United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: 2/2/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12027B

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch (3HS31)
R3-3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Purgeable Petroleum Hydrocarbons by GC/FID

DIM0276390

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer	**EPA Region 3, Eastern Response Branch (3H**	**SDG:** 12027B
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/02/12 10:37
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
FB01	1201031-01	Water	01/23/12 14:42	01/27/12 09:52
FB02	1201031-02	Water	01/24/12 12:11	01/27/12 09:52
HW04	1201031-03	Water	01/24/12 14:33	01/27/12 09:52
HW19	1201031-04	Water	01/23/12 17:47	01/27/12 09:52
HW19-P	1201031-05	Water	01/23/12 19:07	01/27/12 09:52
FB03	1201033-01	Water	01/25/12 10:01	01/28/12 10:05
HW02	1201033-02	Water	01/25/12 12:58	01/28/12 10:05
HW02z	1201033-03	Water	01/25/12 12:59	01/28/12 10:05
HW08a	1201033-04	Water	01/25/12 11:46	01/28/12 10:05

SDG ID 12027B

Purgeable Petroleum Hydrocarbons:
Insufficient sample volume was provided to perform a matrix spike / matrix spike duplicate set on any samples in this SDG. A sample duplicate analysis was performed on sample 1201033-01.

Work Order(s)

1201031

1201033

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer	**EPA Region 3, Eastern Response Branch (3H**	**SDG:** 12027B
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/02/12 10:37
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1201031-01									**Water - Sampled: 01/23/12 14:42**
Sample ID: FB01									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0066	01/27/12	01/27/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			101 %	*76-121%*		"	"	"	
Lab ID: 1201031-02									**Water - Sampled: 01/24/12 12:11**
Sample ID: FB02									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0066	01/27/12	01/27/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1201031-03									**Water - Sampled: 01/24/12 14:33**
Sample ID: HW04									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0066	01/27/12	01/27/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1201031-04									**Water - Sampled: 01/23/12 17:47**
Sample ID: HW19									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0066	01/27/12	01/27/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			100 %	*76-121%*		"	"	"	
Lab ID: 1201031-05									**Water - Sampled: 01/23/12 19:07**
Sample ID: HW19-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0066	01/27/12	01/27/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			101 %	*76-121%*		"	"	"	
Lab ID: 1201033-01									**Water - Sampled: 01/25/12 10:01**
Sample ID: FB03									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0072	01/30/12	01/30/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			98 %	*76-121%*		"	"	"	
Lab ID: 1201033-02									**Water - Sampled: 01/25/12 12:58**
Sample ID: HW02									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0072	01/30/12	01/30/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			106 %	*76-121%*		"	"	"	
Lab ID: 1201033-03									**Water - Sampled: 01/25/12 12:59**
Sample ID: HW02z									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0072	01/30/12	01/30/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			104 %	*76-121%*		"	"	"	
Lab ID: 1201033-04									**Water - Sampled: 01/25/12 11:46**
Sample ID: HW08a									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2A0072	01/30/12	01/30/12	8015C/SOP380

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Project Manager: Richard Fetzer	**:PA Region 3, Eastern Response Branch (3H**	**SDG:** 12027B
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/02/12 10:37
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1201033-04									**Water - Sampled: 01/25/12 11:46**
Sample ID: HW08a									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		*B2A0072*	*01/30/12*	*01/30/12*	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2A0066 - 5030 P&T TPH-G - TPH - Purgeable										**Prepared & Analyzed: 01/27/12**
								Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control		
Blank (B2A0066-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*123*			"	*125*		99	*76-121*		
LCS (B2A0066-BS1)										
TPH as Gasoline	490		50	ug/L	500		98	75-114		200
Surrogate: a,a,a-Trifluorotoluene	*134*			"	*125*		107	*76-121*		
Batch B2A0072 - 5030 P&T TPH-G - TPH - Purgeable										**Prepared & Analyzed: 01/30/12**
								Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control		
Blank (B2A0072-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*134*			"	*125*		107	*76-121*		
LCS (B2A0072-BS1)										
TPH as Gasoline	486		50	ug/L	500		97	75-114		200
Surrogate: a,a,a-Trifluorotoluene	*140*			"	*125*		112	*76-121*		
Duplicate (B2A0072-DUP1)		**Source: 1201033-01**								
TPH as Gasoline	ND	U	50	ug/L		ND				20
Surrogate: a,a,a-Trifluorotoluene	*130*			"	*125*		104	*76-121*		

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Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/02/12 10:37
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

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ICF INTERNATIONAL

ICF International / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

DATE: February 1, 2012

TO: Richard Bauer, Chemistry TOM, EPA Region 9, Laboratory Section, MTS-2

FROM: Ziyad Rajabi, Organic Group Leader

SUBJECT: Analytical Results for TDF 01001084

As assigned under EPA Contract No. EP-W-06-041, TDF 01001084, ESAT completed analysis of nine water samples for the Dimock Residential Groundwater Site project, Case R33911, SDG 12027B, Work Order1201031, 1201033 for purgeable TPH following EPA Region 9 Laboratory SOP 380 based on method SW5030B, SW5035, and SW8015C. The draft analytical report and raw data package are attached.

If you have any questions regarding this information please contact me at extension 22390.

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EPA Region 9 Laboratory

DATA PACKAGE

Analysis:	**TPH-gas**
Project Number:	**R33911**
SDG Number:	**12027B**
Work Orders:	**1201031, 1201033**
ESAT DCN:	**14458**

Contents

- **Review Forms**
- **Tracking Forms**
- ***Sample Preparation***
- **Data**
  -Initial Calibration Data
  -Sample Data
- ***Miscellaneous Data***
- **Standard Records**
- ***Canister Certification Data***

Sections in italics are included as applicable

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REVIEW FORMS

General Project Management and ESAT Contractor Oversight Review

Project Number: R33911 SDG: 12027B

Analysis: purgeable TPH Number of Pages: 194

Reviewer: Baver

- ☑ Review project notes and requirements (including TDF) and verify that correct analytical procedures and any special instructions were followed. Note any significant deviations or omissions in report narrative or return to contractor for correction.
- ☑ Review project memo field for each work order and include information pertinent to data users in report narrative. (Information important only to chemist reviewing the raw data package should be included in data package, but not in the report narrative).
- ☑ Review chain of custody documentation and verify that information in report corresponds correctly. Verify that any sample shipping or handling issues are properly documented and reported.
- ☑ Review analytical report and QC report and verify that qualifier flags for holding times, sample handling, surrogates, blanks, blank spikes, matrix QC, and calibration range have been appropriately applied.
- ☑ Review LIMS Data Entry table for unaddressed outliers.
- ☑ Verify that all major sections of data package are present.

Comments: ~~Added discussion of vials received next day to narrative.~~ ← discussion applies to RSK-175, not TPH-G. AMB 2/2/12

OK

Reviewer Signature RMM Date 2/2/12

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ESAT Region 9 | **ICF International**
Case: R33911 | **Analysis:** TPH-gas | **TDF:** 01001084 | **Matrix:** water
DCN: 14458 | **Site:** Dimock Residential Groundwater Site | **SDG:** 12027B

ESAT REGION 9 DATA PACKAGE TECHNICAL REVIEW GUIDE

Reviewer:	Package Prep (P): GMB	Technical (T): ZR	Final (F):
	Date: 02.01.12	Date: 02-01-12	Date: 2/2/12

P T F N/A (indicates that the item is present and reviewed for accuracy and completeness)

Report Section

- ☑ ☑ ☑ ESAT Cover Memo (original)
- ☑ ☑ ☑ TDF included and requirements met (e.g. project analytes, project QLs, special procedures)
- ☑ ☑ ☑ Draft LIMS Report

Data Package Cover

- ☑ ☑ ☑ Case, SDG, Work Order(s), TDF#-DCN [First numbered page in the data package]

Review Forms

- ☑ ☑ ☑ EPA Review Form and Technical Review Guide included and complete.
- ☑ ☑ ☑ ☐ LIMS memo field; include as applicable.
- ☐ ☐ ☐ ☑ Discrepancy form(s) include as applicable
- ☑ ☑ ☑ ☐ Daily folder review forms are complete and reviewed; QC outliers noted
- ☑ ☑ ☑ ☐ Analysis matrix listing all analytical runs is included, as applicable

Tracking Forms

- ☑ ☑ ☑ Work Orders and Chains of Custody forms included and reviewed.
- ☑ ☑ ☑ Preparation and analyses performed within holding times. Qualify and/or explain deviations in memo field
- ☑ ☑ ☑ ☐ Cooler temperatures recorded on COC are within specification. Qualify and/or explain deviations in memo field

Sample Preparation

- ☑ ☑ ☑ ☐ Bench sheets and extraction logs, where applicable
- ☐ ☐ ☐ ☑ Sample cleanup data and records (e.g. GPC logs)
- ☐ ☐ ☐ ☑ Homogenization and Moisture data

Initial Calibration Data

Group ICAL data by instrument and analysis date:

- ☑ ☑ ☐ ☐ All ICALs associated with samples are present, reviewed, and pass SOP criteria. (If failure, discrepancy form must be included)
- ☑ ☑ ☐ ☐ Check for misidentification (e.g. isomers such as dichlorobenzene)

Sample Data

Group data for the following areas in sections by method, instrument, and analysis date.

Continuing Calibrations

- ☑ ☑ ☐ ☐ All CCALs associated with samples are present and meet SOP criteria. If not, discrepancy form included.
- ☑ ☑ ☐ Average RRFs from associated ICAL are correctly transposed to CCAL summary form
- ☑ ☑ ☐ CCAL RRFs and %Ds calculated correctly. Check at least 1 surrogate & 1 target analyte
- ☑ ☑ ☐ Check %Ds and RRFs against SOP criteria

ESAT Region 9 **ICF International**
Case: R33911 **Analysis:** TPH-gas **TDF:** 01001084 **Matrix:** water
DCN: 14458 **Site:** Dimock Residential Groundwater Site **SDG:** 12027B

P T F N/A (indicates that the item is present and reviewed for accuracy and completeness)

Quantitation Limit Standards
¤ ¤ ¤ ¤ Percent recoveries of 60-140% met; outliers noted and flagged

Laboratory Control Samples
¤ ¤ ¤ Percent recoveries met. If not, discrepancy form included unless not required because: _____

Method Blanks
¤ ¤ ¤ Present and no target analyte results > ½ QL; if not, flag data as appropriate

MS/MSD or Duplicate Data
¤ ¤ ¤ ¤ Percent recoveries and RPDs were met; outliers are noted and flagged. Note significant deviations in LIMS memo field

Sample Data
¤ ¤ ¤ ¤ Bench sheet(s) and injection or run logs present for all samples
¤ ¤ ¤ ¤ Internal standards meet SOP criteria
¤ ¤ ¤ ¤ System Monitoring Compound/Surrogate recoveries met; outliers are noted and flagged
¤ ¤ ¤ All non-detects are reported as ND on the quantitation report and explained for QC samples
¤ ¤ ¤ Quantitation results are correctly calculated. Check at least one surrogate or one target analyte
¤ ¤ ¤ Mass spectral data are present for all target analytes
¤ ¤ ¤ ¤ Check for manual integrations (m) identified on quantitation reports. Verify presence of manual integration data, initialed and dated by a supervisor
¤ ¤ ¤ ¤ Compound concentrations exceeding the upper range of the instrument are reported from the dilution run
¤ ¤ Check for carry-over contamination
¤ ¤ ¤ ¤ Dilutions and reruns appropriate.
¤ ¤ ¤ TICs properly identified; TIC report and data present; proper TIC name used (Organics)
¤ ¤ ¤ ¤ QC outliers are appropriately flagged in LIMS

Miscellaneous Data
¤ ¤ ¤ ¤ Storage blank data present
¤ ¤ ¤ ¤ Other data, as applicable _____

Standards Records
¤ ¤ ¤ ¤ Standards records from LIMS (and logbook pages as needed)

Canister Certification Data (TO 15 only)
¤ ¤ ¤ ¤ Data and supporting QC present

For ESAT Files: ESAT Review form (original) and Cover Memo (copy)

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WORK ORDER NOTES - 1201033

1201033 - US EPA Region 3, Eastern Response
Dimock Residential Groundwater

Edit Done

Vials 1201033-04G and 1201033-04H were received in a separate shipment on 1/30/12. These vials have the same sample designation, collection time and date, and sample tag numbers as sample vials 1201033-04C and 1201033-04D that were received 1/28/12. They were added to this work order. Cooler 2 was added to this work order, and is the same cooler 2 on work order 1201034. - rjb 1/30/12.

Organics Daily Folder Preparation/Technical Review Guide

Analysis Method	TPH GAS	Analyst Initial	YNB	Reviewer Initial	[illegible]	Batch/ Sequence	2010034
Instrument ID	AG 5975 D	Date Analyzed	01.24.12	Date	01/25/12	Chemstation Last Update	Wed Jan 25 10:49:01 2012
Cases	CALIBRATION			SDGs	ICAL		

Review each item listed below. As problems are discovered list them in the non-conformance section of the form and provide and explanation in the discussion part of the table.

NA	A	PR	Item Description
	✓	✓	Runlog (Present, legible, peer reviewed)
✓			Tune/ Degradation Standard
	✓	✓	Initial Calibration (SOP criteria for number of levels, concentration, and %RSD). Manual calculation. Include summary for daily review.
✓			Continuing Calibration Verification (frequency, recovery, and %D). Manual calculation.
✓			QLS (level, frequency, and recovery) (include Chemstation summary)
✓			Method / Extraction / Storage Blanks (frequency and contamination levels)
✓			Surrogate Recoveries
✓			IS Areas (SOP criteria met)
✓	✓	✓	LCS (level, frequency, and recovery) (include Chemstation summary) second source
✓			MS/MSD
✓			Samples (within calibration range, results calculated correctly)
✓			Manual Integration Verified
	✓	✓	Standard Prep Log (all pages present, legible, peer reviewed, legible)
✓		✓	Sample Prep/Extraction (all pages present, legible, peer reviewed)
	✓	✓	Others: use methylpentane, Trimethylbenzene to establish GAS RET time window

NA = not applicable A = Analyst check PR = Peer Review Check

Non-conformance Report

QC	File ID	Result	QC Limit	High Bias	Low Bias	Flag ND	Flag Hits	Discussion
	O.K		± 20%					
	second source	OK						

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Organics Daily Folder Preparation/Technical Review Guide

Analysis Method	TPH GAS	Analyst Initial	YNB	Reviewer Initial	RH	Batch/ Sequence	B2A0066/2010043
Instrument ID	AG 5975 D	Date Analyzed	01.27.12	Date	1/30/12	Chemstation Last Update	Wed Jan 25 10:49:01 2012
Cases	R12S30/R33911			SDGs	12027A/11027B		

Review each item listed below. As problems are discovered list them in the non-conformance section of the form and provide and explanation in the discussion part of the table.

NA	A	PR	Item Description
	✓	✓	Runlog (Present, legible, peer reviewed)
✓			Tune/ Degradation Standard
	✓	✓	Initial Calibration (SOP criteria for number of levels, concentration, and %RSD). Manual calculation. Include summary for daily review.
	✓	✓	Continuing Calibration Verification (frequency, recovery, and %D). Manual calculation.
	✓	✓	QLS (level, frequency, and recovery) (include Chemstation summary)
	✓	✓	Method / Extraction / Storage Blanks (frequency and contamination levels)
	✓	✓	Surrogate Recoveries
✓			IS Areas (SOP criteria met)
	✓	✓	LCS (level, frequency, and recovery) (include Chemstation summary)
✓			MS/MSD
	✓	✓	Samples (within calibration range, results calculated correctly)
✓			Manual Integration Verified
✓			Standard Prep Log (all pages present, legible, peer reviewed, legible)
✓			Sample Prep/Extraction (all pages present, legible, peer reviewed)
✓			Others:

NA = not applicable A = Analyst check PR = Peer Review Check

Non-conformance Report

QC	File ID	Result	QC Limit	High Bias	Low Bias	Flag ND	Flag Hits	Discussion

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Organics Daily Folder Preparation/Technical Review Guide

Analysis Method	TPH GAS	Analyst Initial	YNB	Reviewer Initial	ZK	Batch/ Sequence	B2A0072/2010048
Instrument ID	AG 5975 D	Date Analyzed	01.30.12	Date	01/31/12	Chemstation Last Update	Wed Jan 25 10:49:01 2012
Cases	R33911			SDGs	11027B/12030A		

Review each item listed below. As problems are discovered list them in the non-conformance section of the form and provide and explanation in the discussion part of the table.

NA	A	PR	Item Description
	✓	✓	Runlog (Present, legible, peer reviewed)
✓			Tune/ Degradation Standard
	✓	✓	Initial Calibration (SOP criteria for number of levels, concentration, and %RSD). Manual calculation. Include summary for daily review.
	✓	✓	Continuing Calibration Verification (frequency, recovery, and %D). Manual calculation.
	✓	✓	QLS (level, frequency, and recovery) (include Chemstation summary)
	✓	✓	Method / Extraction / Storage Blanks (frequency and contamination levels)
	✓	✓	Surrogate Recoveries
✓			IS Areas (SOP criteria met)
	✓	✓	LCS (level, frequency, and recovery) (include Chemstation summary)
✓			MS/MSD
	✓	✓	Samples (within calibration range, results calculated correctly)
✓			Manual Integration Verified
✓			Standard Prep Log (all pages present, legible, peer reviewed, legible)
✓			Sample Prep/Extraction (all pages present, legible, peer reviewed)
✓			Others:

NA = not applicable A = Analyst check PR = Peer Review Check

Non-conformance Report

QC	File ID	Result	QC Limit	High Bias	Low Bias	Flag ND	Flag Hits	Discussion

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USEPA Region 9 Laboratory
Organic Analysis Summary

Case: R33911
SDG: 12027B
Analysis: TPH GRO

YNB

Sample ID	Sample Runs		
[redacted]	AG5975D	AG5975D	INSTRUMENT
[redacted]	1/27/2012	1/30/2012	
[redacted]	2010043	2010048	
1201031-01	RPT		
1201031-02	RPT		
1201031-03	RPT		
1201031-04	RPT		
1201031-05	RPT		
1201033-01		RPT	
B2A0072-DUP1		RPT	
1201033-02		RPT	
1201033-03		RPT	
1201033-04		RPT	
	RPT B2A0066-BLK1	RPT B2A0072-BLK1	
	RPT B2A0066-BS1	RPT B2A0072-BS1	

Definitions

RPT	Report
NU	Not Used
OC	Over calibration
OTT	Out of tune time
nX	Dilution, where n is dilution factor

SAMPLE TRACKING FORMS

DIM0276390 DIM0276406

WORK ORDER

Printed: 2/1/2012 12:02:53PM

1201031

EPA Region 9 Laboratory

Client: US EPA Region 3, Eastern Response Branch (3HS. **Project Number:** R33911
Project: Dimock Residential Groundwater

Report To:
US EPA Region 3, Eastern Response Branch (3HS31)
Richard Fetzer
100 Gypsum Road
Stroudsburg, PA 18360
Phone: (215) 341-6307
Fax: XX

Project Contact
US EPA Region 3, Eastern Response Branch (3HS31)
Richard Fetzer
100 Gypsum Road
Stroudsburg, PA 18360
Phone :(215) 341-6307
Fax: XX

Shipping Containers	Description	Temp C	Custody Seals?	Containers Intact?	Labels COC Agree?	Preservation Confirmed?	Received on Ice?	Comments
1Cooler	Default Cooler	3	Yes	Yes	Yes	No	Yes	
2Cooler	Default Cooler	2	Yes	Yes	Yes	No	Yes	

Date Due:	02/17/12 15:00 (21 day TAT)	SDG:	12027B
Received By:	Richard Bauer	Date Received:	01/27/12 09:52
Logged In By:	Garrett Peterson	Date Logged In:	01/27/12•10:22

Analysis	Hold Time Expires	Comments
1201031-01 FB01 [Water] Sampled 01/23/12 14:42 Pacific		
TPH - Extractable	01/30/12	
TPH - Purgeable	02/06/12	
Dissolved HC Gases	02/06/12	5 day prelim results
1201031-02 FB02 [Water] Sampled 01/24/12 12:11 Pacific		
TPH - Purgeable	02/07/12	
TPH - Extractable	01/31/12	
Dissolved HC Gases	02/07/12	5 day prelim results
1201031-03 HW04 [Water] Sampled 01/24/12 14:33 Pacific		
TPH - Extractable	01/31/12	
TPH - Purgeable	02/07/12	
Dissolved HC Gases	02/07/12	5 day prelim results
1201031-04 HW19 [Water] Sampled 01/23/12 17:47 Pacific		
Dissolved HC Gases	02/06/12	5 day prelim results
TPH - Extractable	01/30/12	
TPH - Purgeable	02/06/12	
1201031-05 HW19-P [Water] Sampled 01/23/12 19:07 Pacific		
TPH - Purgeable	02/06/12	
Dissolved HC Gases	02/06/12	5 day prelim results
TPH - Extractable	01/30/12	

WORK ORDER

Printed: 2/1/2012 12:02:53PM

1201031

EPA Region 9 Laboratory

Client: US EPA Region 3, Eastern Response Branch (3HS: **Project Number:** R33911
Project: Dimock Residential Groundwater

Analysis	Hold Time Expires	Comments
Analysis	**Expires**	**Comments**
1201031-06 TB01 [Water] Sampled 01/23/12 12:30 Pacific		
Dissolved HC Gases	02/06/12	5 day prelim results

Reviewed By

Date

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No: CT5865
SDG No:
L

Date Shipped:	1/26/2012
Carrier Name:	FedEx
Airbill:	8417 6908 4279
Shipped to:	US EPA Region 9 Lab 1337 South 46th Street, Bldg 201 Richmond CA 94804 (510) 412-2389

Chain of Custody Record

Sampler Signature: B. Burns for Tom Sedlacek

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 B. Burns	1/26/12 08:00	Red Ex	8417690842 79
2			
3			
4 Red Ex →		RJM	1/27/12 0952

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
FB02	Aqueous/ Tom Sedlacek	L/G	DRO (7)	192 (-NA- / 1000mlAmber), 193 (-NA- / 1000mlAmber) (2)	FB02	S: 1/24/2012	12:11	
HW04	Drinking Water/ Mike Ferrier	L/G	DRO (7)	146 (-NA- / 1000mlAmber), 147 (-NA- / 1000mlAmber) (2)	HW04	S: 1/24/2012	14:33	

Cooler #1

00019

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): B. Burns for Mike Ferrier	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Yes / Shipment Iced? Yes
DRO = 11-Diesel Range Organics				

TR Number: 3-043013577-012512-0009

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

FZVS1.047 Page 1 of 1

DIM0276390

DIM0276409

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No: CT5865
SDG No:
L

Date Shipped:	1/25/2012
Carrier Name:	FedEx
Airbill:	7931 5621 5581
Shipped to:	US EPA Region 9 Lab 1337 South 45th Street, Bldg 201 Richmond CA 94804 (510) 412-2389

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
TB Burns	1/25/12 16:20	FedEx 7931 5621 5581	
2			
3			
4 FedEx		[illegible]	1/27/12 0952

Sampler Signature: B. Burns for Bryan Berna

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
FB01	Aqueous/ Bryan Berna	L/G	DRO (7), GRO (7), RSK-175 (7)	167 (HCl / 40mlGlassVial), 168 (HCl / 40mlGlassVial), 80 (-NA- / 1000mlAmber), 81 (-NA- / 1000mlAmber), 84 (HCl / 40mlGlassVial), 85 (HCl / 40mlGlassVial) (6)	FB01	S: 1/23/2012	14:42	
FB02	Aqueous/ Tom Sedlacek	L/G	GRO (7), RSK-175 (7)	169 (HCl / 40mlGlassVial), 170 (HCl / 40mlGlassVial), 195 (HCl / 40mlGlassVial), 196 (HCl / 40mlGlassVial) (4)	FB02	S: 1/24/2012	12:11	Cooler #2
HW04	Drinking Water/ Mike Ferrier	L/G	GRO (7), RSK-175 (7)	148 (HCl / 40mlGlassVial), 149 (HCl / 40mlGlassVial), 150 (HCl / 40mlGlassVial), 151 (HCl / 40mlGlassVial) (4)	HW04	S: 1/24/2012	14:33	
HW19	Drinking Water/ Mike Ferrier	L/G	DRO (7), GRO (7), RSK-175 (7)	100 (-NA- / 1000mlAmber), 101 (HCl / 40mlGlassVial), 102 (HCl / 40mlGlassVial), 171 (HCl / 40mlGlassVial), 172 (HCl / 40mlGlassVial), 99 (-NA- / 1000mlAmber) (6)	HW19	S: 1/23/2012	17:47	
HW19-P	Drinking Water/ Mike Ferrier	L/G	DRO (7), GRO (7), RSK-175 (7)	114 (-NA- / 1000mlAmber), 115 (-NA- / 1000mlAmber), 116 (HCl / 40mlGlassVial), 117 (HCl / 40mlGlassVial), 118 (HCl / 40mlGlassVial), 119 (HCl / 40mlGlassVial) (6)	HW19-P	S: 1/23/2012	19:07	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): B. Burns for Tom Sedlacek; B. Burns for Mike Ferrier	Cooler Temperature Upon Receipt: 2°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Yes	Shipment Iced? Yes

DRO = 11-Diesel Range Organics, GRO = 11-Gasoline Range Organics, RSK-175 = 11-Dissolved Gases_Meth,Ethe,Etha

TR Number: 3-043013577-012512-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

F2V3.1.047 Page 1 of 2

DIM0276390

DIM0276410

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case	
Client No:	CT5865
SDG No:	

L

Date Shipped: 1/25/2012	**Chain of Custody Record**		Sampler Signature: B Burns	**For Lab Use Only**
Carrier Name: FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)
Airbill: 7931 5621 5581	B Burns	1/25/12 16:20	FedEx 7931 5621 5581	Lab Contract No:
Shipped to: US EPA Region 9 Lab, 1337 South 46th Street, Bldg 201, Richmond CA 94804, (510) 412-2389	2			Unit Price:
	3			Transfer To:
	4 FedEx		RM 1/26/12 0952	Lab Contract No:
				Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
TB01	Aqueous/ Brian Burns	L/G	RSK-175 (7)	6 (HCl / 40mlGlassVial), 7 (HCl / 40mlGlassVial) (2)	TB01	S: 1/23/2012	12:30	

cooler #2

00021

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 2°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Yes	Shipment Iced? Yes

DRO = 11-Diesel Range Organics, GRO = 11-Gasoline Range Organics, RSK-175 = 11-Dissolved Gases_Meth,Ethe,Etha

000124

TR Number: 3-043013577-012512-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

2/3/12

1201033

EPA Region 9 Laboratory

Client: US EPA Region 3, Eastern Response Branch (3HS. **Project Number:** R33911
Project: Dimock Residential Groundwater

Report To:
US EPA Region 3, Eastern Response Branch (3HS31)
Richard Fetzer
100 Gypsum Road
Stroudsburg, PA 18360
Phone: (215) 341-6307
Fax: XX

Project Contact
US EPA Region 3, Eastern Response Branch (3HS31)
Richard Fetzer
100 Gypsum Road
Stroudsburg, PA 18360
Phone :(215) 341-6307
Fax: XX

Shipping Containers	Description	Temp C	Custody Seals?	Containers Intact?	Labels COC Agree?	Preservation Confirmed?	Received on Ice?	Comments
1Cooler	Cooler	2	Yes	Yes	Yes	No	Yes	
2 Cooler	Cooler	3	Yes	Yes	Yes	No	Yes	Received 1/30/12 0830

Date Due:	02/18/12 15:00 (21 day TAT)	SDG:	12027B
Received By:	Barbara Bates	Date Received:	01/28/12 10:05
Logged In By:	Richard Bauer	Date Logged In:	01/30/12 08:22

Analysis	Hold Time Expires	Comments
1201033-01 FB03 [Water] Sampled 01/25/12 10:01 Pacific		
TPH - Purgeable	02/08/12	
TPH - Extractable	02/01/12	
Dissolved HC Gases	02/08/12	5 day prelim results
1201033-02 HW02 [Water] Sampled 01/25/12 12:58 Pacific		
TPH - Purgeable	02/08/12	
TPH - Extractable	02/01/12	
Dissolved HC Gases	02/08/12	5 day prelim results
1201033-03 HW02z [Water] Sampled 01/25/12 12:59 Pacific		
TPH - Purgeable	02/08/12	
TPH - Extractable	02/01/12	
Dissolved HC Gases	02/08/12	5 day prelim results
1201033-04 HW08a [Water] Sampled 01/25/12 11:46 Pacific		
TPH - Purgeable	02/08/12	
TPH - Extractable	02/01/12	
Dissolved HC Gases	02/08/12	5 day prelim results

Reviewed By _____ Date _____

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No: CT5865
SDG No:
L

Date Shipped:	1/27/2012
Carrier Name:	FedEx
Airbill:	7931 6649 4730
Shipped to:	US EPA Region 9 Lab 1337 South 46th Street, Bldg 201 Richmond CA 94804 (510) 412-2389

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	1/27/12 1700	Barbara Eric	1/28/12 10:05 am
2			
3			
4			

