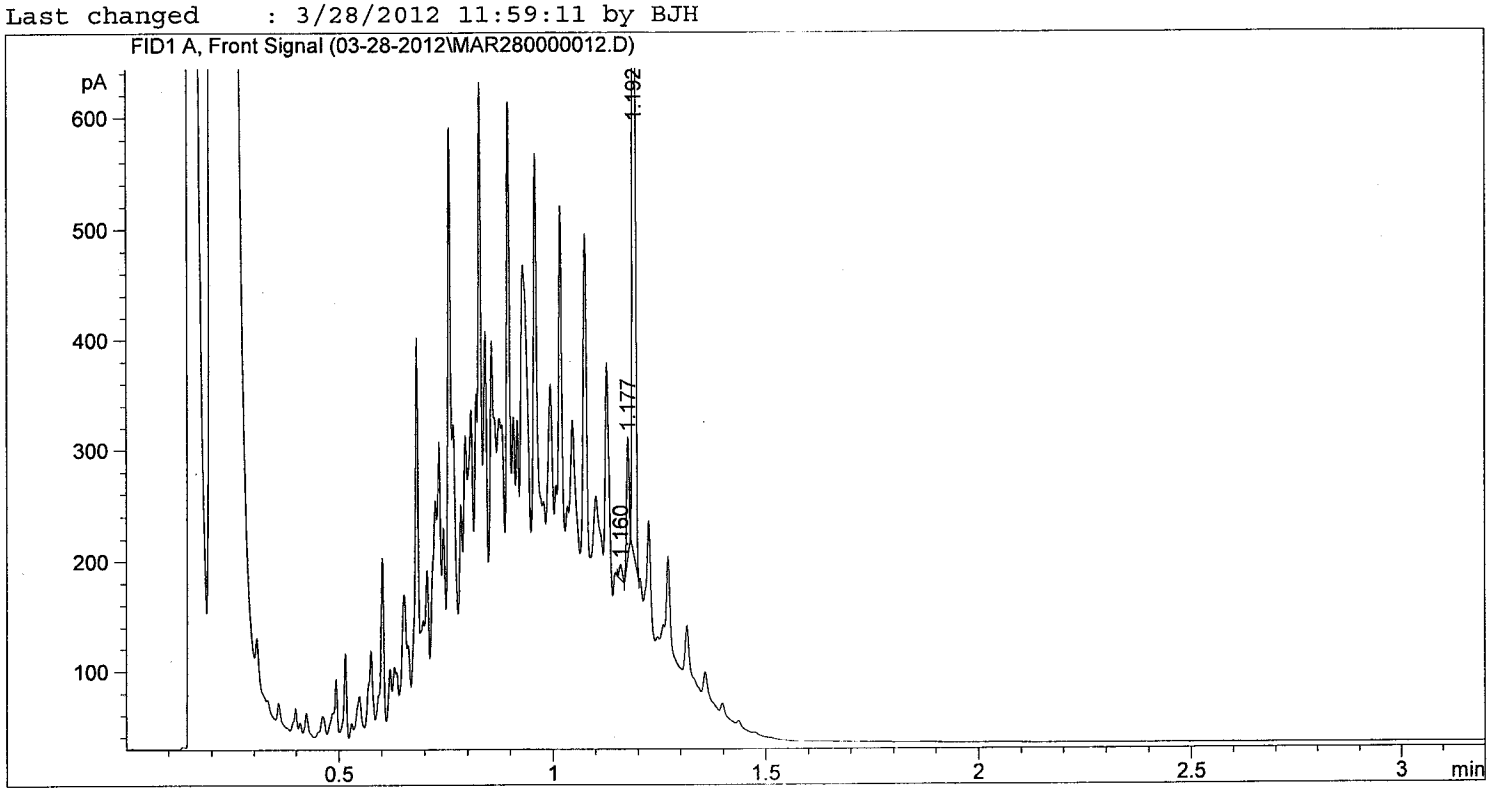
JB 4-18-12

Data File C:\CHEM32\1\DATA\03-28-2012\MAR280000012.D
Sample Name: SCV

==========

Acq. Operator	: BJH	Seq. Line	: 10
Acq. Instrument	: 333	Location	: Vial 9
Injection Date	: 3/28/2012 10:26:30	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 3/28/2012 11:59:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 3/28/2012 11:58:53
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	502.83121	8.94865e-2	44.99663		OTP (Surrogate

Totals : 44.99663

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*** End of Report ***

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Laboratory ID: 2F01048-SCV1
Sequence: 2F01048

SDG: KNM050712
Project: KNM
Standard ID: 2030233
Calibration: 2F04007

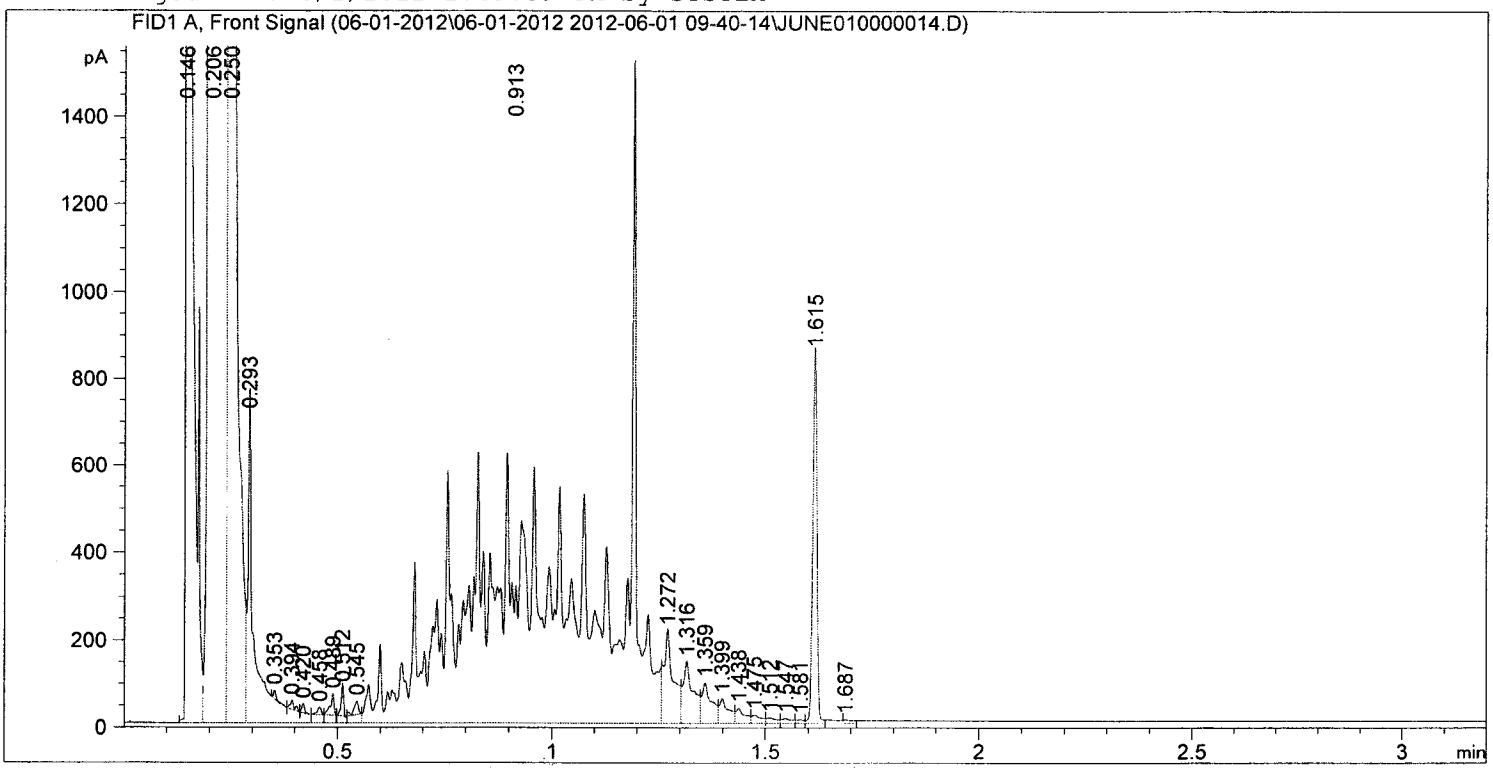
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
DRO - 8015 (C10-C20)	1000	980	98	75-125
o-Terphenyl	50.0	45.1	90	80-120

* Values outside of QC limits

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000014.D
Sample Name: SCV

==========

Acq. Operator : SYSTEM Seq. Line : 10
Acq. Instrument : 333 Location : Vial 9
Injection Date : 6/1/2012 10:58:15 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1220	1.00729e4	1.26244	EPA DRO (C10-C20)

Totals : 1.00729e4 1.2624

==========

*** End of Report ***

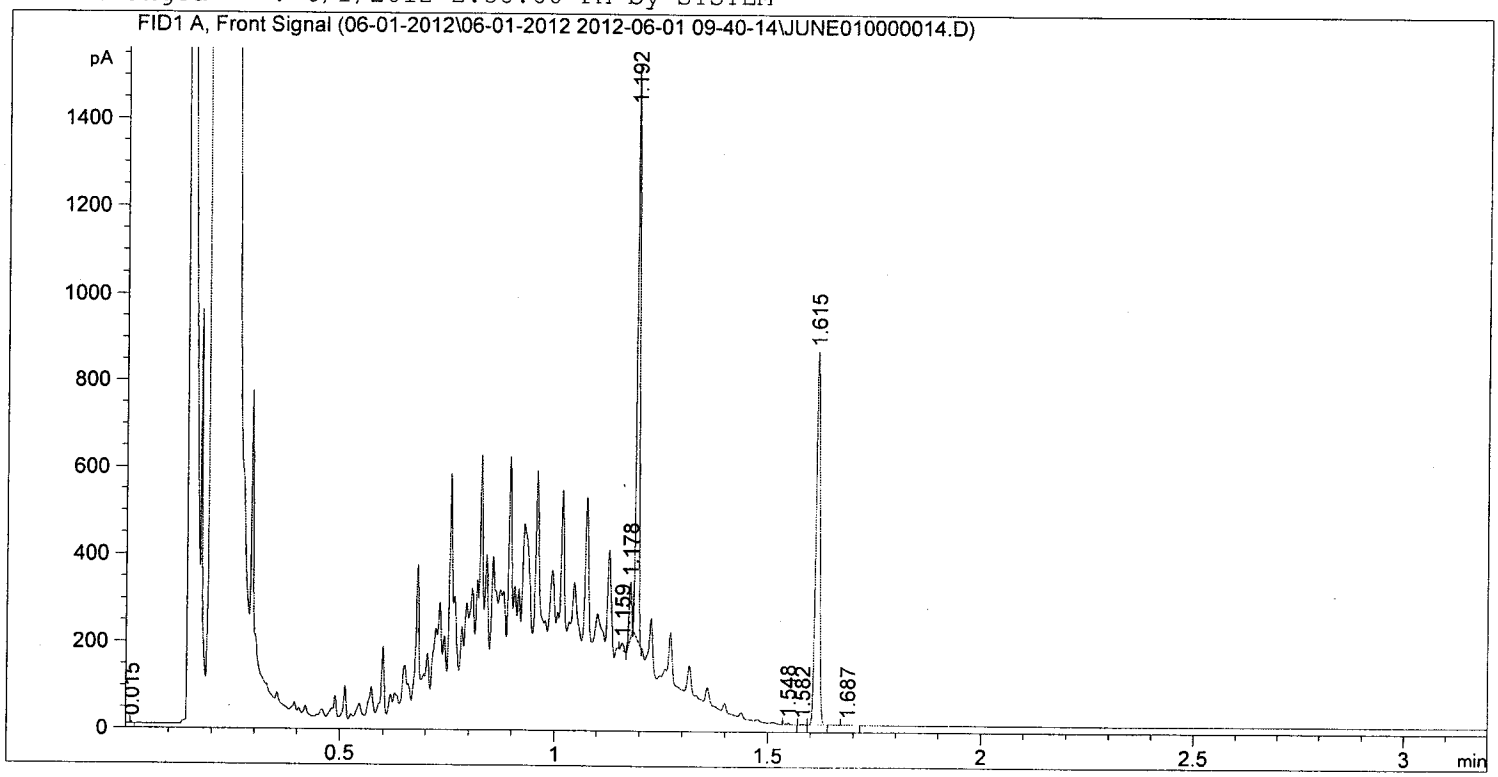
Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000014.D
Sample Name: SCV

==========

Acq. Operator : SYSTEM
Acq. Instrument : 333
Injection Date : 6/1/2012 10:58:15 AM

Seq. Line : 10
Location : Vial 9
Inj : 1
Inj Volume : 1 µl

Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	568.23157	7.92845e-2	45.05193		OTP (Surrogate
1.615	1	BB	562.17902	8.54135e-2	48.01766		Triacontane

Totals : 93.06959

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*** End of Report ***

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E16032-CCV1
Lab File ID: MAY160000008.D
Injection Date: 05/16/12
Injection Time: 09:56
Calibration Date: 03/28/12 08:43
Calibration: 2D12010
Sequence: 2E16032
Instrument ID: 333

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
DRO - 8015 (C10-C20)	L	1000	1040	8.66025	9.226		4.2	20

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

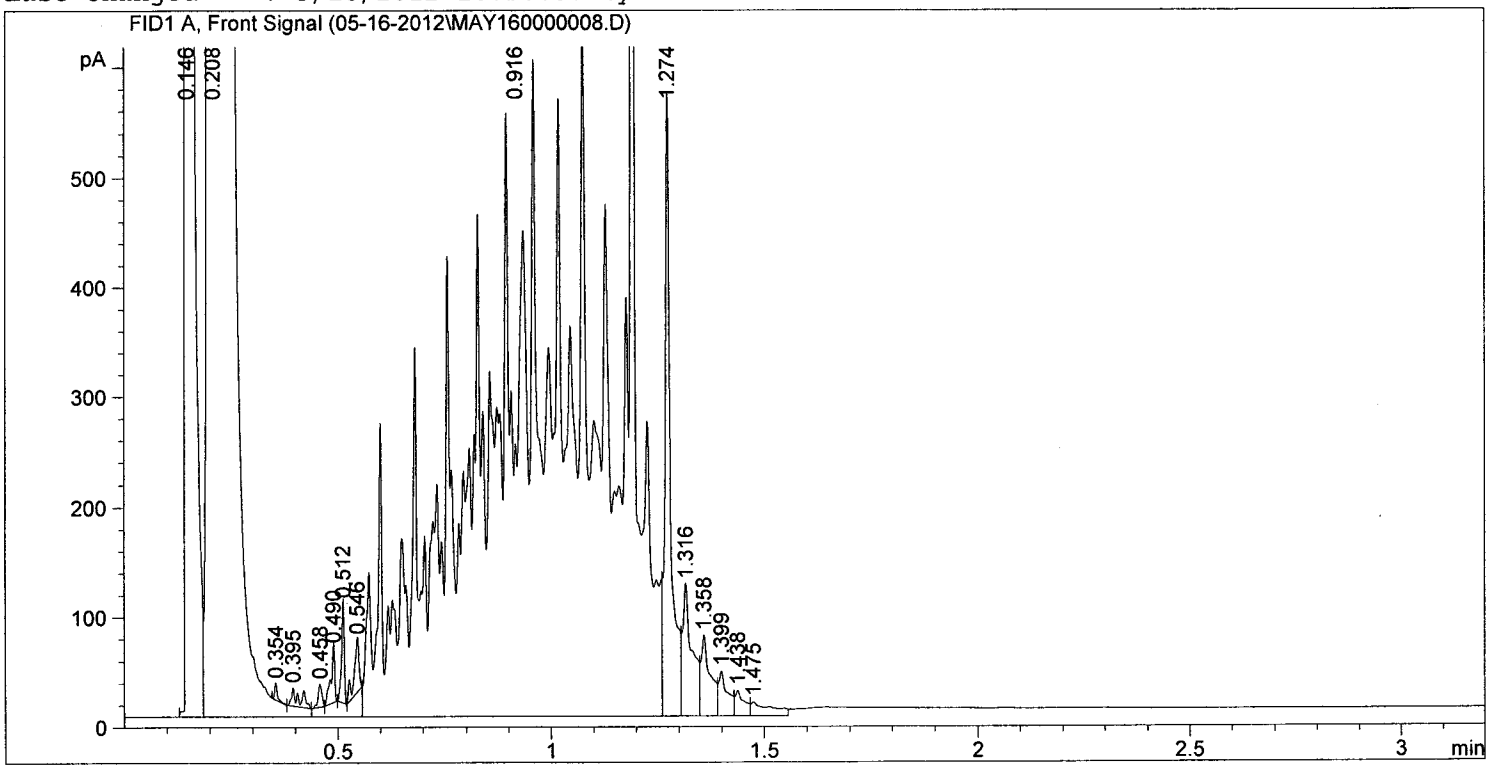
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000008.D
Sample Name: CCV1

==========

Acq. Operator	: BJH	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 5/16/2012 9:56:56	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1078	9936.14648	1.32461	EPA DRO (C10-C20)

Totals : 9936.14648 1.3246

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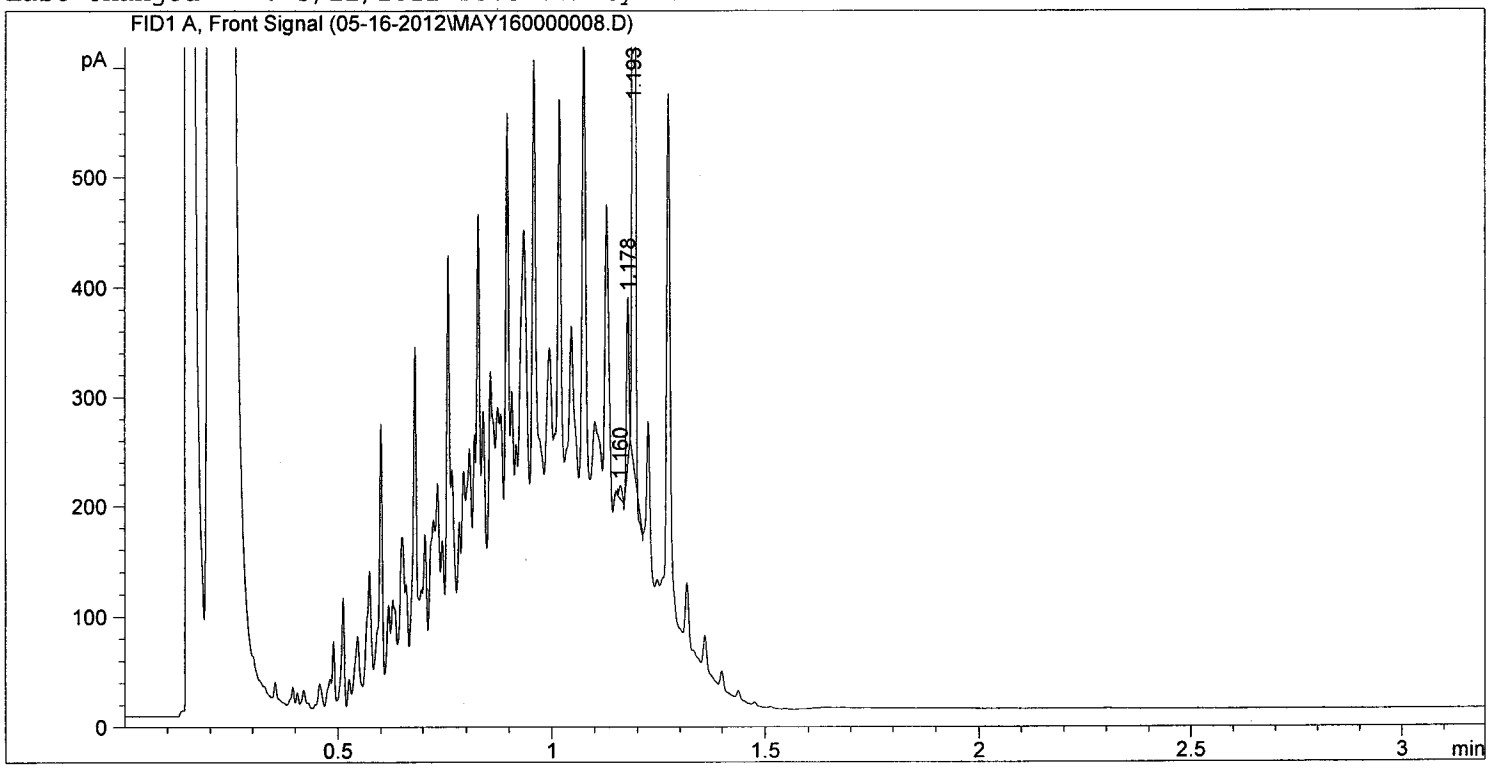
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000008.D
Sample Name: CCV1

==========

Acq. Operator	: BJH	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 5/16/2012 9:56:56	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	588.36554	8.87422e-2	52.21283		OTP (Surrogate