Sampler Signature: [signature] for Joel Munson

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
FB03	Aqueous/ Joel Munson	L/G	DRO (7), GRO (7), RSK-175 (7)	254 (-NA- / 1000mlAmber), 255 (-NA- / 1000mlAmber), 256 (HCl / 40mlGlassVial), 257 (HCl / 40mlGlassVial), 258 (HCl / 40mlGlassVial), 259 (HCl / 40mlGlassVial) (6)	FB03	S: 1/25/2012 10:01	
HW02	Drinking Water/ Mike Ferrier	L/G	DRO (7), GRO (7), RSK-175 (7)	324 (-NA- / 1000mlAmber), 325 (-NA- / 1000mlAmber), 326 (HCl / 40mlGlassVial), 327 (HCl / 40mlGlassVial), 328 (HCl / 40mlGlassVial), 329 (HCl / 40mlGlassVial) (6)	HW02	S: 1/25/2012 12:58	
HW02z	Drinking Water/ Mike Ferrier	L/G	DRO (7), GRO (7), RSK-175 (7)	359 (-NA- / 1000mlAmber), 360 (-NA- / 1000mlAmber), 361 (HCl / 40mlGlassVial), 362 (HCl / 40mlGlassVial) 363 (HCl / 40mlGlassVial), 364 (HCl / 40mlGlassVial) (6)	HW02z	S: 1/25/2012 12:59	
HW08a	Drinking Water/ Bryan Berna	L/G	DRO (7), GRO (7), RSK-175 (7)	289 (-NA- / 1000mlAmber), 290 (-NA- / 1000mlAmber) 291 (HCl / 40mlGlassVial), 292 (HCl / 40mlGlassVial) 293 (HCl / 40mlGlassVial) 294 (HCl / 40mlGlassVial) (6)	HW08a	S: 1/25/2012 11:46	

00023

Shipment for Case Complete?N:	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [signature] for Mike Ferrier, Bryan Berna	Cooler Temperature Upon Receipt: 2°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low M = Low/Medium H = High	Type/Designate: Composite = C Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

DRO = 11-Diesel Range Organics, GRO = 11-Gasoline Range Organics RSK-175 = 11-Dissolved Gases_Meth Ethe,Etha

TR Number: 3-043013577-012712-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer CSC: 15000 Conference Center Dr., Chantilly, VA 20151-3819 Phone 703/818-4200 Fax 703/818-4602

EPA 51.04 Page 1 of 1

DIM0276390

DIM0276413

USEPA CLP Generic COC (LAB COPY)
DateShipped: 1/28/2012
CarrierName: FedEx
AirbillNo: 7931 6771 1039

CHAIN OF CUSTODY RECORD
Site #: A3TA
Case Complete: False

No: 3-012812-143039-0019
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Included on work order 120133

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB05	Aqueous/ Joel Munson	Grab	DRO(7), GRO(7), GRO(7), RSK-175(7), RSK-175(7), DRO(7)	709 (-NA- / 1000mlAmber) 710 (HCl / 40mlGlassVial) 711 (HCl / 40mlGlassVial) 713 (HCl / 40mlGlassVial) 714 (HCl / 40mlGlassVial) 739 (-NA- / 1000mlAmber) (6)	FB05	01/27/2012 09:40	
HW01	Drinking Water/ Bryan Berna	Grab	DRO(7), DRO(7), GRO(7), GRO(7)	918 (-NA- / 1000mlAmber), 919 (-NA- / 1000mlAmber) 920 (-NA- / 40mlGlassVial) 921 (-NA- / 40mlGlassVial) (4)	HW01	01/25/2012 16:31	
HW08a	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7)	934 (-NA- / 40mlGlassVial) 935 (-NA- / 40mlGlassVial) (2)	HW08a	01/25/2012 11:46	
HW24-P	Drinking Water/ Mike Ferrier	Grab	DRO(7), GRO(7), GRO(7), RSK-175(7), RSK-175(7), DRO(7)	805 (-NA- / 1000mlAmber), 806 (HCl / 40mlGlassVial), 807 (HCl / 40mlGlassVial), 809 (HCl / 40mlGlassVial), 810 (HCl / 40mlGlassVial), 835 (-NA- / 1000mlAmber) (6)	HW24	01/27/2012 13:18	
TB02	Aqueous/ Scout Dellamia	Grab	RSK-175(7), RSK-175(7)	926 (HCl / 40mlGlassVial), 927 (HCl / 40mlGlassVial) (2)	TB02	01/27/2012 08:07	
TB03	Aqueous/ Dan Buckley	Grab	RSK-175(7), RSK-175(7)	932 (HCl / 40mlGlassVial), 933 (HCl / 40mlGlassVial) (2)	TB03	01/25/2012 08:00	

Special Instructions: Cooler # 2, 3°C
Custody Seals OK

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DRO=11-Diesel Range Organics, GRO=11-Gasoline Range Organics, RSK-175=11-Dissolved Gases_Meth,Ethe,Etha

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22	[illegible]	1/28/12	Fed Ex								
			[illegible]	1/30/12							

00024

000134

2/9/12

SAMPLE PREPARATION

PREPARATION BENCH SHEET

B2A0066

EPA Region 9 Laboratory

rinted: 1/27/2012 12:41:32PM

Project: R12S30 - Whittier Narrows Winter FY12 Waste

Matrix: Water **Analysis:TPH - Purgeable** **Prepared using: Extractables - 5030 P&T TPH-G** **Surrogate used: 2A24003**

Lab Number	SampleName	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Prepared By	Extraction Comments
1201030-01 H	EPAMW4-28-WATER	01/27/12 12:39	5	5				5	YNB	
1201031-01 C	FB01	01/27/12 12:39	5	5				5	YNB	
1201031-02 C	FB02	01/27/12 12:39	5	5				5	YNB	
1201031-03 D	HW04	01/27/12 12:39	5	5				5	YNB	
1201031-04 D	HW19	01/27/12 12:39	5	5				5	YNB	
1201031-05 C	HW19-P	01/27/12 12:39	5	5				5	YNB	
B2A0066-BLK1	Blank	01/27/12 12:39	5	5				5	YNB	
B2A0066-BS1	LCS	01/27/12 12:39	5	5	1J17001		2.5	5	YNB	

PH
<2

AG5975-D

00025

Reagents

Reagent #	Description

Preparation Reviewed By 1/30/12 Date

PREPARATION BENCH SHEET

B2A0072

EPA Region 9 Laboratory

rinted: 1/31/2012 7:30:51AM

Project: R33911 - Dimock Residential Groundwater

Matrix: Water **Analysis:TPH - Purgeable** **Prepared using: Extractables - 5030 P&T TPH-G** **Surrogate used: 2A24003**

Lab Number	SampleName	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Prepared By	Extraction Comments
1201033-01 E	FB03	01/30/12 11:21	5	5				1	YNB	
1201033-02 E	HW02	01/30/12 11:21	5	5				1	YNB	
1201033-03 F	HW02z	01/30/12 11:21	5	5				1	YNB	
1201033-04 E	HW08a	01/30/12 11:21	5	5				1	YNB	
1201034-01 C	FB04	01/30/12 11:21	5	5				1	YNB	
1201034-02 C	HW05	01/30/12 11:21	5	5				1	YNB	
1201034-03 D	HW06	01/30/12 11:21	5	5				1	YNB	
1201034-04 D	HW12	01/30/12 11:21	5	5				1	YNB	
1201034-05 D	HW14-P	01/30/12 11:21	5	5				1	YNB	
1201034-06 D	HW14	01/30/12 11:21	5	5				1	YNB	
1201034-09 C	FB05	01/30/12 11:21	5	5				1	YNB	
1201034-10 D	HW01	01/30/12 11:21	5	5				1	YNB	
1201034-11 D	HW24-P	01/30/12 11:21	5	5				1	YNB	
1201034-15 D	HW17	01/30/12 11:21	5	5				1	YNB	
1201034-16 C	HW24	01/30/12 11:21	5	5				1	YNB	
B2A0072-BLK1	Blank	01/30/12 11:21	5	5				1	YNB	
B2A0072-BS1	LCS	01/30/12 11:21	5	5	1J17001		2.5	1	YNB	
B2A0072-DUP1	Duplicate	01/30/12 11:21	5	5		1201033-01		1	YNB	
B2A0072-DUP2	Duplicate	01/30/12 11:21	5	5		1201034-01		1	YNB	

PH
<2
<2

AG5975-D

SLL 1/31/12

Preparation Reviewed By Date

Instrument: A65975D

Analysis Date: 01.24.12

INITIAL CALIBRATION DATA

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\012412\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	012412GD001.D	1	2010034-IBL1	2A24003, IB	24 Jan 2012 10:58 am
2	012412GD002.D	1	2010034-IBL2	2A24003, IB	24 Jan 2012 11:27 am
3	012412GD003.D	1	2010034-RT1	2A10002 RET TIME WINDOW	24 Jan 2012 11:56 am
4	012412GD004.D	1	2010034-IBL3	2A24003, IB	24 Jan 2012 12:24 pm
5	012412GD005.D	1	2010034-CAL1	50ug/L, 1J17001, WATER	24 Jan 2012 12:53 pm
6	012412GD006.D	1	2010034-CAL2	100ug/L, 1J17001, WATER	24 Jan 2012 1:21 pm
7	012412GD007.D	1	2010034-CAL3	500ug/L, 1J17001, WATER	24 Jan 2012 1:49 pm
8	012412GD008.D	1	2010034-CAL4	1000ug/L, 1J17001, WATER	24 Jan 2012 2:17 pm
9	012412GD009.D	1	2010034-CAL5	2000ug/L, 1J17001, WATER	24 Jan 2012 2:46 pm
10	012412GD010.D	1	BLANK	BLANK, WATER	24 Jan 2012 3:15 pm
11	012412GD011.D	1	2010034-SCV1	500ug/L, 2A10001, WATER	24 Jan 2012 3:43 pm
12	012412GD012.D	1	2010034-ICB1	NAPHTHA, 2A10005, WATER	24 Jan 2012 4:12 pm
13	012412GD013.D	1	2010034-ICB2	TURPENTINE, 2A10006, WATER	24 Jan 2012 4:40 pm
14	012412GD014.D	1	2010034-ICB3	UN.SPIRITS, 2A10007, WATER	24 Jan 2012 5:08 pm
15	012412GD015.D	1	2010034-ICB4	LASQUER, 2A10009, WATER	24 Jan 2012 5:37 pm
16	012412GD016.D	1	2010034-ICB5	STODDART, 2A10011, WATER	24 Jan 2012 6:05 pm
17	012412GD017.D	1	2010034-ICB6	DIESEL, 2A10012, WATER	24 Jan 2012 6:33 pm
18	012412GD018.D	1	BLANK	BLANK, WATER	24 Jan 2012 7:01 pm

00038

JT
2/3/12

There is No

Page #s 00019
00020

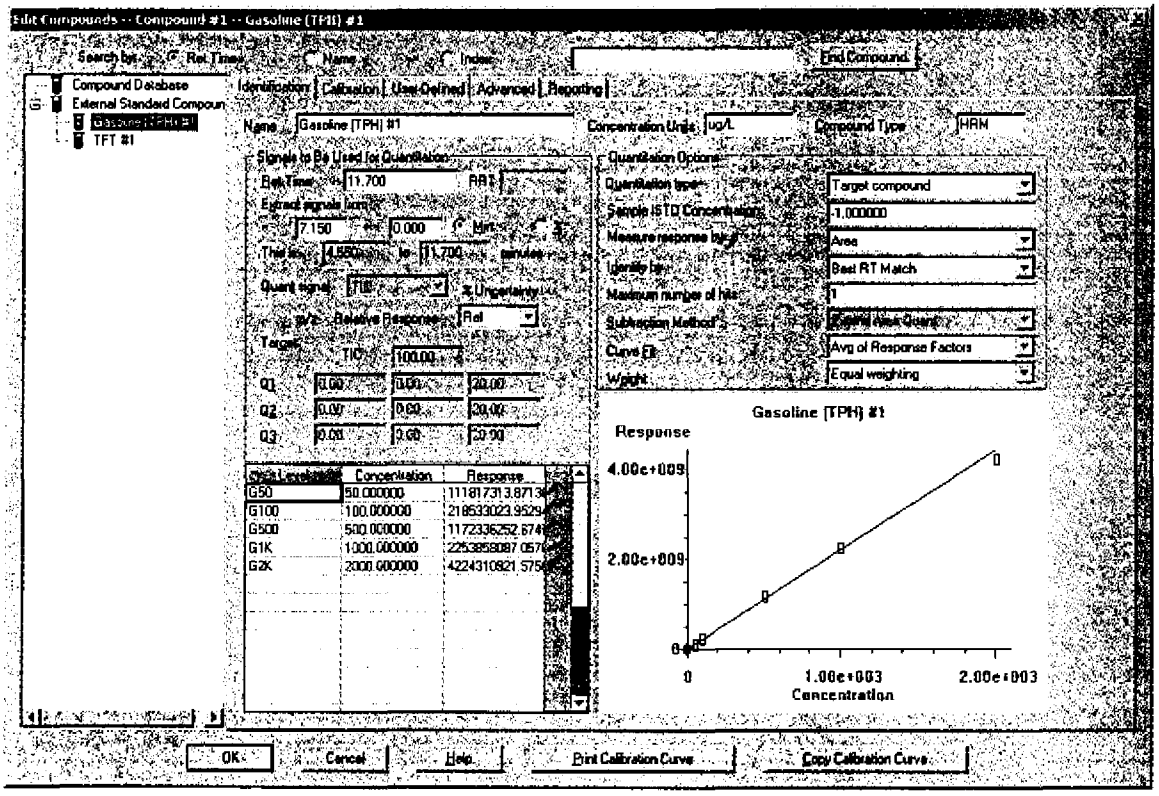
Response Factor Report GC-FID-PID

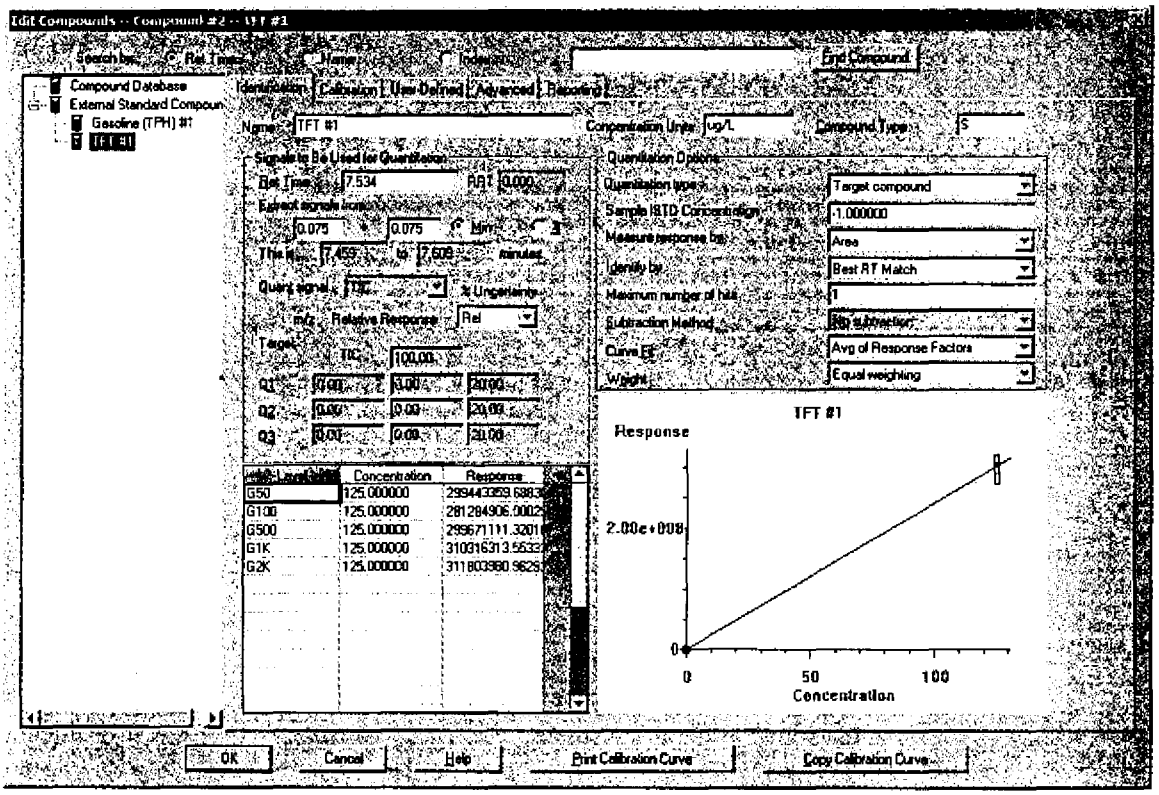
Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

Calibration Files
G50 =012412GD005.D G100 =012412GD006.D G500 =012412GD007.D
G1K =012412GD008.D G2K =012412GD009.D

	Compound	G50	G100	G500	G1K	G2K	Avg		%RSD
1)	HRM Gasoline (TPH) #1	2.236	2.185	2.345	2.254	2.112	2.226	E6	3.86
2)	S TFT #1	2.396	2.250	2.397	2.483	2.494	2.404	E6	4.06

(#) = Out of Range


Edit Compounds - Compound #1 - Gasoline (TPH) #1
Search by
Rel.Time
Name
Index
End Compound
Compound Database
External Standard Compoun
Gasoline (TPH) #1
TFT #1
Identification
Calibration
User-Defined
Advanced
Reporting
Name
Gasoline (TPH) #1
Concentration Unit
ug/L
Compound Type
HRM
Signals to Be Used for Quantitation
Quantitation Options
Target compound
Area
Best RT Match
Avg of Response Factors
Equal weighting
Gasoline (TPH) #1
Response
4.00e+009
2.00e+009
0
1.00e+003
2.00e+003
Concentration
Concentration
Response
G50
50.000000
G100
100.000000
G500
500.000000
G1K
1000.000000
G2K
2000.000000
OK
Cancel
Help
Print Calibration Curve
Copy Calibration Curve


Edit Compounds -- Compound #2 -- TFT #1
Search by
Rel. Time
Name
Number
Find Compound
Compound Database
External Standard Compoun
Gasoline (TPH) #1
TFT #1
Identification
Calibration
User Defined
Advanced
Results
Name: TFT #1
Concentration Units: ug/L
Compound Type: S
Signals to Be Used for Quantitation
Rel. Time: 7.534
RRT: 0.000
Extract signals from:
0.075
0.075
Min
The Min: 7.459
to 7.609
minutes
Quant signal: TIC
% Uncertainty
m/z
Relative Response
Rel
Target
TIC
100.00
Q1
0.00
0.00
20.00
Q2
0.00
0.00
20.00
Q3
0.00
0.00
20.00
Concentration
Response
G50
125.000000
G100
125.000000
G500
125.000000
G1K
125.000000
G2K
125.000000
Quantitation Options
Quantitation type:
Target compound
Sample ISTD Concentration:
1.000000
Measure response by:
Area
Identify by:
Best RT Match
Maximum number of hits:
1
Subtraction Method:
No subtraction
Curve Fit:
Avg of Response Factors
Weight:
Equal weighting
TFT #1
Response
2.00e+008
0
0
50
100
Concentration
OK
Cancel
Help
Print Calibration Curve
Copy Calibration Curve

Compound List Report GC-FID-PID

Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH_GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

Total Cpnds : 2

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	HRM	Gasoline (TPH) #1	11.700	1.000	A	A	R
2	S	TFT #1	7.534	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

012412TPH_GAS.M Wed Jan 25 10:57:26 2012

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 10:58 am
Operator : YNB
Sample : 2010034-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:34 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.523	308613824	128.373 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.70%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	842790	0.379 ug/L

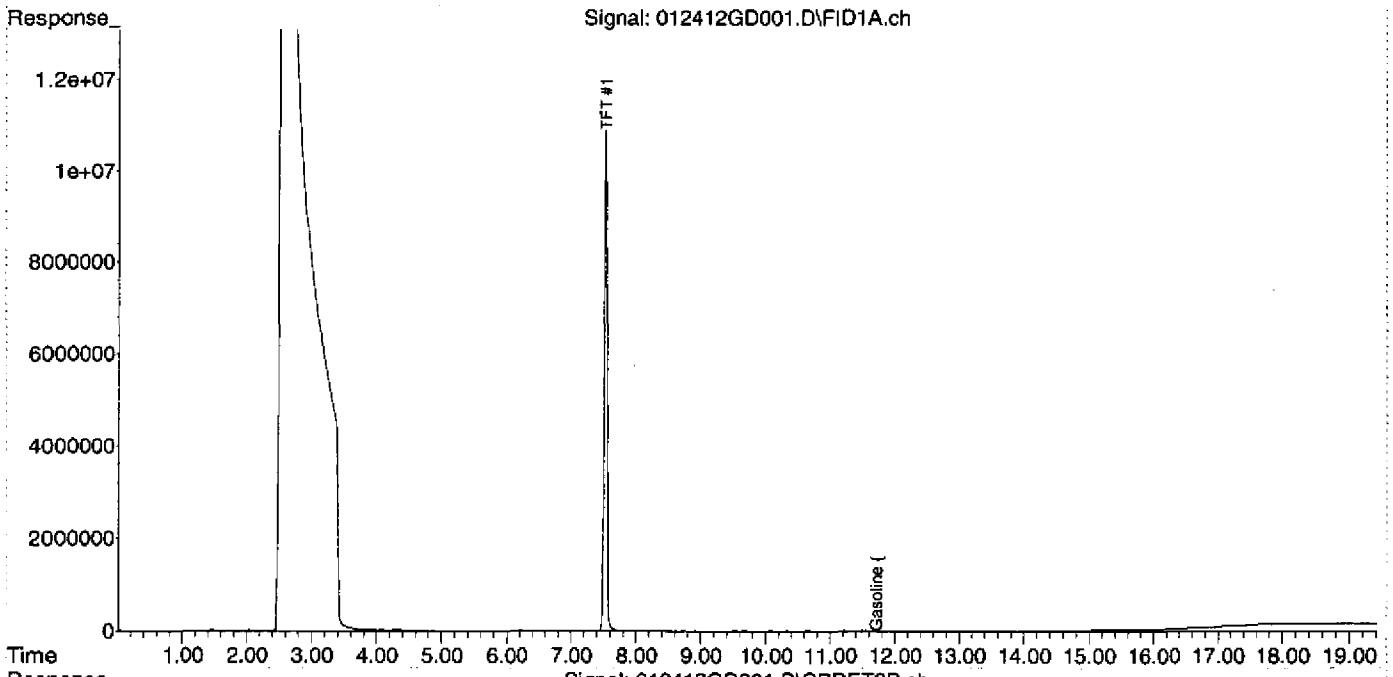
(f)=RT Delta > 1/2 Window (m)=manual int.

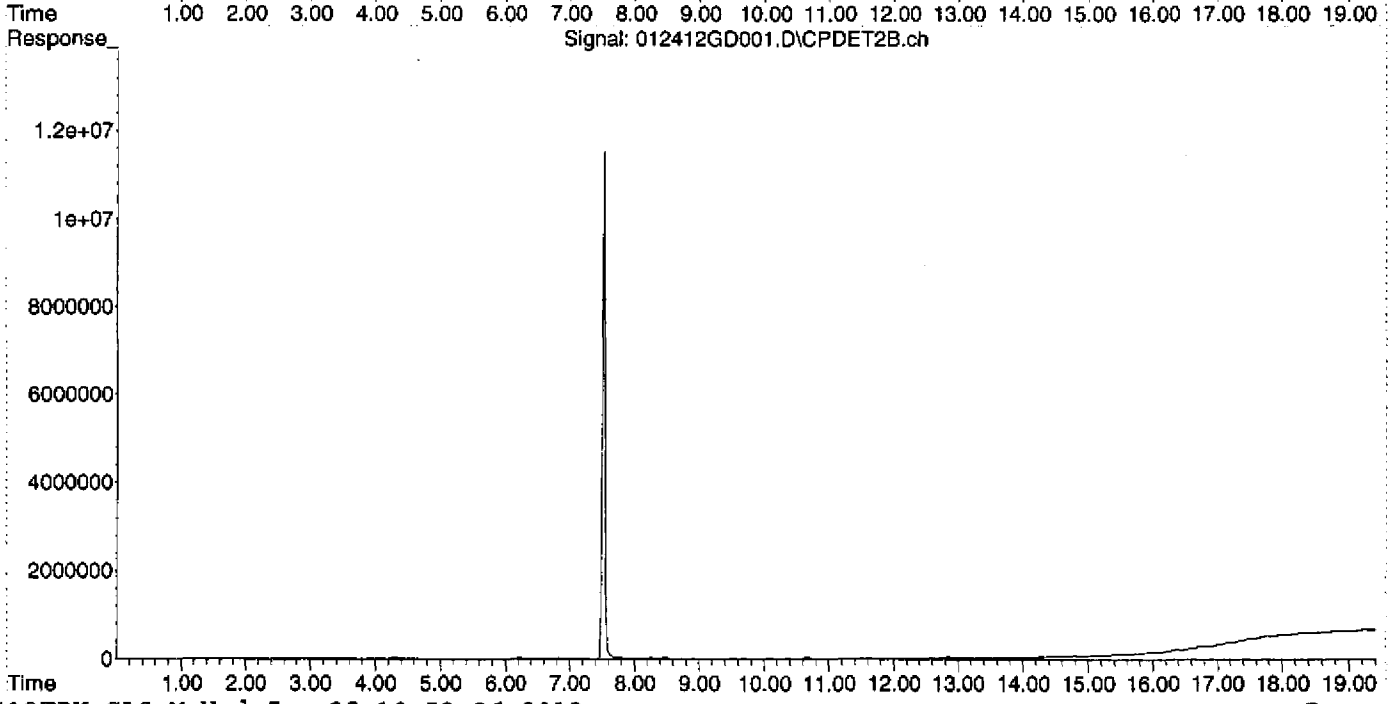
Quantitation Report (Not Reviewed)

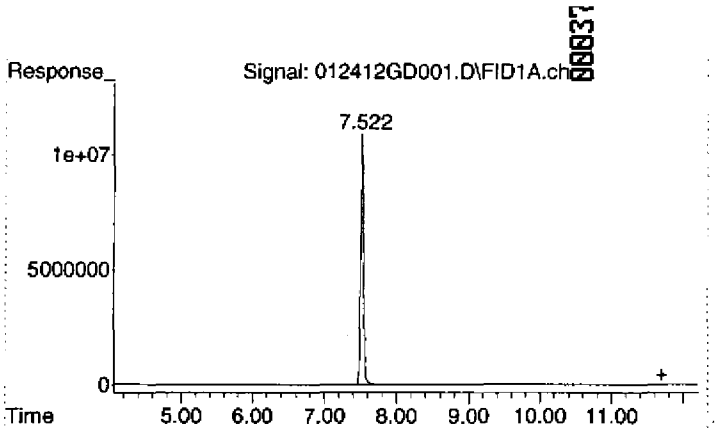
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 10:58 am
Operator : YNB
Sample : 2010034-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:34 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

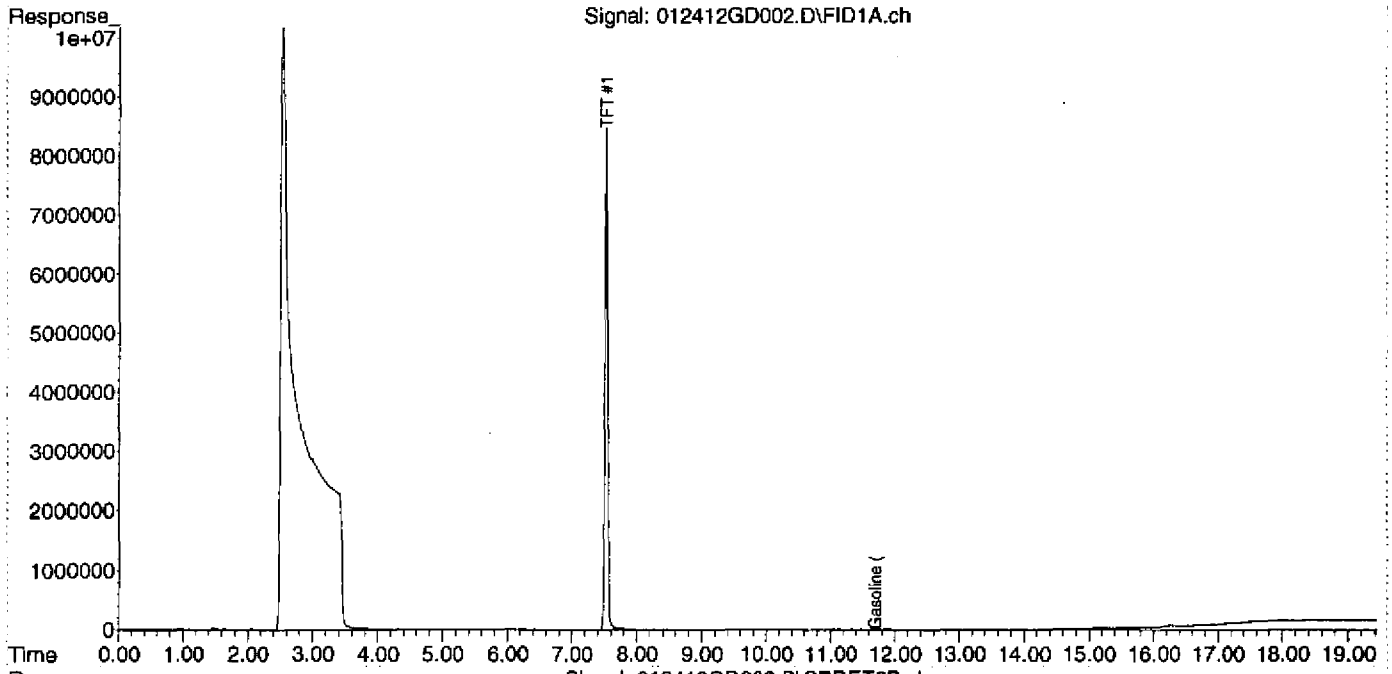
R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	842790
Conc:	0.38 ug/L

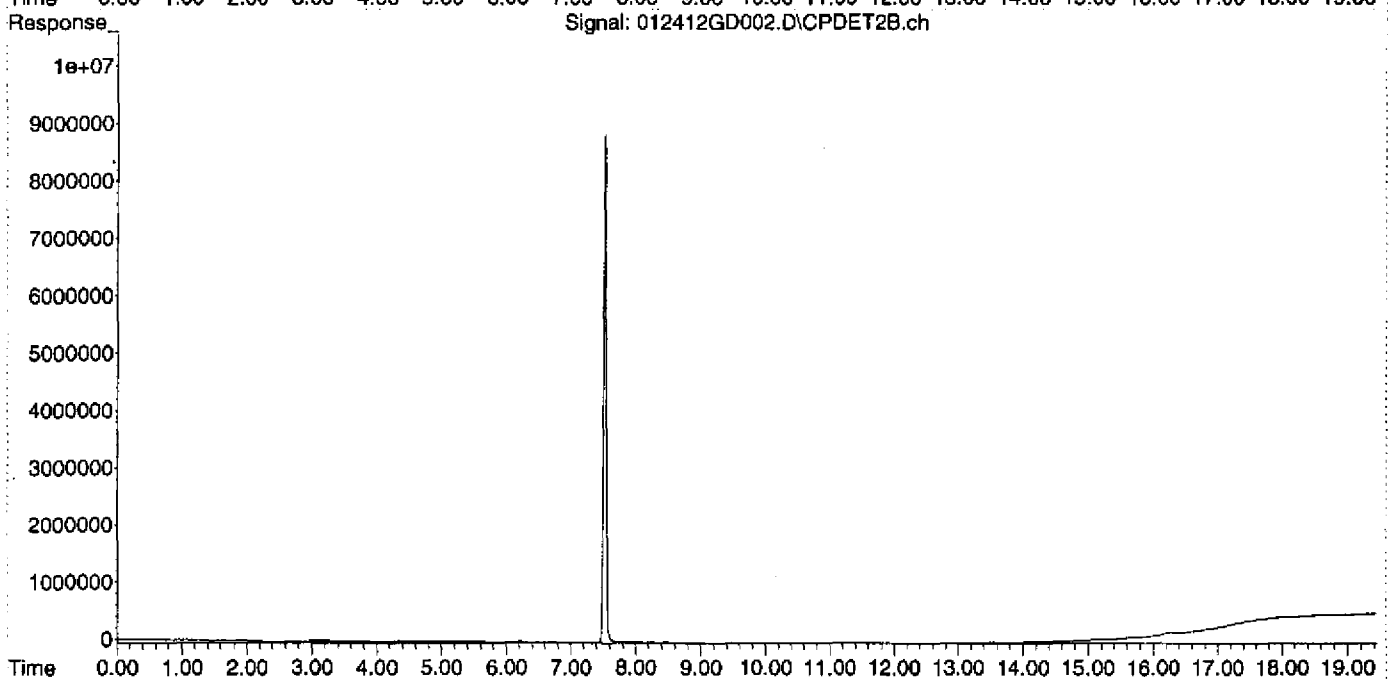
Quantitation Report (Not Reviewed)

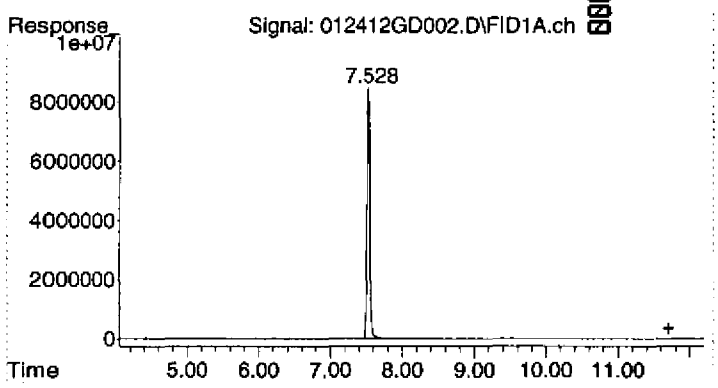
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:27 am
Operator : YNB
Sample : 2010034-IBL2
Misc : 2A24003, IB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:38 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	450194
Conc:	0.20 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:27 am
Operator : YNB
Sample : 2010034-IBL2
Misc : 2A24003, IB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:38 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.529	240306666	99.960 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery =	79.97%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	450194	0.202 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

JT
2/3/12

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:45:27 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	288002508	119.800 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery =	95.84%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	3354126923	1506.476 ug/L

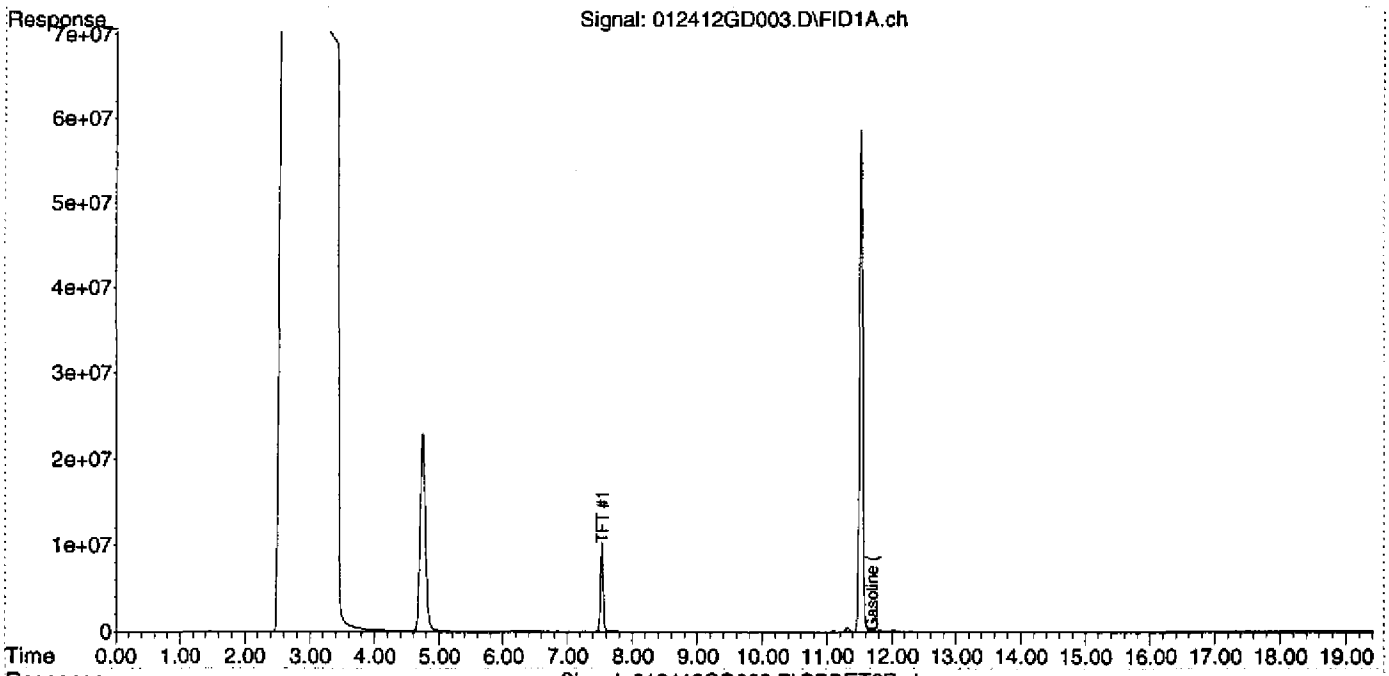
(f)=RT Delta > 1/2 Window (m)=manual int.

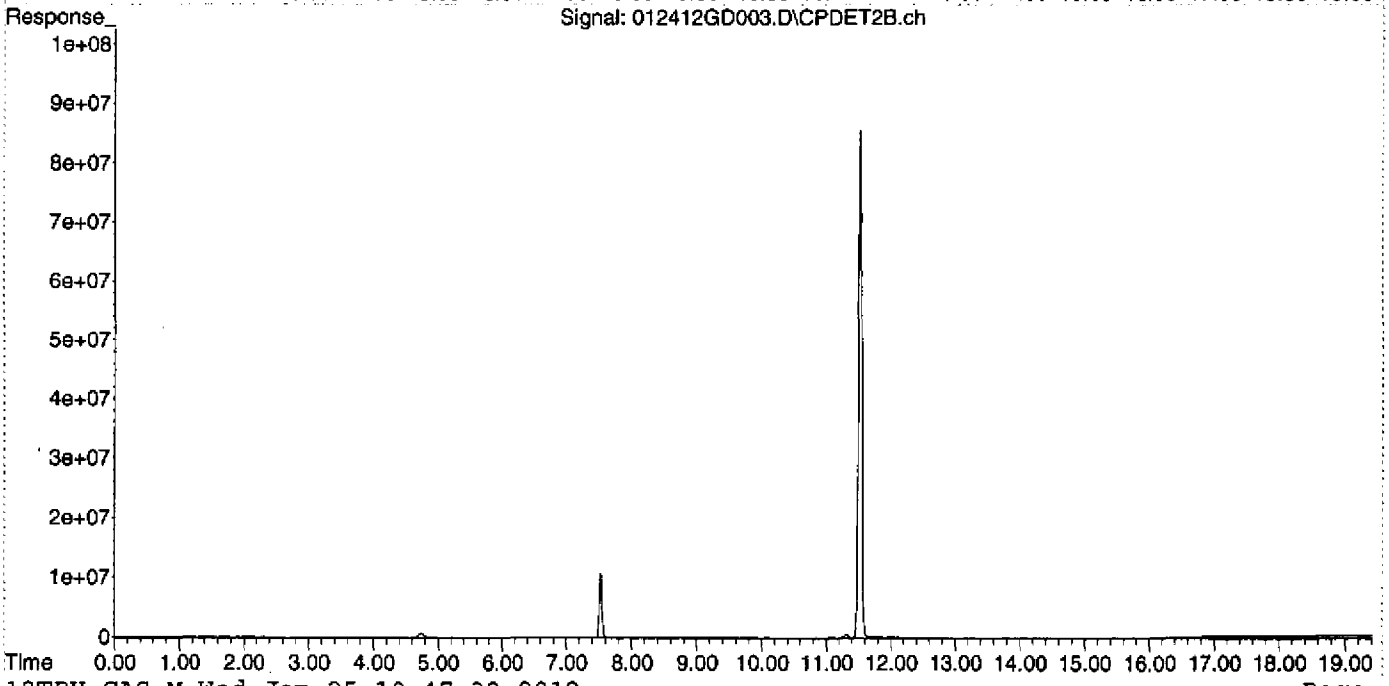
Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:45:27 2012
Response via : Initial Calibration
Integrator: ChemStation

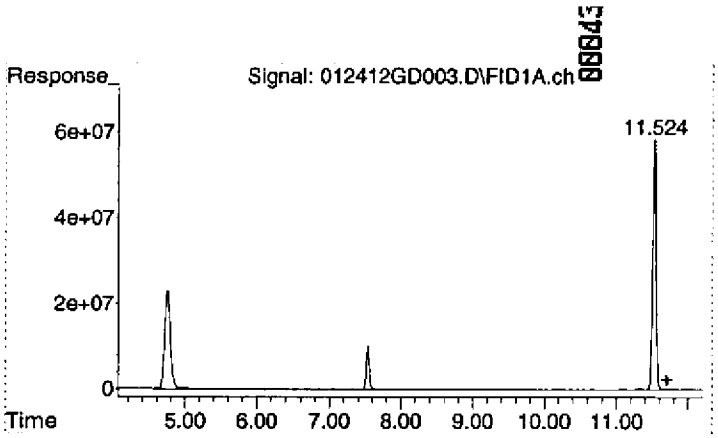
Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID





2/3/12

: 00031A



#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 3354126923
Conc: 1506.48 ug/L

012412GD003.D 012412TPH_GAS.M Wed Jan 25 10:47:32 2012

2/3/12

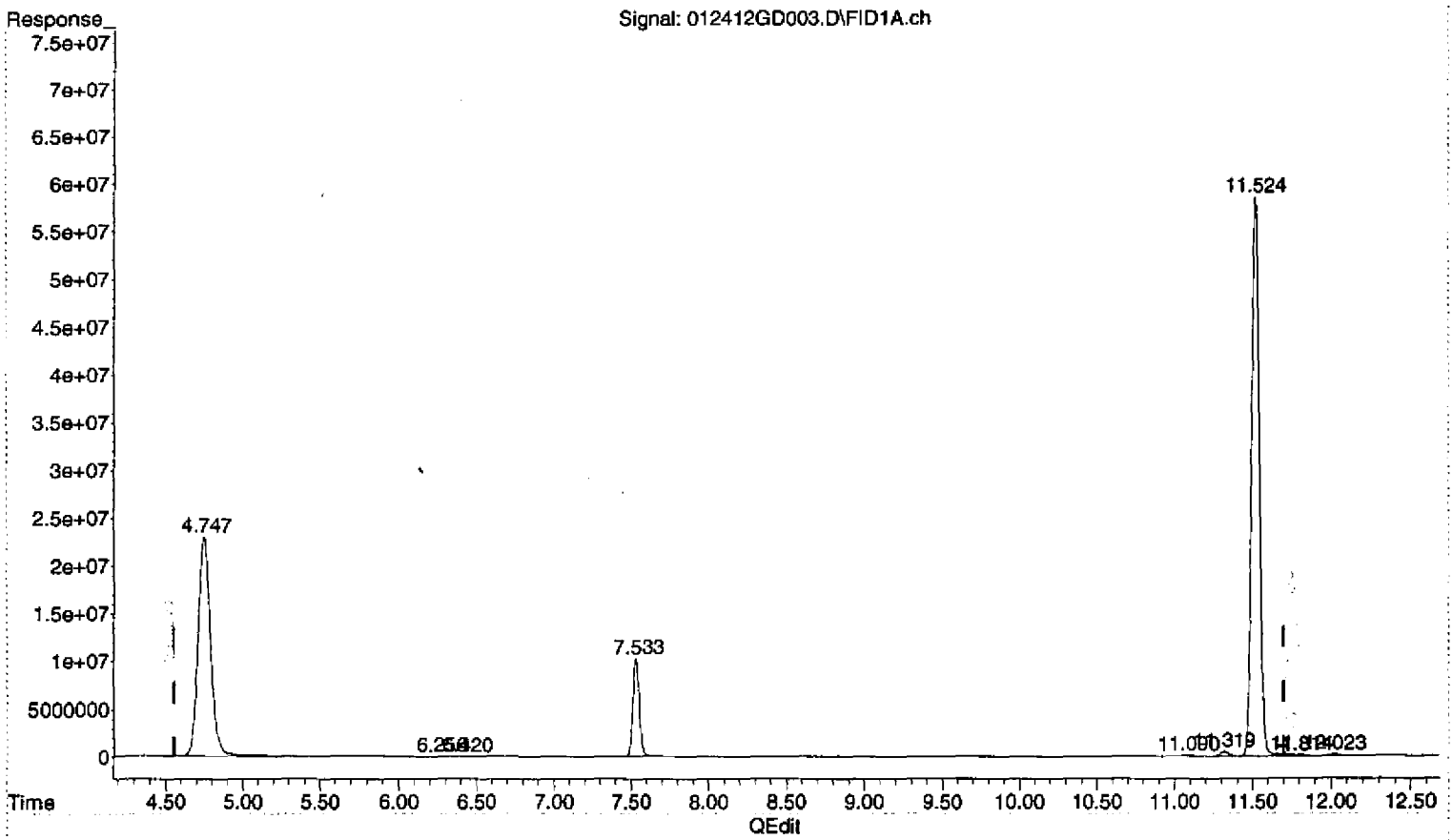
: 00031 B

Quantitation Report (Qedit)

Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:45:27 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID



(1) Gasoline (TPH) #1 (HRM)

11.700min 1506.476 ug/L

response 3354126923

(+) = Expected Retention Time
012412TPH_GAS.M Wed Jan 25 13:45:40 2012

2/3/12

Page: 1

: 00031C

DIM0276390

DIM0276434

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:24 pm
Operator : YNB
Sample : 2010034-IBL3
Misc : 2A24003, IB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:43 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	297346628	123.687 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 98.95%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	14246639	6.399 ug/L

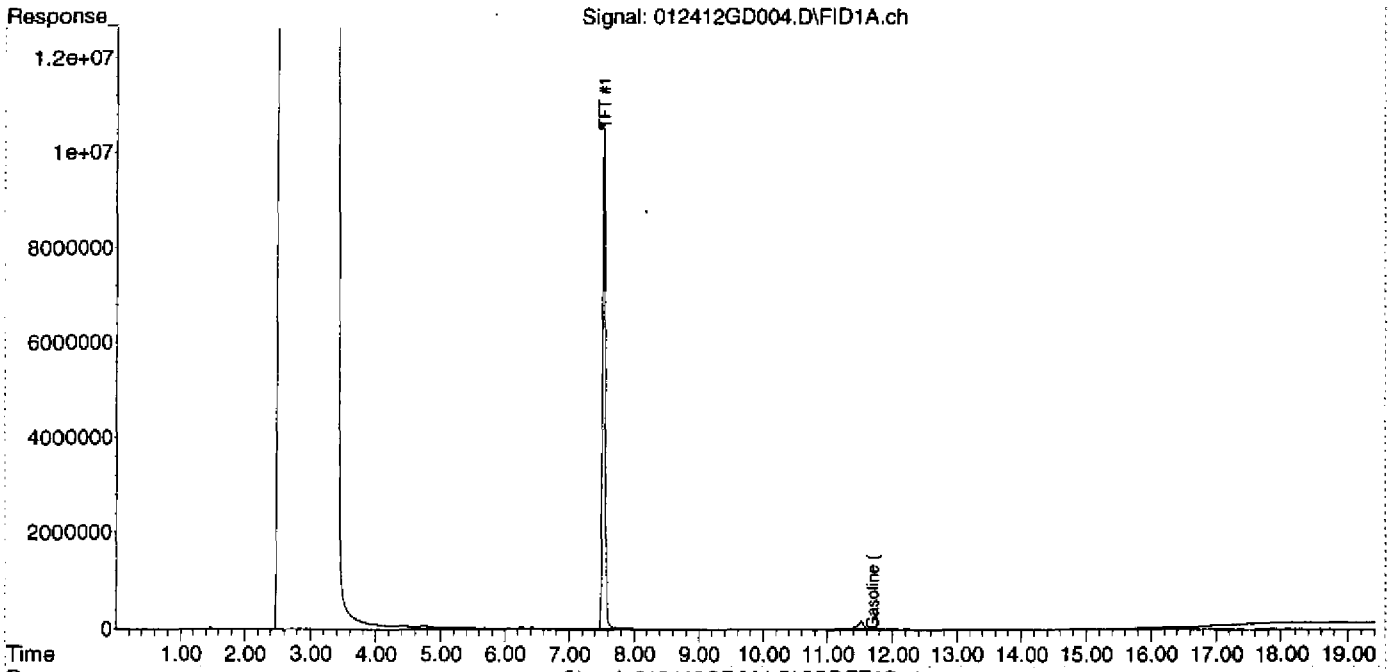
(f)=RT Delta > 1/2 Window (m)=manual int.

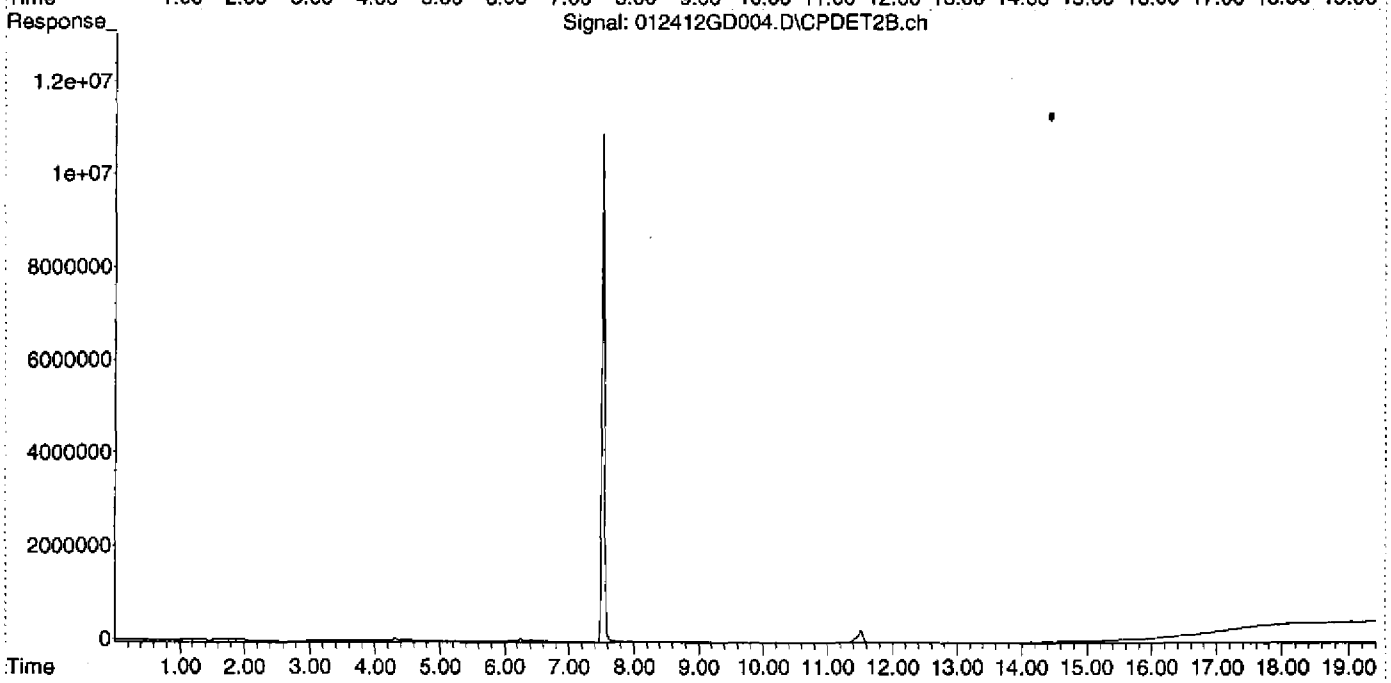
Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:24 pm
Operator : YNB
Sample : 2010034-IBL3
Misc : 2A24003, IB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:43 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID





2/3/12

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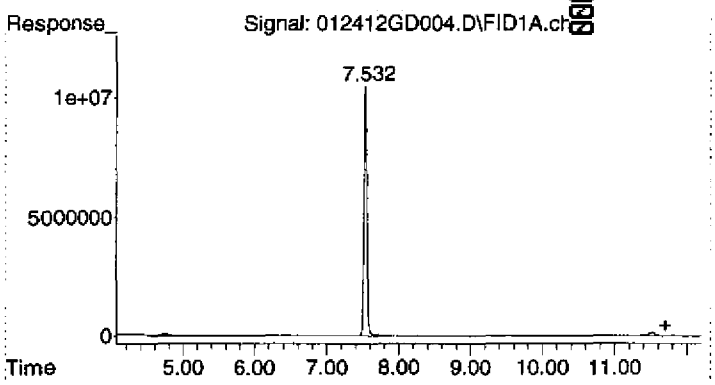


#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	14246639
Conc:	6.40 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:53 pm
Operator : YNB
Sample : 2010034-CAL1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:41 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:45:27 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	299443360	124.559 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.65%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	111817314	50.222 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

2/3/12
JT

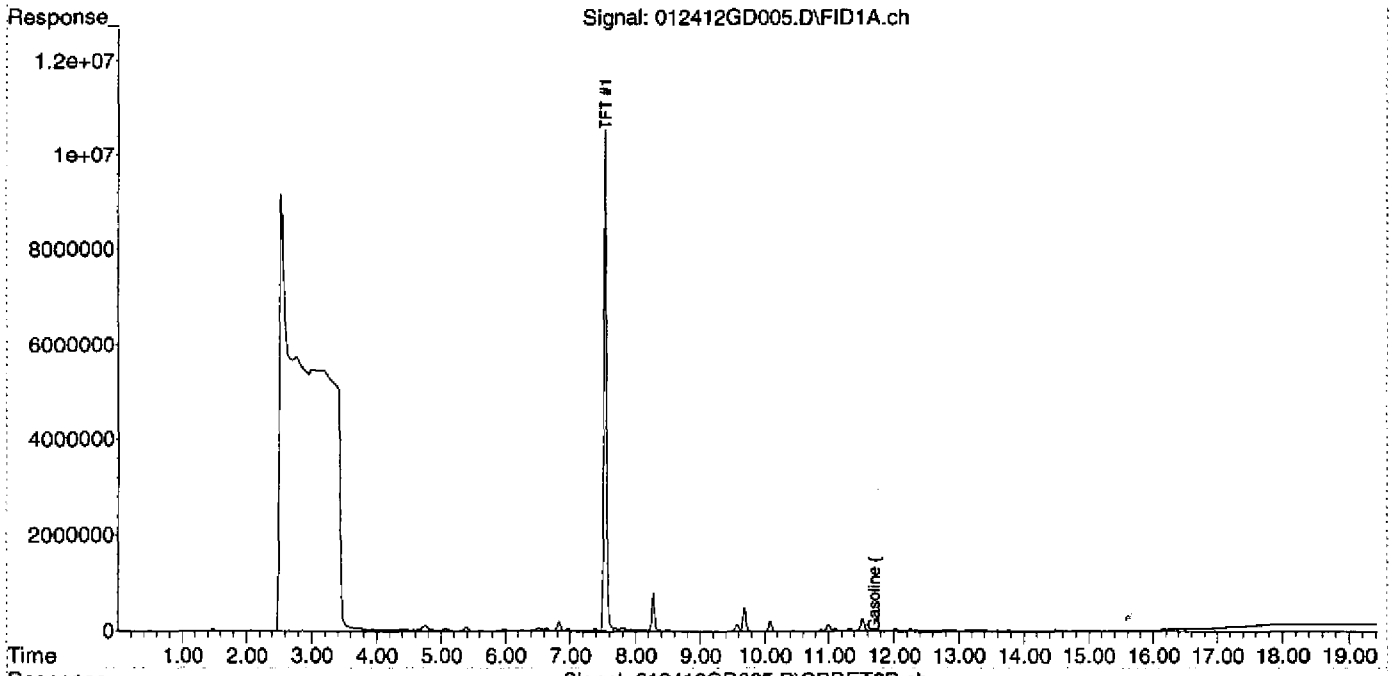
00033A

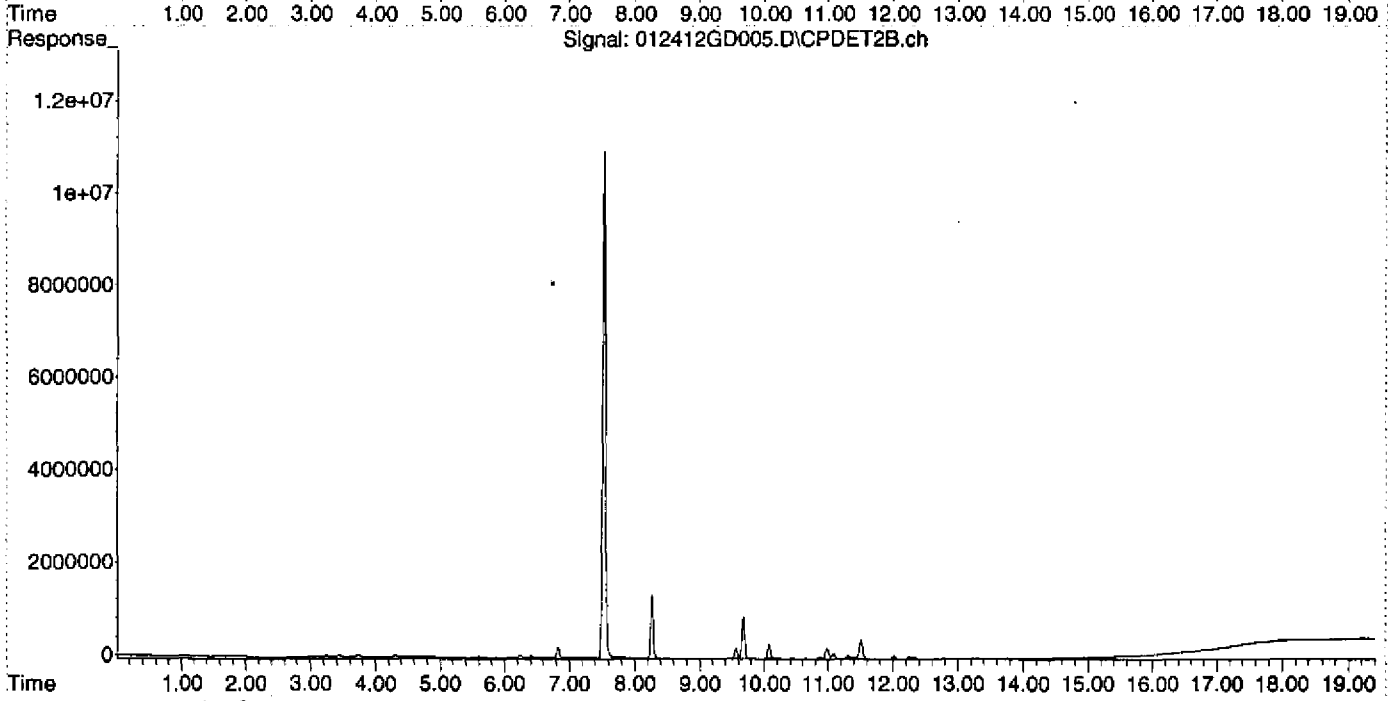
Quantitation Report (Not Reviewed)