Totals : 52.21283

==========

*** End of Report ***

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E16032-CCV2
Lab File ID: MAY160000014.D
Injection Date: 05/16/12
Injection Time: 10:38
Calibration Date: 03/28/12 08:43
Calibration: 2D12010
Sequence: 2E16032
Instrument ID: 333

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
DRO - 8015 (C10-C20)	L	1000	1120	8.66025	9.864		11.5	20

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

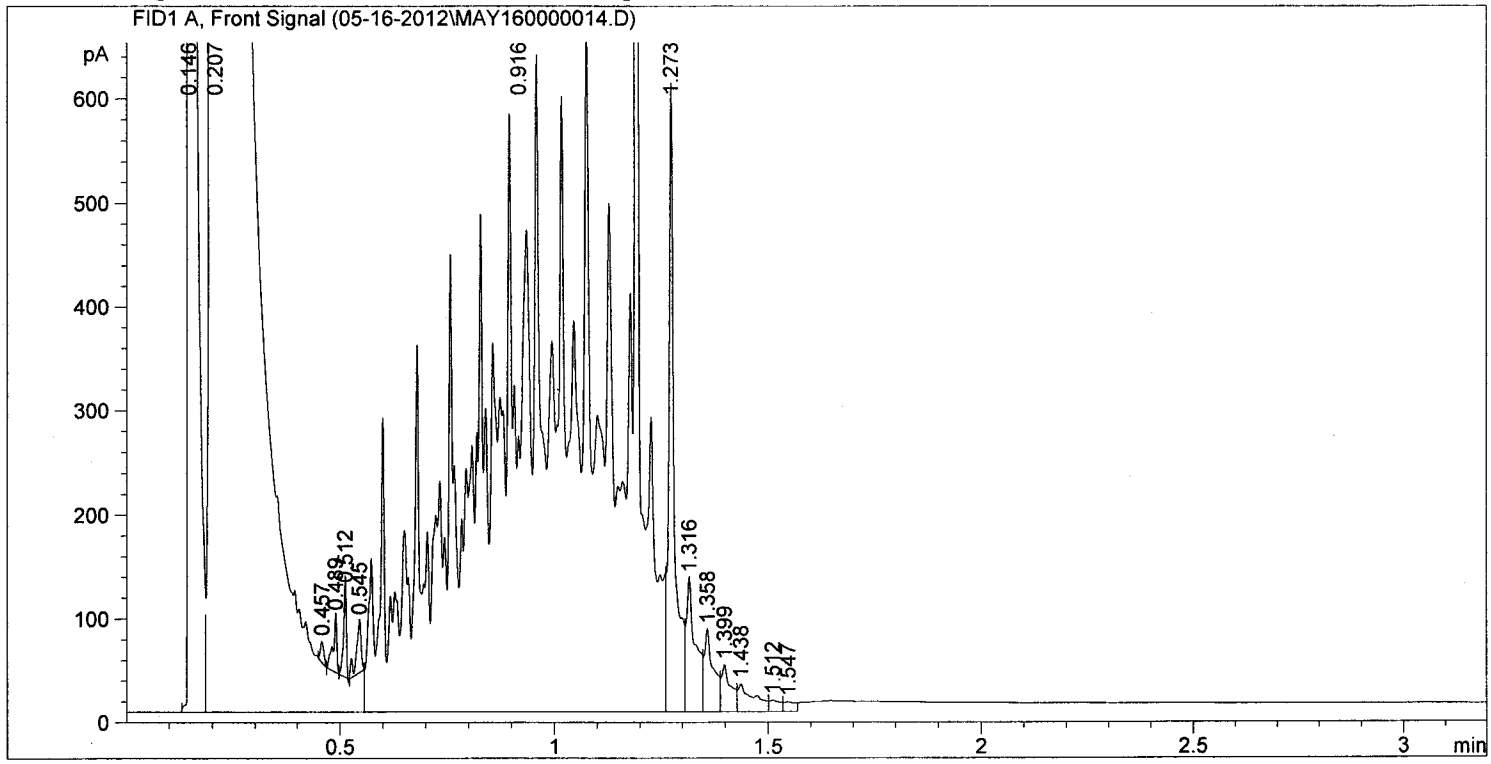
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000014.D
Sample Name: CCV2

==========

Acq. Operator	: BJH	Seq. Line	: 10
Acq. Instrument	: 333	Location	: Vial 9
Injection Date	: 5/16/2012 10:38:31	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1162	1.06000e4	1.38423	EPA DRO (C10-C20)

Totals : 1.06000e4 1.3842

==========

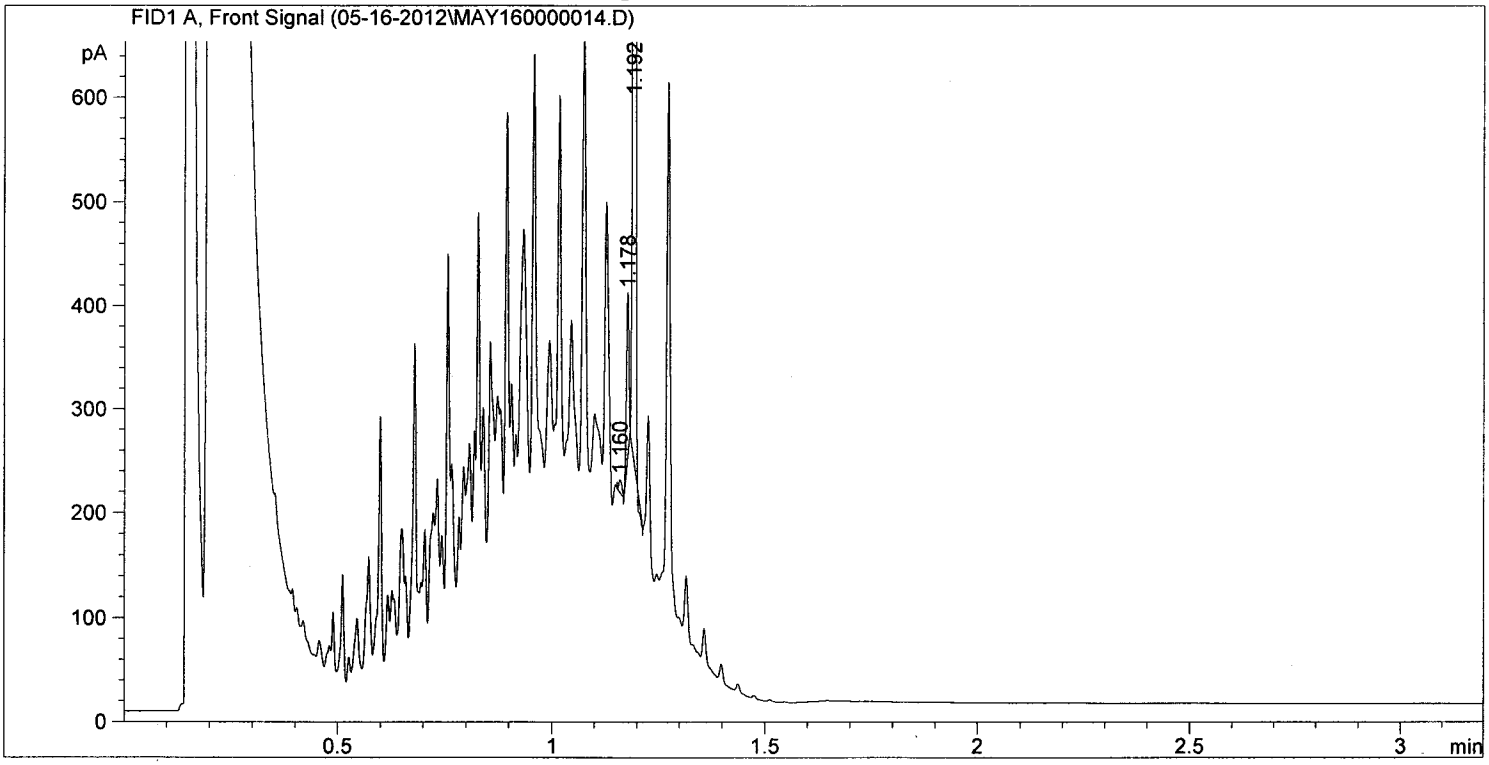
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000014.D
Sample Name: CCV2

==========

Acq. Operator	: BJH	Seq. Line	: 10
Acq. Instrument	: 333	Location	: Vial 9
Injection Date	: 5/16/2012 10:38:31	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	614.25403	8.85577e-2	54.39694		OTP (Surrogate

Totals : 54.39694

==========

*** End of Report ***

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E21070-CCV1
Lab File ID: MAY210000008.D
Injection Date: 05/21/12
Injection Time: 12:52
Calibration Date: 03/28/12 08:43
Calibration: 2D12010
Sequence: 2E21070
Instrument ID: 333

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
DRO - 8015 (C10-C20)	L	1000	974	8.66025	8.62		-2.6	20

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

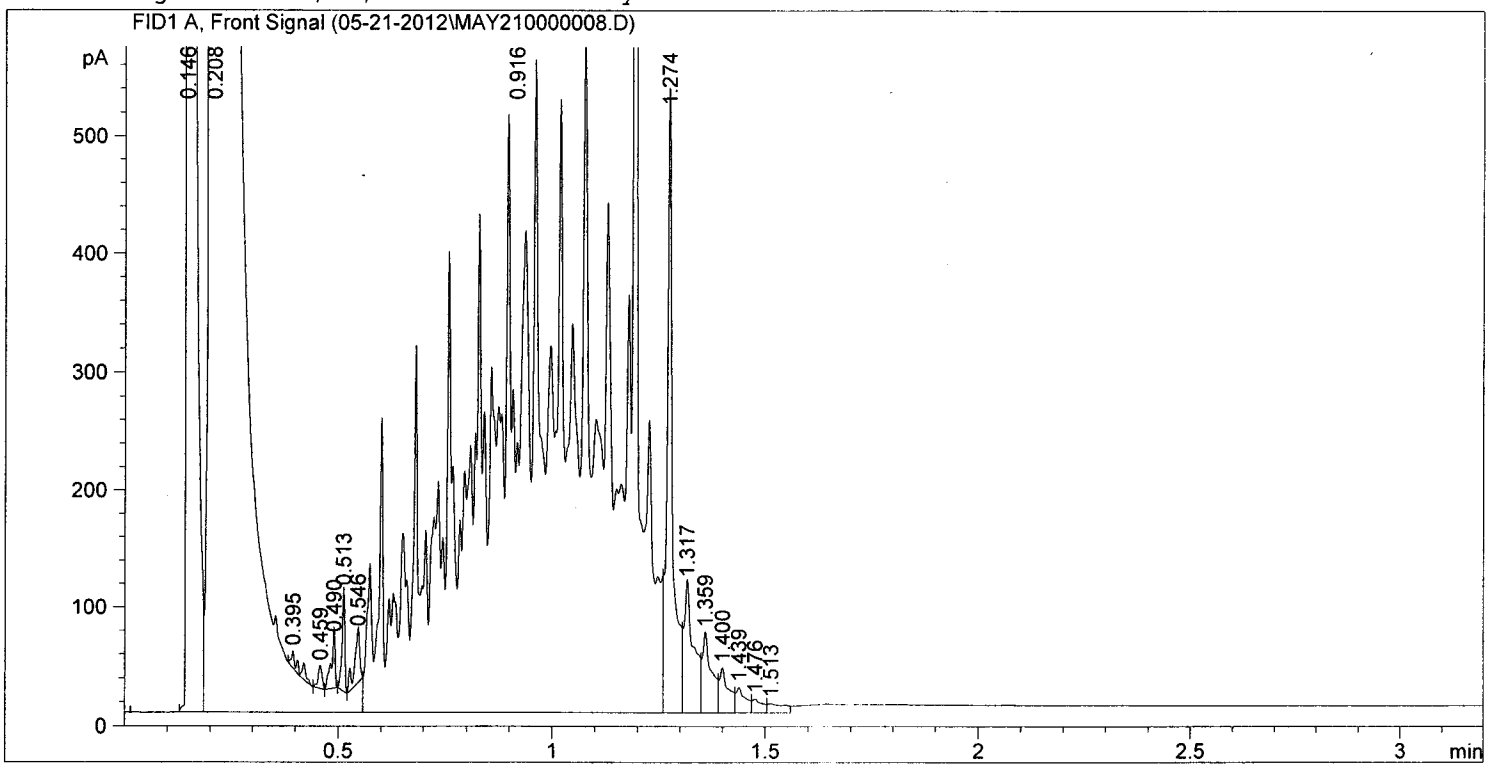
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000008.D
Sample Name: CCV1 DRO

==========

Acq. Operator	: BJH	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 5/21/2012 12:52:40	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1064	9253.57227	1.25722	EPA DRO (C10-C20)

Totals : 9253.57227 1.2572

==========

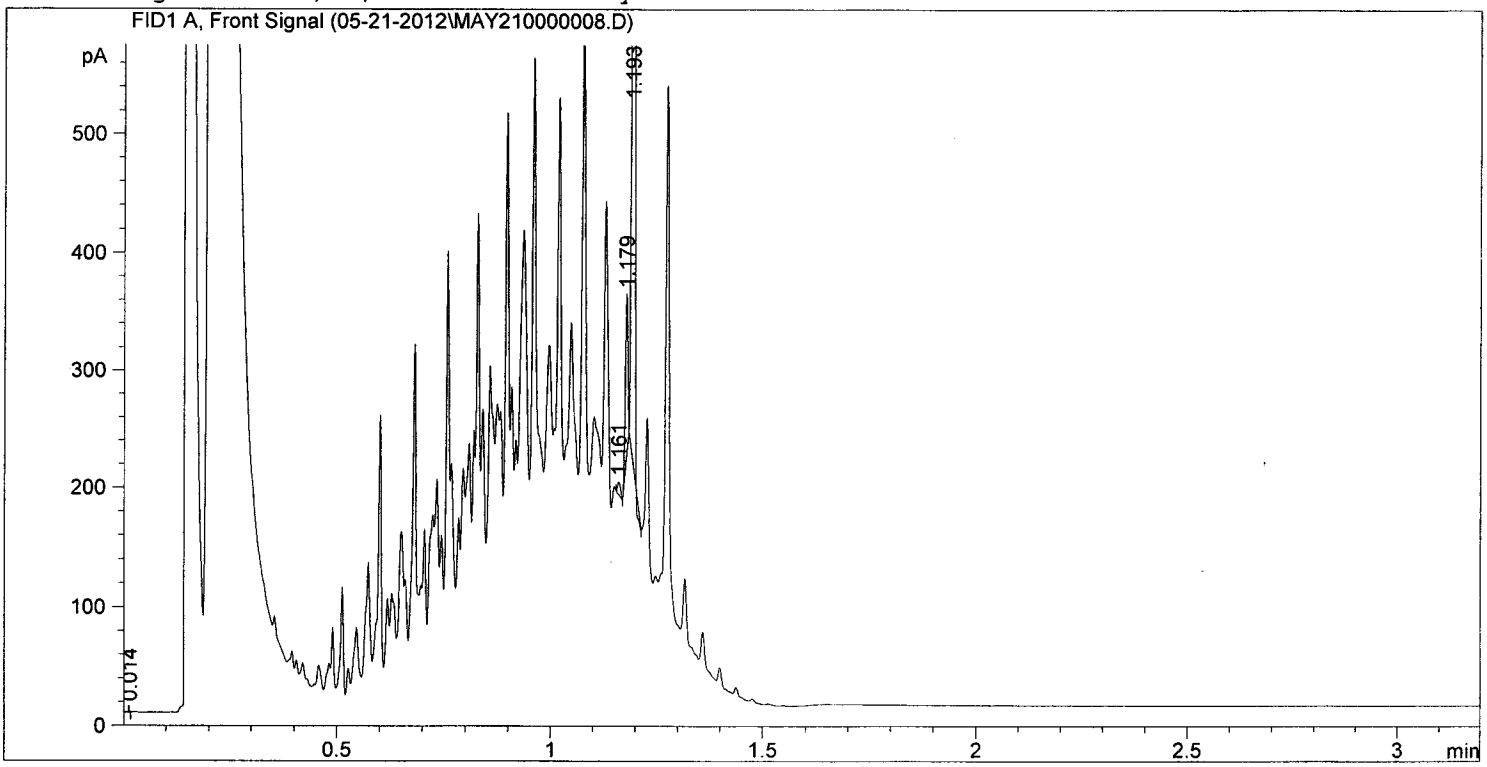
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000008.D
Sample Name: CCV1 DRO

==========

Acq. Operator	: BJH	Seq. Line	: 4
Acq. Instrument	: 333	Location	: Vial 3
Injection Date	: 5/21/2012 12:52:40	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	546.31689	8.90790e-2	48.66535		OTP (Surrogate

Totals : 48.66535

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*** End of Report ***

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2E21070-CCV2
Lab File ID: MAY210000018.D
Injection Date: 05/21/12
Injection Time: 14:02
Calibration Date: 03/28/12 08:43
Calibration: 2D12010
Sequence: 2E21070
Instrument ID: 333

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
DRO - 8015 (C10-C20)	L	1000	1050	8.66025	9.286		4.9	20

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

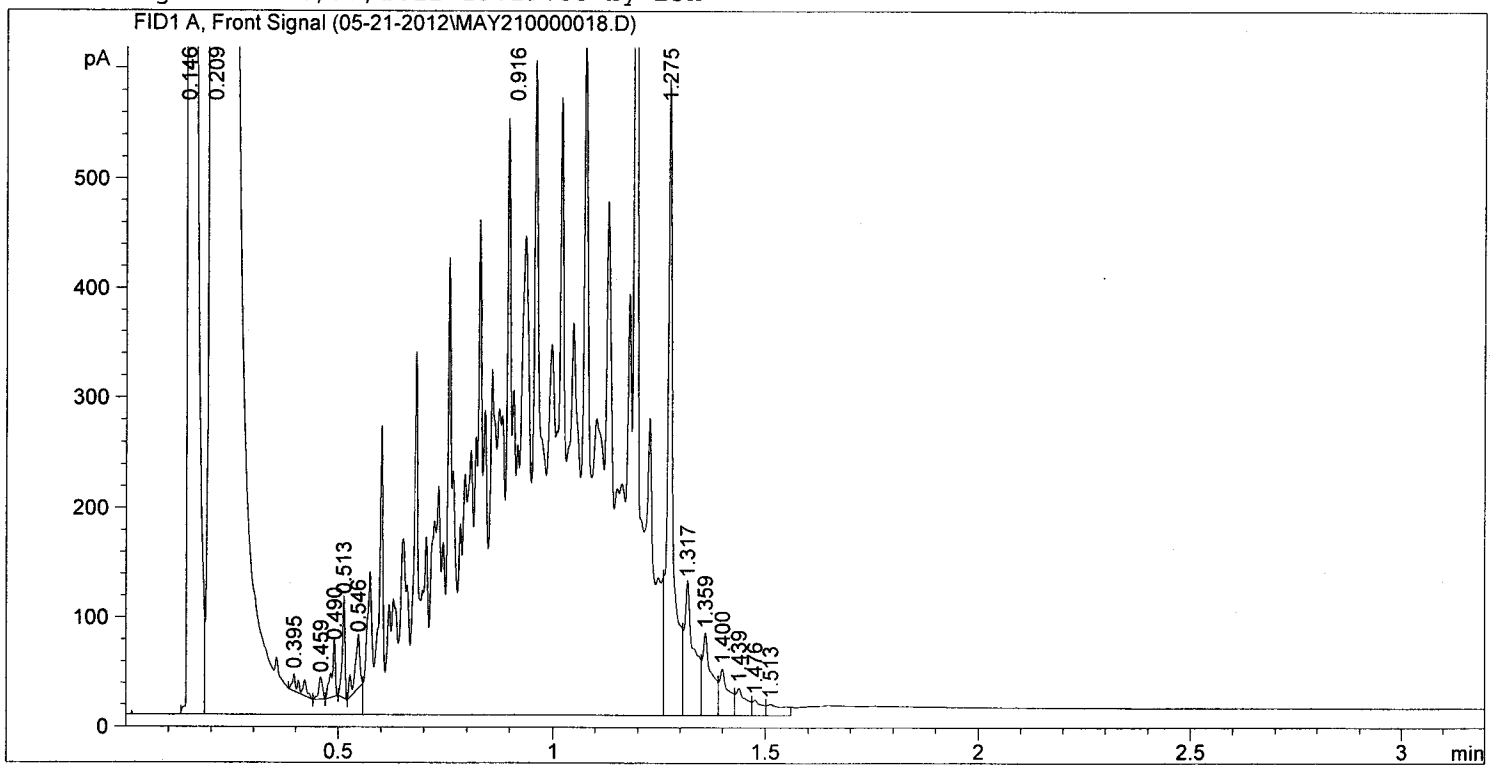
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000018.D
Sample Name: ~~CCV1~~ DRO
CCV2

==========

Acq. Operator	: BJH	Seq. Line	: 14
Acq. Instrument	: 333	Location	: Vial 13
Injection Date	: 5/21/2012 14:02:01	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1059	9964.81055	1.32832	EPA DRO (C10-C20)