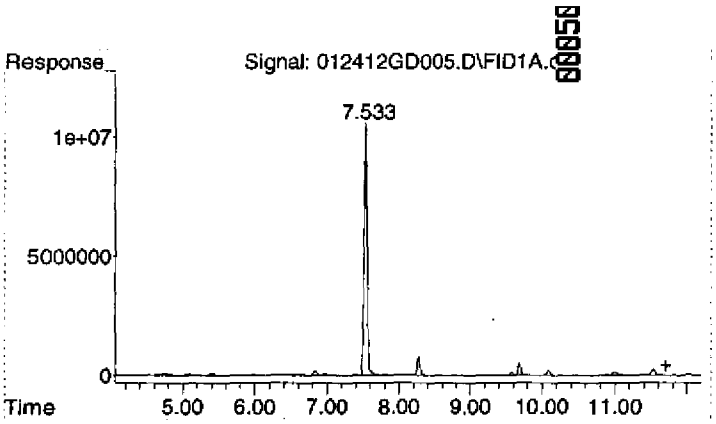
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:53 pm
Operator : YNB
Sample : 2010034-CAL1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:41 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:45:27 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 111817314
Conc: 50.22 ug/L

DIM0276440

DIM0276390

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:21 pm
Operator : YNB
Sample : 2010034-CAL2
Misc : 100ug/L, 1J17001, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:58 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:47:49 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	281284906	117.006 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery =	93.60%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	218533024	98.152 ug/L

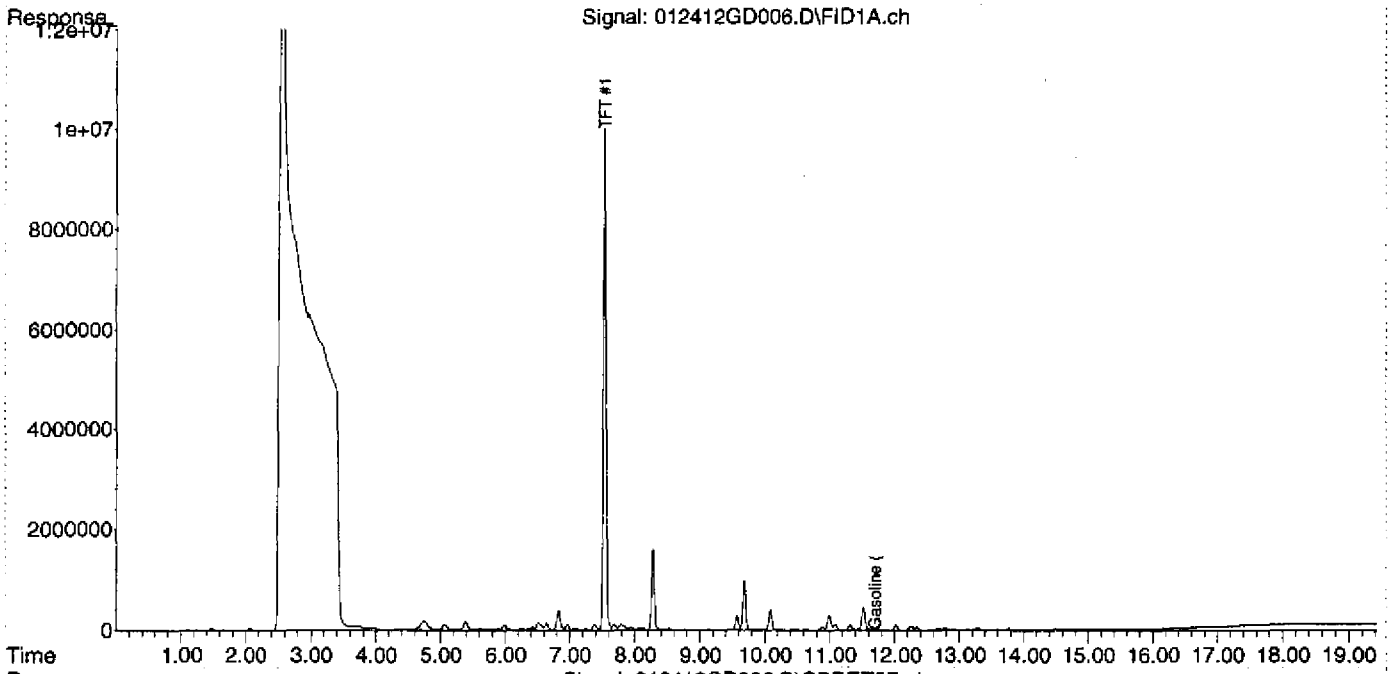
(f)=RT Delta > 1/2 Window (m)=manual int.

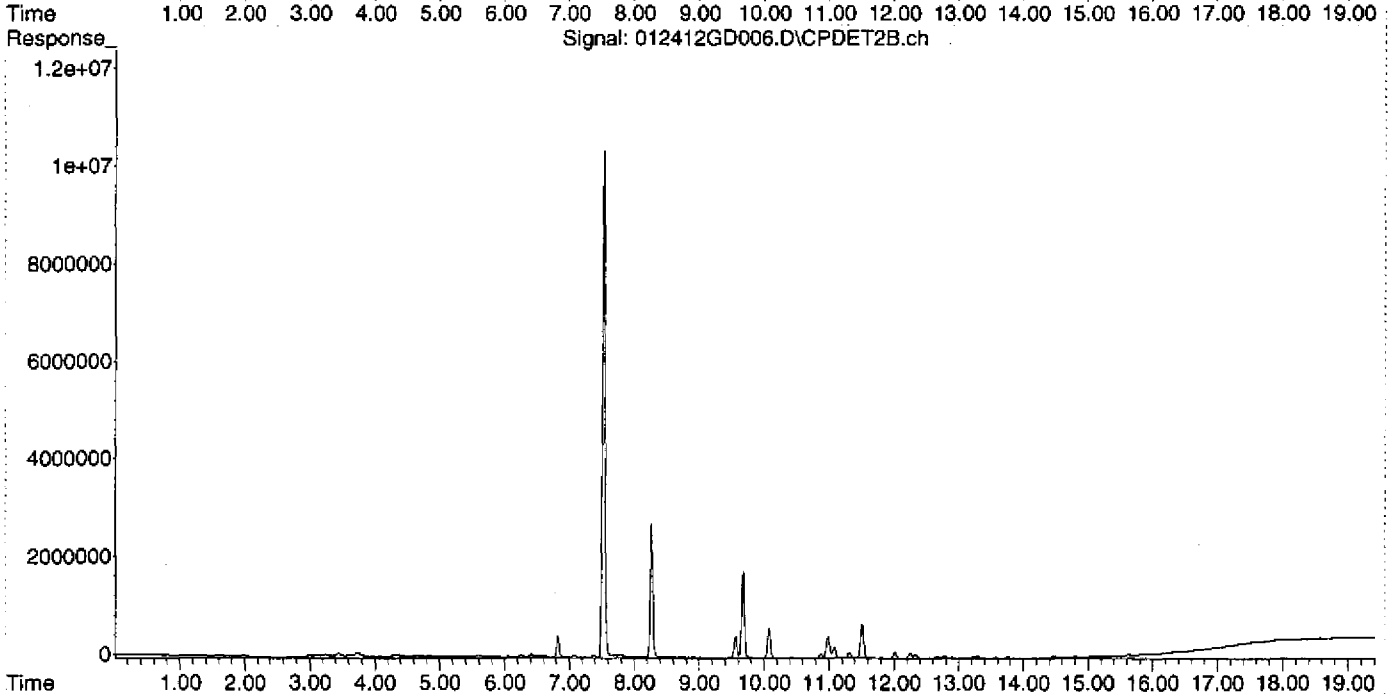
Quantitation Report (Not Reviewed)

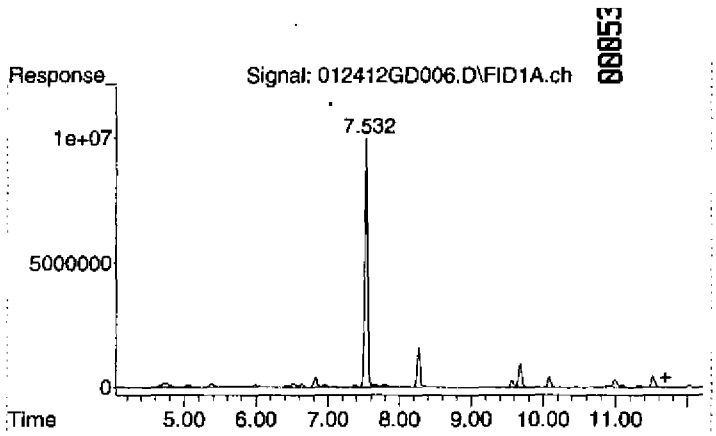
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:21 pm
Operator : YNB
Sample : 2010034-CAL2
Misc : 100ug/L, 1J17001, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:47:58 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:47:49 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 218533024
Conc: 98.15 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:49 pm
Operator : YNB
Sample : 2010034-CAL3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:07 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	299671111	124.654 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.72%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1172336253	526.544 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

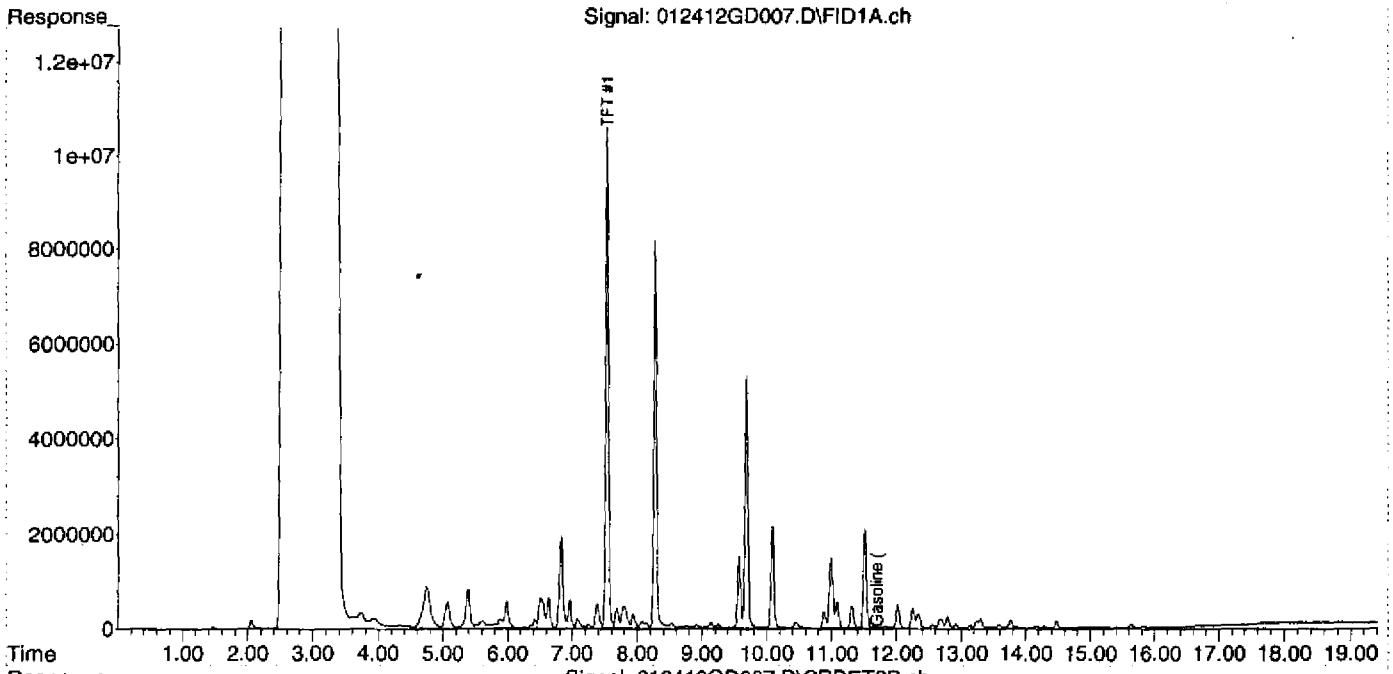
DIM0276390 DIM0276444

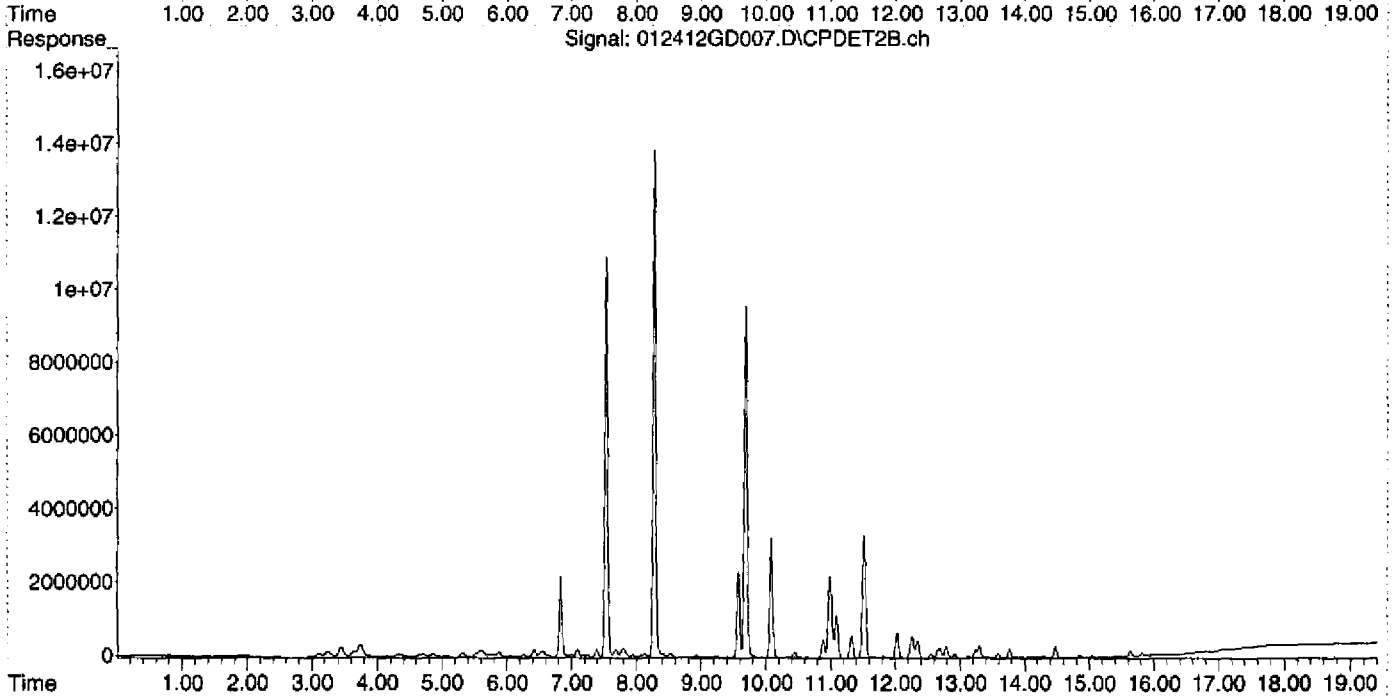
Quantitation Report (Not Reviewed)

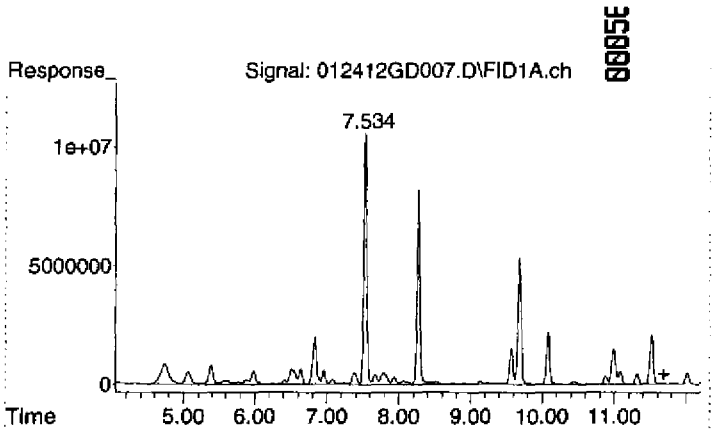
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:49 pm
Operator : YNB
Sample : 2010034-CAL3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:07 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1172336253
Conc: 526.54 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:17 pm
Operator : YNB
Sample : 2010034-CAL4
Misc : 1000ug/L, 1J17001, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:36 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:28 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	310316314	129.082 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.27%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2253858087	1012.300 ug/L

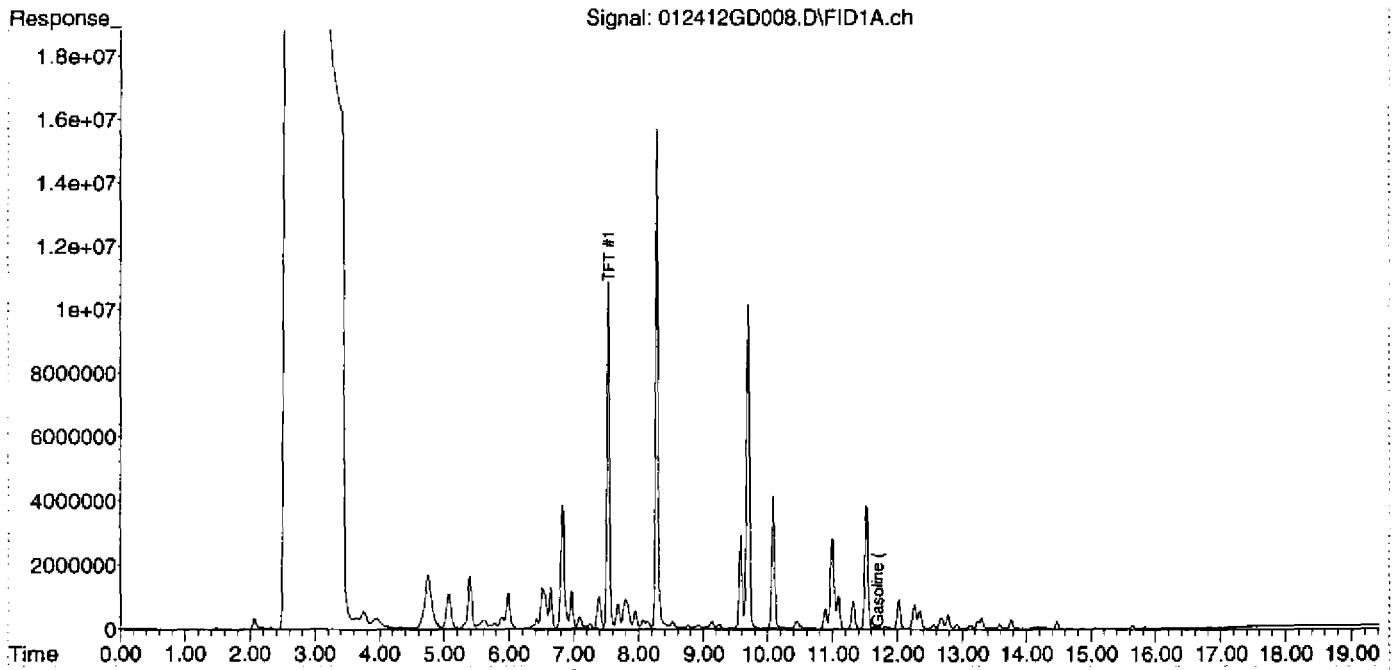
(f)=RT Delta > 1/2 Window (m)=manual int.

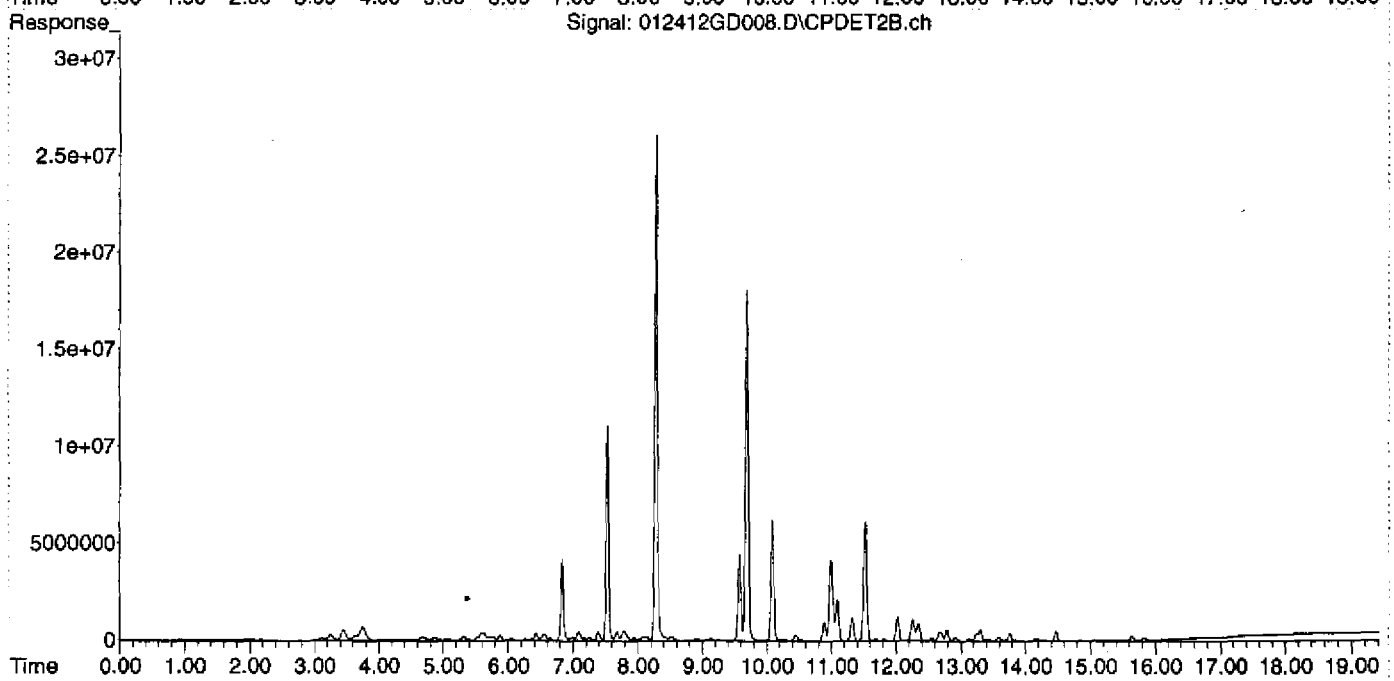
Quantitation Report (Not Reviewed)

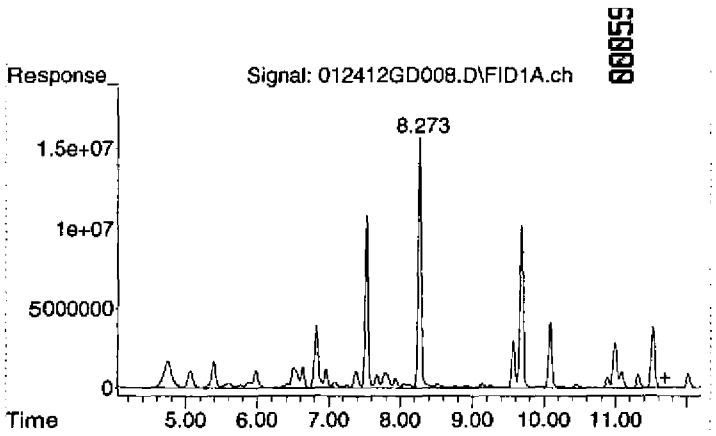
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:17 pm
Operator : YNB
Sample : 2010034-CAL4
Misc : 1000ug/L, 1J17001, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:36 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:28 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 2253858087
Conc: 1012.30 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:46 pm
Operator : YNB
Sample : 2010034-CAL5
Misc : 2000ug/L, 1J17001, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:53 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:45 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	311803981	129.700 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.76%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	4224310922	1897.311 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

00045

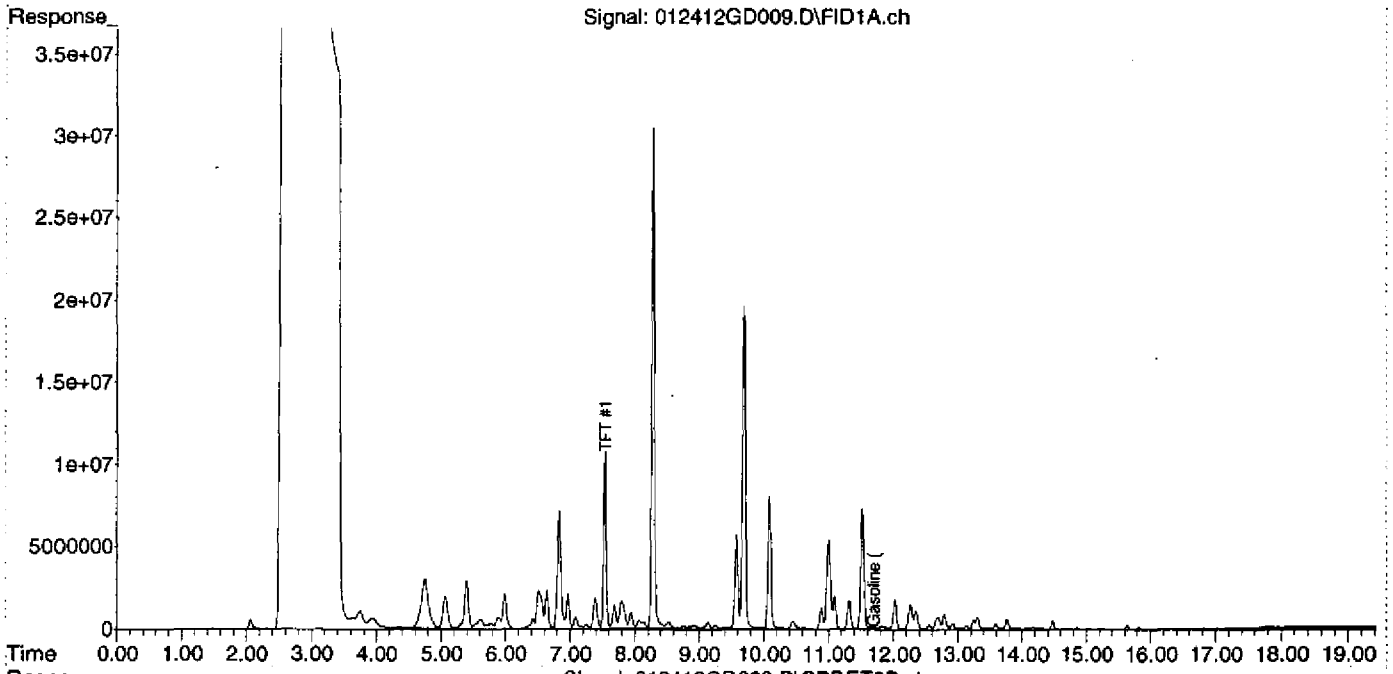
DIM0276390 DIM0276450

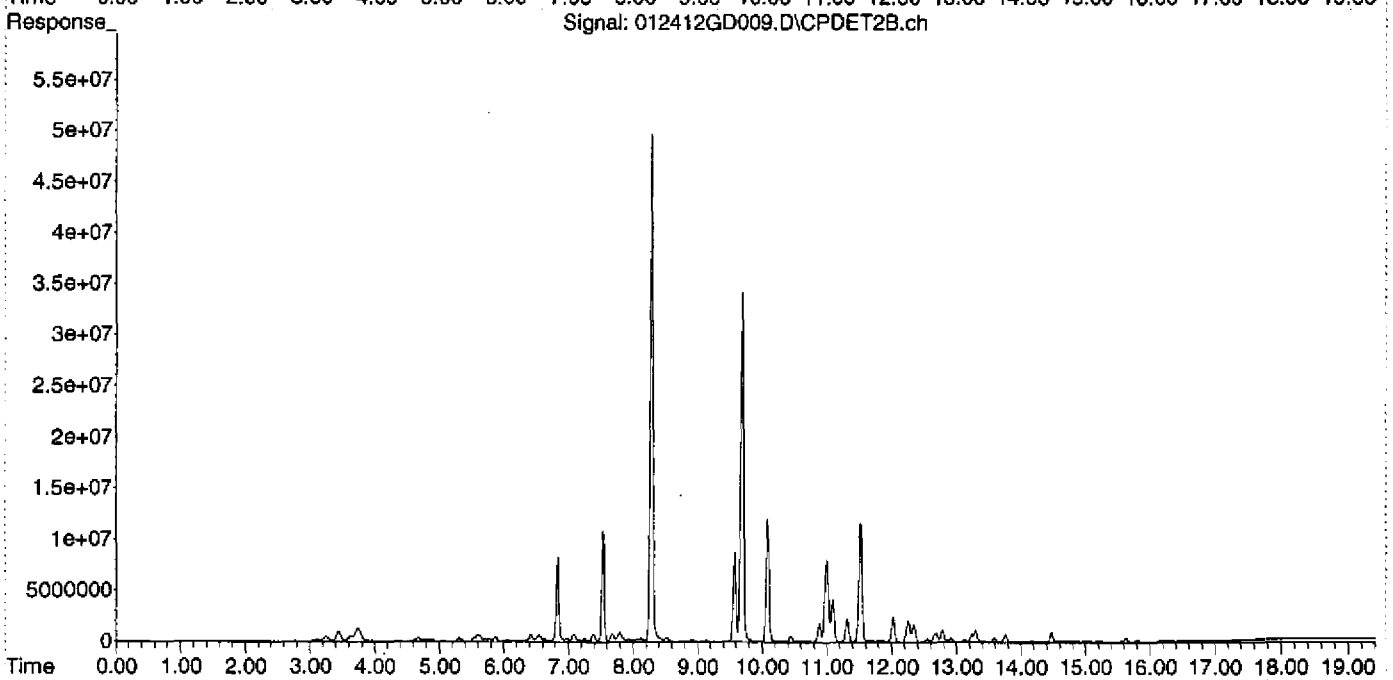
Quantitation Report (Not Reviewed)

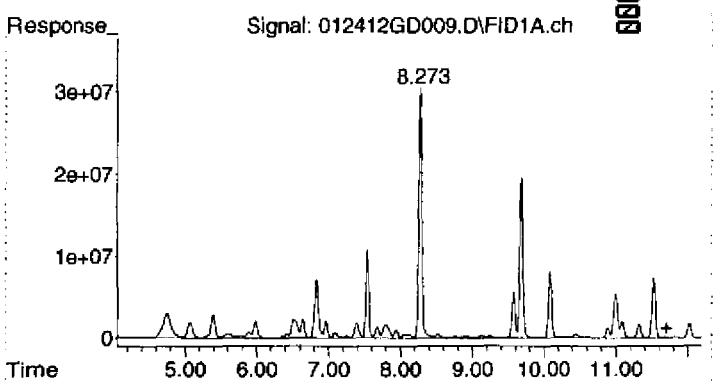
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:46 pm
Operator : YNB
Sample : 2010034-CAL5
Misc : 2000ug/L, 1J17001, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:48:53 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:48:45 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 4224310922
Conc: 1897.31 ug/L

DIM0276390 DIM0276452

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:15 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:47 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	284524955	118.353 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 94.68%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	7452979	3.347 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

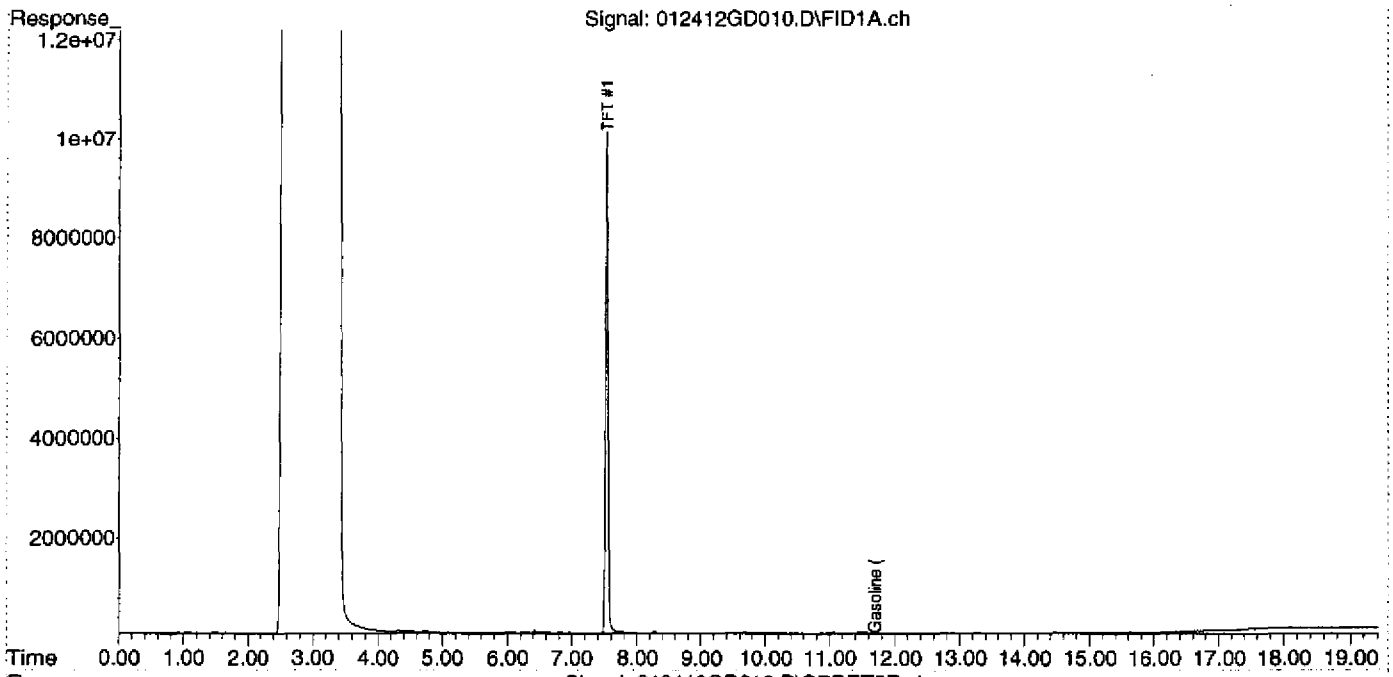
DIM0276390 DIM0276453

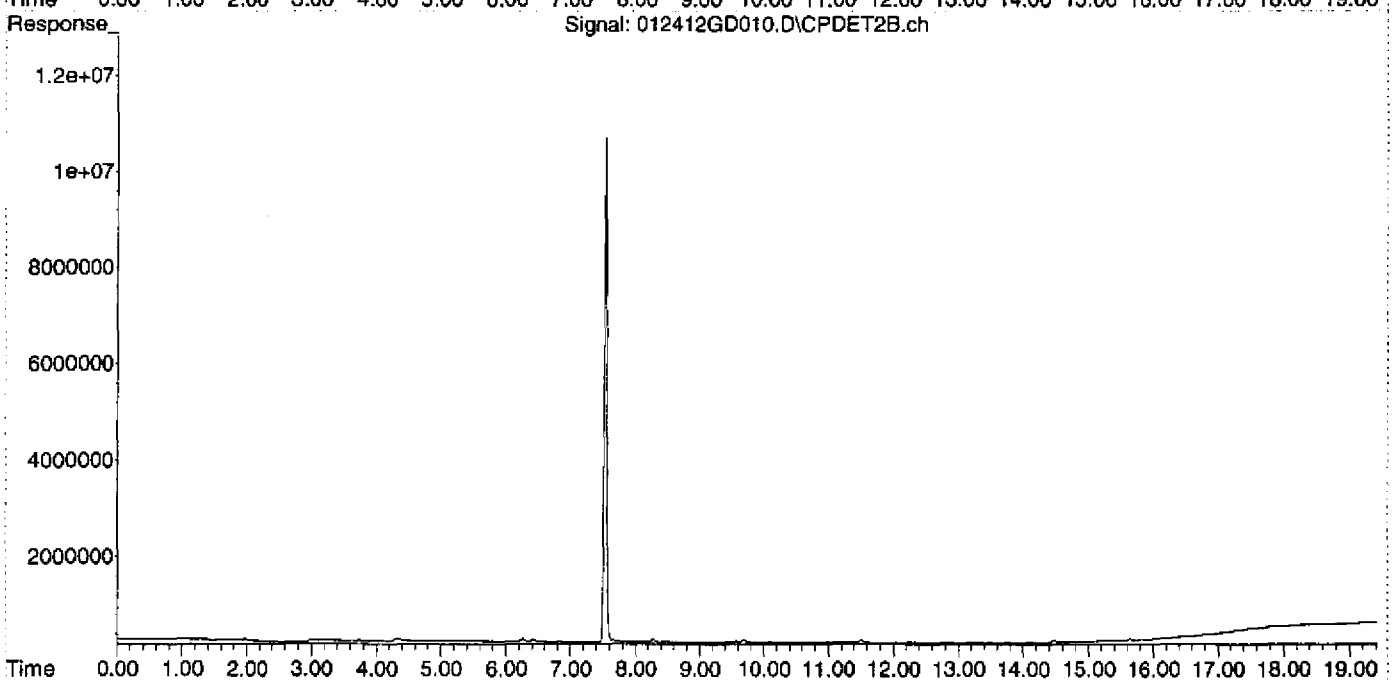
Quantitation Report (Not Reviewed)

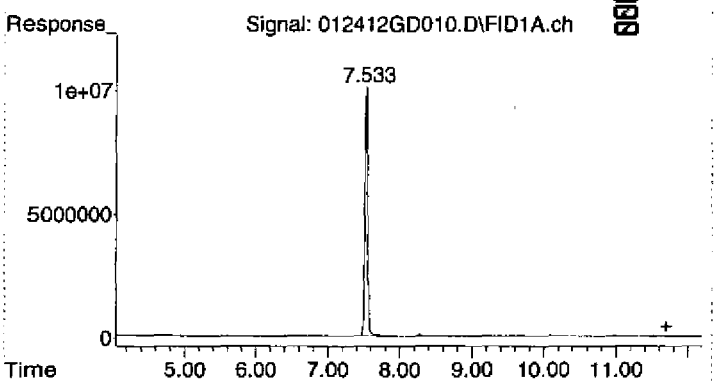
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:15 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:47 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	7452979
Conc:	3.35 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:43 pm
Operator : YNB
Sample : 2010034-SCV1
Misc : 500ug/L, 2A10001, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:52 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	300843342	125.141 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.11%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1247745231	560.413 ug/L

112%
70-130 limit
YNB
01.25.12

(f)=RT Delta > 1/2 Window (m)=manual int.

$$\frac{300843342}{2404000} = 125.143$$

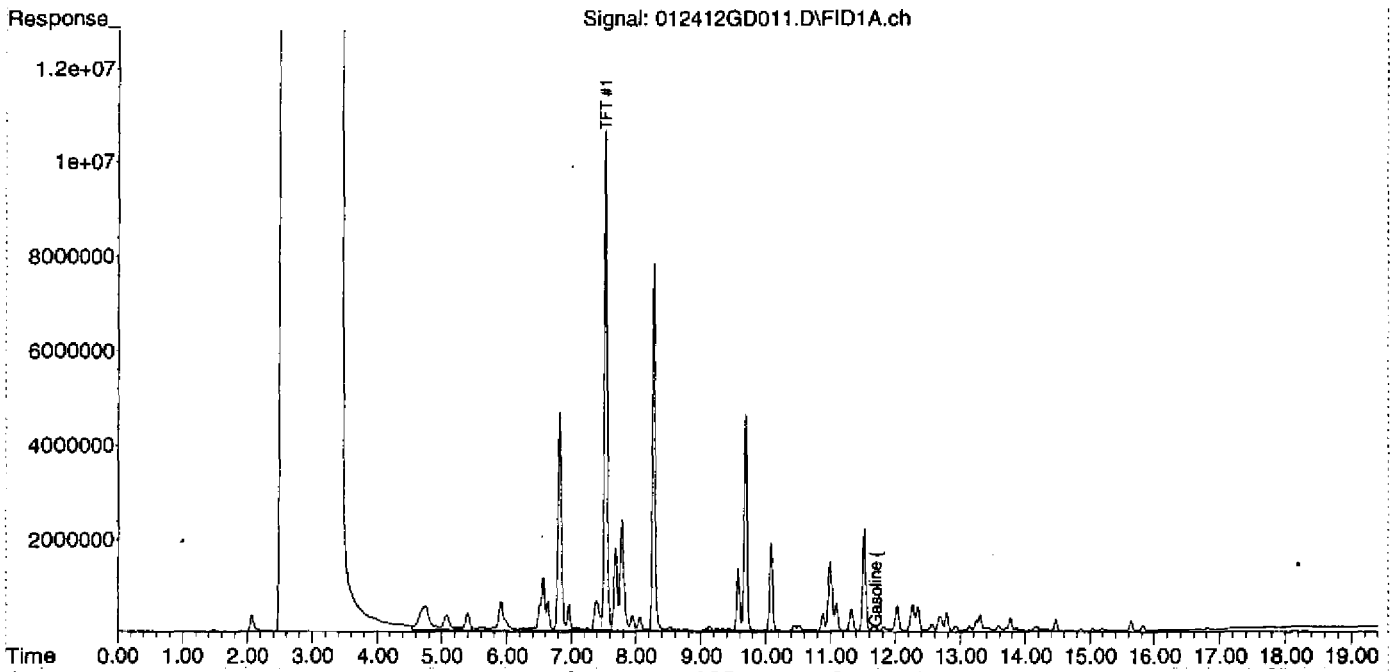
100.1%
YNB
01.25.12

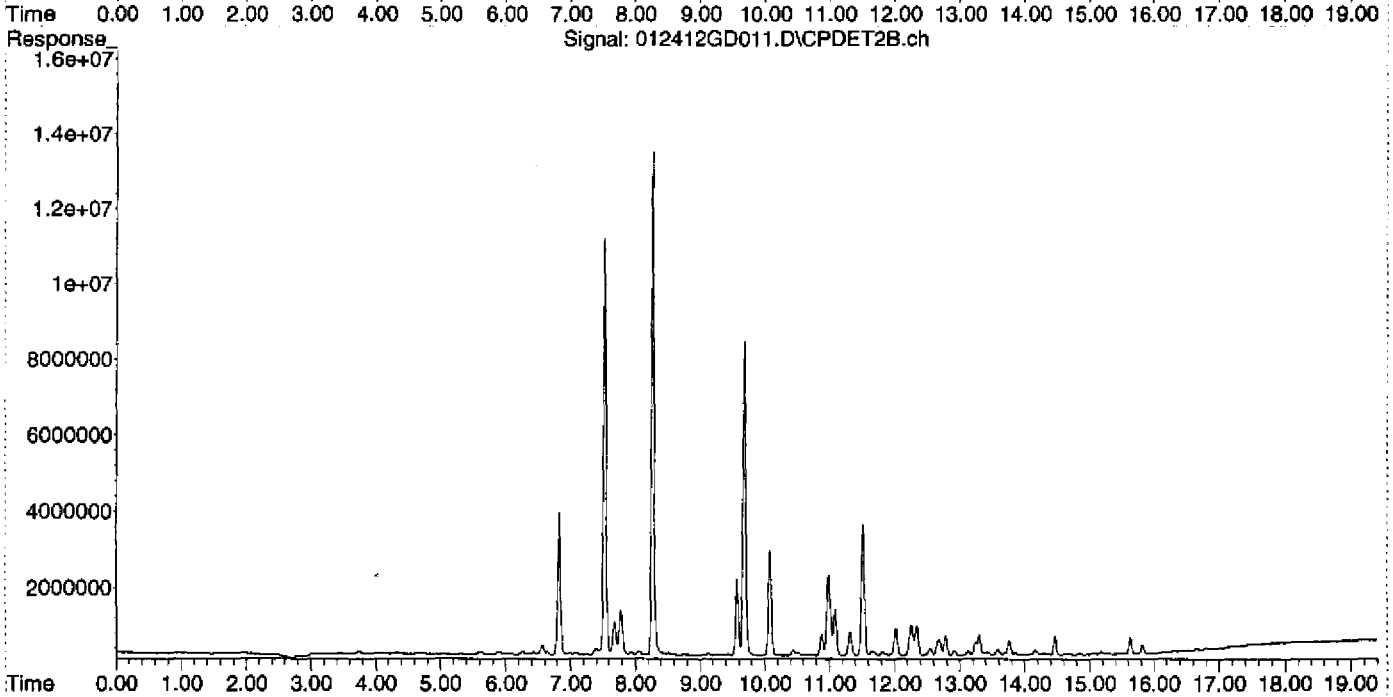
Quantitation Report (Not Reviewed)

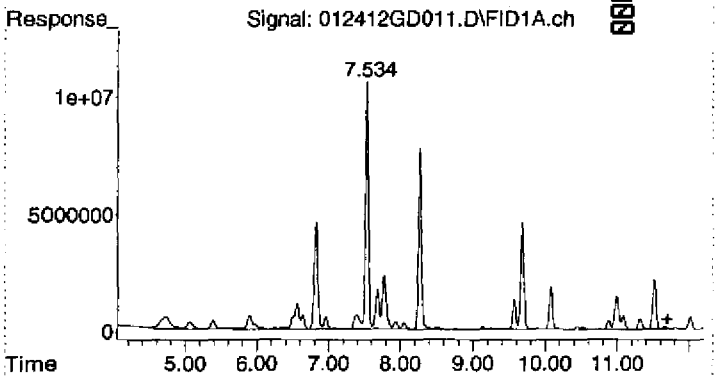
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:43 pm
Operator : YNB
Sample : 2010034-SCV1
Misc : 500ug/L, 2A10001, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:52 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1247745231
Conc: 560.41 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:12 pm
Operator : YNB
Sample : 2010034-ICB1
Misc : NAPHTHA, 2A10005, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:57 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	311267294	129.477 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 103.58%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1077272029	483.847 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

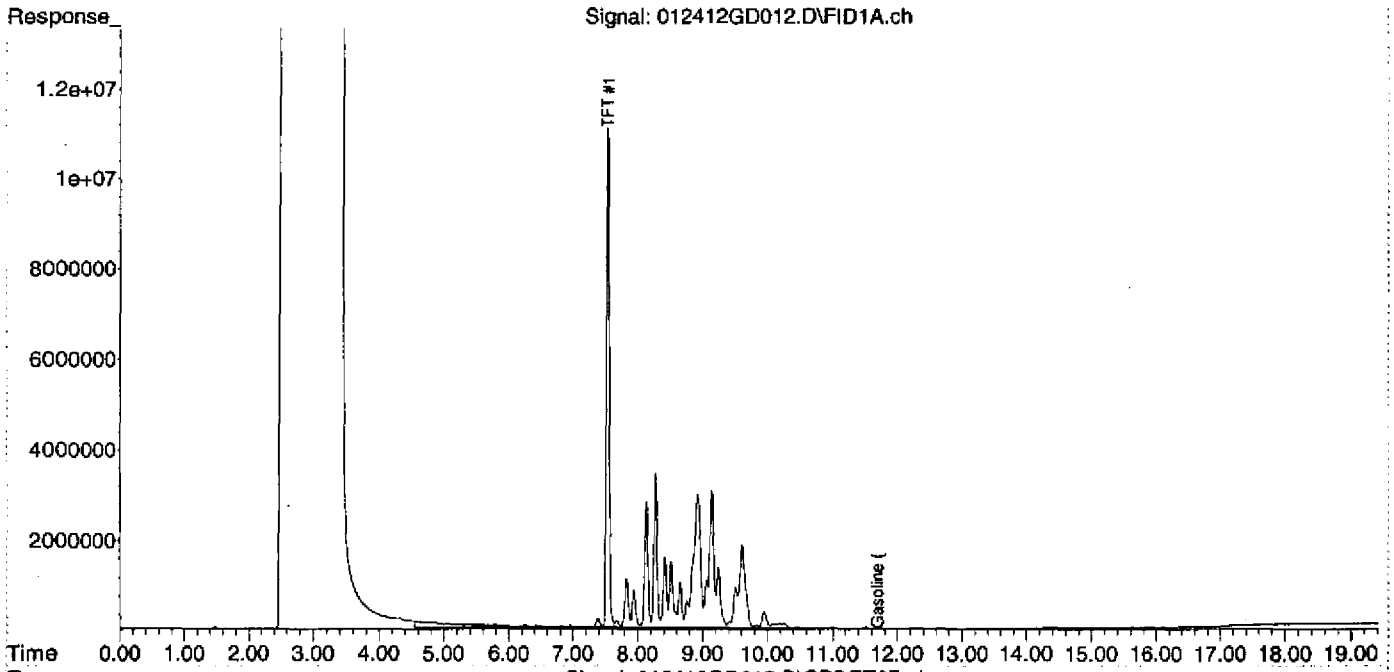
DIM0276390 DIM0276459

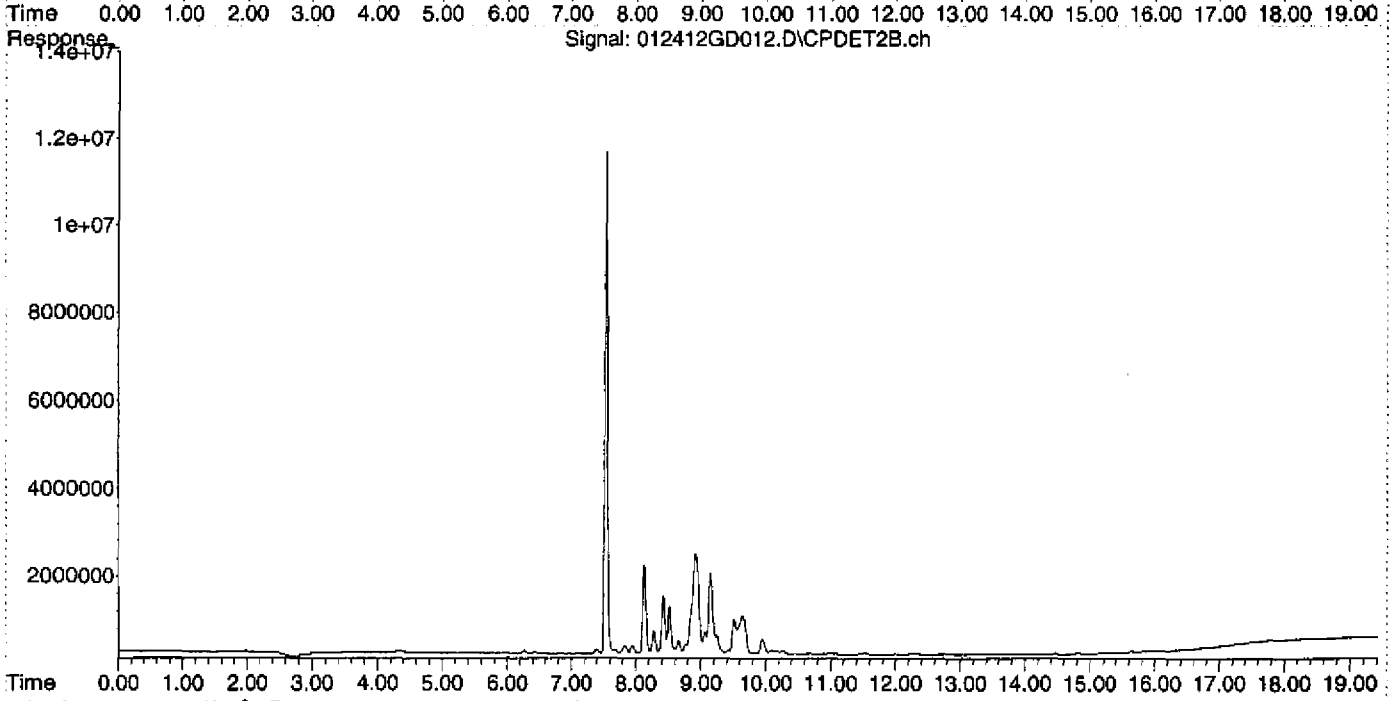
Quantitation Report (Not Reviewed)

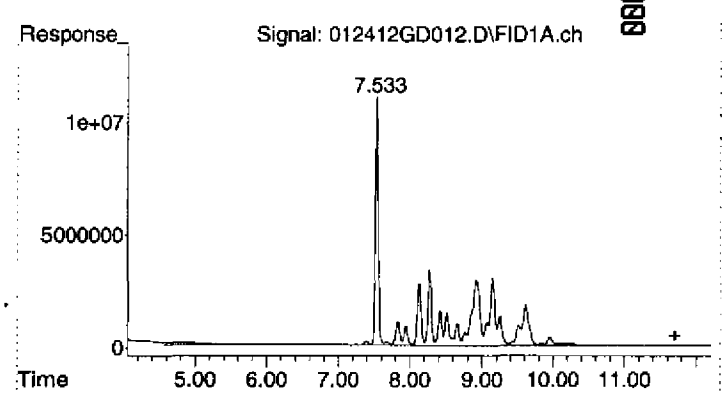
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:12 pm
Operator : YNB
Sample : 2010034-ICB1
Misc : NAPHTHA, 2A10005, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:53:57 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1077272029
Conc: 483.85 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:40 pm
Operator : YNB
Sample : 2010034-ICB2
Misc : TURPENTINE, 2A10006, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:02 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	306892279	127.657 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 102.13%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1159143162	520.619 ug/L

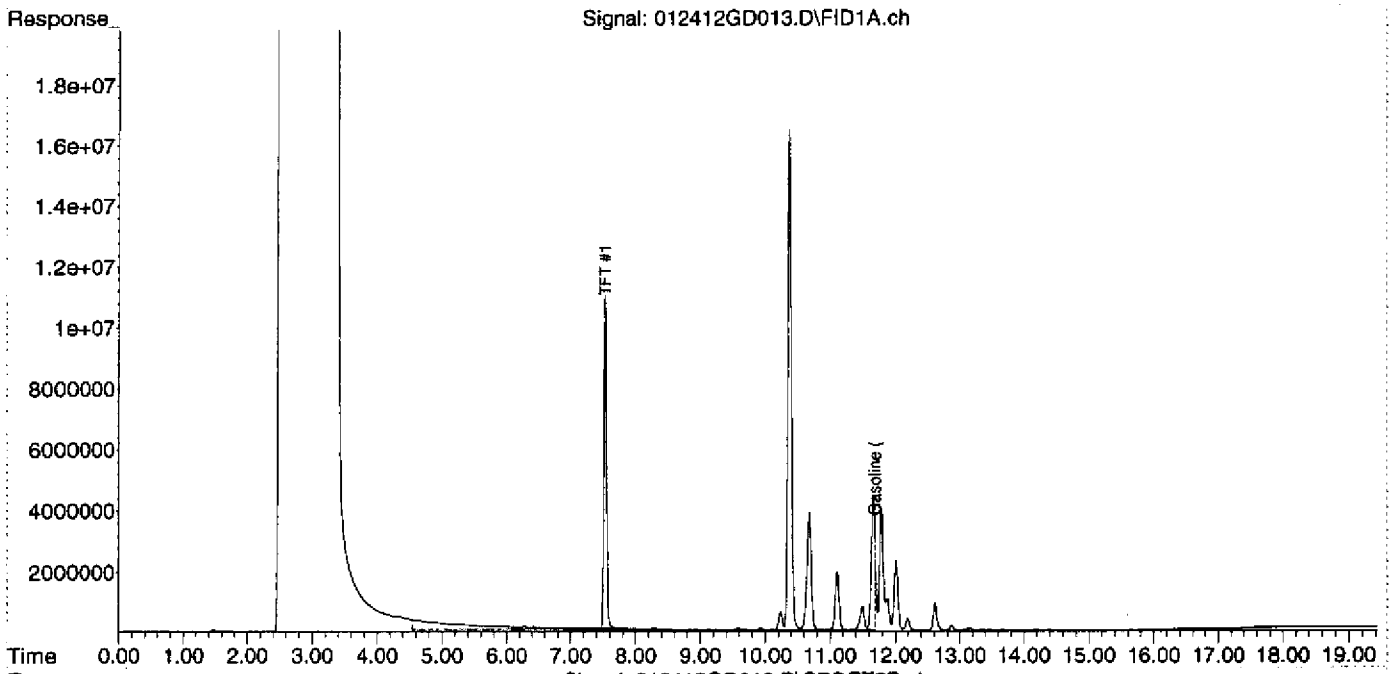
(f)=RT Delta > 1/2 Window (m)=manual int.