Totals : 9964.81055 1.3283

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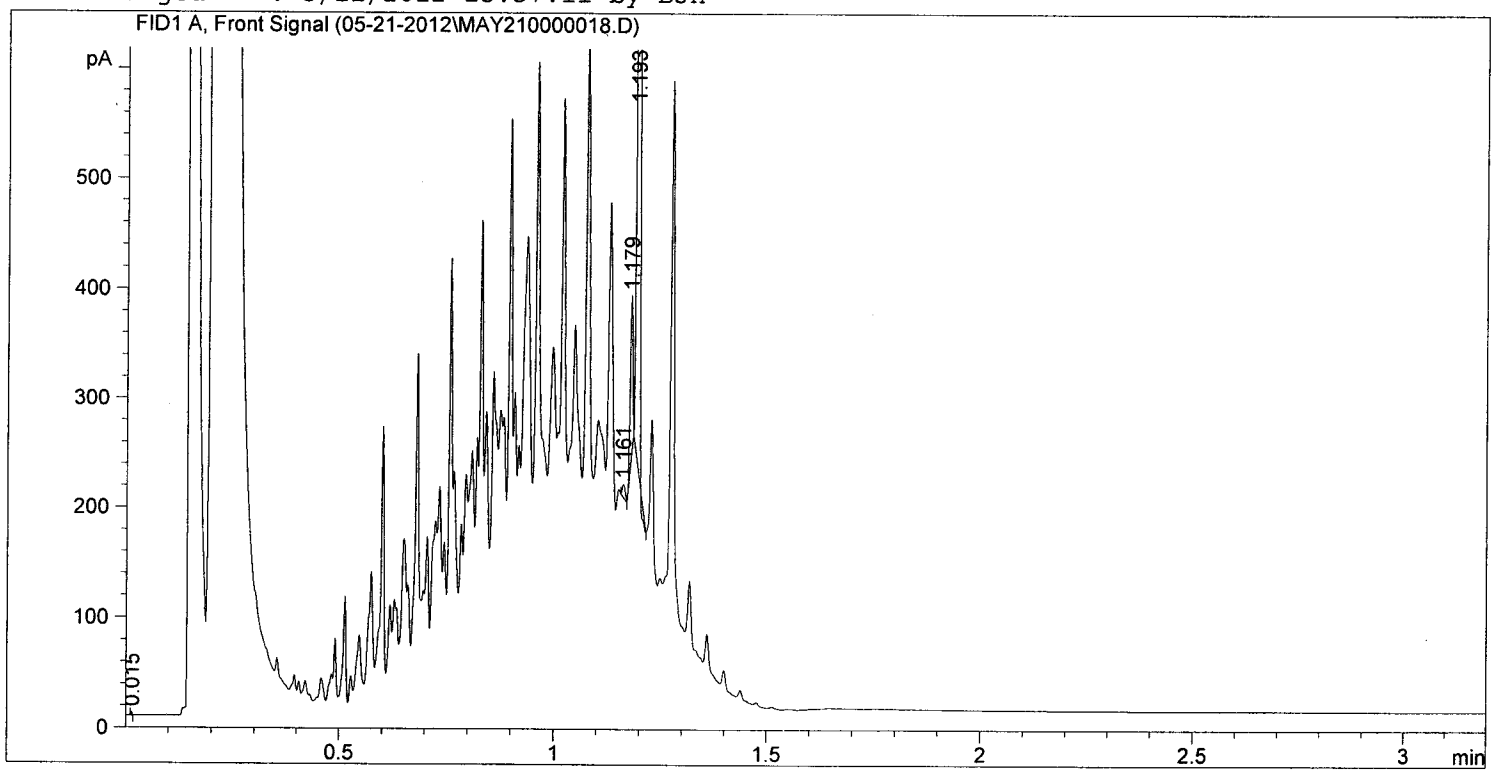
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000018.D
Sample Name: ~~CCV1~~ DRO
CCV2

==========

Acq. Operator	: BJH	Seq. Line	: 14
Acq. Instrument	: 333	Location	: Vial 13
Injection Date	: 5/21/2012 14:02:01	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	591.35388	8.87200e-2	52.46494		OTP (Surrogate

Totals : 52.46494

==========

*** End of Report ***

CONTINUING CALIBRATION CHECK
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050712
Client: TechLaw
Project: KNM
Lab Sample ID: 2F01048-CCV1
Lab File ID: JUNE010000025
Injection Date: 06/01/12
Injection Time: 12:14
Calibration Date: 06/01/12 10:02
Calibration: 2F04007
Sequence: 2F01048
Instrument ID: 333

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
DRO - 8015 (C10-C20)	L	1000	993	10.3445	10.2505		-0.7	20

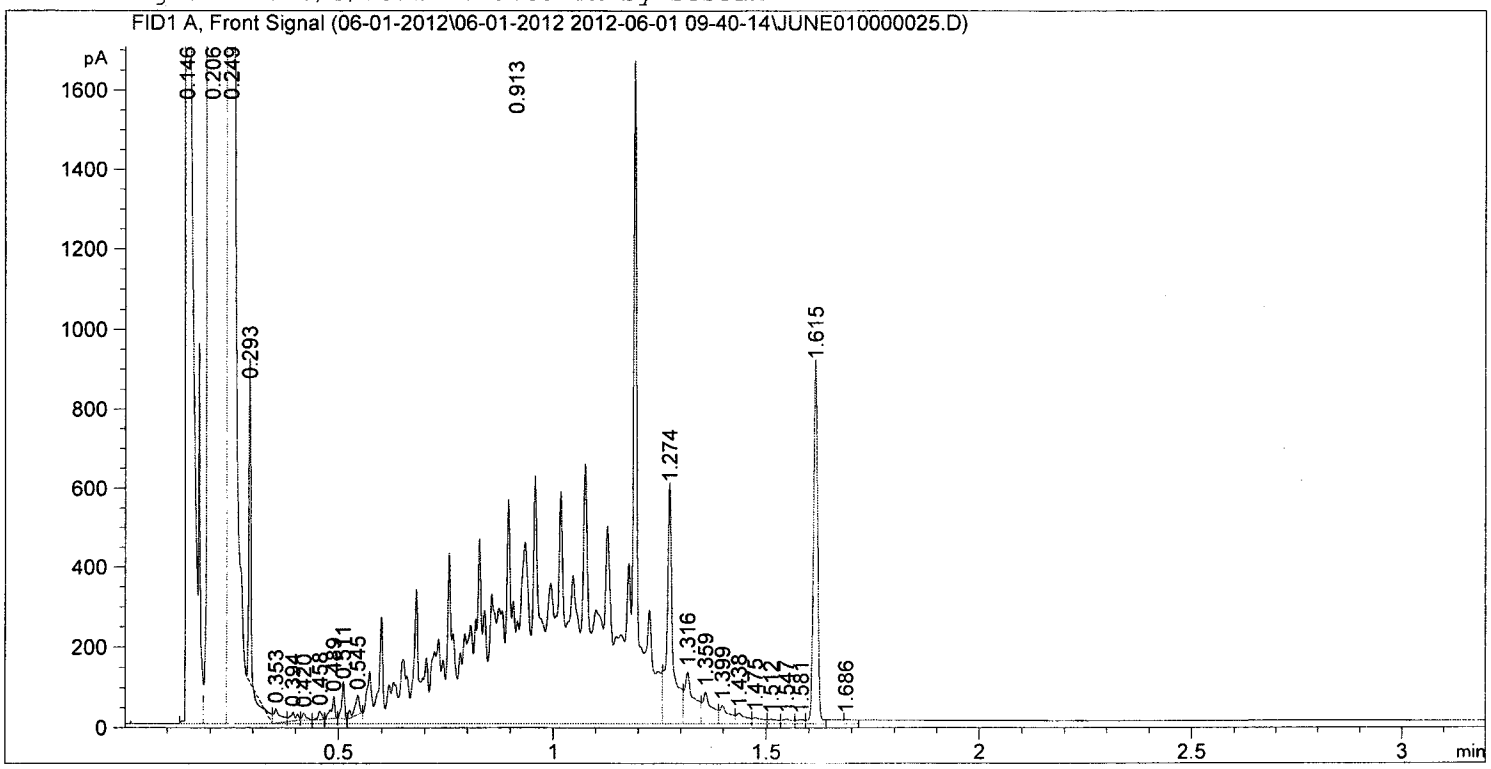
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000025.D
Sample Name: CCV1

==========

Acq. Operator : SYSTEM
Seq. Line : 21
Acq. Instrument : 333
Location : Vial 20
Injection Date : 6/1/2012 12:14:37 PM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1127	1.02505e4	1.31002	EPA DRO (C10-C20)

Totals : 1.02505e4 1.3100

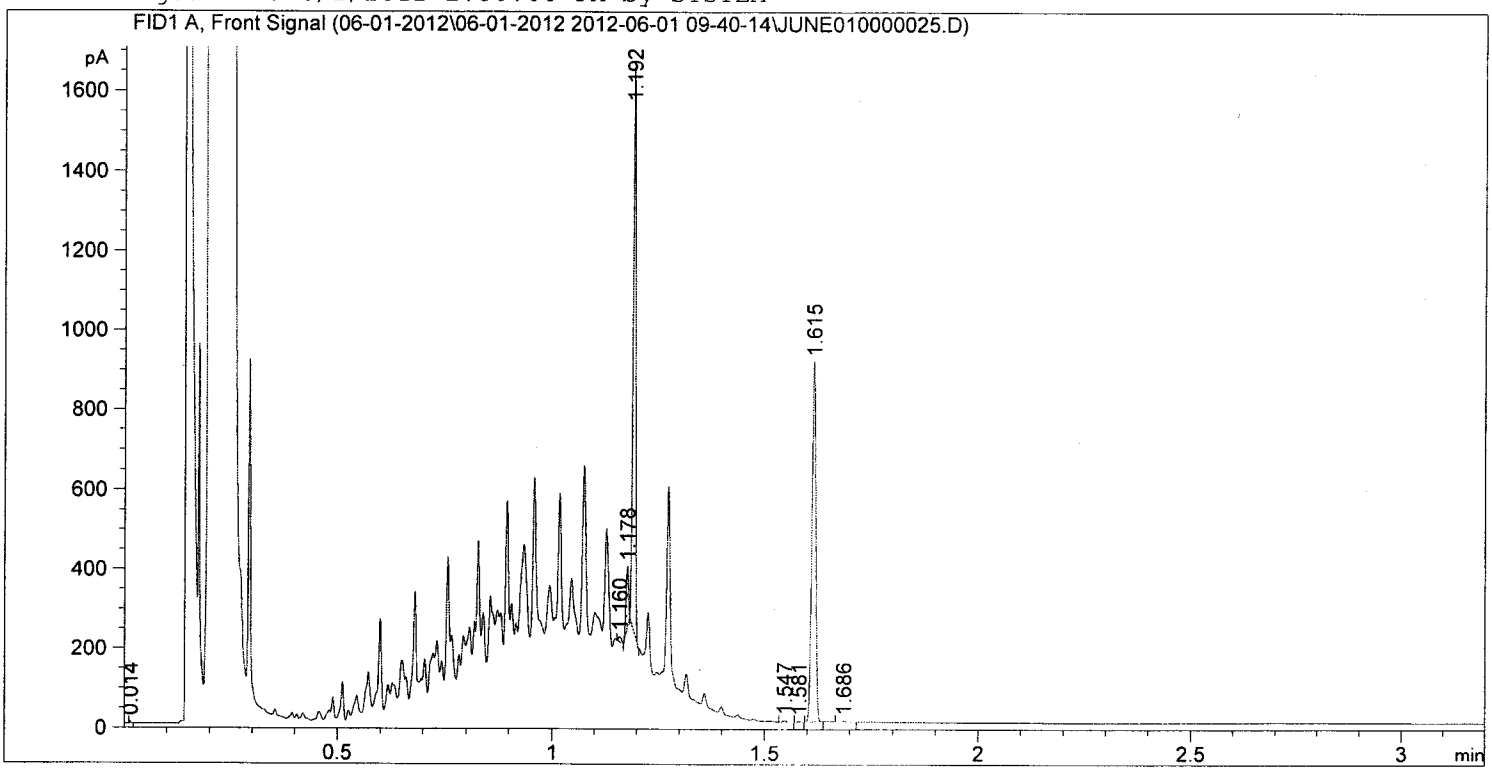
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000025.D
Sample Name: CCV1

==========

Acq. Operator : SYSTEM
Seq. Line : 21
Acq. Instrument : 333
Location : Vial 20
Injection Date : 6/1/2012 12:14:37 PM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	621.02985	7.89370e-2	49.02223		OTP (Surrogate
1.615	1	BB	588.23859	8.54866e-2	50.28650		Triacontane

Totals : 99.30873

==========

*** End of Report ***

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206140-BLK1 File ID: MAY160000009.D

Prepared: 05/15/12 07:48 Analyzed: 05/16/12 10:03

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206140 Sequence: 2E16032 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

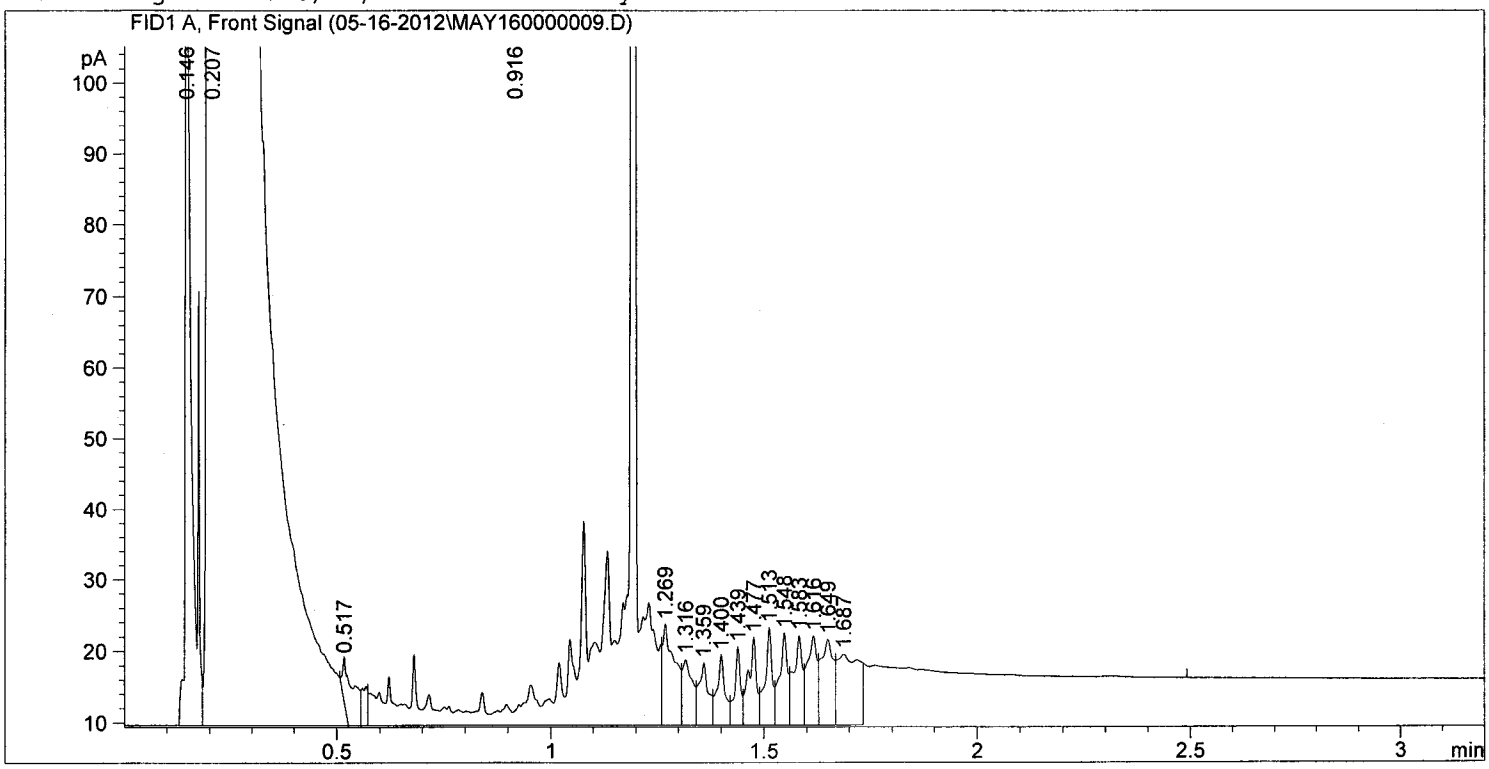
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	40.0	100	45 - 136	

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000009.D
Sample Name: 1206140-BLK1

==========

Acq. Operator	: BJH	Seq. Line	: 5
Acq. Instrument	: 333	Location	: Vial 4
Injection Date	: 5/16/2012 10:03:50	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.0125	705.85681	0.09471	EPA DRO (C10-C20)

Totals : 705.85681 9.471e-2

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000009.D
Sample Name: 1206140-BLK1

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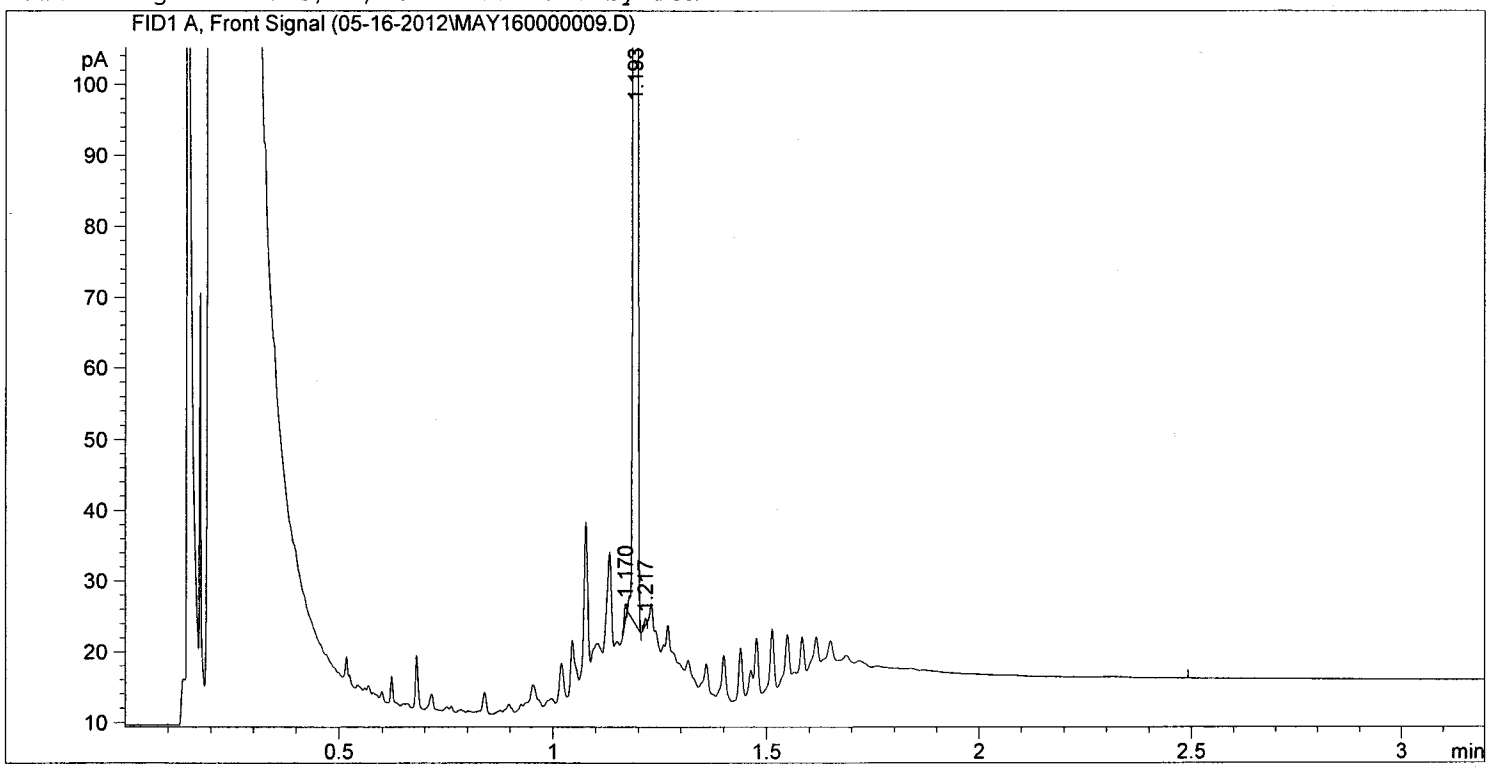
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000009.D
Sample Name: 1206140-BLK1

==========

Acq. Operator	: BJH	Seq. Line	: 5
Acq. Instrument	: 333	Location	: Vial 4
Injection Date	: 5/16/2012 10:03:50	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	443.02118	9.01778e-2	39.95069		OTP (Surrogate

Totals : 39.95069

==========

*** End of Report ***

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206396-BLK1 File ID: MAY210000010.D