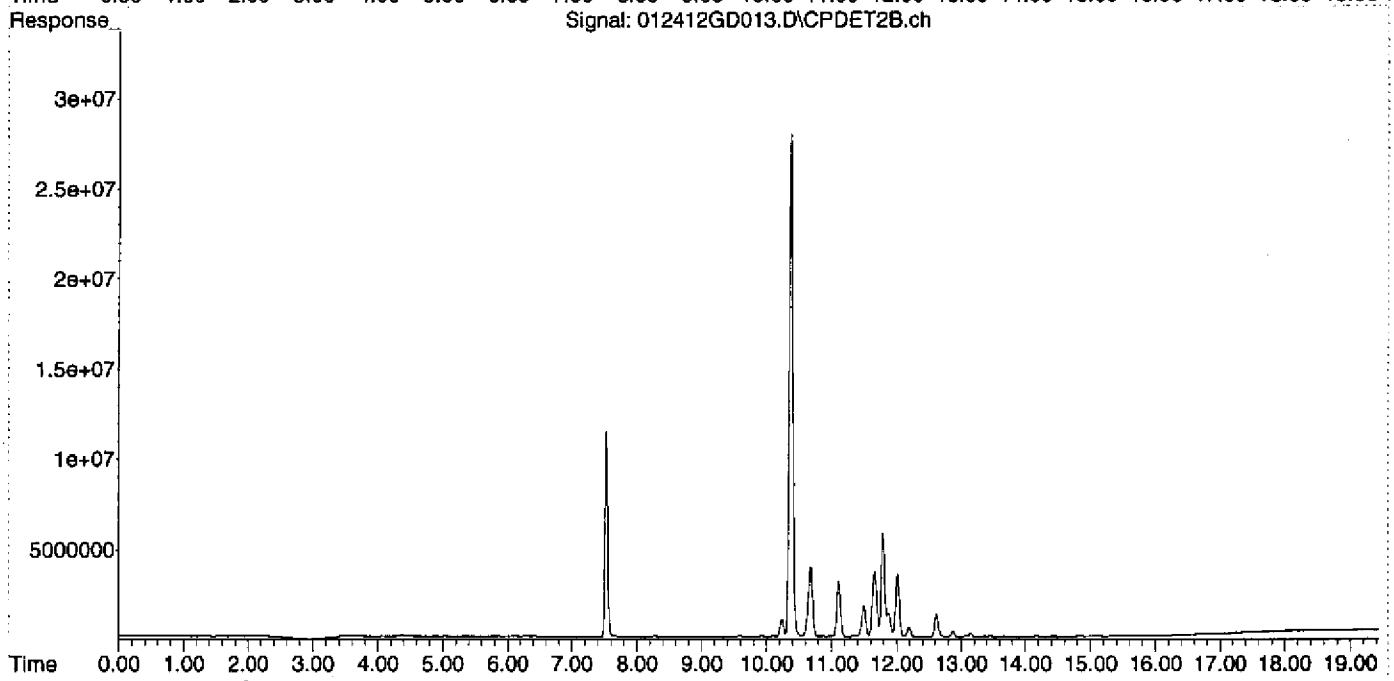
Quantitation Report (Not Reviewed)

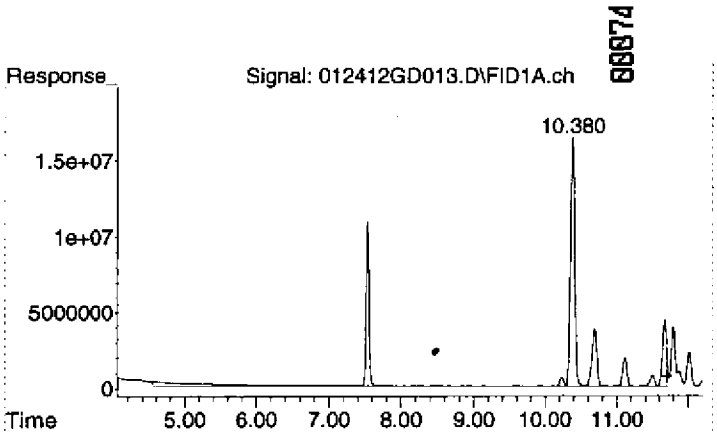
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:40 pm
Operator : YNB
Sample : 2010034-ICB2
Misc : TURPENTINE, 2A10006, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:02 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1159143162
Conc: 520.62 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:08 pm
Operator : YNB
Sample : 2010034-ICB3
Misc : MUN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:06 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	296943864	123.519 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery =	98.82%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	599539717	269.278 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

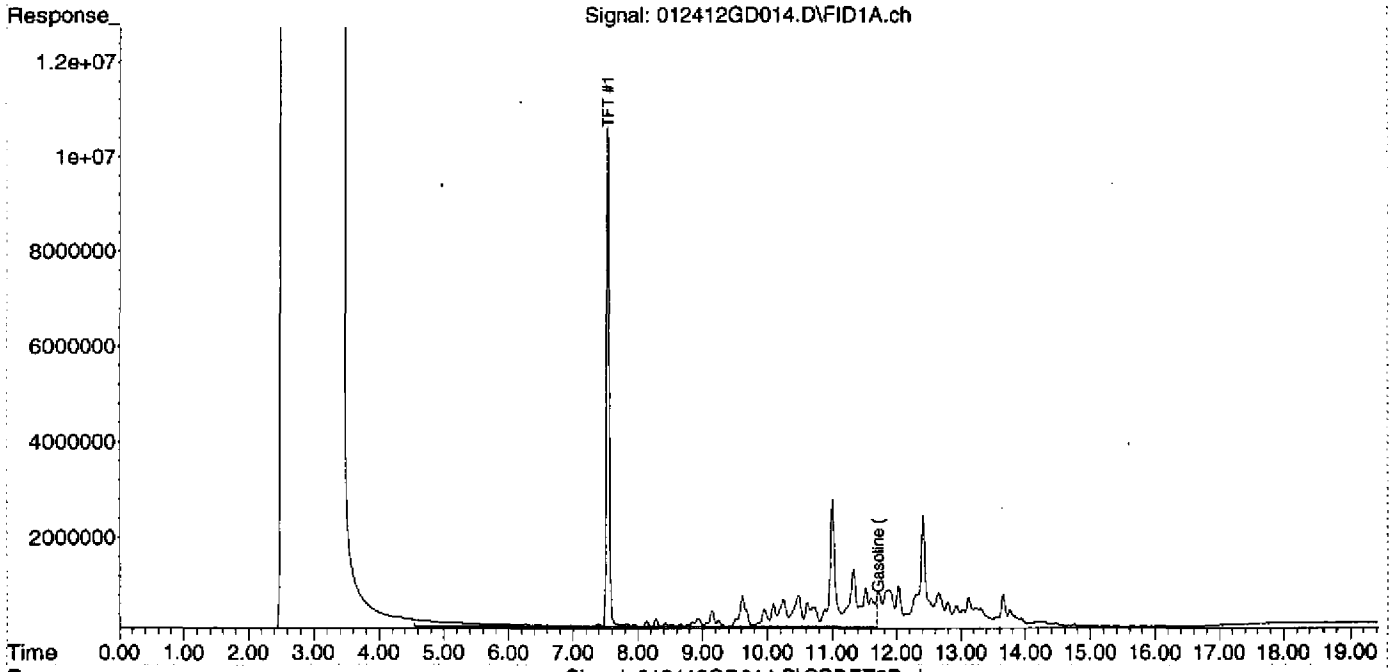
DIM0276390 DIM0276465

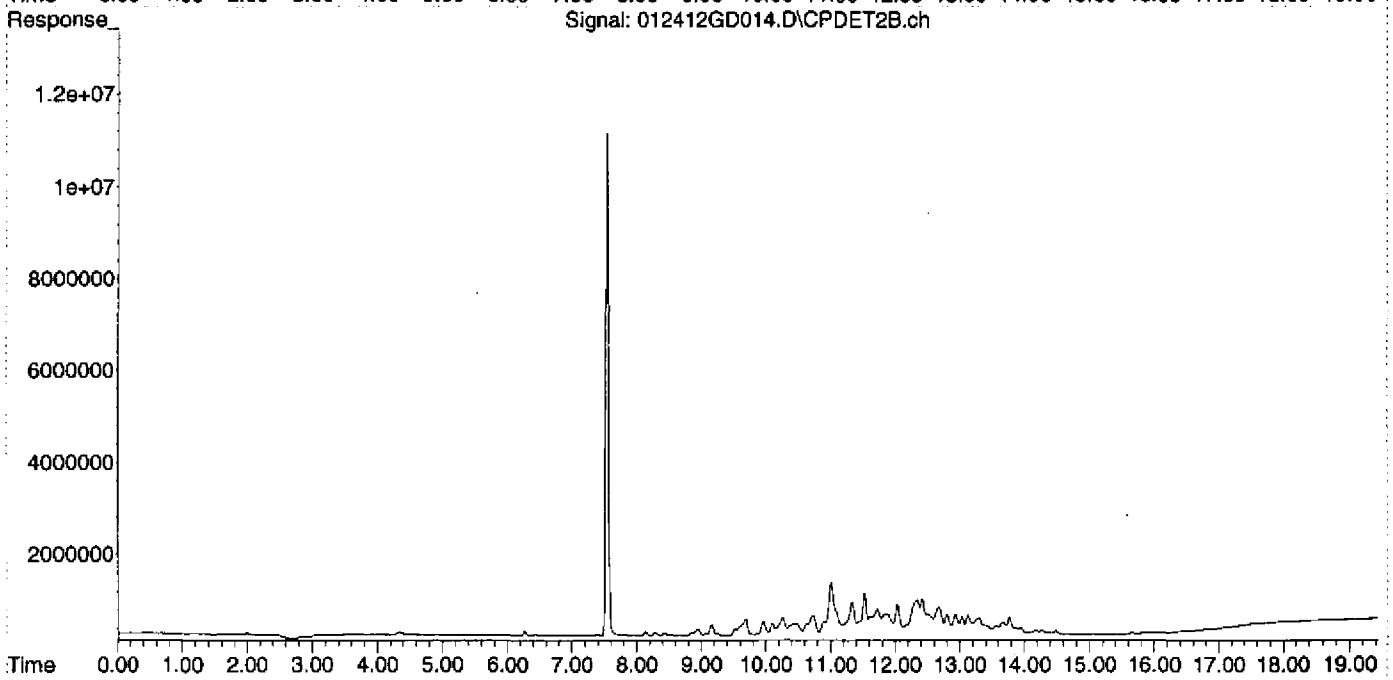
Quantitation Report (Not Reviewed)

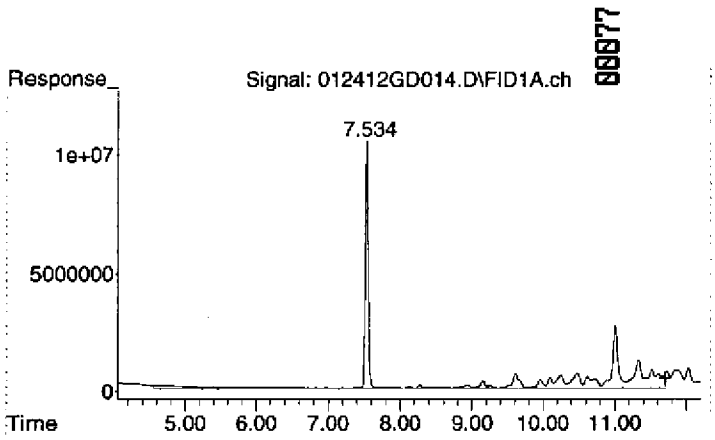
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:08 pm
Operator : YNB
Sample : 2010034-ICB3
Misc : MUN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:06 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 599539717
Conc: 269.28 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:37 pm
Operator : YNB
Sample : 2010034-ICB4
Misc : LASQUER, 2A10009, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	309270315	128.647 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.92%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	754083820	338.690 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

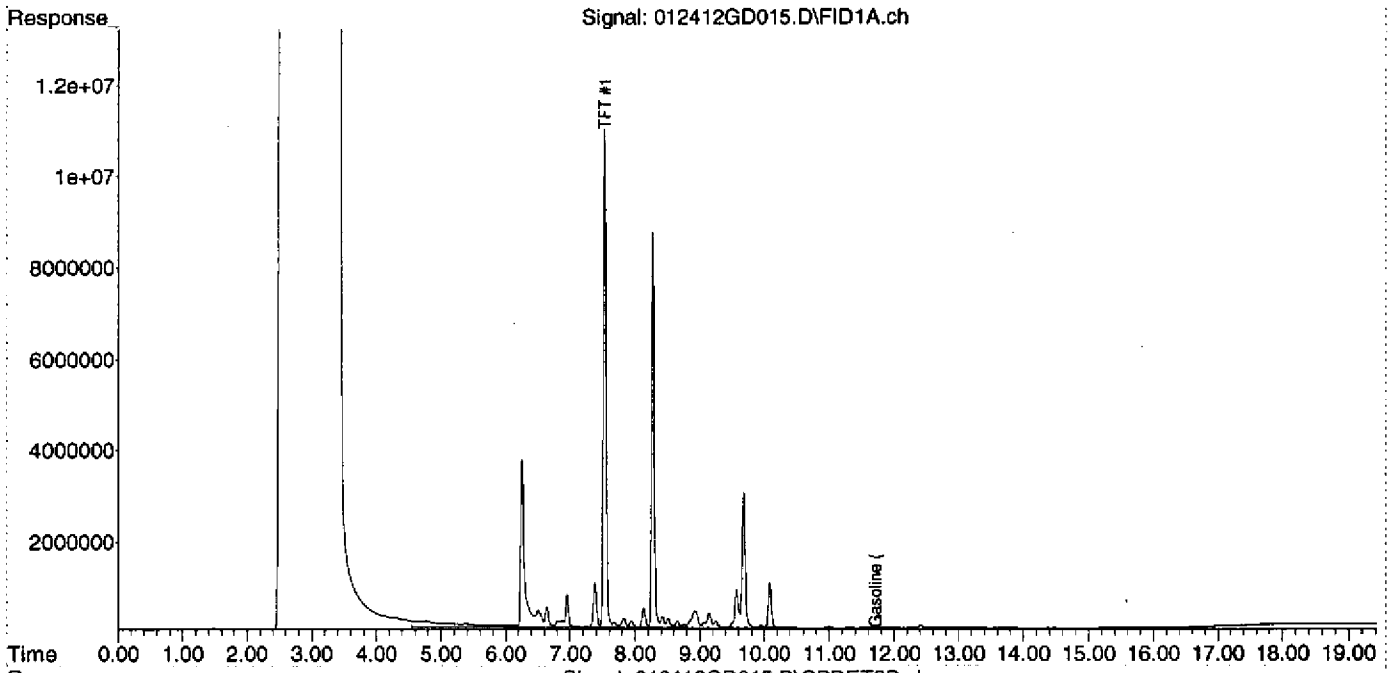
DIM0276390 DIM0276468

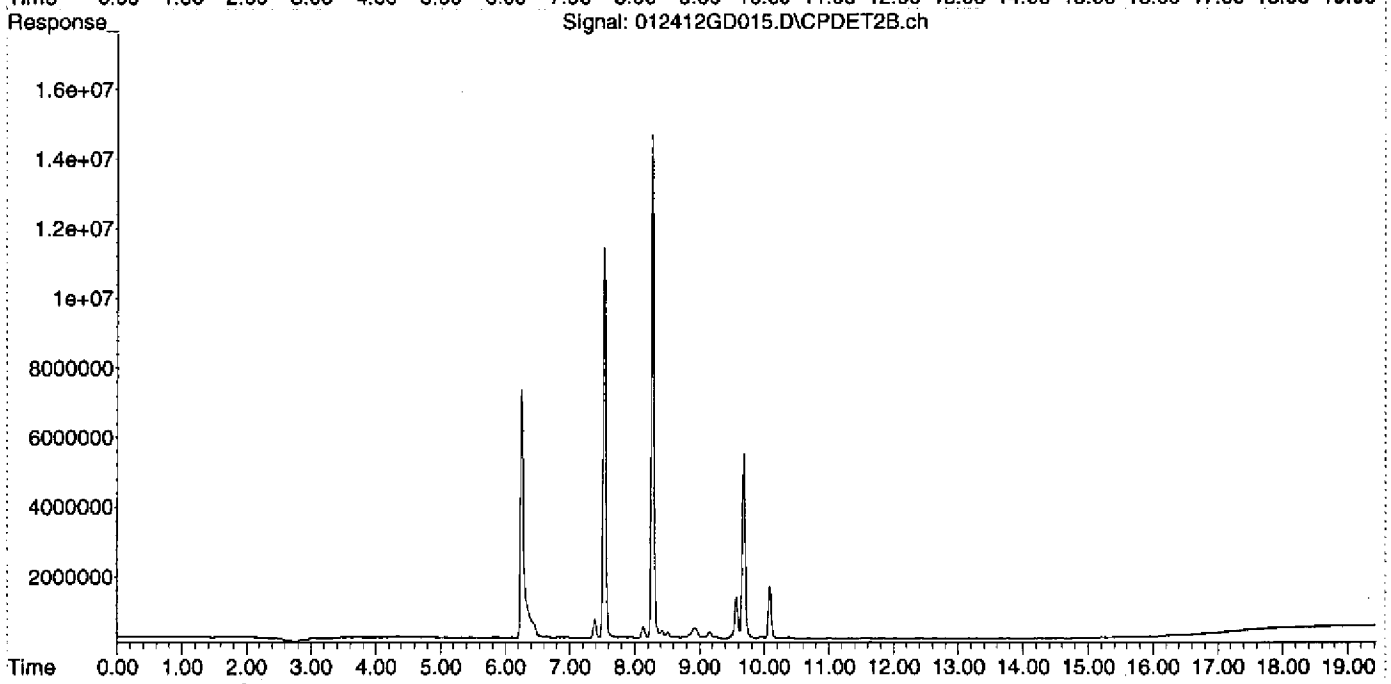
Quantitation Report (Not Reviewed)

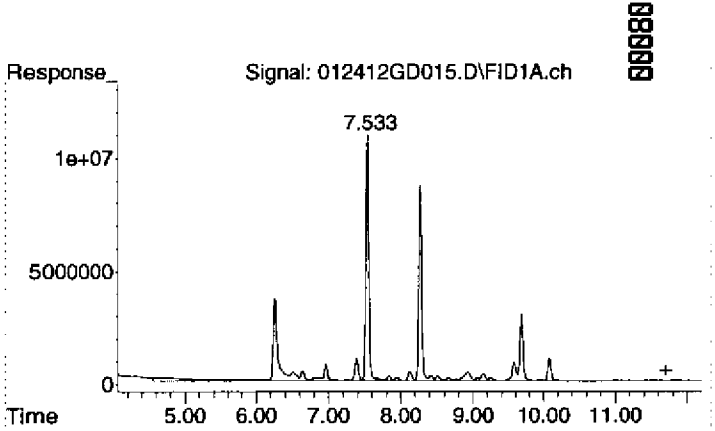
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:37 pm
Operator : YNB
Sample : 2010034-ICB4
Misc : LASQUER, 2A10009, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 754083820
Conc: 338.69 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:05 pm
Operator : YNB
Sample : 2010034-ICB5
Misc : STODDART, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	308691996	128.406 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.72%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	784682890	352.433 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

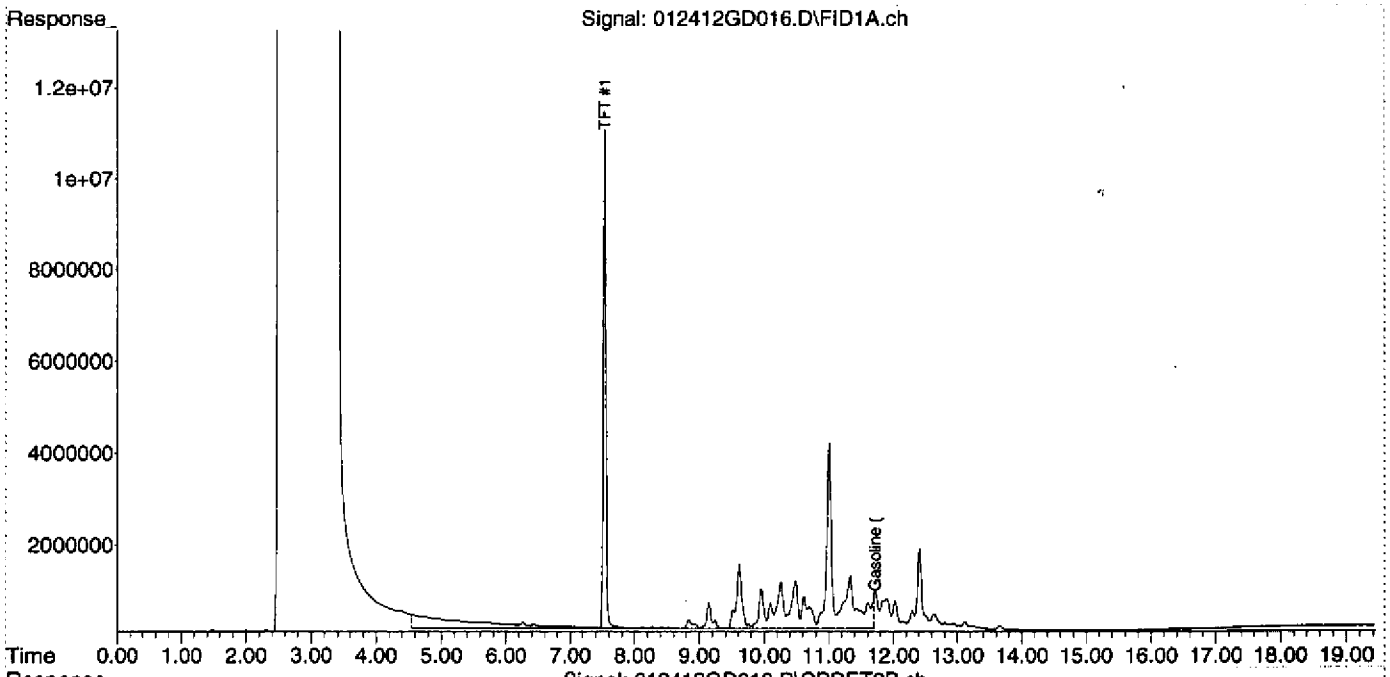
DIM0276390 DIM0276471

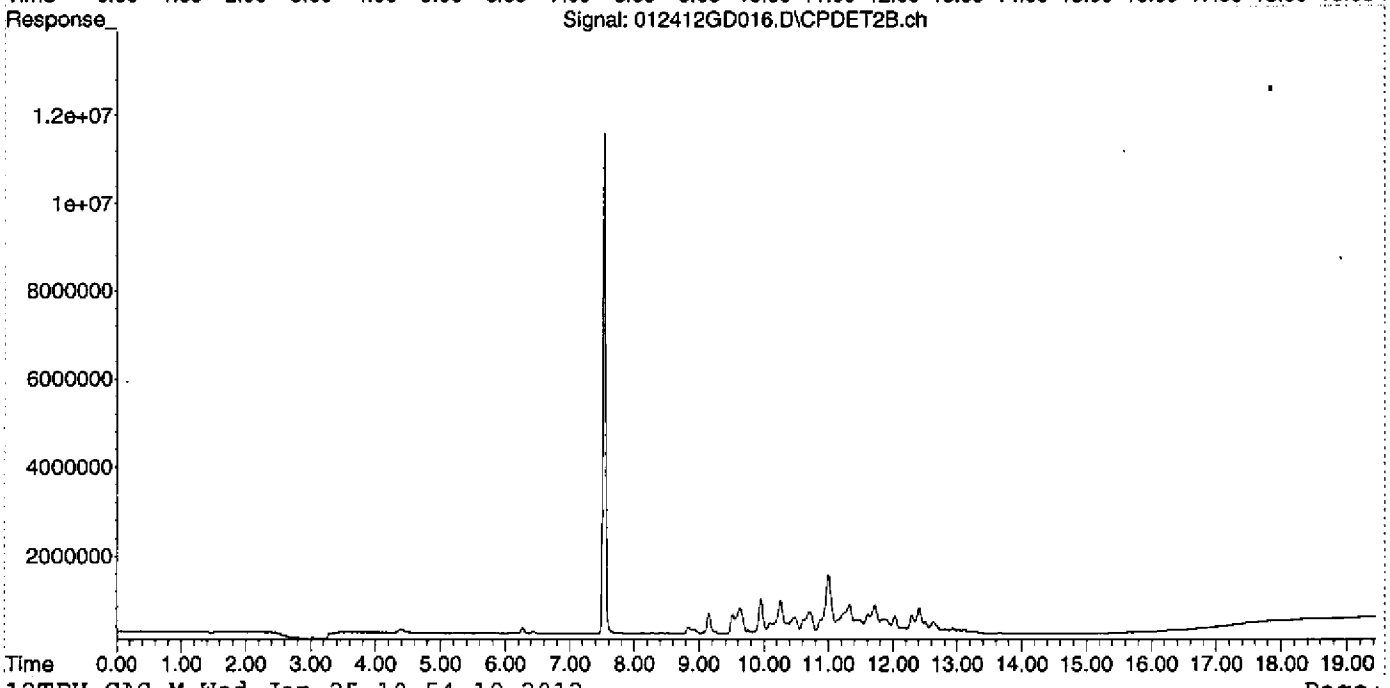
Quantitative Report (Not Reviewed)

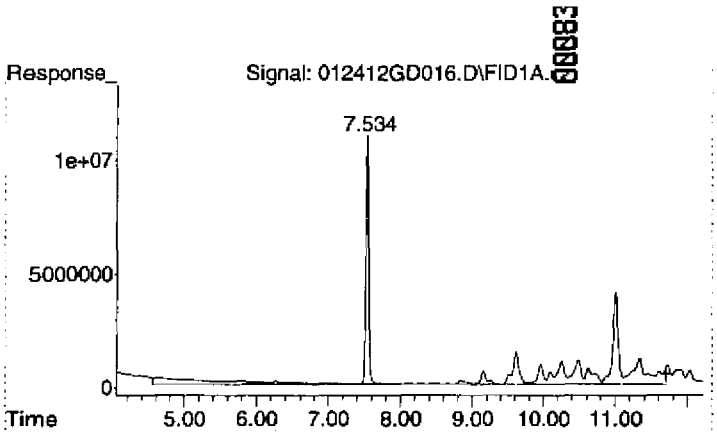
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:05 pm
Operator : YNB
Sample : 2010034-ICB5
Misc : STODDART, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 784682890
Conc: 352.43 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:33 pm
Operator : YNB
Sample : 2010034-ICB6
Misc : DIESEL, 2A10012, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:21 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	298106667	124.003 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 99.20%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	8589720068	3857.995 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

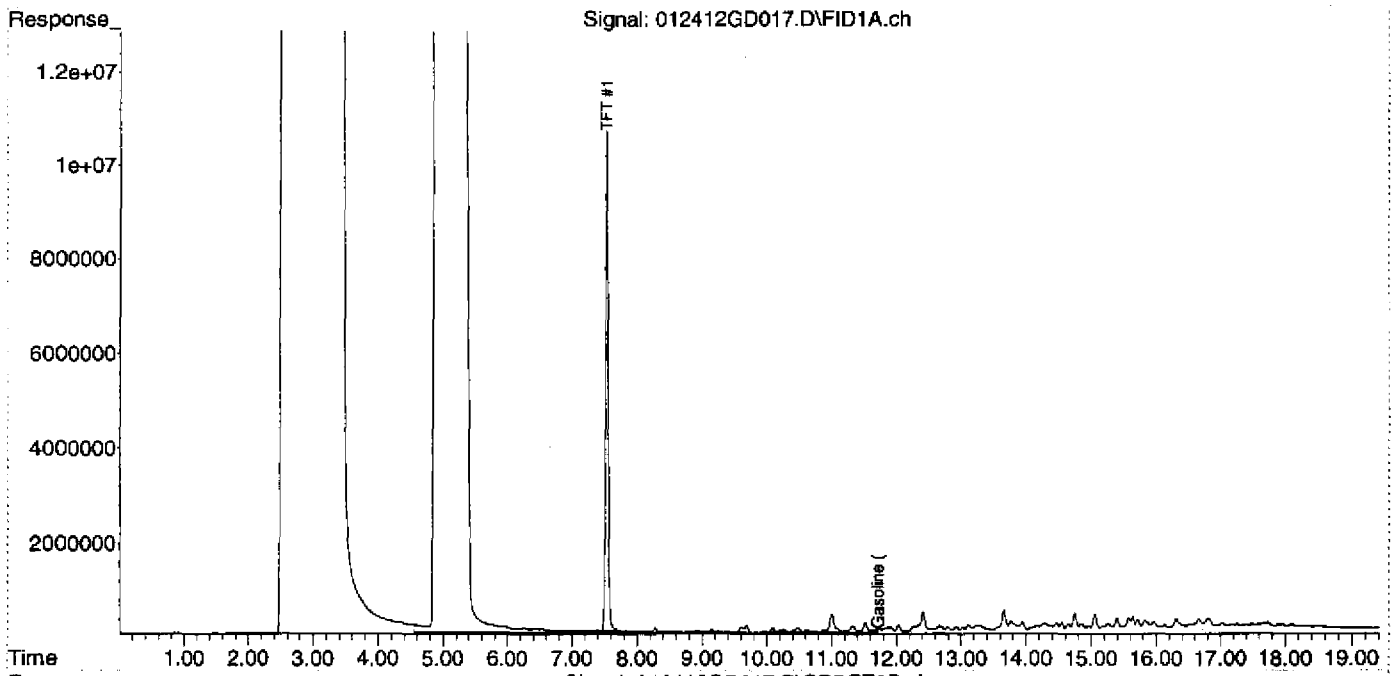
DIM0276390 DIM0276474

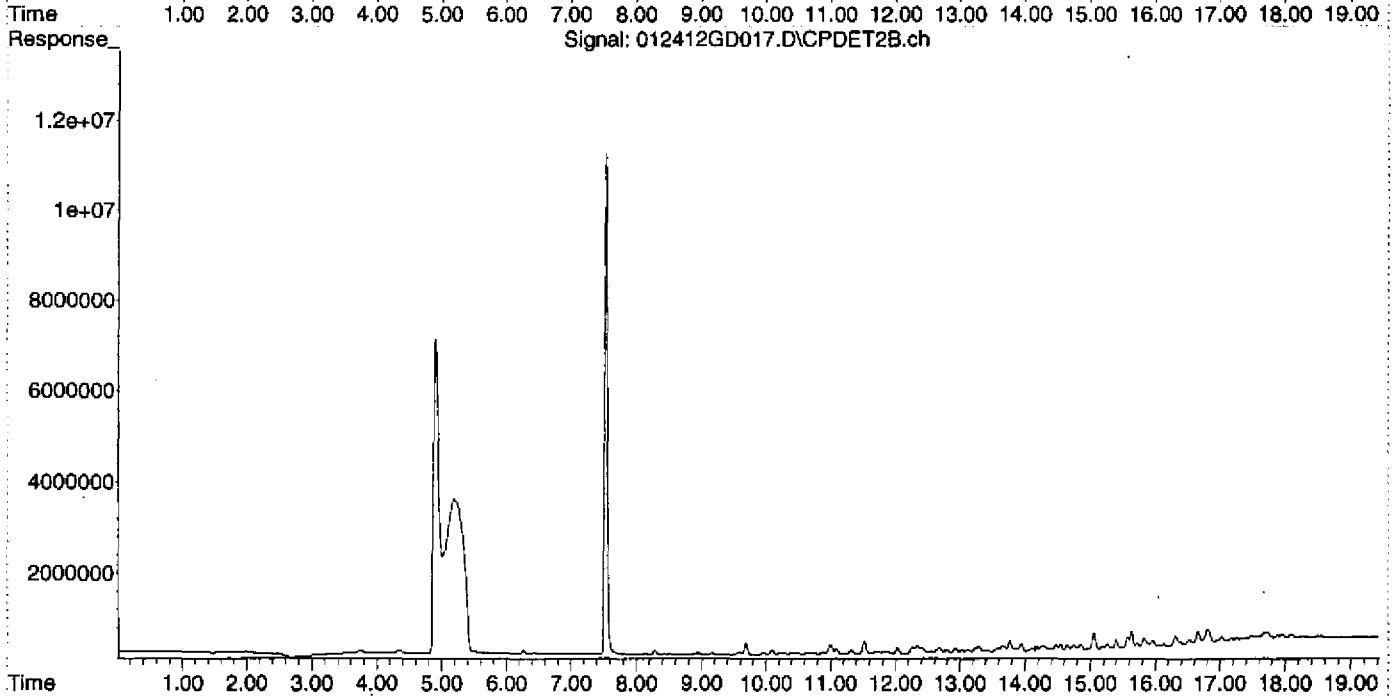
Quantitation Report (Not Reviewed)

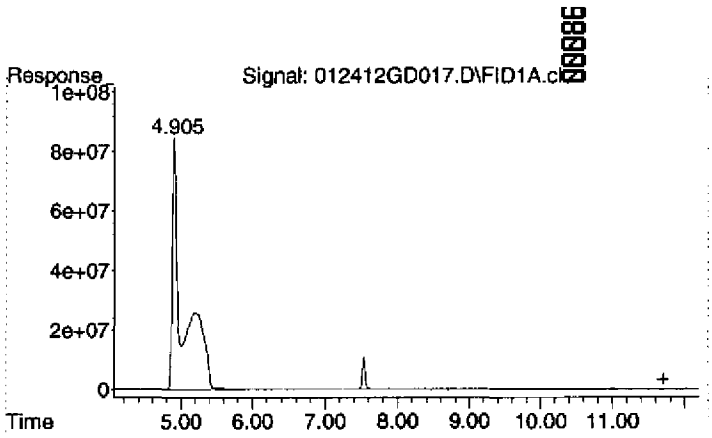
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:33 pm
Operator : YNB
Sample : 2010034-ICB6
Misc : DIESEL, 2A10012, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 25 10:54:21 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 8589720068
Conc: 3858.00 ug/L

00087

SDG: R33911 / 12027B

Instrument: AG 5975D

Analysis Date: 01.27.12

SAMPLE DATA

G:\USER\ESAT\1 Organic Group\Forms\DataPackageSeparators.doc

00071

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\012712\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	012712GD001.D	1	2010043-IBL1	2A24003, IB	27 Jan 2012 11:13 am
2	012712GD002.D	1	2010043-CCV1	500ug/L, 1J17001, WATER	27 Jan 2012 11:41 am
3	012712GD003.D	1	2010043-LCV1	50ug/L, 1J17001, WATER	27 Jan 2012 12:10 pm
4	012712GD004.D	1	B2A0066-BLK1	BLANK, WATER	27 Jan 2012 12:38 pm
5	012712GD005.D	1	B2A0066-BS1	500ug/L, 1J17001, WATER	27 Jan 2012 1:06 pm
6	012712GD006.D	1	1201030-01	EPAMW4-28-WATER,H, WATER	27 Jan 2012 1:35 pm
7	012712GD007.D	1	BLANK	BLANK, WATER	27 Jan 2012 2:03 pm
8	012712GD008.D	1	1201031-01	FB01,C, WATER	27 Jan 2012 2:32 pm
9	012712GD009.D	1	1201031-02	FB02,C, WATER	27 Jan 2012 3:00 pm
10	012712GD010.D	1	1201031-03	HW04,D, WATER	27 Jan 2012 3:28 pm
11	012712GD011.D	1	BLANK	BLANK, WATER	27 Jan 2012 3:56 pm
12	012712GD012.D	1	1201031-04	HW19,D, WATER	27 Jan 2012 4:24 pm
13	012712GD013.D	1	BLANK	BLANK, WATER	27 Jan 2012 4:53 pm
14	012712GD014.D	1	1201031-05	HW19-P,D, WATER	27 Jan 2012 5:22 pm
15	012712GD015.D	1	BLANK	BLANK, WATER	27 Jan 2012 5:50 pm
16	012712GD016.D	1	2010043-CCV2	500ug/L, 1J17001, WATER	27 Jan 2012 6:18 pm
17	012712GD017.D	1	2010043-CCV3	500ug/L, 1J17001, WATER	27 Jan 2012 6:46 pm

GC QA-QC Check Report

Daily Calibration File : D:\MSDCHEM\2012\data\012712\012712GD002.D
Time Acquired : 27 Jan 2012 11:41 am

File	Sample	Surrogate Recovery %	Internal Standard Responses
012712GD004.D	B2A0066-BLK1	99	
012712GD005.D	B2A0066-BS1	107	
012712GD006.D	1201030-01	102	
012712GD007.D	BLANK	101	
012712GD008.D	1201031-01	101	
012712GD009.D	1201031-02	102	
012712GD010.D	1201031-03	102	
012712GD011.D	BLANK	100	
012712GD012.D	1201031-04	100	
012712GD013.D	BLANK	98	
012712GD014.D	1201031-05	101	

(fails) - fails 12hr time check * - fails criteria

Created: Mon Jan 30 09:03:45 2012 GC-FID-PID

Response Factor Report GC-FID-PID

Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

Calibration Files
G50 =012412GD005.D G100 =012412GD006.D G500 =012412GD007.D
G1K =012412GD008.D G2K =012412GD009.D

	Compound	G50	G100	G500	G1K	G2K	Avg		%RSD
1)	HRM Gasoline (TPH) #1	2.236	2.185	2.345	2.254	2.112	2.226	E6	3.86
2)	S TFT #1	2.396	2.250	2.397	2.483	2.494	2.404	E6	4.06

(#) = Out of Range

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 11:13 am
Operator : YNB
Sample : 2010043-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 11:51:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.521	326204773	135.691 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 108.55%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	8819777	3.961 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

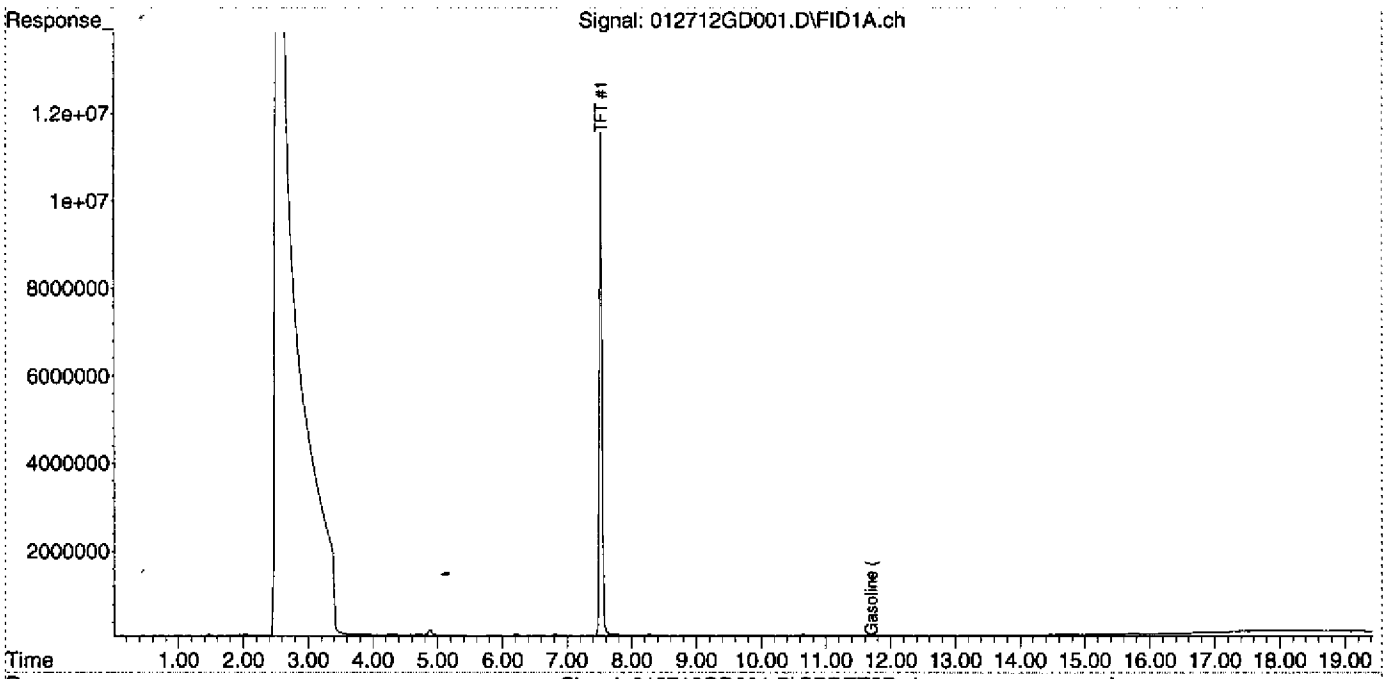
DIM0276390 DIM0276481

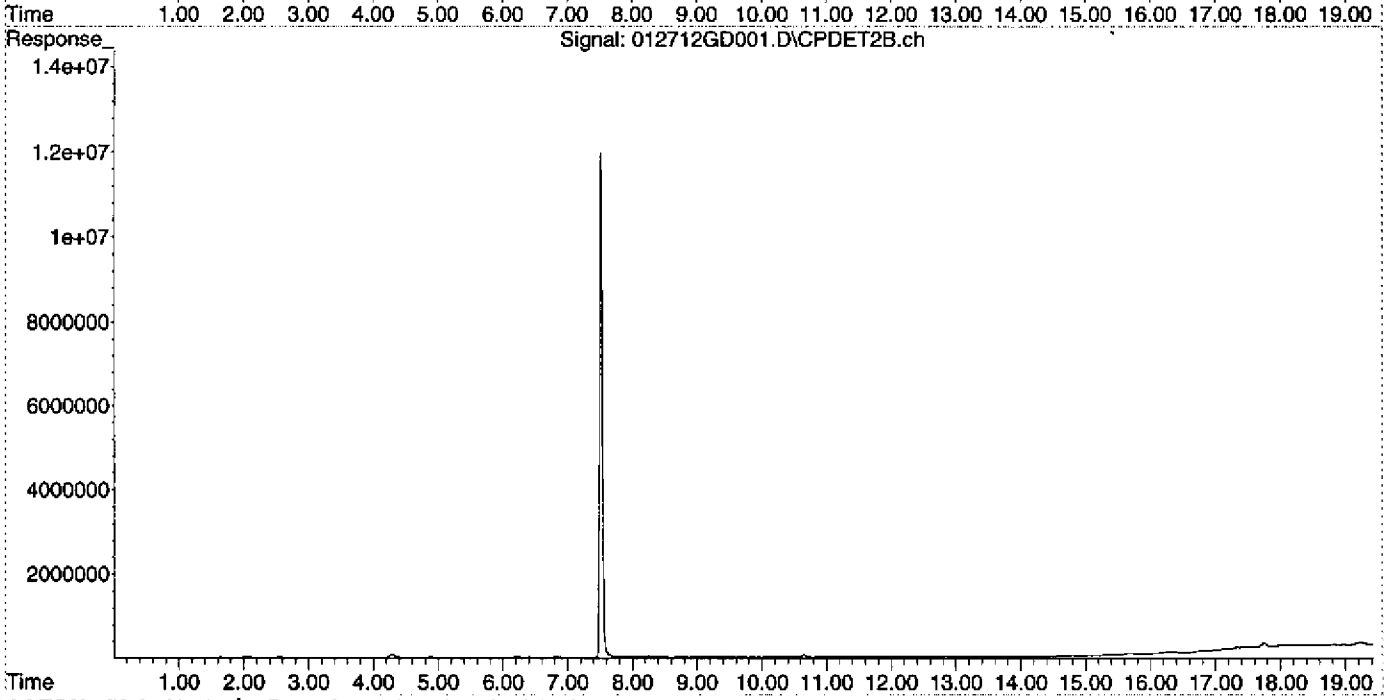
Quantitation Report (Not Reviewed)

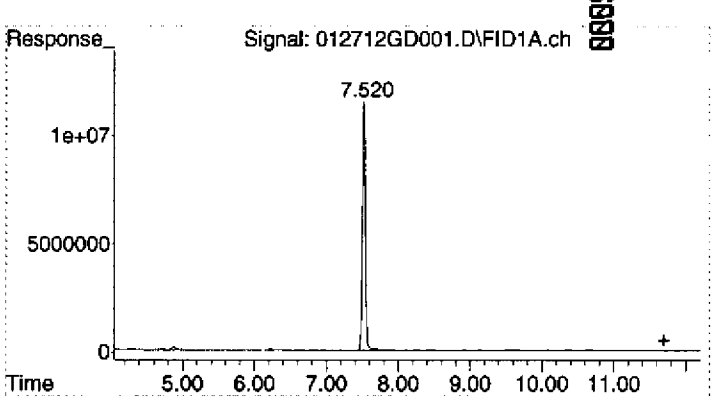
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 11:13 am
Operator : YNB
Sample : 2010043-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 11:51:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	8819777
Conc:	3.96 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 11:41 am
Operator : YNB
Sample : 2010043-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 12:24:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.03min
Max. RRF Dev : 15% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	HRM Gasoline (TPH) #1	2.226	2.389 E6	-7.3	102	0.00
2	S TFT #1	2.404	2.461 E6	-2.4	103	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

DIM0276390 DIM0276484

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 11:41 am
Operator : YNB
Sample : 2010043-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 12:24:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.528	307616114	127.958 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 102.37%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1194352238	536.433 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

$\frac{307616114}{2404000} = 127.96$ 102%

YNB
01.30.12

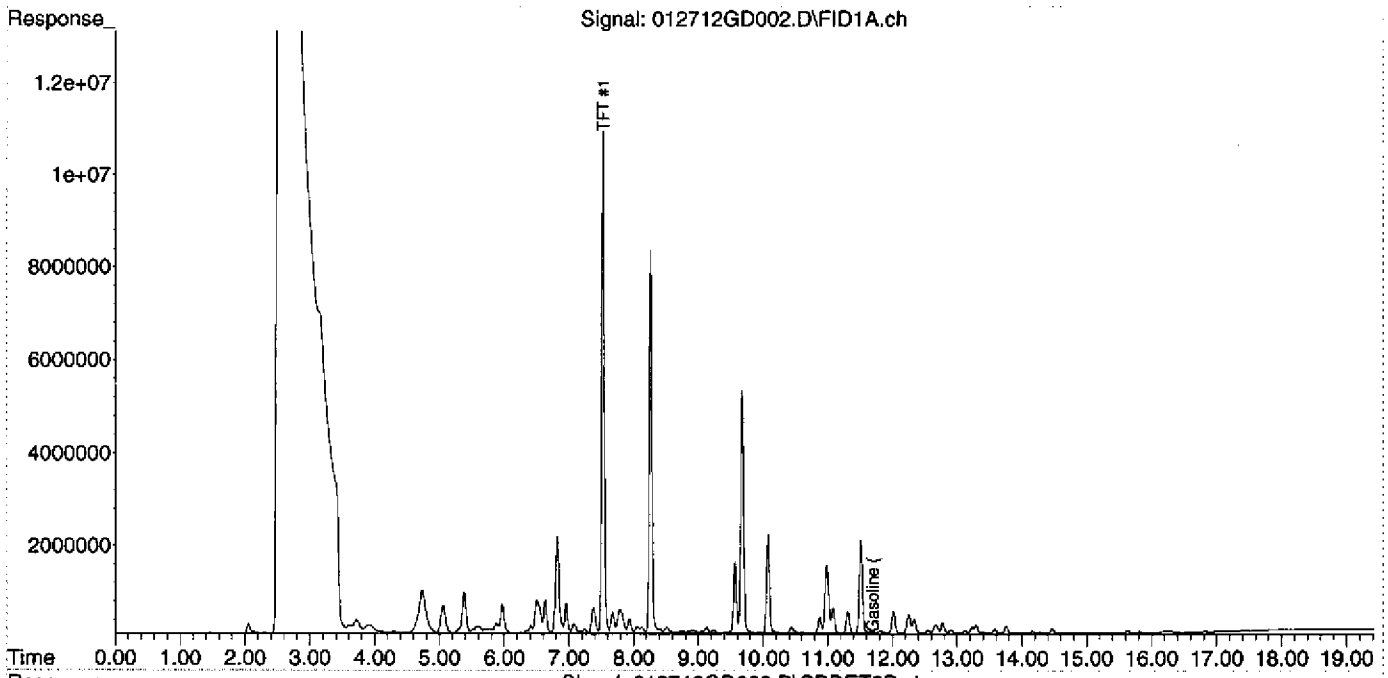
DIM0276390 DIM0276485

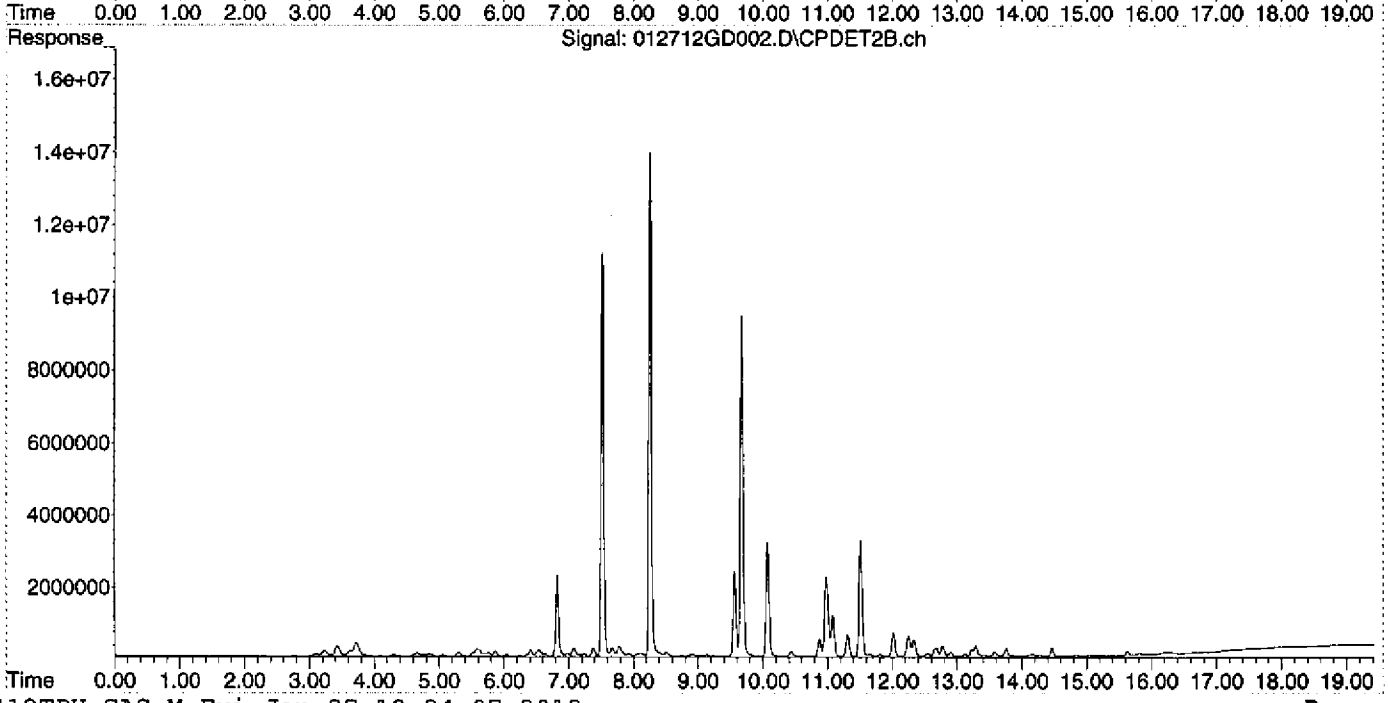
Quantitation Report (Not Reviewed)

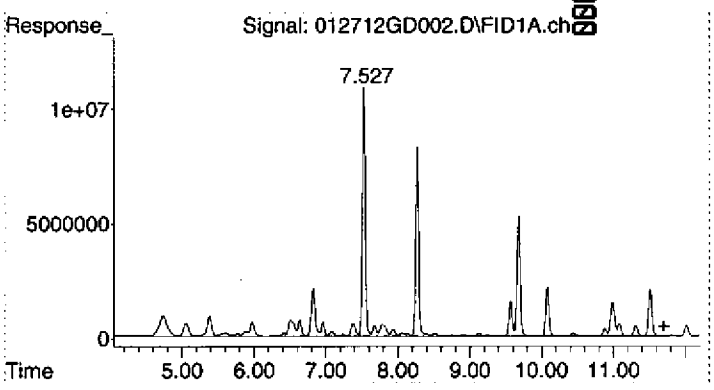
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 11:41 am
Operator : YNB
Sample : 2010043-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 12:24:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1194352238
Conc: 536.43 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 12:10 pm
Operator : YNB
Sample : 2010043-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 12:39:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.530	304439308	126.637 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.31%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	106727310	47.936 ug/L

95.87%
60-140% limit
YNB
01.27.12

(f)=RT Delta > 1/2 Window (m)=manual int.

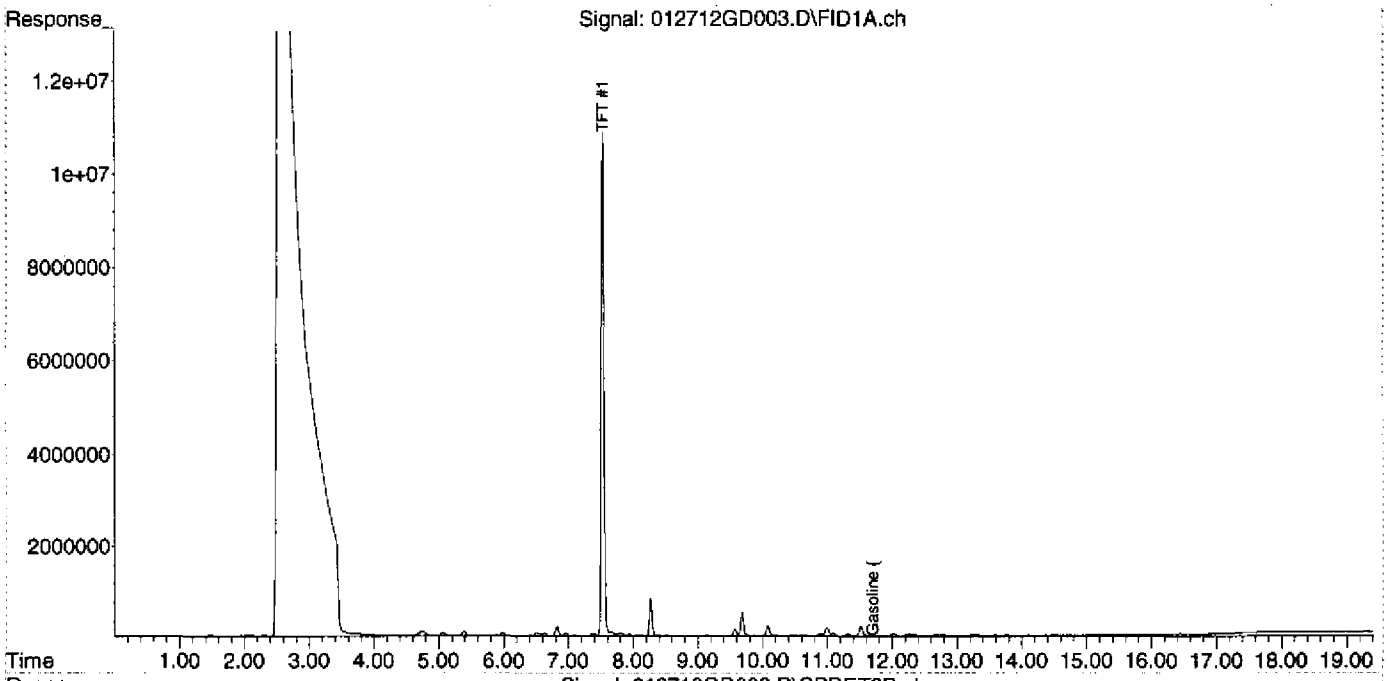
DIM0276390 DIM0276488

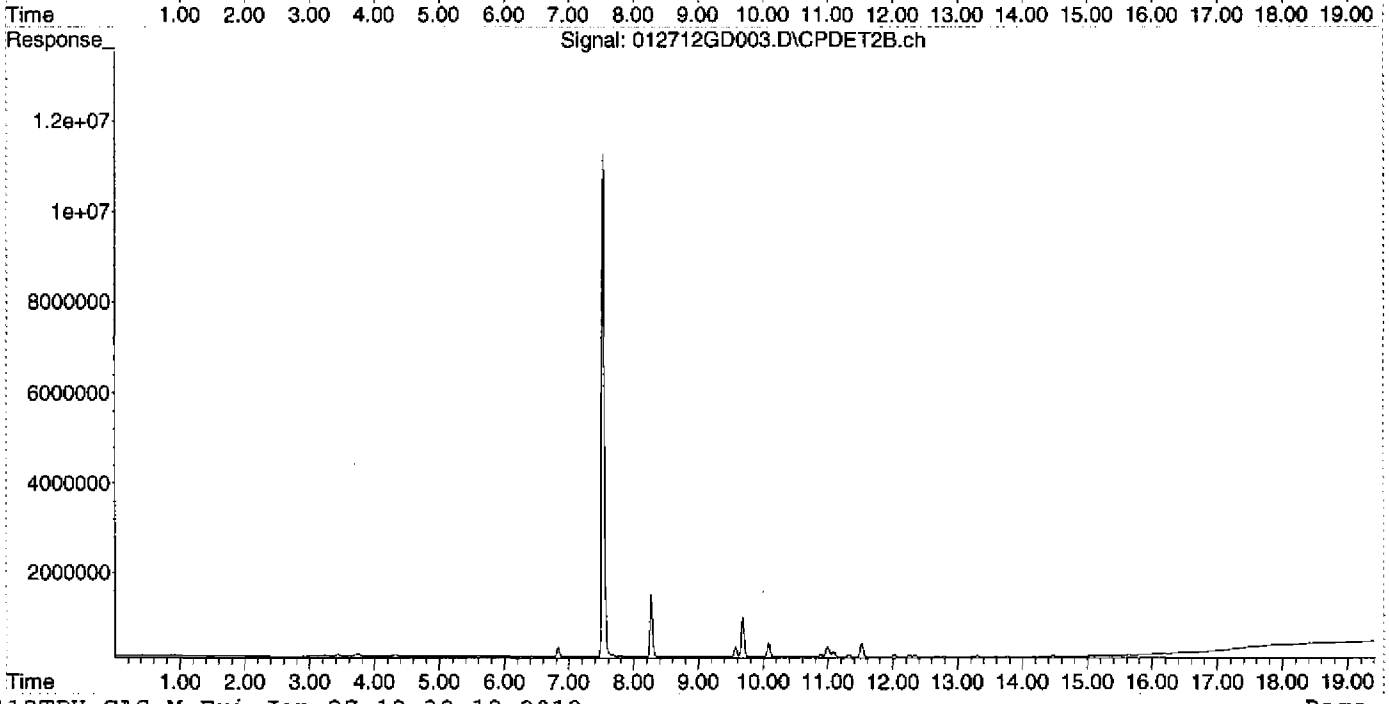
Quantitation Report (Not Reviewed)

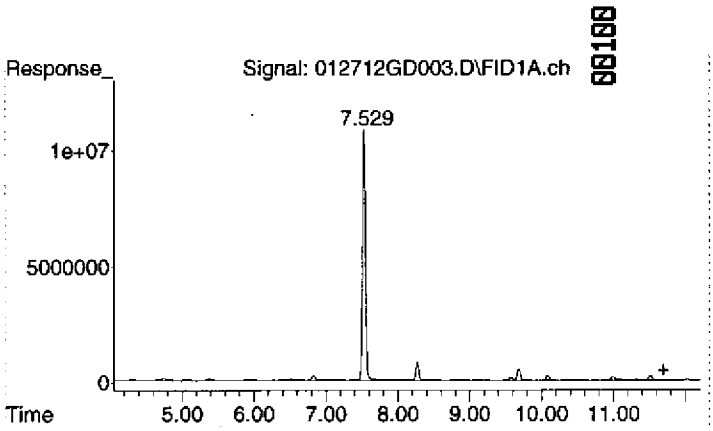
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 12:10 pm
Operator : YNB
Sample : 2010043-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 12:39:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 106727310
Conc: 47.94 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 12:38 pm
Operator : YNB
Sample : B2A0066-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 13:07:07 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.531	296601821	123.377 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 98.70%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	10076221	4.526 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