Prepared: 05/21/12 07:57 Analyzed: 05/21/12 13:06

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396 Sequence: 2E21070 Calibration: 2D12010 Instrument: 333

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

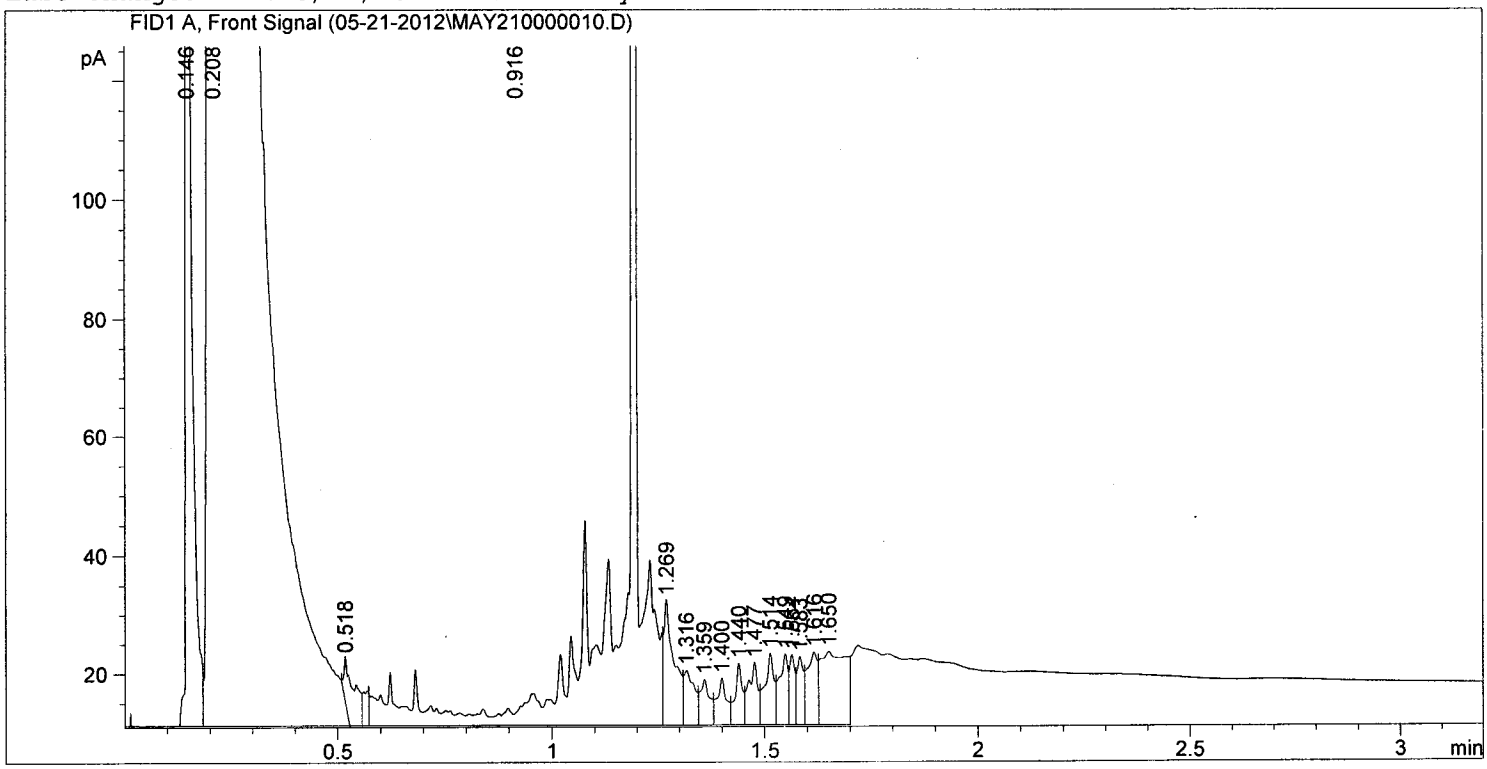
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	39.9	100	45 - 136	

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000010.D
Sample Name: 1205396-BLK1

==========

Acq. Operator	: BJH	Seq. Line	: 6
Acq. Instrument	: 333	Location	: Vial 5
Injection Date	: 5/21/2012 13:06:36	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.0132	751.09595	0.10384	EPA DRO (C10-C20)

Totals : 751.09595 0.1038

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000010.D
Sample Name: 1205396-BLK1

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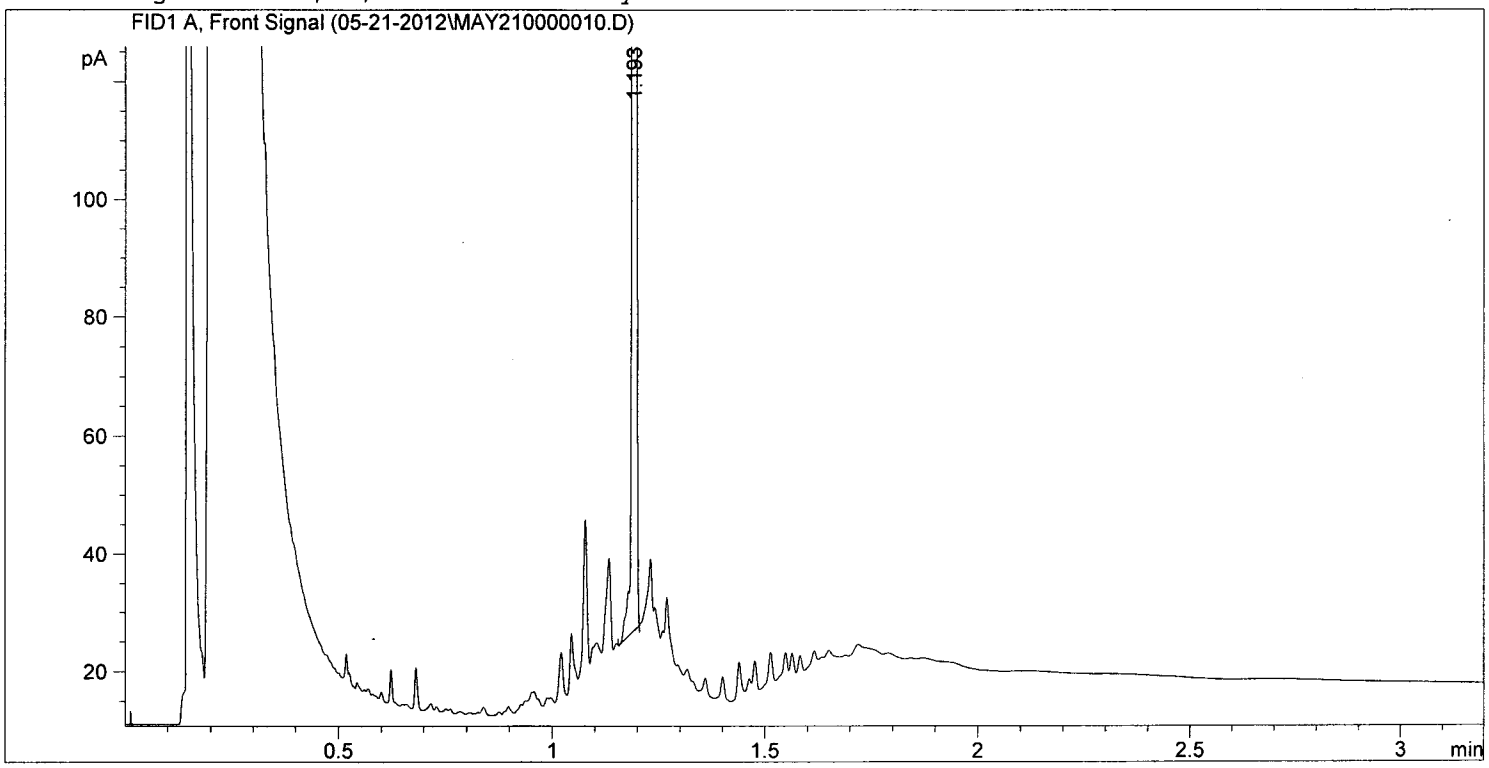
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000010.D
Sample Name: 1205396-BLK1

==========

Acq. Operator	: BJH	Seq. Line :	6
Acq. Instrument	: 333	Location :	Vial 5
Injection Date	: 5/21/2012 13:06:36	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	442.72128	9.01818e-2	39.92539		OTP (Surrogate

Totals : 39.92539

==========

*** End of Report ***

METHOD BLANK DATA SHEET
USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050712

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1206578-BLK1 File ID: JUNE010000015

Prepared: 05/24/12 07:54 Analyzed: 06/01/12 11:05

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1206578 Sequence: 2F01048 Calibration: 2F04007 Instrument: 333

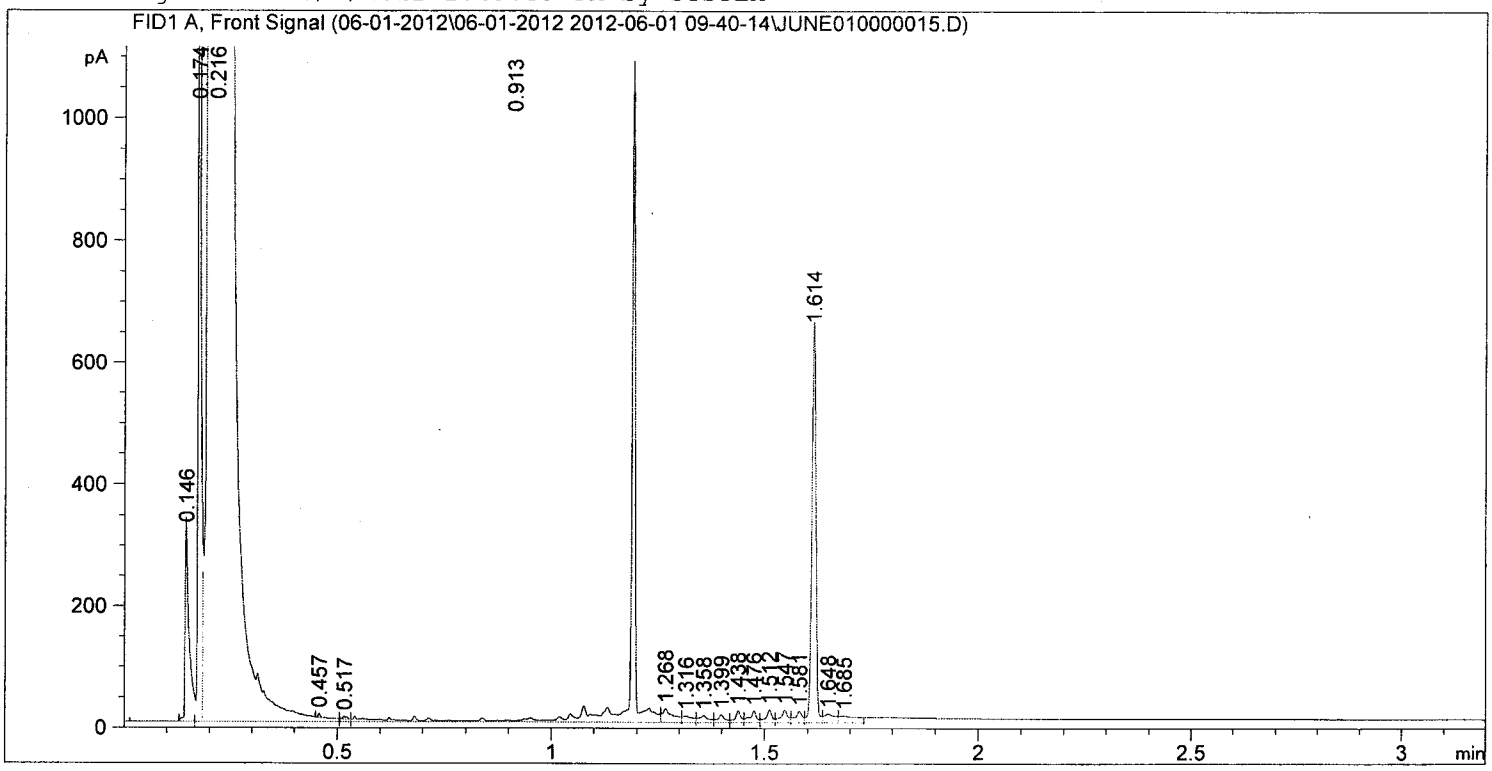
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
DRO	DRO - 8015 (C10-C20)	200	ug/L	32	200	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
o-Terphenyl	40.0	38.9	97	45 - 136	

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000015.D
Sample Name: 1206580-BLK1

==========

Acq. Operator : SYSTEM Seq. Line : 11
Acq. Instrument : 333 Location : Vial 10
Injection Date : 6/1/2012 11:05:10 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



==========

Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.0129	768.83044	0.07856	EPA DRO (C10-C20)

Totals : 768.83044 7.856e-2

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

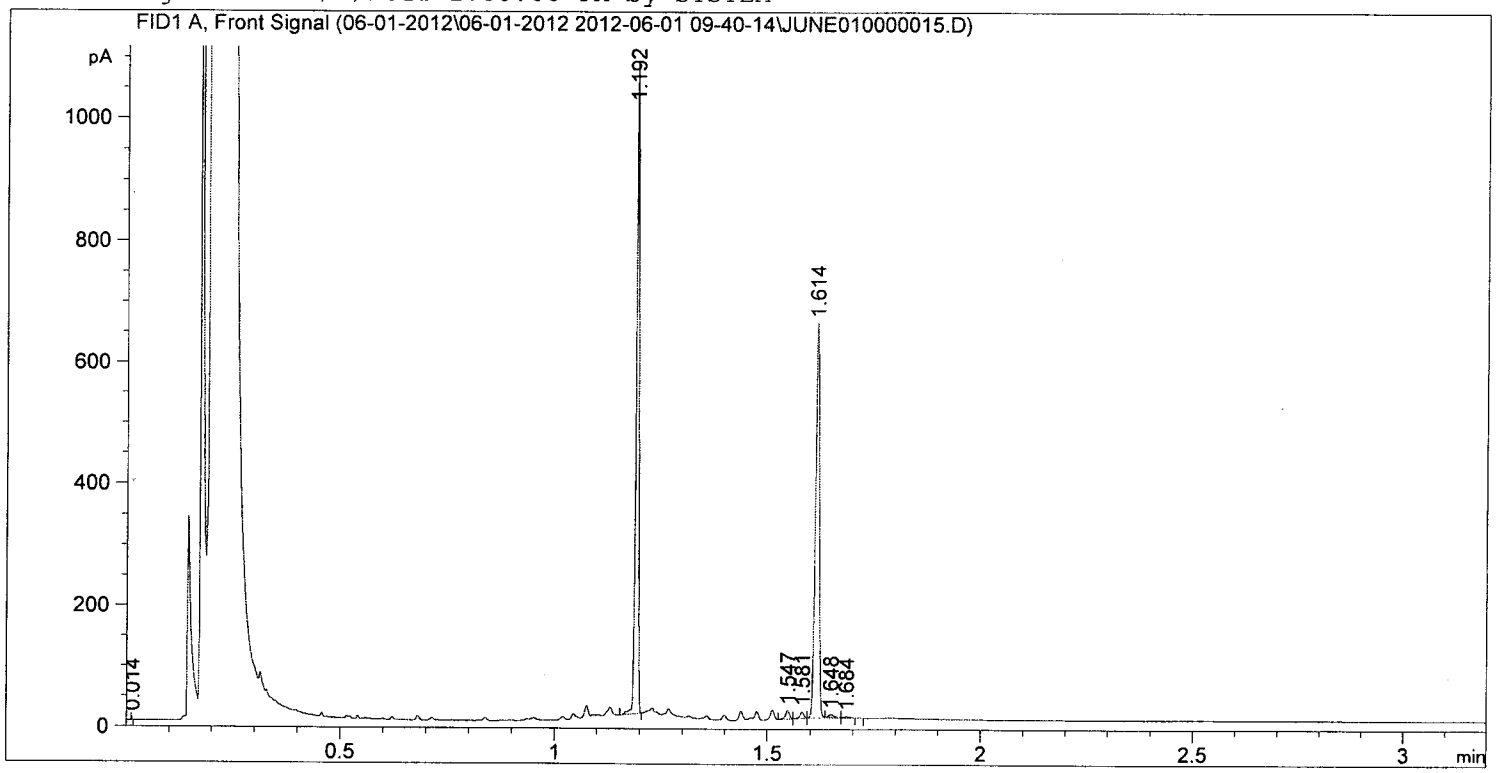
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000015.D
Sample Name: 1206580-BLK1

==========

Acq. Operator : SYSTEM
Seq. Line : 11
Acq. Instrument : 333
Location : Vial 10
Injection Date : 6/1/2012 11:05:10 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	486.68262	7.99693e-2	38.91967		OTP (Surrogate
1.614	1	BV R	426.02237	8.48861e-2	36.16337		Triacontane

Totals : 75.08304

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206140-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206140
Sequence: 2E16032

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1190	119	70 - 135	ug/L

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

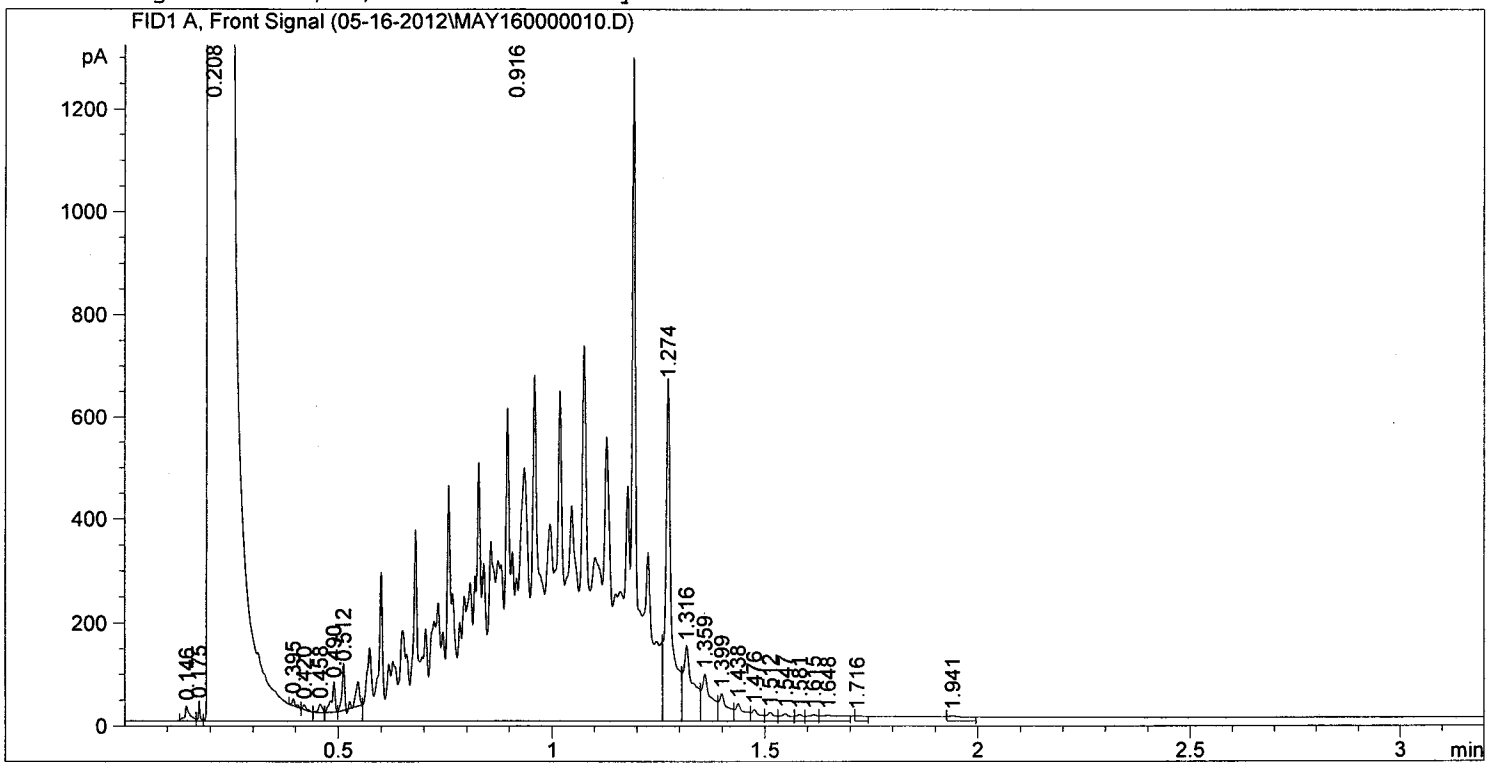
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000010.D
Sample Name: 1206140-BS1

==========

Acq. Operator	: BJH	Seq. Line :	6
Acq. Instrument	: 333	Location :	Vial 5
Injection Date	: 5/16/2012 10:10:49	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1510	1.10854e4	1.47869	EPA DRO (C10-C20)

Totals : 1.10854e4 1.4787

==========

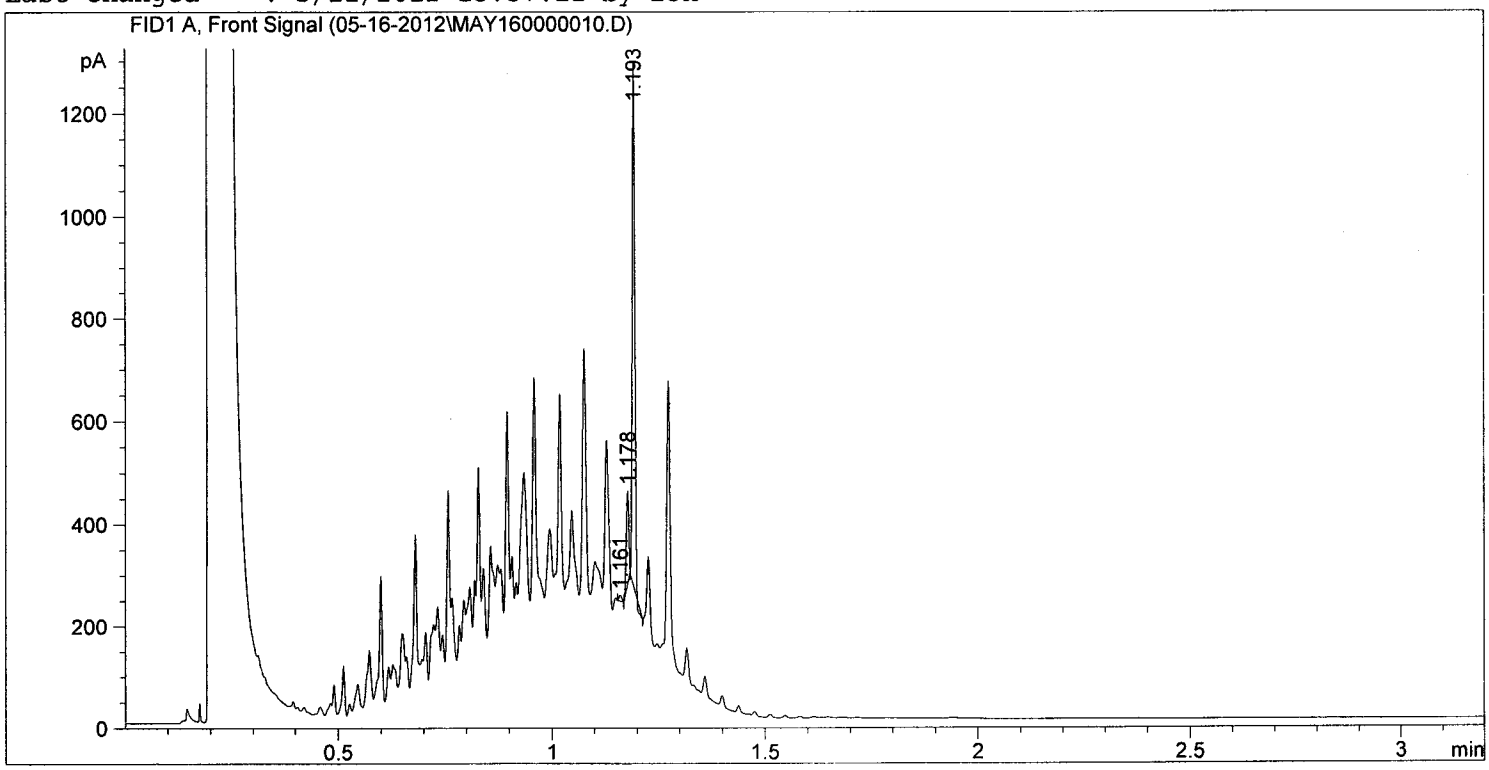
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000010.D
Sample Name: 1206140-BS1

==========

Acq. Operator	: BJH	Seq. Line :	6
Acq. Instrument	: 333	Location :	Vial 5
Injection Date	: 5/16/2012 10:10:49	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	430.10864	9.03523e-2	38.86131		OTP (Surrogate

Totals : 38.86131

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206396-BS1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396
Sequence: 2E21070

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1200	120	70 - 135	ug/L

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

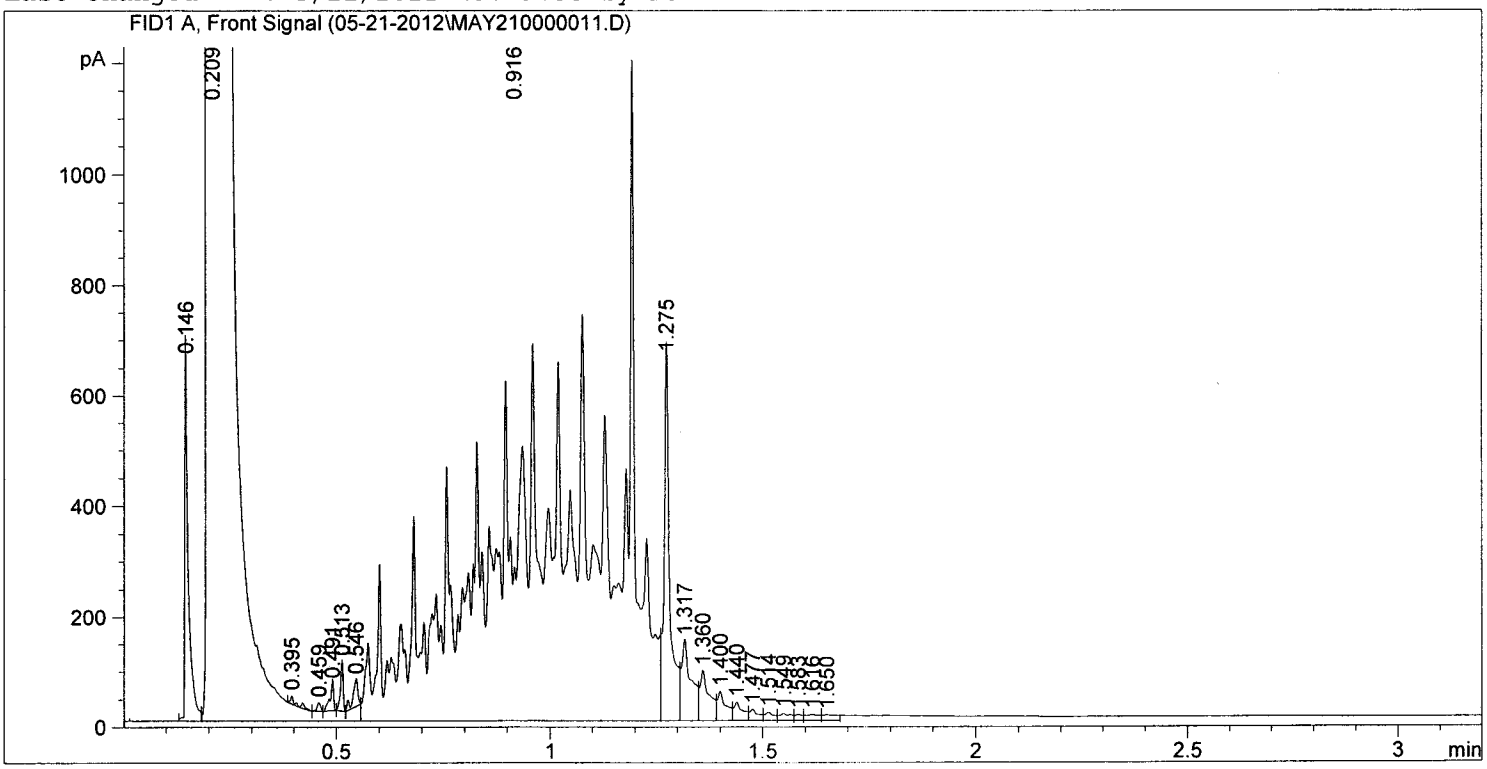
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000011.D
Sample Name: 1205396-BS1

==========

Acq. Operator	: BJH	Seq. Line :	7
Acq. Instrument	: 333	Location :	Vial 6
Injection Date	: 5/21/2012 13:13:33	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1589	1.11151e4	1.49648	EPA DRO (C10-C20)

Totals : 1.11151e4 1.4965

==========

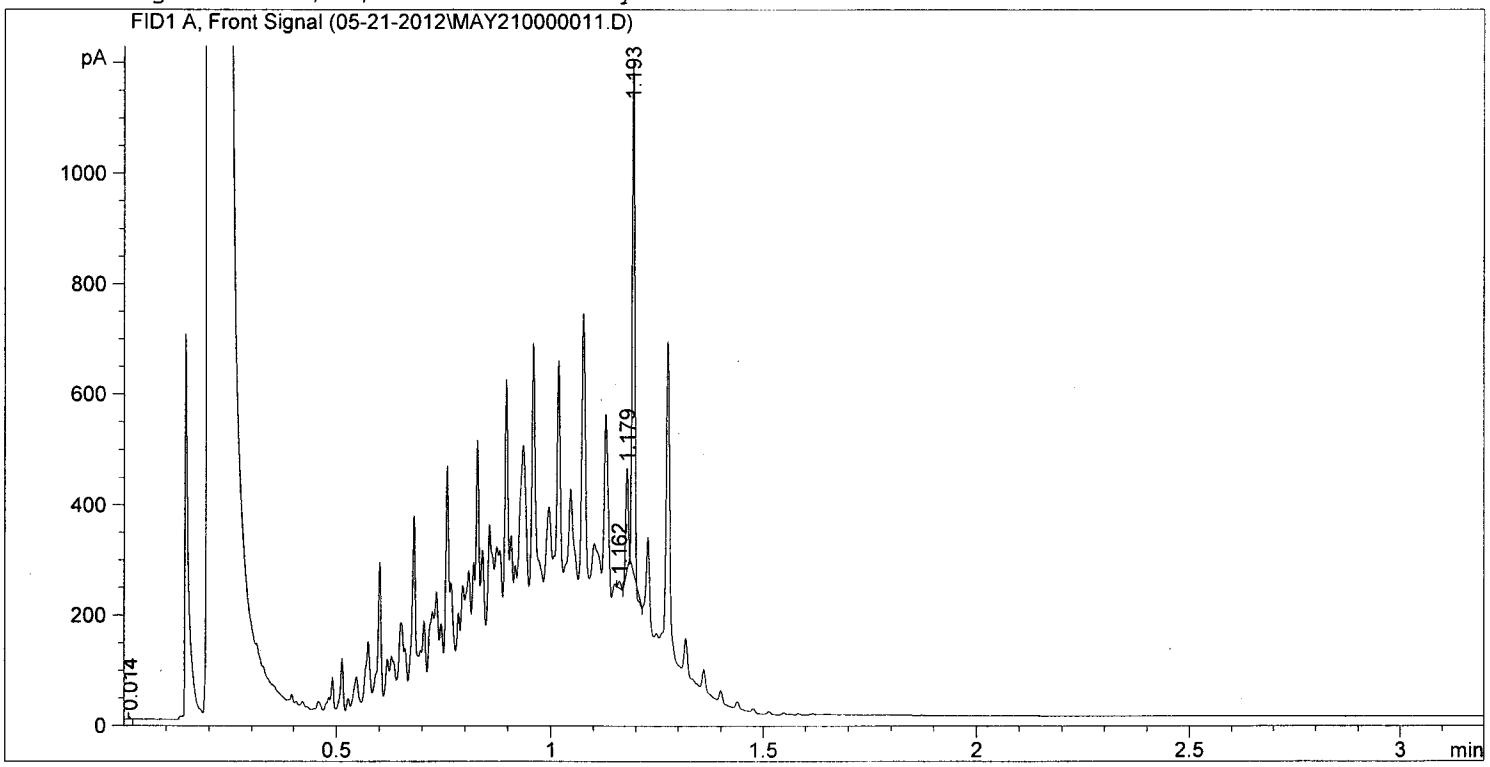
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000011.D
Sample Name: 1205396-BS1

==========

Acq. Operator	: BJH	Seq. Line	: 7
Acq. Instrument	: 333	Location	: Vial 6
Injection Date	: 5/21/2012 13:13:33	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	387.85016	9.10045e-2	35.29612		OTP (Surrogate

Totals : 35.29612

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206578

SDG: KNM050712

Project: KNM

Laboratory ID: 1206578-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2F01048

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	894	89	70 - 135	ug/L

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

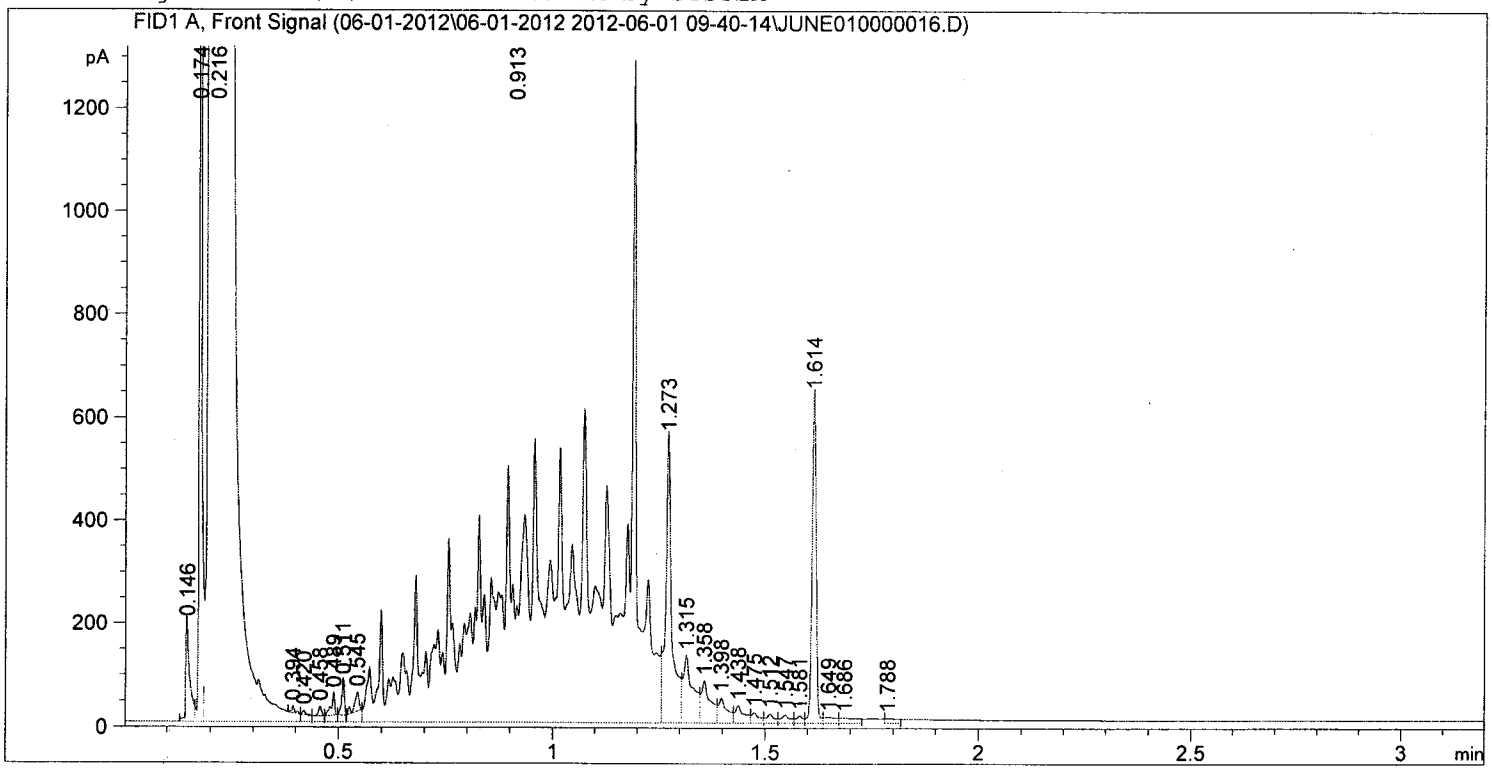
* Values outside of QC limits

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000016.D
Sample Name: 1206580-BS1

==========

Acq. Operator	: SYSTEM	Seq. Line :	12
Acq. Instrument	: 333	Location :	Vial 11
Injection Date	: 6/1/2012 11:12:04 AM	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1234	9124.11621	0.93505	EPA DRO (C10-C20)

Totals : 9124.11621 0.9351

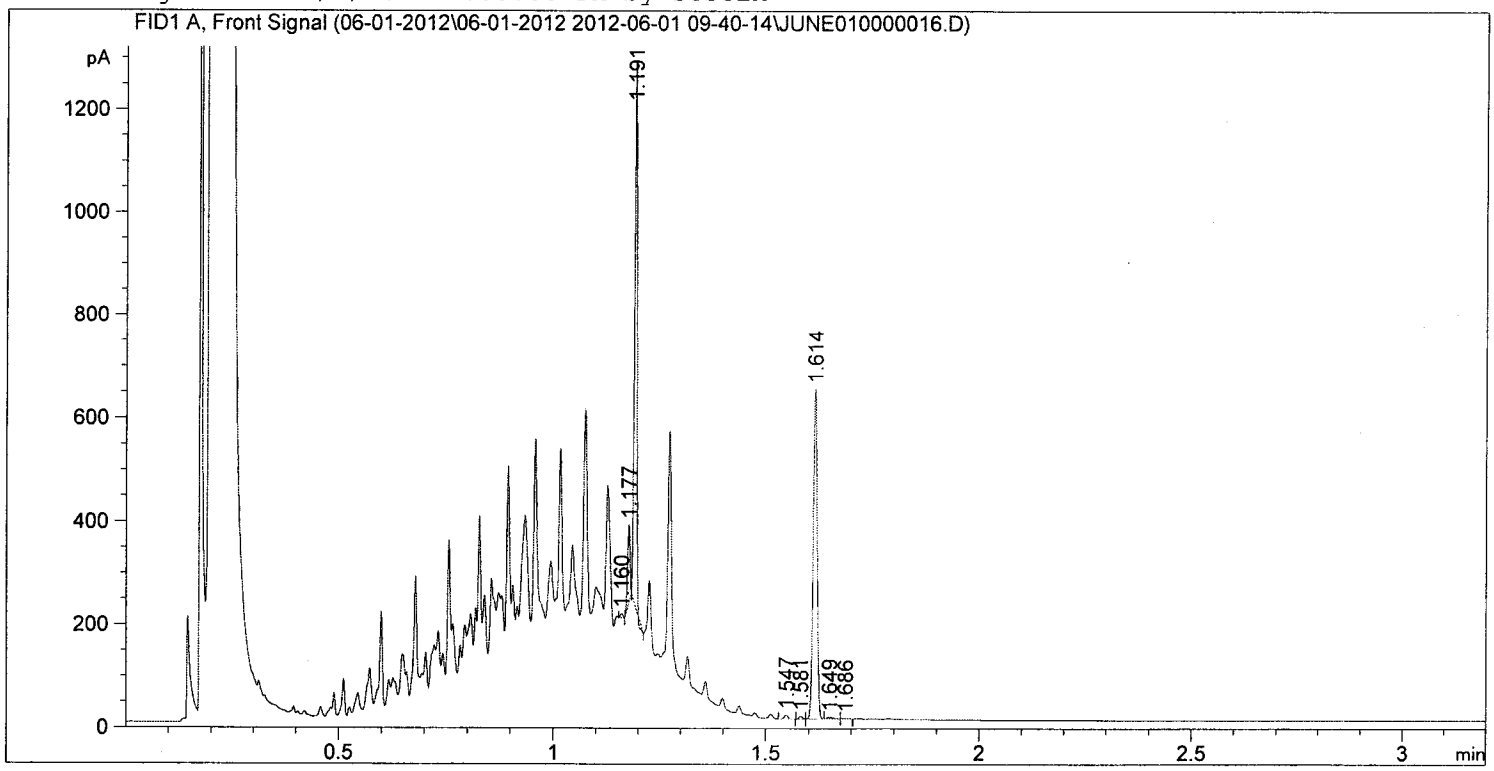
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000016.D
Sample Name: 1206580-BS1

==========

Acq. Operator : SYSTEM
Seq. Line : 12
Acq. Instrument : 333
Location : Vial 11
Injection Date : 6/1/2012 11:12:04 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.191	1	BB S	445.78305	8.04071e-2	35.84413		OTP (Surrogate
1.614	1	BV R	418.39899	8.48464e-2	35.49965		Triacontane

Totals : 71.34378

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206140-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206140
Sequence: 2E16032

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1200	120	0.6	20	70 - 135	ug/L

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

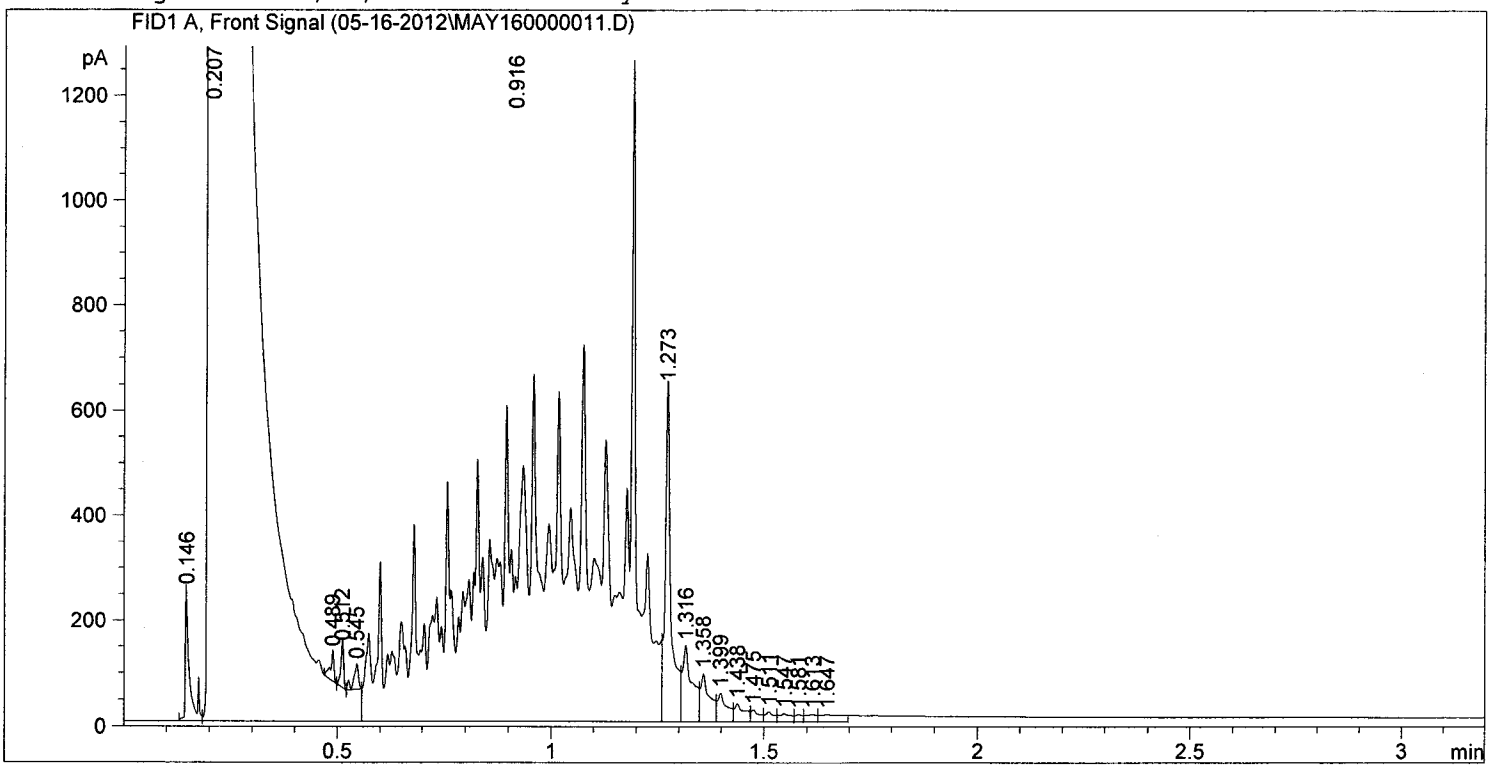
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000011.D
Sample Name: 1206140-BSD1

==========

Acq. Operator	: BJH	Seq. Line	: 7
Acq. Instrument	: 333	Location	: Vial 6
Injection Date	: 5/16/2012 10:17:45	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1607	1.11363e4	1.48549	EPA DRO (C10-C20)

Totals : 1.11363e4 1.4855

==========

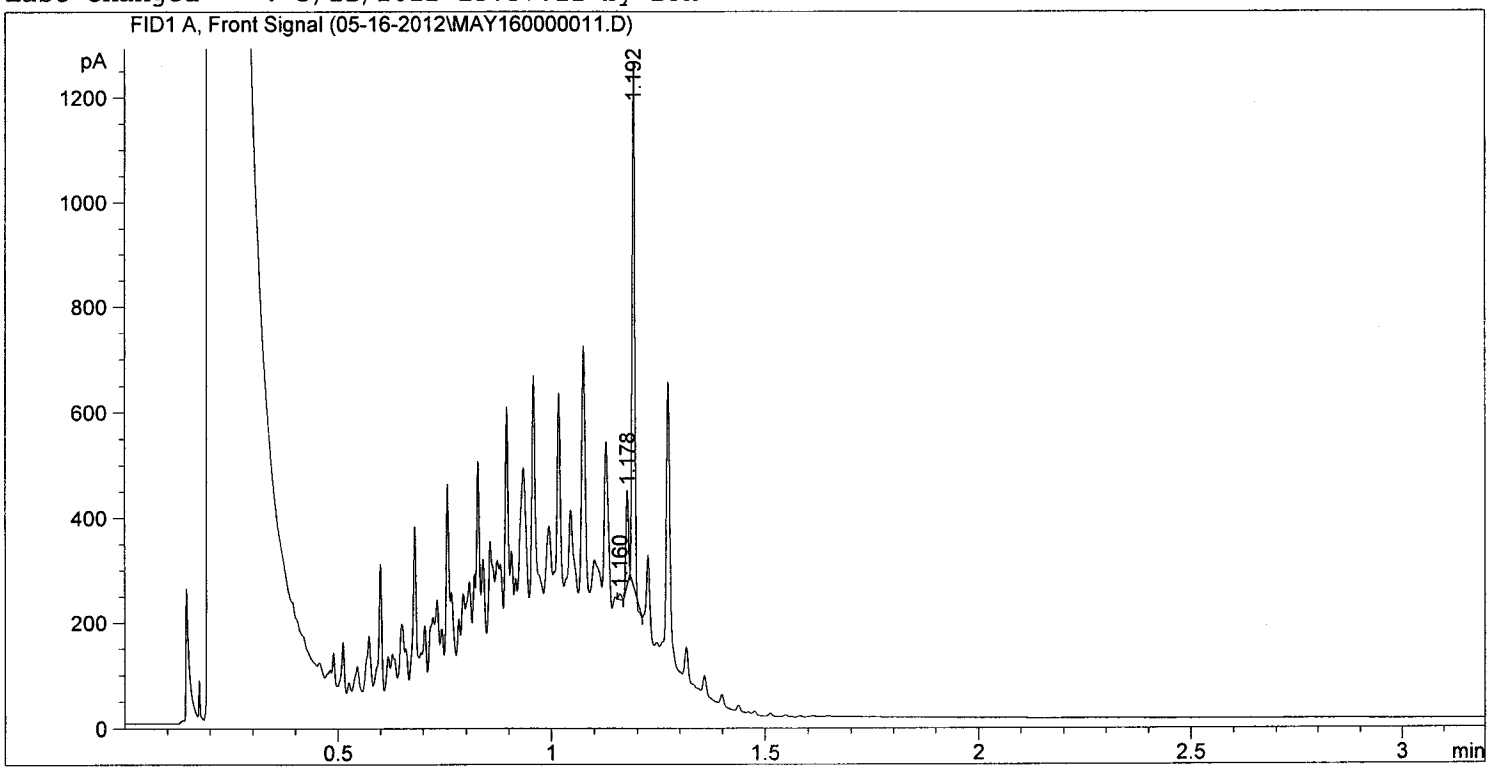
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000011.D
Sample Name: 1206140-BSD1

==========

Acq. Operator	: BJH	Seq. Line	: 7
Acq. Instrument	: 333	Location	: Vial 6
Injection Date	: 5/16/2012 10:17:45	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	419.64484	9.05016e-2	37.97852		OTP (Surrogate

Totals : 37.97852

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY
USEPA-8015C

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

SDG: KNM050712
Project: KNM
Laboratory ID: 1206396-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1206396
Sequence: 2E21070

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	1350	135	11	20	70 - 135	ug/L

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

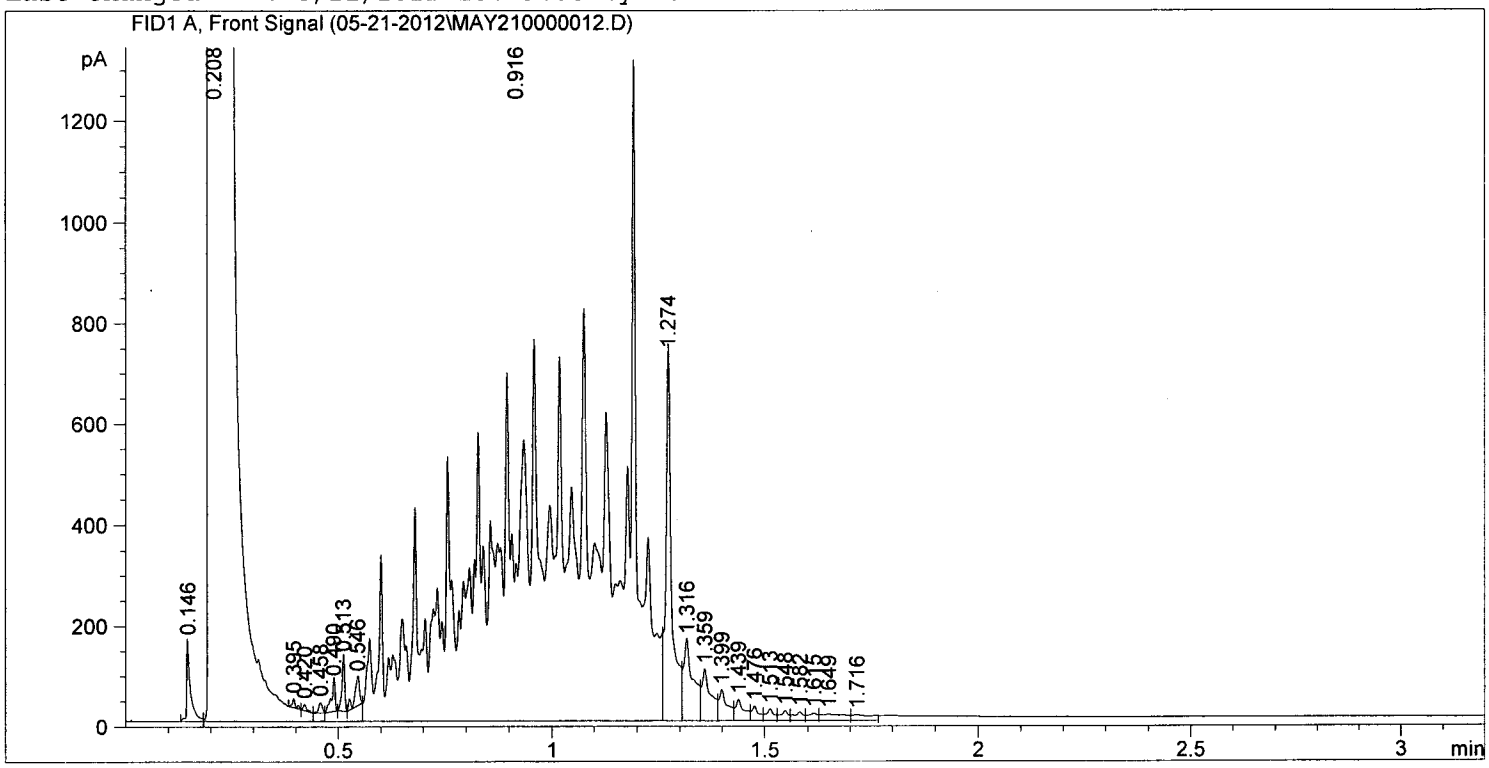
* Values outside of QC limits

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000012.D
Sample Name: 1205396-BSD1

==========

Acq. Operator	: BJH	Seq. Line :	8
Acq. Instrument	: 333	Location :	Vial 7
Injection Date	: 5/21/2012 13:20:26	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1638	1.24308e4	1.68689	EPA DRO (C10-C20)

Totals : 1.24308e4 1.6869

==========

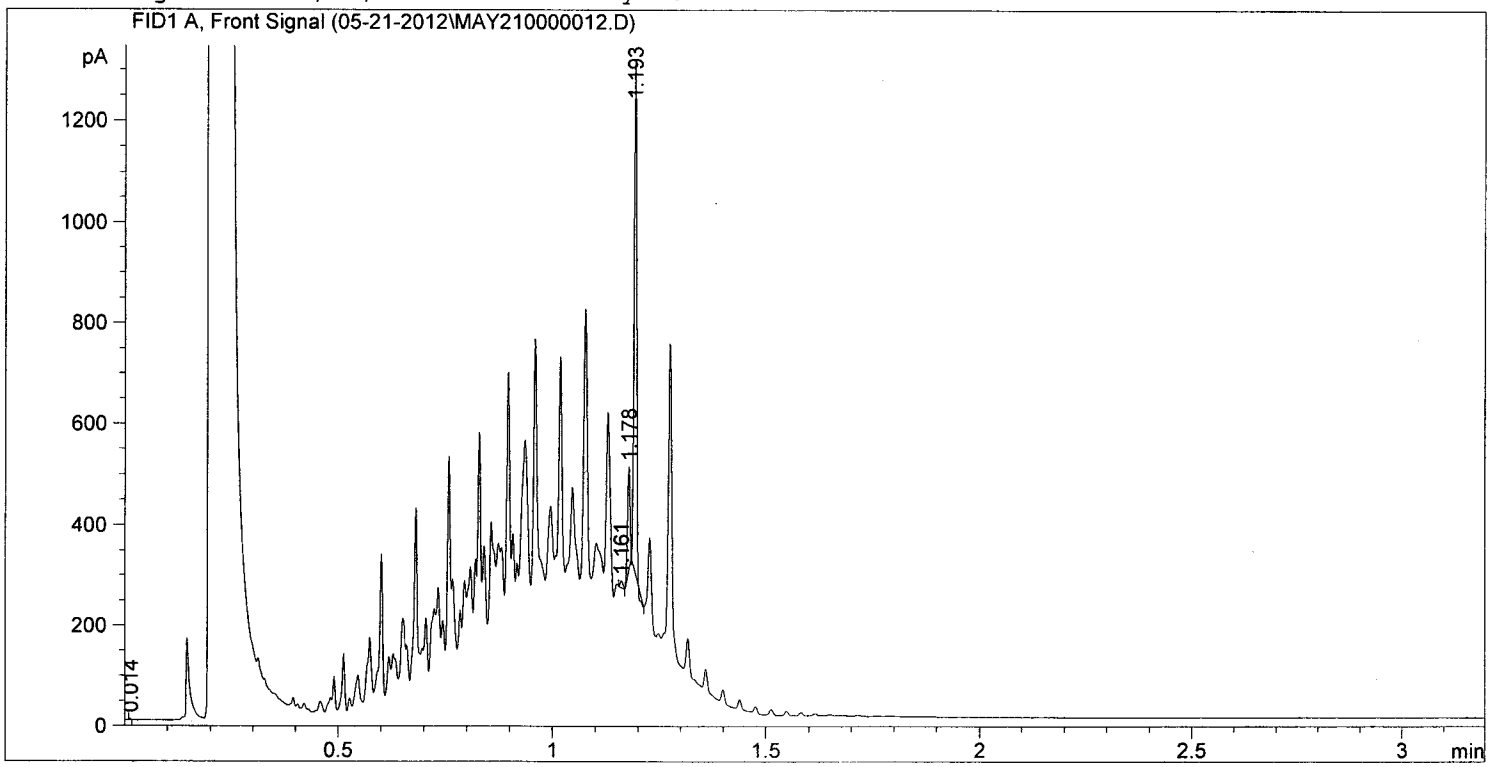
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000012.D
Sample Name: 1205396-BSD1

==========

Acq. Operator	: BJH	Seq. Line :	8
Acq. Instrument	: 333	Location :	Vial 7
Injection Date	: 5/21/2012 13:20:26	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\03282012 SURR+CAL.M
Last changed : 5/11/2012 15:57:11 by BJH



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/11/2012 15:55:39
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.193	1	BB S	423.72021	9.04426e-2	38.32234		OTP (Surrogate

Totals : 38.32234

==========

*** End of Report ***

LCS / LCS DUPLICATE RECOVERY

USEPA-8015C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1206578

SDG: KNM050712

Project: KNM

Laboratory ID: 1206578-BSD1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2F01048

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
DRO - 8015 (C10-C20)	1000	917	92	3	20	70 - 135	ug/L

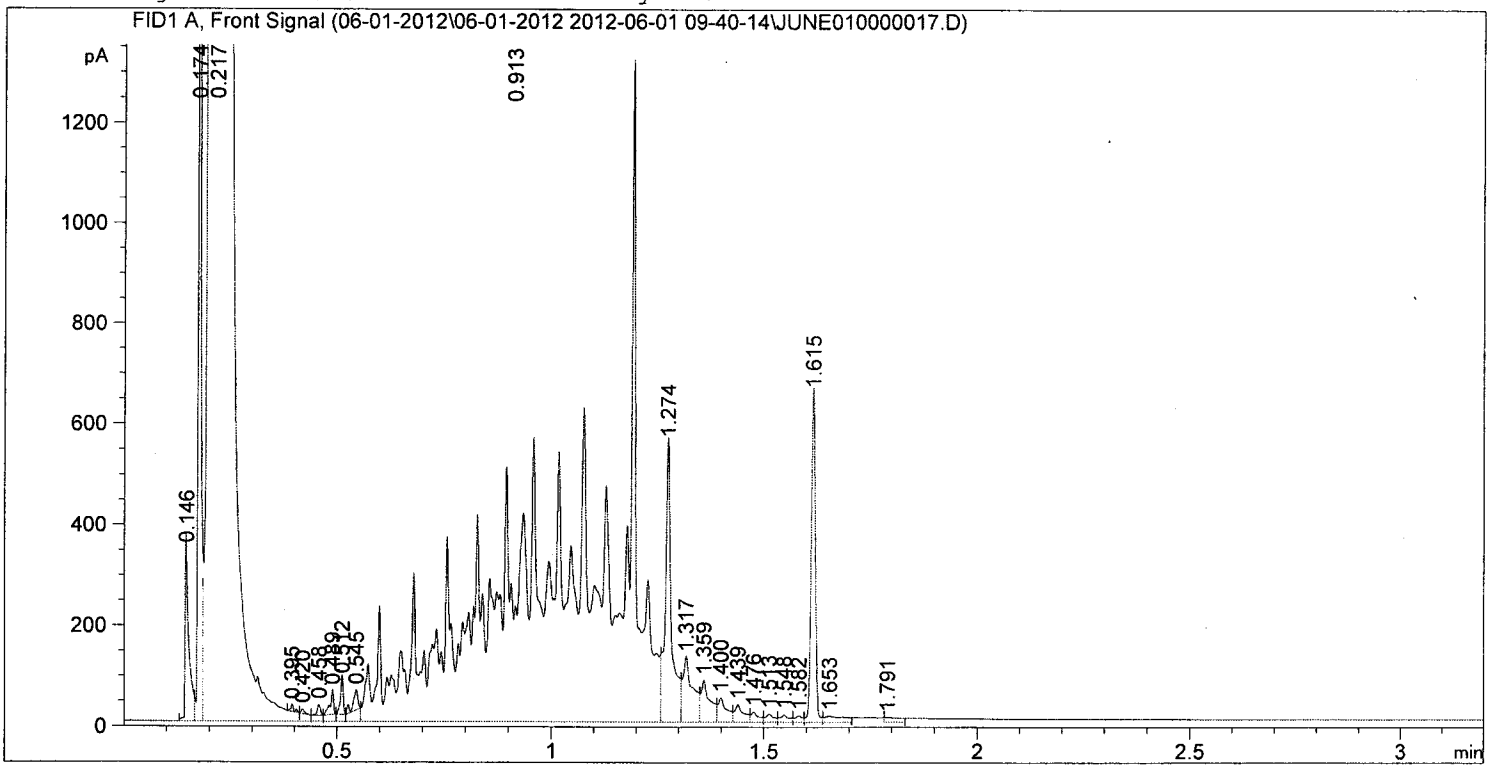
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000017.D
Sample Name: 1206578-BSD1

==========

Acq. Operator : SYSTEM
Seq. Line : 13
Acq. Instrument : 333
Location : Vial 12
Injection Date : 6/1/2012 11:19:02 AM
Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

==========

Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.1278	9358.43359	0.93447	EPA DRO (C10-C20)

Totals : 9358.43359 0.9345

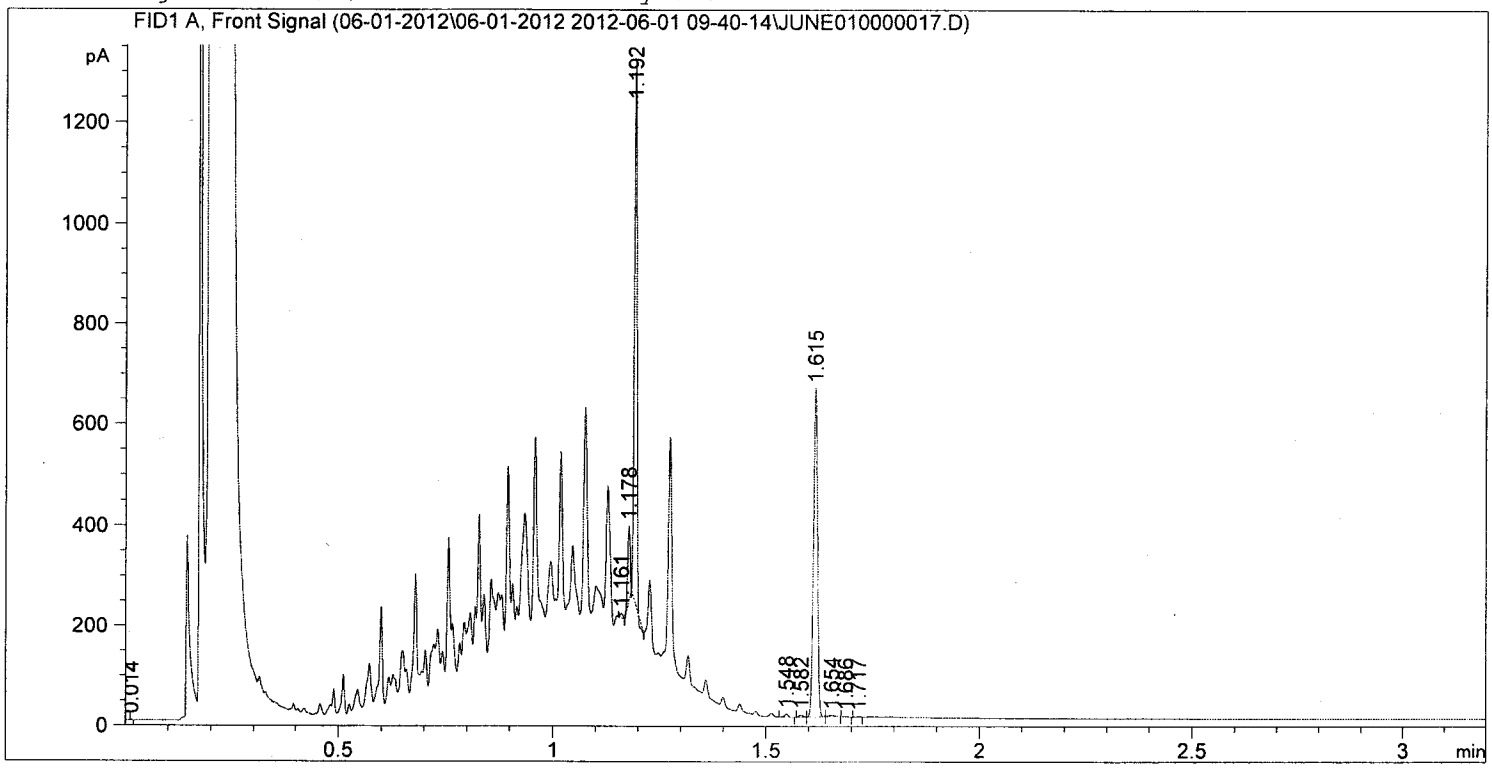
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000017.D
Sample Name: 1206578-BSD1

==========

Acq. Operator : SYSTEM Seq. Line : 13
Acq. Instrument : 333 Location : Vial 12
Injection Date : 6/1/2012 11:19:02 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\060112 SURRTRI+CAL.M
Last changed : 6/1/2012 2:58:00 PM by SYSTEM



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : Friday, June 01, 2012 2:57:20 PM
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A, Front Signal

RetTime [min]	Sig	Type	Area [pA*s]	Amt/Area	Amount [ng/ul]	Grp	Name
1.192	1	BB S	455.89423	8.02916e-2	36.60446		OTP (Surrogate
1.615	1	BV	427.21954	8.48922e-2	36.26760		Triacontane

Totals : 72.87206

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*** End of Report ***

PREPARATION BATCH 1206140

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

00339

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2030436	#2 Diesel Fuel Spike	MeCl2/K26S01	na
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205226	DRO 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
1206140-BLK1		May-15-12 07:48	ALK	1000	1	200				BLANK	
1206140-BS1		May-15-12 07:48	ALK	1000	1	200		2030436	500	LCS	
1206140-BSD1		May-15-12 07:48	ALK	1000	1	200		2030436	500	LCS DUP	
1205226-01	H	May-15-12 07:48	ALK	970	1	200				TechLaw	C10-20
1205226-02	H	May-15-12 07:48	ALK	980	1	200				TechLaw	C10-20

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1206140** Page 1 of 1

Printed: 5/15/2012 7:49:00AM

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

00316

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205226	DRO 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
1206140-BLK1		5-15-12	AIK	1000	1	200				BLANK	
1206140-BS1				1000				2030436	500	LCS	
1206140-BSD1				1000						LCS DUP	
1205226-01	H			970						TechLaw	C10-20
1205226-02	H			980						TechLaw	C10-20

Comments:

Analyst Initials: MG

bch_TriMatrix_blank.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206396

Printed: 5/21/2012 3:25:58PM

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2030436	#2 Diesel Fuel Spike	MeCl2/K26S01	na
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205358	DRO 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
1206396-BLK1		May-21-12 07:57	ALK	1000	1	200				BLANK	
1206396-BS1		May-21-12 07:57	ALK	1000	1	200		2030436	500	LCS	
1206396-BSD1		May-21-12 07:57	ALK	1000	1	200		2030436	500	LCS DUP	
1205358-01	H	May-21-12 07:57	ALK	950	1	200				TechLaw	C10-20

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206396 Page 1 of 1

Printed: 5/21/2012 8:16:43AM

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205358	DRO 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
1206396-BLK1		5/21/12	ALK	1000	1	200				BLANK	
1206396-BS1		↓	↓	1000	↓	↓		2030136	500	LCS	
1206396-BSD1				1000				↓	↓	LCS DUP	
1205358-01	H	↓	↓	950	↓	↓				TechLaw	C10-20

Bath 60°C

Comments:

Analyst Initials: SMS

bch_TriMatrix_blank.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1206578

Printed: 5/24/2012 4:53:06PM

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2030436	#2 Diesel Fuel Spike	MeCl2/K26S01	na
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205374	DRO 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
1206578-BLK1		May-24-12 07:54	ALK	1000	1	200				BLANK	Same as 1206580
1206578-BS1		May-24-12 07:54	ALK	1000	1	200		2030436	500	LCS	Same as 1206580
1206578-BSD1		May-24-12 07:54	ALK	1000	1	200		2030436	500	LCS DUP	Same as 1206580
1205374-01	H	May-24-12 07:54	ALK	940	1	200				TechLaw	C10-20

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1206578** Page 1 of 1

Printed: 5/24/2012 7:57:30AM

Semivolatiles GC, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2031282 (Pre-Prep)

Batch Comments: (none)

1h30

Standard	Description	Solvent	LotNum
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2031282	DRO Surrogate	MeOH/113905	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205374	DRO 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
1206578-BLK1		5/24/12	ALK	1000	1	200				BLANK	Same as 1206580
1206578-BS1				1000				2030436	500	LCS	
1206578-BSD1				1000						LCS DUP	
1205374-01	H			940						TechLaw	C10-20

Bath 60°C

Comments:

Analyst Initials: JTS

bch_TriMatrix_blank.rpt

Semivolatiles GC, Water, May-16-12

Instrument = 333, Calibration = 2D12010

Sequence Analyses:
DRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E16032-CCV1	QC		2031319		CALIBRATION CHECK	
1206140-BLK1	QC				BLANK	
1206140-BS1	QC				LCS	
1206140-BSD1	QC				LCS DUP	
1205226-01	DRO 8015B (master list)	H 01			TechLaw	C10-20
1205226-02	DRO 8015B (master list)	H 01			TechLaw	C10-20
2E16032-CCV2	QC		2031319		CALIBRATION CHECK	

Comments:	Analyst Initials:

Semivolatiles GC, Water, May-21-12

Instrument = 333, Calibration = 2D12010

Sequence Analyses:
DRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E21070-CCV1	QC		2031319		CALIBRATION CHECK	
1206396-BLK1	QC				BLANK	
1206396-BS1	QC				LCS	
1206396-BSD1	QC				LCS DUP	
1205358-01	DRO 8015B (master list)	H 01			TechLaw	C10-20
2E21070-CCV2	QC		2031319		CALIBRATION CHECK	

Comments:	Analyst Initials:

Semivolatiles GC, Water, Jun-01-12

Instrument = 333, Calibration = 2F04007

Sequence Analyses:
DRO 8015B (master list)

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2F01048-CAL1	QC		2030231		CAL STANDARD	
2F01048-CAL2	QC		2030230		CAL STANDARD	
2F01048-CAL3	QC		2030229		CAL STANDARD	
2F01048-CAL4	QC		2030228		CAL STANDARD	
2F01048-CAL5	QC		2030227		CAL STANDARD	
2F01048-CAL6	QC		2021121		CAL STANDARD	
2F01048-SCV1	QC		2030233		SECONDARY CAL CHECK	
1206578-BLK1	QC				BLANK	Same as 1206580
1206578-BS1	QC				LCS	Same as 1206580
1206578-BSD1	QC				LCS DUP	Same as 1206580
1205374-01	DRO 8015B (master list)	H 01			TechLaw	C10-20
2F01048-CCV1	QC		2030232		CALIBRATION CHECK	

Comments:	Analyst Initials:

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program					
						Initial Temp:	40 C
Instrument Number:	333	Hold for:	0.1 min	Ramp to:	340 C	deg/min:	200
Detector:	FID	Hold for:	1.5 min	Ramp to:	-	deg/min:	-
		Hold for:	-	Ramp to:	-	deg/min:	-
Method/Column Reference:	8015_dro_DB5	Hold for:	-	Ramp to:	-	deg/min:	-
						Injection Port Temperature	270 C
Column 1 Element #:	1111073	Column 2 Element #:					

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)	Absolute Window (sec.)	Compound Name
Date of Injection	02/29/12	03/01/12	03/05/12				
Time of Injection	3:50 PM	3:41 PM	12:48 PM				
Compound / File Name	FEB29A0000013	SIG10000006	MAR05B000000				
FID Detector	-	-	-	-	- -	-	FID Detector
C8	0.43	0.43	0.43	0.010	+/- 0.030	1.80	C8
C10	0.61	0.61	0.60	0.010	+/- 0.030	1.80	C10
C12	0.76	0.76	0.76	0.010	+/- 0.030	1.80	C12
C14	0.90	0.90	0.89	0.010	+/- 0.030	1.80	C14
C16	1.02	1.02	1.01	0.010	+/- 0.030	1.80	C16
C18	1.13	1.13	1.12	0.010	+/- 0.030	1.80	C18
C20	1.23	1.23	1.22	0.010	+/- 0.030	1.80	C20
C22	1.32	1.31	1.31	0.010	+/- 0.030	1.80	C22
C24	1.40	1.40	1.39	0.010	+/- 0.030	1.80	C24
C26	1.47	1.47	1.47	0.010	+/- 0.030	1.80	C26
C28	1.55	1.54	1.54	0.010	+/- 0.030	1.80	C28
C30	1.61	1.61	1.61	0.010	+/- 0.030	1.80	C30
C32	1.68	1.68	1.68	0.010	+/- 0.030	1.80	C32
C34	1.77	1.77	1.77	0.010	+/- 0.030	1.80	C34
C36	1.89	1.88	1.88	0.010	+/- 0.030	1.80	C36
C38	2.05	2.04	2.05	0.010	+/- 0.030	1.80	C38
C40	2.28	2.27	2.27	0.010	+/- 0.030	1.80	C40
-					+/-		-
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TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	333	**Date:**	5/16/12
Column 1 ID:	1111073	**File Name:**	MAY160000007
Column 2 ID:			

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
C8	0.421	0.391	to	0.451
C10	0.600	0.570	to	0.630
C12	0.757	0.727	to	0.787
C14	0.896	0.866	to	0.926
C16	1.019	0.989	to	1.049
C18	1.129	1.099	to	1.159
C20	1.228	1.198	to	1.258
C22	1.318	1.288	to	1.348
C24	1.401	1.371	to	1.431
C26	1.478	1.448	to	1.508
C28	1.549	1.519	to	1.579
C30	1.616	1.586	to	1.646
C32	1.688	1.658	to	1.718
C34	1.781	1.751	to	1.811
C36	1.906	1.876	to	1.936
C38	2.077	2.047	to	2.107
C40	2.316	2.286	to	2.346
-			to	
0.00			to	
0.00			to	
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TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program					
						Initial Temp:	40 C
Instrument Number:	333	Hold for:	0.1 min	Ramp to:	340 C	deg/min:	200
Detector:	FID	Hold for:	1.5 min	Ramp to:	-	deg/min:	-
		Hold for:	-	Ramp to:	-	deg/min:	-
Method/Column Reference:	8015_dro_DB5	Hold for:	-	Ramp to:	-	deg/min:	-
				Injection Port Temperature			270 C
Column 1 Element #:	1111073	Column 2 Element #:					

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)	Absolute Window (sec.)	Compound Name
Date of Injection	02/29/12	03/01/12	03/05/12				
Time of Injection	3:50 PM	3:41 PM	12:48 PM				
Compound / File Name	FEB29A0000013	SIG10000006	MAR05B000000				
FID Detector	-	-	-	-	-	-	FID Detector
C8	0.43	0.43	0.43	0.010	+/- 0.030	1.80	C8
C10	0.61	0.61	0.60	0.010	+/- 0.030	1.80	C10
C12	0.76	0.76	0.76	0.010	+/- 0.030	1.80	C12
C14	0.90	0.90	0.89	0.010	+/- 0.030	1.80	C14
C16	1.02	1.02	1.01	0.010	+/- 0.030	1.80	C16
C18	1.13	1.13	1.12	0.010	+/- 0.030	1.80	C18
C20	1.23	1.23	1.22	0.010	+/- 0.030	1.80	C20
C22	1.32	1.31	1.31	0.010	+/- 0.030	1.80	C22
C24	1.40	1.40	1.39	0.010	+/- 0.030	1.80	C24
C26	1.47	1.47	1.47	0.010	+/- 0.030	1.80	C26
C28	1.55	1.54	1.54	0.010	+/- 0.030	1.80	C28
C30	1.61	1.61	1.61	0.010	+/- 0.030	1.80	C30
C32	1.68	1.68	1.68	0.010	+/- 0.030	1.80	C32
C34	1.77	1.77	1.77	0.010	+/- 0.030	1.80	C34
C36	1.89	1.88	1.88	0.010	+/- 0.030	1.80	C36
C38	2.05	2.04	2.05	0.010	+/- 0.030	1.80	C38
C40	2.28	2.27	2.27	0.010	+/- 0.030	1.80	C40
-					+/-		-
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TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	333	**Date:**	5/21/12
Column 1 ID:	1111073	**File Name:**	MAY210000007
Column 2 ID:			

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
C8	0.421	0.391	to	0.451
C10	0.600	0.570	to	0.630
C12	0.758	0.728	to	0.788
C14	0.896	0.866	to	0.926
C16	1.019	0.989	to	1.049
C18	1.129	1.099	to	1.159
C20	1.228	1.198	to	1.258
C22	1.318	1.288	to	1.348
C24	1.401	1.371	to	1.431
C26	1.478	1.448	to	1.508
C28	1.549	1.519	to	1.579
C30	1.616	1.586	to	1.646
C32	1.689	1.659	to	1.719
C34	1.782	1.752	to	1.812
C36	1.908	1.878	to	1.938
C38	2.079	2.049	to	2.109
C40	2.317	2.287	to	2.347
-			to	
0.00			to	
0.00			to	
0.00			to	
0.00			to	
0.00			to	
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TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	333	**Date:**	6/1/12
Column 1 ID:	1111073	**File Name:**	JUNE010000007
Column 2 ID:			

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
FID Detector				
C8	0.419	0.389	to	0.449
C10	0.598	0.568	to	0.628
C12	0.756	0.726	to	0.786
C14	0.894	0.864	to	0.924
C16	1.017	0.987	to	1.047
C18	1.127	1.097	to	1.157
C20	1.226	1.196	to	1.256
C22	1.316	1.286	to	1.346
C24	1.399	1.369	to	1.429
C26	1.476	1.446	to	1.506
C28	1.548	1.518	to	1.578
C30	1.615	1.585	to	1.645
C32	1.687	1.657	to	1.717
C34	1.779	1.749	to	1.809
C36	1.903	1.873	to	1.933
C38	2.073	2.043	to	2.103
C40	2.313	2.283	to	2.343
-			to	
0.00			to	
0.00			to	
0.00			to	
0.00			to	
0.00			to	
0.00			to	
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-			to	

6/5/12

00352

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program						
						Initial Temp:	40 C	
Instrument Number:	333	Hold for:	0.1 min	Ramp to:	340 C	deg/min:	200	
Detector:	FID	Hold for:	1.5 min	Ramp to:	-	deg/min:	-	
Method/Column Reference:	8015_dro_DB5	Hold for:	-	Ramp to:	-	deg/min:	-	
		Hold for:	-	Ramp to:	-	deg/min:	-	
						Injection Port Temperature	270 C	
Column 1 Element #:	1111073	Column 2 Element #:						

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)		Absolute Window (sec.)	Compound Name
Date of Injection	02/29/12	03/01/12	03/05/12					
Time of Injection	3:50 PM	3:41 PM	12:48 PM					
Compound / File Name	FEB29A0000013	SIG10000006	MAR05B000000					
FID Detector	-	-	-	-	-	-	-	FID Detector
C8	0.43	0.43	0.43	0.010	+/-	0.030	1.80	C8
C10	0.61	0.61	0.60	0.010	+/-	0.030	1.80	C10
C12	0.76	0.76	0.76	0.010	+/-	0.030	1.80	C12
C14	0.90	0.90	0.89	0.010	+/-	0.030	1.80	C14
C16	1.02	1.02	1.01	0.010	+/-	0.030	1.80	C16
C18	1.13	1.13	1.12	0.010	+/-	0.030	1.80	C18
C20	1.23	1.23	1.22	0.010	+/-	0.030	1.80	C20
C22	1.32	1.31	1.31	0.010	+/-	0.030	1.80	C22
C24	1.40	1.40	1.39	0.010	+/-	0.030	1.80	C24
C26	1.47	1.47	1.47	0.010	+/-	0.030	1.80	C26
C28	1.55	1.54	1.54	0.010	+/-	0.030	1.80	C28
C30	1.61	1.61	1.61	0.010	+/-	0.030	1.80	C30
C32	1.68	1.68	1.68	0.010	+/-	0.030	1.80	C32
C34	1.77	1.77	1.77	0.010	+/-	0.030	1.80	C34
C36	1.89	1.88	1.88	0.010	+/-	0.030	1.80	C36
C38	2.05	2.04	2.05	0.010	+/-	0.030	1.80	C38
C40	2.28	2.27	2.27	0.010	+/-	0.030	1.80	C40
-					+/-			-
					+/-			0.00
					+/-			0.00
					+/-			0.00
					+/-			0.00
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					+/-			0.00
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00353

TRIMATRIX LABORATORIES

Instrument 333 HP7890	Date: 5/16/12	Sequence#: 05-16-2012	Date Archived:	Analyst: BJA

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: HP-5	Initial:						Column Clipped: Yes / No
Column Element #: 1111073	Hold:						New Injection Port Liner: Yes / No
Injection Volume: 1 uL	Rate:						New Septa: Yes / No
Injector / Detector: 270°C / 300°C	Final:						New Syringe: Yes / No
Default Temperature Program: Yes / No	Hold:						

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, Analytical Batch Information, etc.
MeCl2	MAY16000001	DRO(C10-C20)05-16-12			
	02				
	03				
	04				
	05				
INST BLK	06				
FLA DRO	07				
CCV1	08			Pass	
1206140-BLK1	09				
1206140-BS1	10				
1206140-BSD1	11				
1205226-01	12				
1205226-02	13				
CCV2	14			Pass	
					BJA 5/16/12

TRIMATRIX LABORATORIES

Instrument 333 HP7890	Date: 5/21/12	Sequence#: 05-21-2012	Date Archived:	Analyst: BJL

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: HP-5	Initial:						Column Clipped: Yes / No
Column Element #: 1111073	Hold:						New Injection Port Liner: Yes / No
Injection Volume: 1 uL	Rate:						New Septa: Yes / No
Injector / Detector: 270°C / 300°C	Final:						New Syringe: Yes / No
Default Temperature Program: Yes / No	Hold:						

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, Analytical Batch Information, etc.
MeCl2	MAY21000001	DRO(C10-C28) 05-21-2012 DRO(C10-C28) 05-21-2012 ORO(C20-C34) 05-21-2012			
	02				
	03				
	04				
	05				
INST BLK	06				
FLA DRO	07				
CCV1 DRO	08			Pass	
CCV1 ORO	09			Pass	
1205396-BLK1	10				
1205396-BS1	11				
1205396-BSD1	12				
1205396-BS2	13				
1205396-BSD2	14				
1205358-01	15				
1205381-01	16				

0355

TRIMATRIX LABORATORIES

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
1205346-01	17	DRO (C10-C20) 05-21-2012			
CCV2 DRO	18	DRO (C10-C28) 05-21-2012		Pass	
CCV2 ORO	19	ORO (C20-C34) 05-21-2012		Pass	
		↓			
					BJH 5/21/12

9536

TRIMATRIX LABORATORIES

Instrument 333 HP7890	Date: 6/1/12	Sequence#: 06-01-2012	Date Archived:	Analyst: BJG

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: HP-5	Initial:						Column Clipped: Yes / No
Column Element #: 1111073	Hold:						New Injection Port Liner: Yes / No
Injection Volume: 1 uL	Rate:						New Septa: Yes / No
Injector / Detector: 270°C / 300°C	Final:						New Syringe: Yes / No
Default Temperature Program: Yes / No	Hold:						

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, Analytical Batch Information, etc.
MeCl2	JONE010000001	DRO(C10-C20)06-01-2012+CAL			
CCV	02	DRO(C10-C28)06-01-2012+CAL		Pass	
MeCl2	03				
↓	04				
↓	05				
INST BLK	06				
FLA DRO	07				
L1 w/triacontane	08				
L2	09				
L3	10				
L4	11				
L5	12				
L6	13				
SCV	14			Pass	
1206580-BLK1	15				
1206580-BS1	16				

75696

TRIMATRIX LABORATORIES

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
1206578-BSD1	17	DRO(C10-C28)06-01-2012+CAL			
1205374-01	18	↓			
1205391-01	19	DRO(C10-C28)06-01-2012+CAL			
1205391-02	20				
1205391-03	21				
1206580-MS1	22				
1206580-MSD1	23				
1206651-BLK1	24				
CCV1	25			Pass	
1206651-BS1	26				
1206651-BSD1	27				
1205452-04	28				
1206698-BLK1	29				
1206698-BS1	30				
1206698-BSD1	31				
1205453-01	32				
1205453-02	33				
1205453-03	34				
1205453-04	35				
CCV2	36			Pass	
1205453-05	37				
1205461-02	38	↓			

00558

TRIMATRIX LABORATORIES

Sample type	Known QC Concentration (ug/L or mg/kg)	DRO area	o-terphenyl Area	Methylene Chloride Blank Area	Adjusted Area	DRO mg/L	Extracted volume (L) or mass (g)	Final Extract Volume (mL)	Final Extract Dilution (uL/uL)	Fractional Solids (%/100)	Instrument y-intercept	Instrument slope	DRO result to report	units (ug/L or mg/kg)	QC % recovery	Sample in calibration range?
CCV1	1000.000	9936	588	121	9226	1042	1	1	1	1	2	9	1042.449		104	YES
1206140-BLK1		706	443	121	141	16	1	1	1	1	2	9	15.795			YES
1206140-BS1		11085	430	121	10534	1190	1	1	1	1	2	9	1190.206			YES
1206140-BSD1		11136	420	121	10595	1197	1	1	1	1	2	9	1197.140			YES
1205226-01		13094	486	121	12487	1411	1	1	1	1	2	9	1410.867			YES
1205226-02		14526	469	121	13936	1575	1	1	1	1	2	9	1574.648			YES
CCV2	1000.000	10600	614	121	9864	1115	1	1	1	1	2	9	1114.5		111	YES
							1	1	1	1						
							1	1	1	1						
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							1	1	1	1						
SCV1	1000	9292	503	93	8696	983	1	1	1	1	2	9	982.5	mg/L	-	-
L1	125	1100	61	93	946	107	1	1	1	1	2	9	106.7	mg/L	-	-
L2	250	2384	137	93	2154	243	1	1	1	1	2	9	243.2	mg/L	-	-
L3	500	4824	280	93	4450	503	1	1	1	1	2	9	502.7	mg/L	-	-
L4	1000	9586	541	93	8952	1011	1	1	1	1	2	9	1011.4	mg/L	-	-
L5	2000	19115	1090	93	17932	2026	1	1	1	1	2	9	2026.3	mg/L	-	-
L6	4000	37729	2374	93	35262	3985	1	1	1	1	2	9	3984.7	mg/L	-	-
													r^2= 0.99987			

ASC 5/21/12

TRIMATRIX LABORATORIES

Sample type	Known QC Concentration (ug/L or mg/kg)	DRO area	o-terphenyl Area	Methylene Chloride Blank Area	Adjusted Area	DRO mg/L	Extracted volume (L) or mass (g)	Final Extract Volume (mL)	Final Extract Dilution (uL/uL)	Fractional Solids (%/100)	Instrument y-intercept	Instrument slope	DRO result to report	units (ug/L or mg/kg)	QC % recovery	Sample in calibration range?
CCV1	1000.000	9254	546	88	8620	974	1	1	1	1	2	9	973.872		97	YES
1206396-BLK1		751	443	88	221	25	1	1	1	1	2	9	24.747			YES
1206396-BS1		11115	388	88	10640	1202	1	1	1	1	2	9	1202.143			YES
1206396-BSD1		12431	424	88	11919	1347	1	1	1	1	2	9	1346.772			YES
1205346-01		1686	457	88	1141	129	1	1	1	1	2	9	128.774			YES
1205358-01		746	487	88	171	19	1	1	1	1	2	9	19.135			YES
CCV2	1000.000	9965	591	88	9286	1049	1	1	1	1	2	9	1049.2		105	YES
							1	1	1	1						
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							1	1	1	1						
SCV1	1000	9292	503	93	8696	983	1	1	1	1	2	9	982.5	mg/L	-	-
L1	125	1100	61	93	946	107	1	1	1	1	2	9	106.7	mg/L	-	-
L2	250	2384	137	93	2154	243	1	1	1	1	2	9	243.2	mg/L	-	-
L3	500	4824	280	93	4450	503	1	1	1	1	2	9	502.7	mg/L	-	-
L4	1000	9586	541	93	8952	1011	1	1	1	1	2	9	1011.4	mg/L	-	-
L5	2000	19115	1090	93	17932	2026	1	1	1	1	2	9	2026.3	mg/L	-	-
L6	4000	37729	2374	93	35262	3985	1	1	1	1	2	9	3984.7	mg/L	-	-
													r^2= 0.99987			

ASC 5/22/12

TRIMATRIX LABORATORIES

Sample type	Known QC Concentration (ug/L or mg/kg)	DRO area	o-terphenyl Area	Methylene Chloride Blank Area	Adjusted Area	DRO mg/L	Extracted volume (L) or mass (g)	Final Extract Volume (mL)	Final Extract Dilution (uL/uL)	Fractional Solids (%/100)	Instrument y-intercept	Instrument slope	DRO result to report	units (ug/L or mg/kg)	QC % recovery	Sample in calibration range?
1206578-BLK1		769	487	28	254	23	1	1	1	1	33	10	22.881			YES
1206578-BS1		9124	446	28	8650	894	1	1	1	1	33	10	893.995			YES
1206578-BSD1		9358	456	28	8874	917	1	1	1	1	33	10	917.256			YES
1205374-01		997	494	28	475	46	1	1	1	1	33	10	45.833			YES
CCV1	1000.000	10251	621	28	9601	993	1	1	1	1	33	10	992.676		99	YES
							1	1	1	1						
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							1	1	1	1						
SCV1	1000	10073	568	28	9476	980	1	1	1	1	33	10	979.7	mg/L	-	-
L1	125	1301	78	28	1194	120	1	1	1	1	33	10	120.4	mg/L	-	-
L2	250	2565	157	28	2380	243	1	1	1	1	33	10	243.5	mg/L	-	-
L3	500	5207	315	28	4864	501	1	1	1	1	33	10	501.2	mg/L	-	-
L4	1000	10325	609	28	9688	1002	1	1	1	1	33	10	1001.6	mg/L	-	-
L5	2000	20720	1222	28	19471	2017	1	1	1	1	33	10	2016.6	mg/L	-	-
L6	4000	41205	2670	28	38507	3992	1	1	1	1	33	10	3991.7	mg/L	-	-
													r^2= 0.99996			

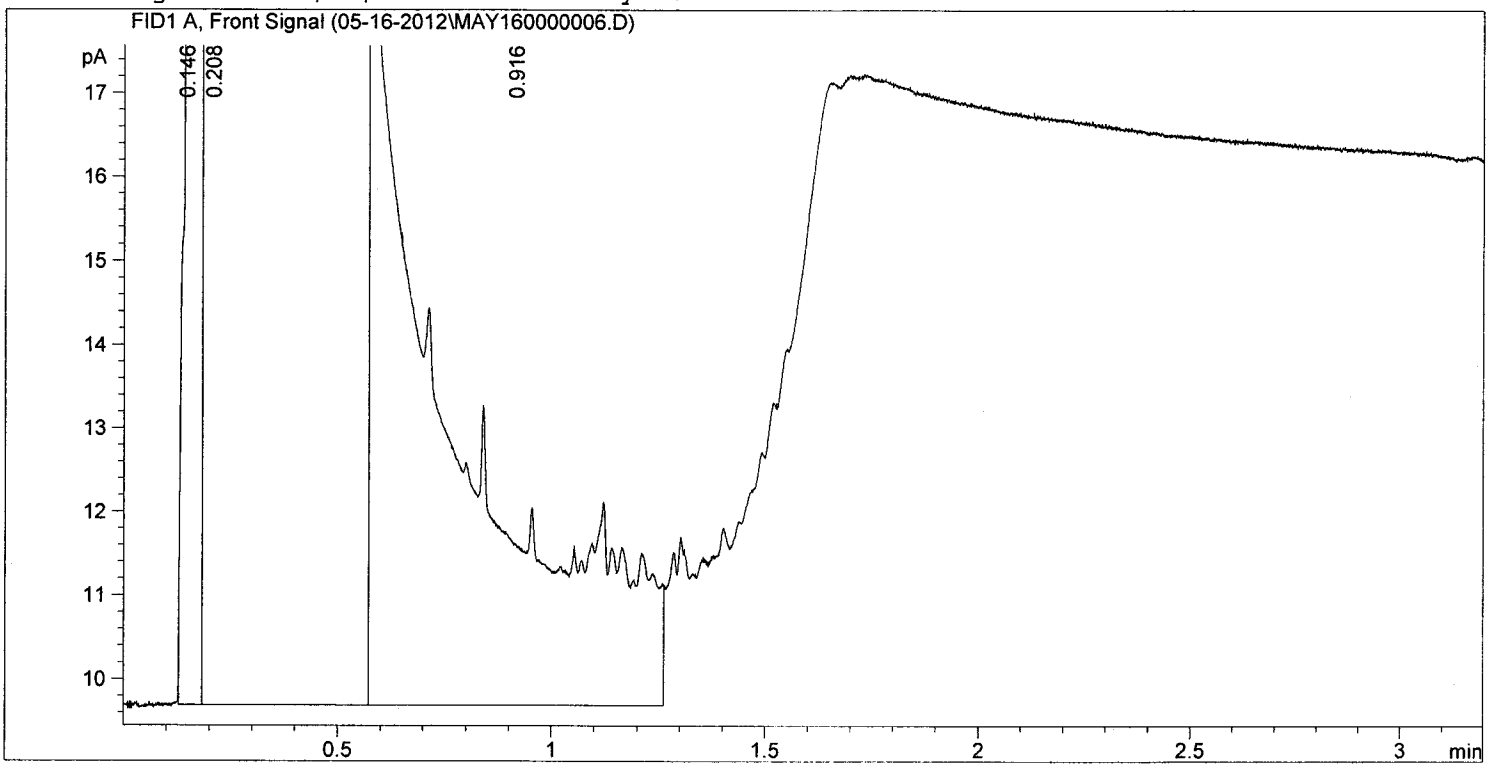
JWT 6/8/12

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000006.D
Sample Name: INST BLK

==========

Acq. Operator	: BJH	Seq. Line :	2
Acq. Instrument	: 333	Location :	Vial 1
Injection Date	: 5/16/2012 9:43:05	Inj :	1
		Inj Volume :	1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-16-2012.M
Last changed : 5/16/2012 10:10:57 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.2054	121.39938	0.01661	EPA DRO (C10-C20)

Totals : 121.39938 1.661e-2

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\1\DATA\05-16-2012\MAY160000006.D
Sample Name: INST BLK

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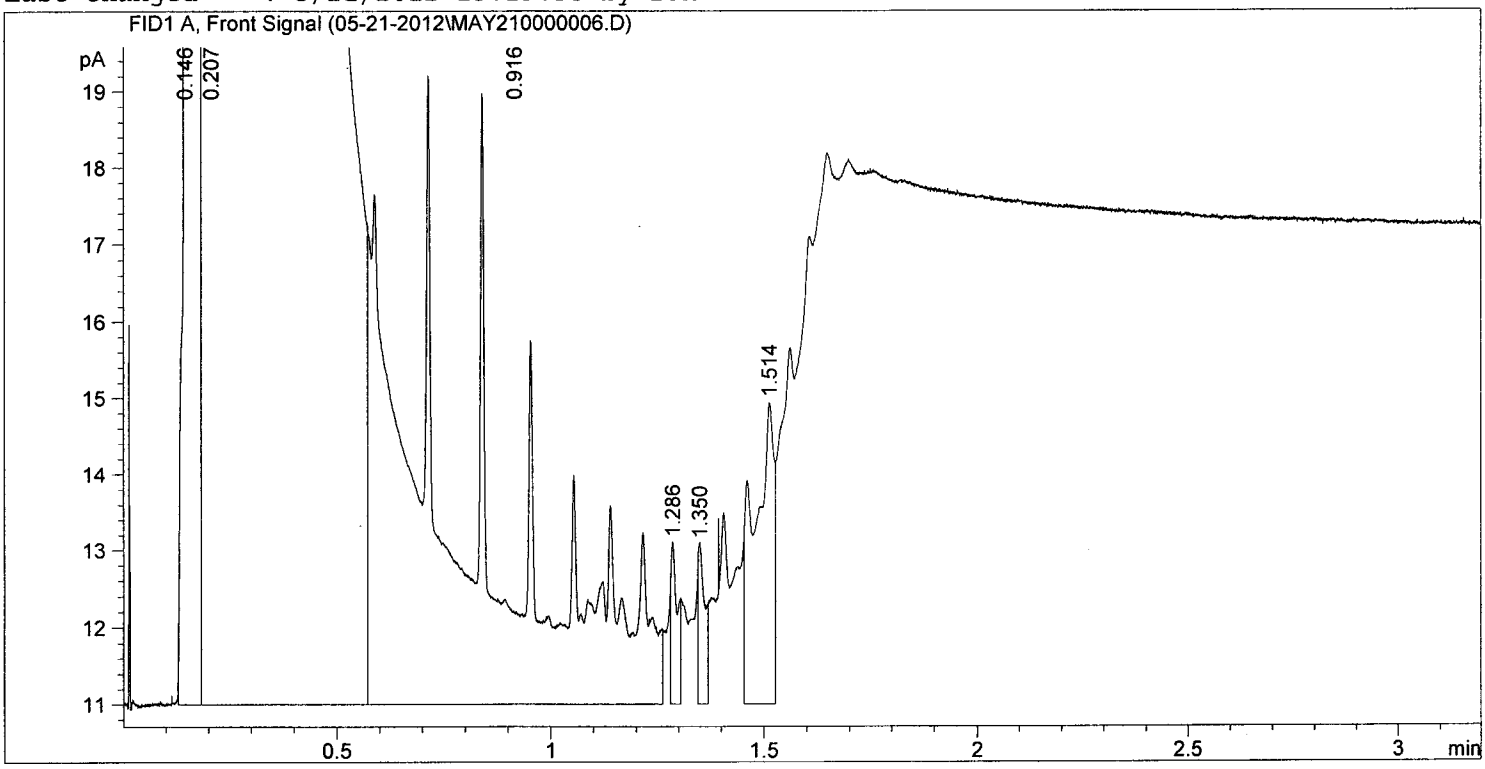
*** End of Report ***

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000006.D
Sample Name: INST BLK

==========

Acq. Operator	: BJH	Seq. Line	: 2
Acq. Instrument	: 333	Location	: Vial 1
Injection Date	: 5/21/2012 12:38:54	Inj	: 1
		Inj Volume	: 1 µl

Acq. Method : C:\CHEM32\1\METHODS\DRO_BF.M
Last changed : 3/31/2011 14:59:06 by ASC
Analysis Method : C:\CHEM32\1\METHODS\DRO(C10-C20)_05-21-2012.M
Last changed : 5/21/2012 13:19:35 by BJH



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.916	HHA+	0.1871	87.72214	0.01289	EPA DRO (C10-C20)

Totals : 87.72214 1.289e-2

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\1\DATA\05-21-2012\MAY210000006.D
Sample Name: INST BLK

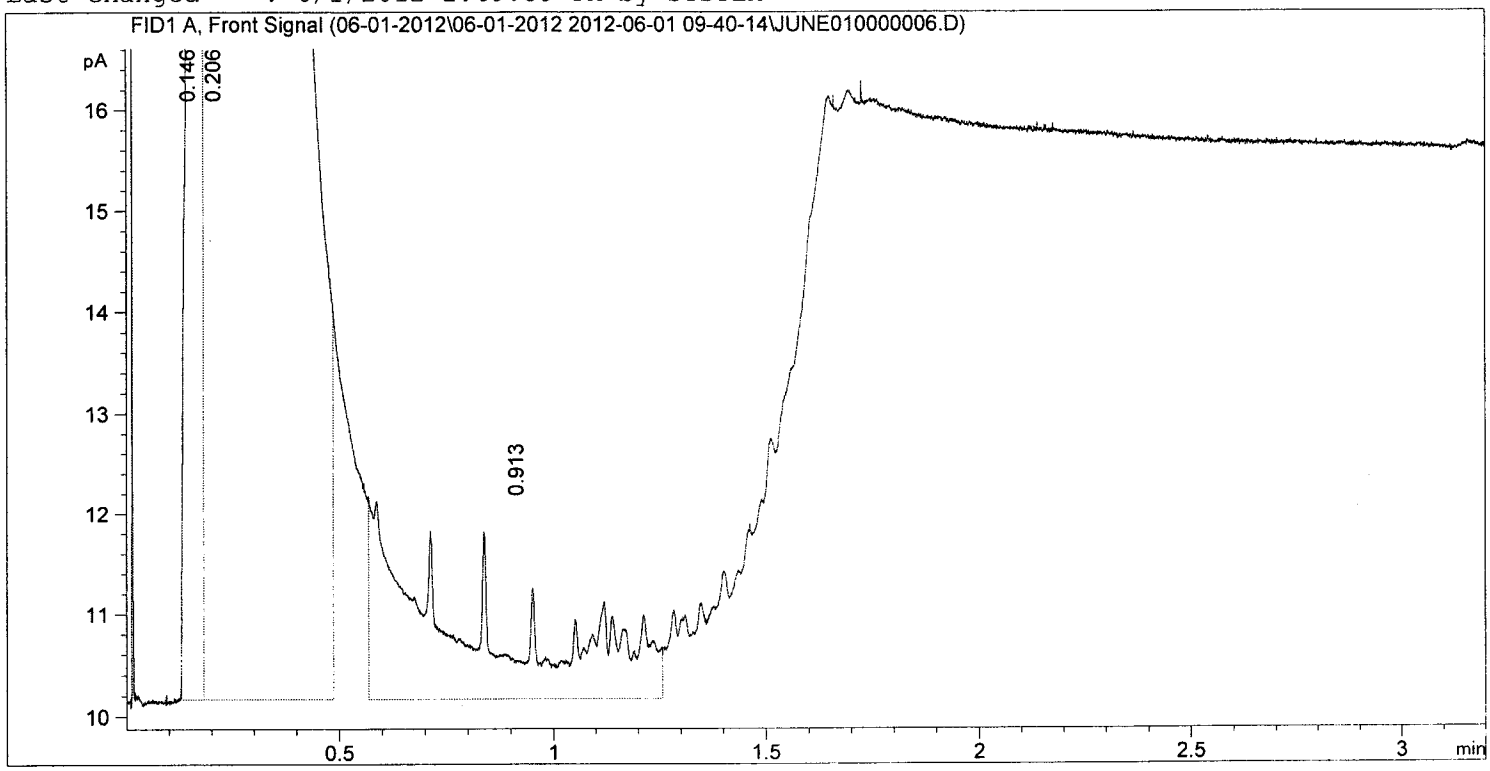
==========

*** End of Report ***

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000006.D
Sample Name: INST BLK

==========

Acq. Operator : SYSTEM Seq. Line : 2
Acq. Instrument : 333 Location : Vial 1
Injection Date : 6/1/2012 10:02:45 AM Inj : 1
Inj Volume : 1 µl
Acq. Method : C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\DRO_BF.M
Last changed : 6/1/2012 9:40:14 AM by SYSTEM
Analysis Method : C:\CHEM32\2\METHODS\DRO(C10-C20)_06-01-2012+CAL.M
Last changed : 6/1/2012 2:49:39 PM by SYSTEM



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/27/2012 8:52:39
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	0.913	HHA+	0.2412	28.18546	0.00384	EPA DRO (C10-C20)

Totals : 28.18546 3.840e-3

1 Warnings or Errors :

Warning : Negative results set to zero (cal. curve intercept), (EPA DRO (C10-C20))

Data File C:\CHEM32\2\DATA\06-01-2012\06-01-2012 2012-06-01 09-40-14\JUNE010000006.D
Sample Name: INST BLK

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*** End of Report ***