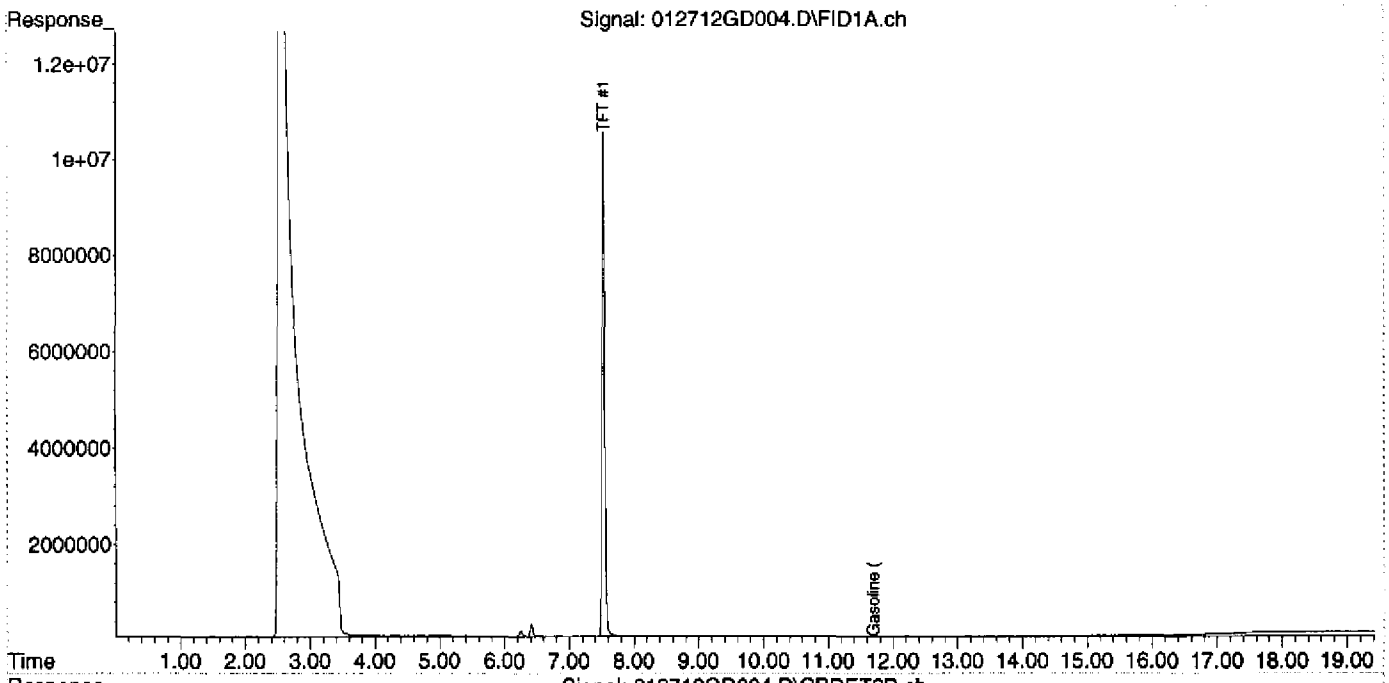
DIM0276390 DIM0276491

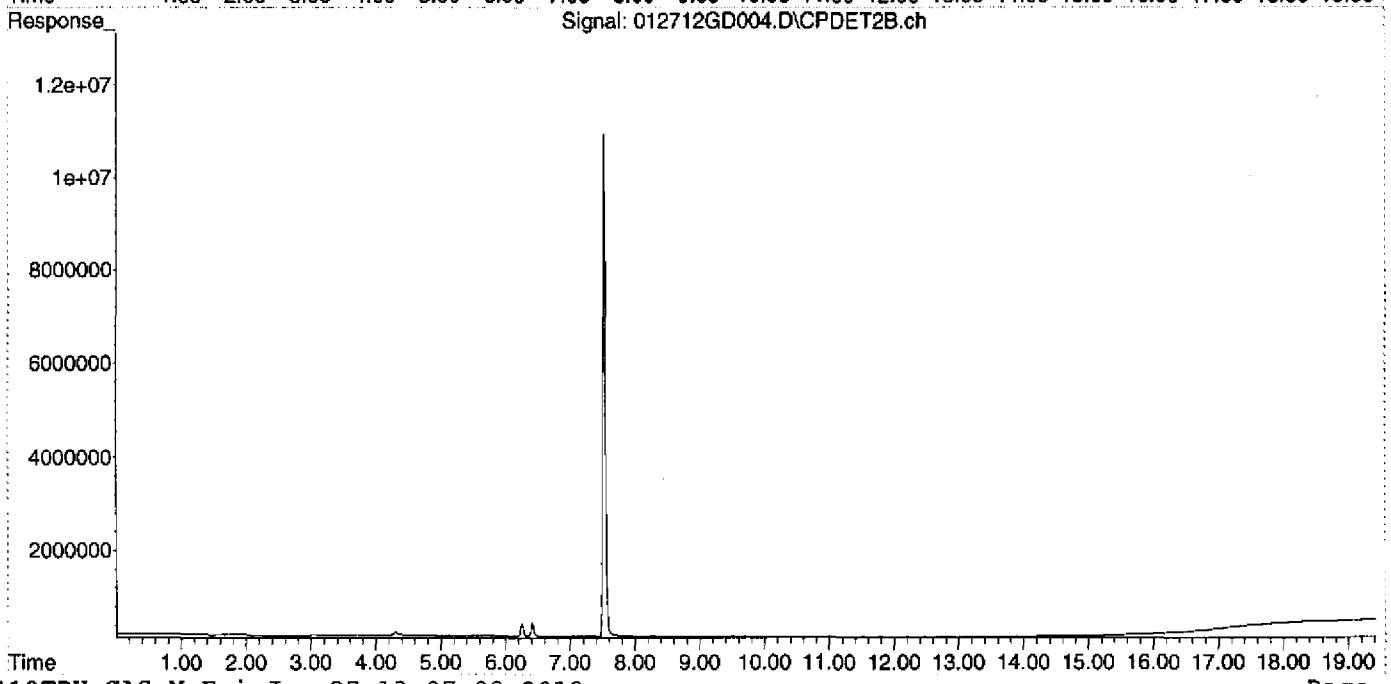
Quantitation Report (Not Reviewed)

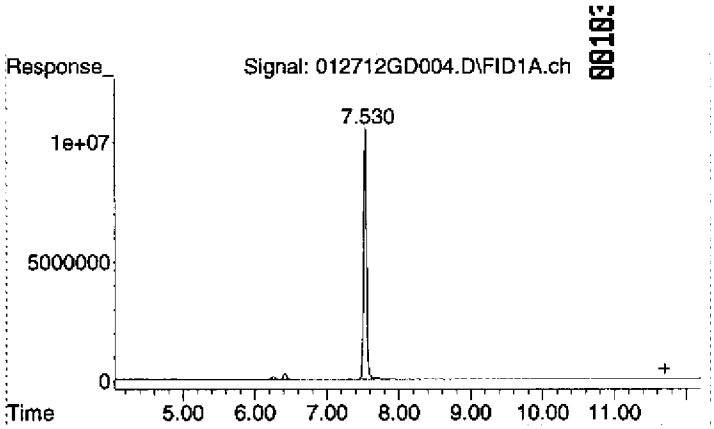
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 12:38 pm
Operator : YNB
Sample : B2A0066-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 13:07:07 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 10076221
Conc: 4.53 ug/L

Quantitation Report (Not Reviewed)

00194

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 1:06 pm
Operator : YNB
Sample : B2A0066-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 13:26:48 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	323023991	134.368 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 107.49%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1091223227	490.113 ug/L

98.02% 0.K

(f)=RT Delta > 1/2 Window (m)=manual int.

YNB
01.27.12

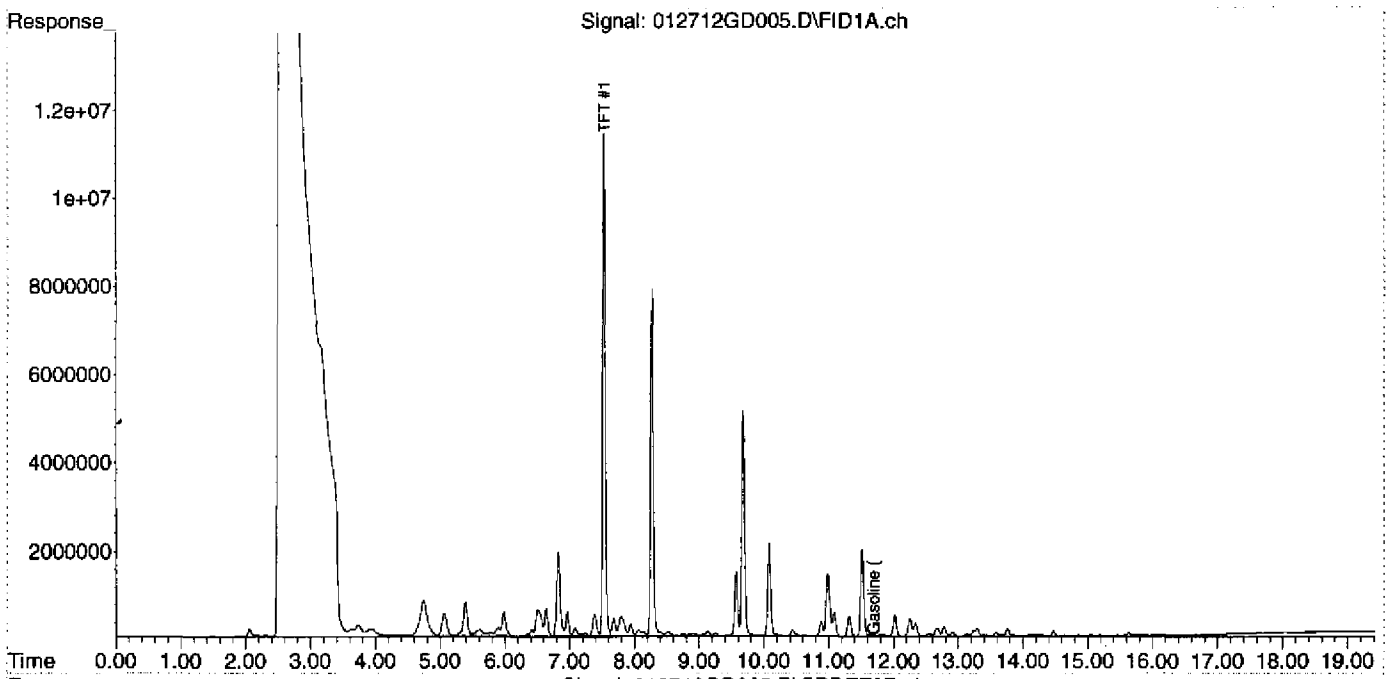
Limit 75-114%

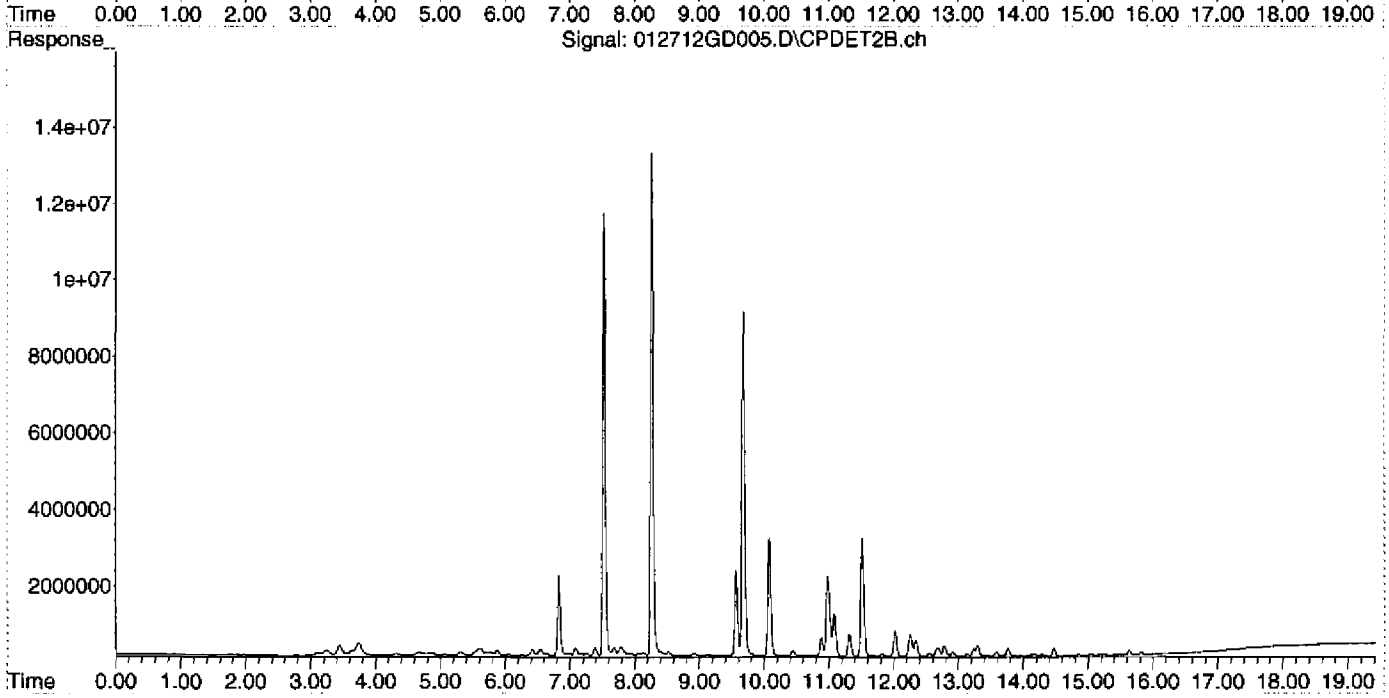
Quantitation Report (Not Reviewed)

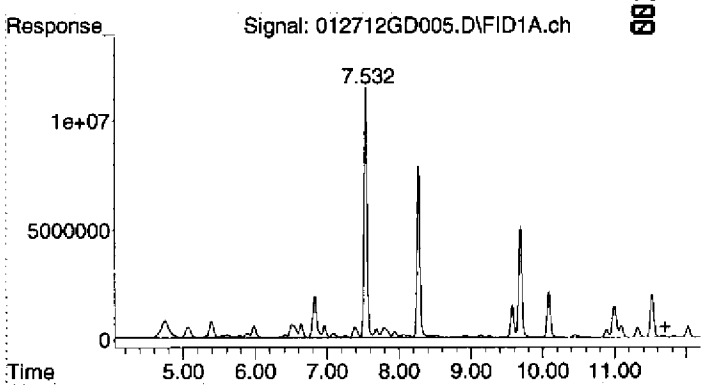
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 1:06 pm
Operator : YNB
Sample : B2A0066-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 27 13:26:48 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1091223227
Conc: 490.11 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 2:32 pm
Operator : YNB
Sample : 1201031-01
Misc : FB01,C, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	303598767	126.287 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.03%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	11843672	5.319 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

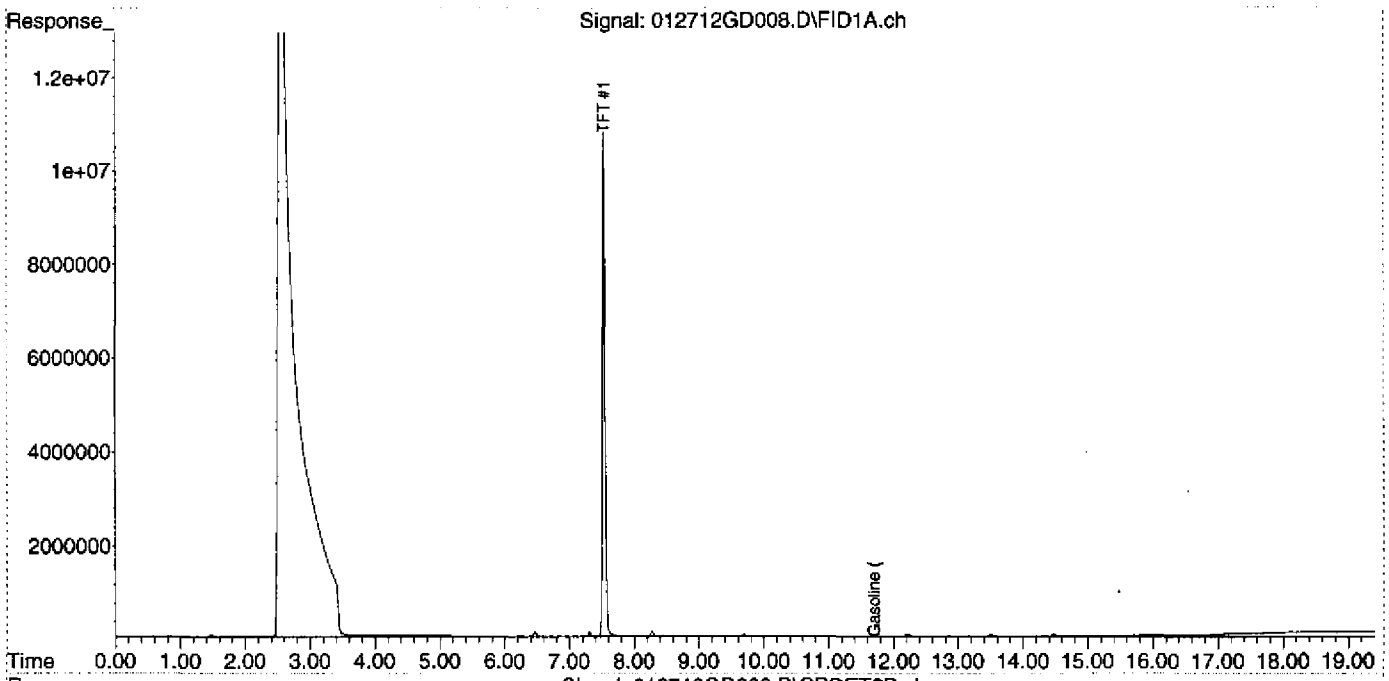
DIM0276390 DIM0276497

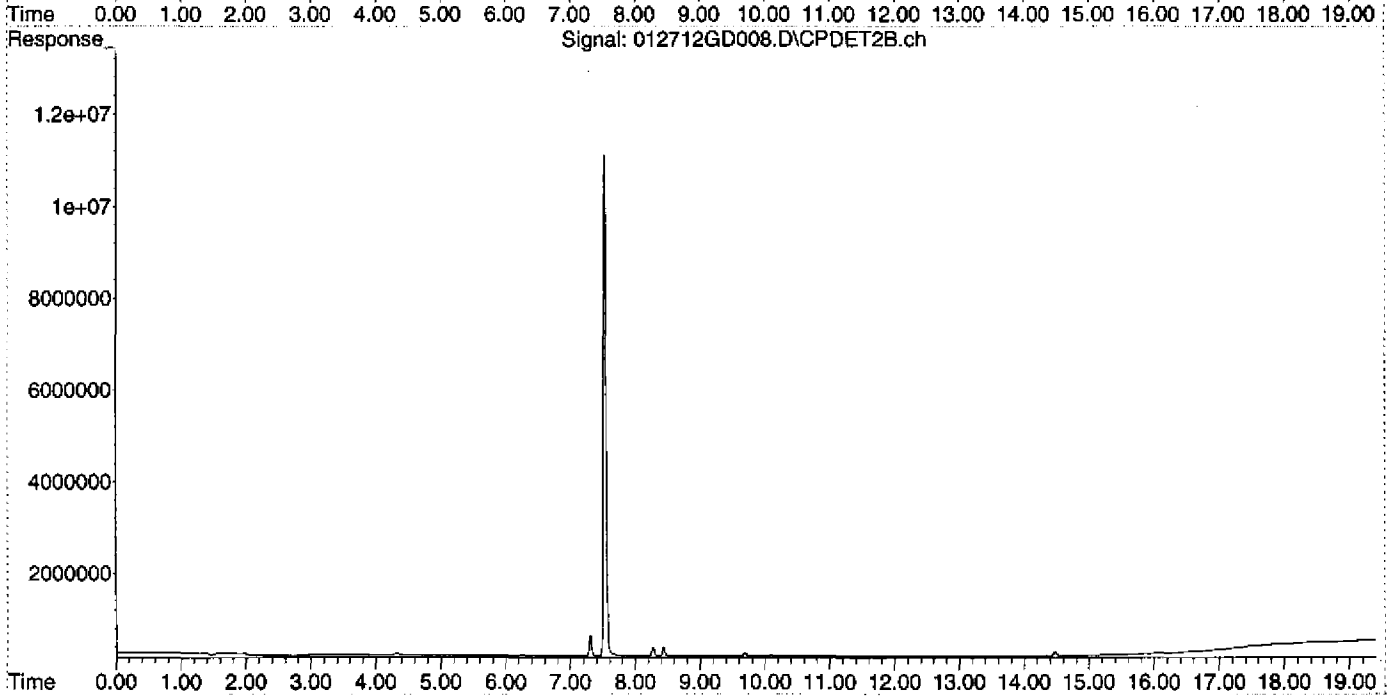
Quantitation Report (Not Reviewed)

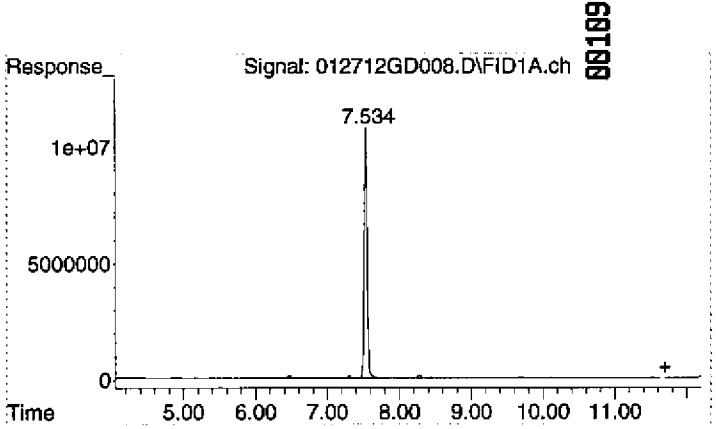
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 2:32 pm
Operator : YNB
Sample : 1201031-01
Misc : FB01,C, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 11843672
Conc: 5.32 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:00 pm
Operator : YNB
Sample : 1201031-02
Misc : FB02,C, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	307799971	128.035 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 102.43%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	10853638	4.875 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

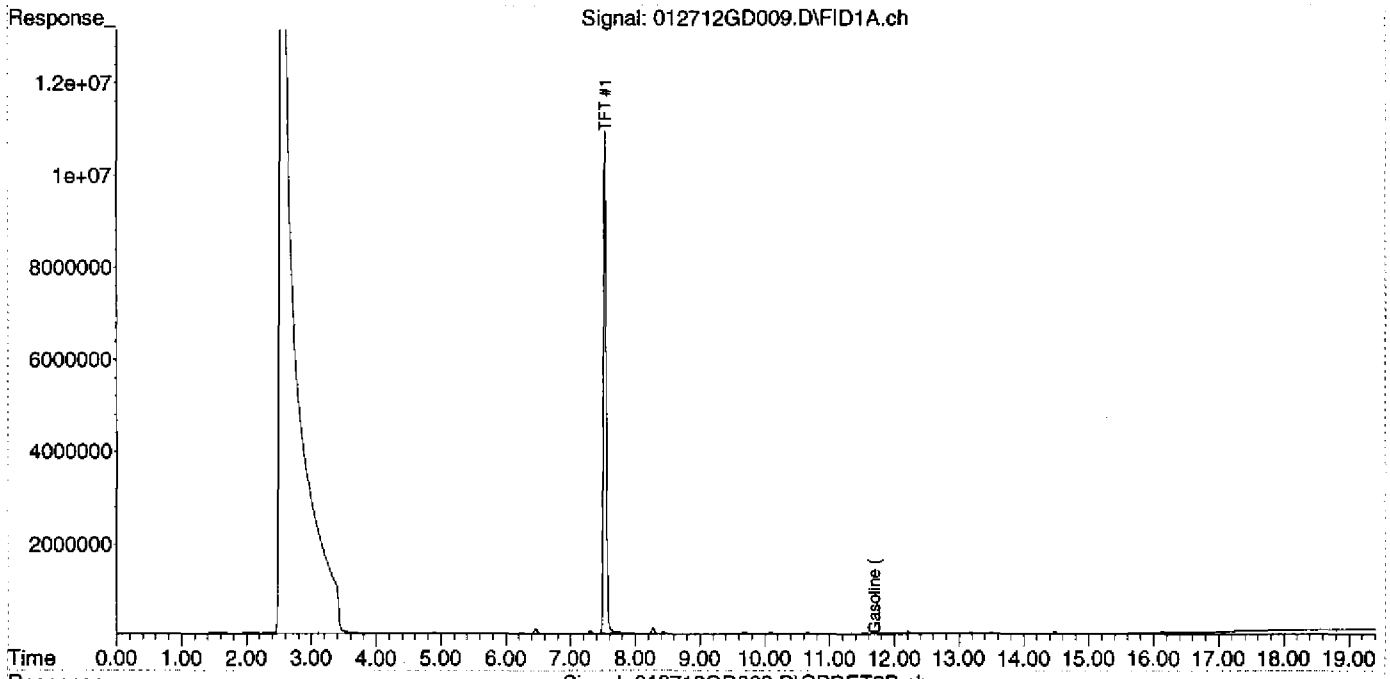
DIM0276390 DIM0276500

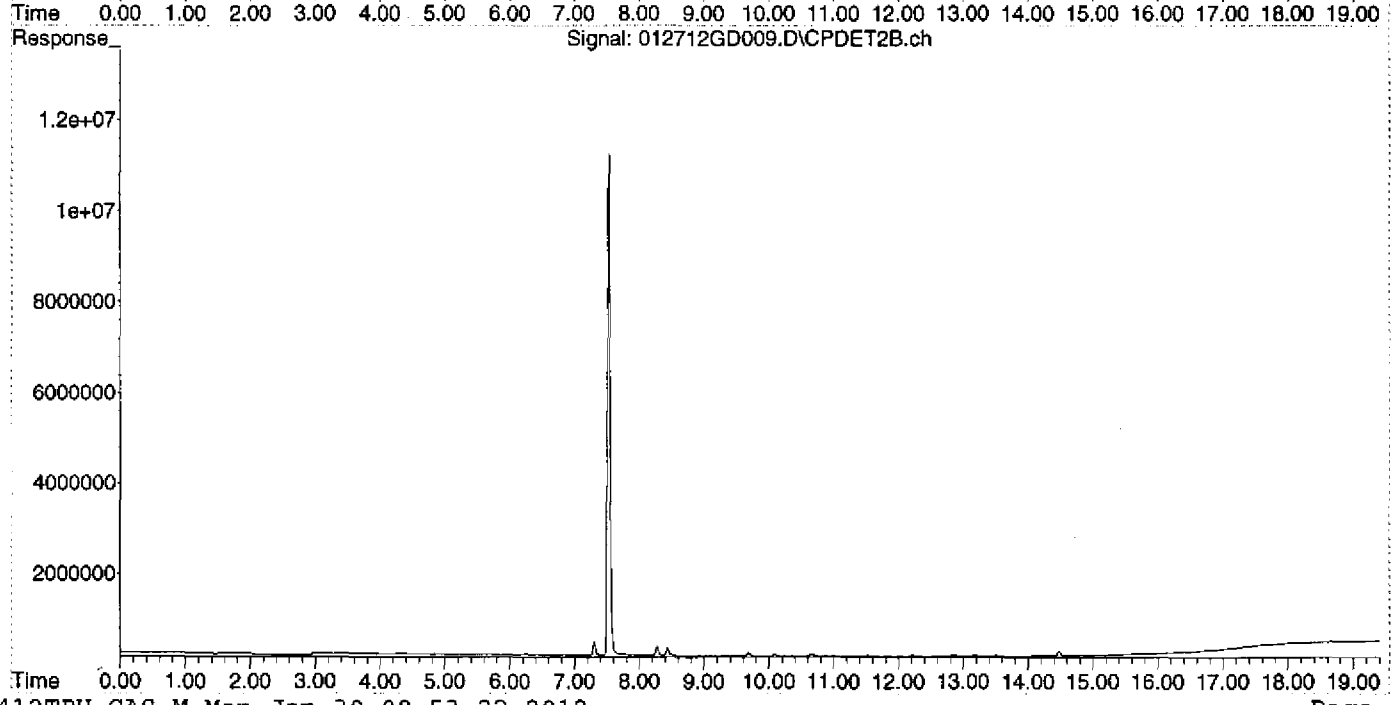
Quantitation Report (Not Reviewed)

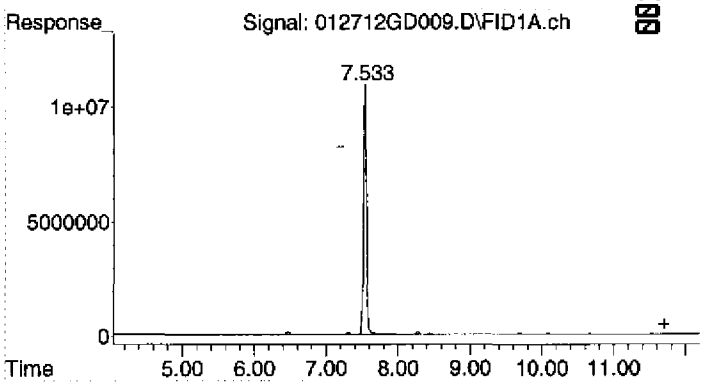
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:00 pm
Operator : YNB
Sample : 1201031-02
Misc : FB02,C, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 10853638
Conc: 4.87 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:28 pm
Operator : YNB
Sample : 1201031-03
Misc : HW04,D, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:25 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	307751917	128.015 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.41%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1587830	0.713 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

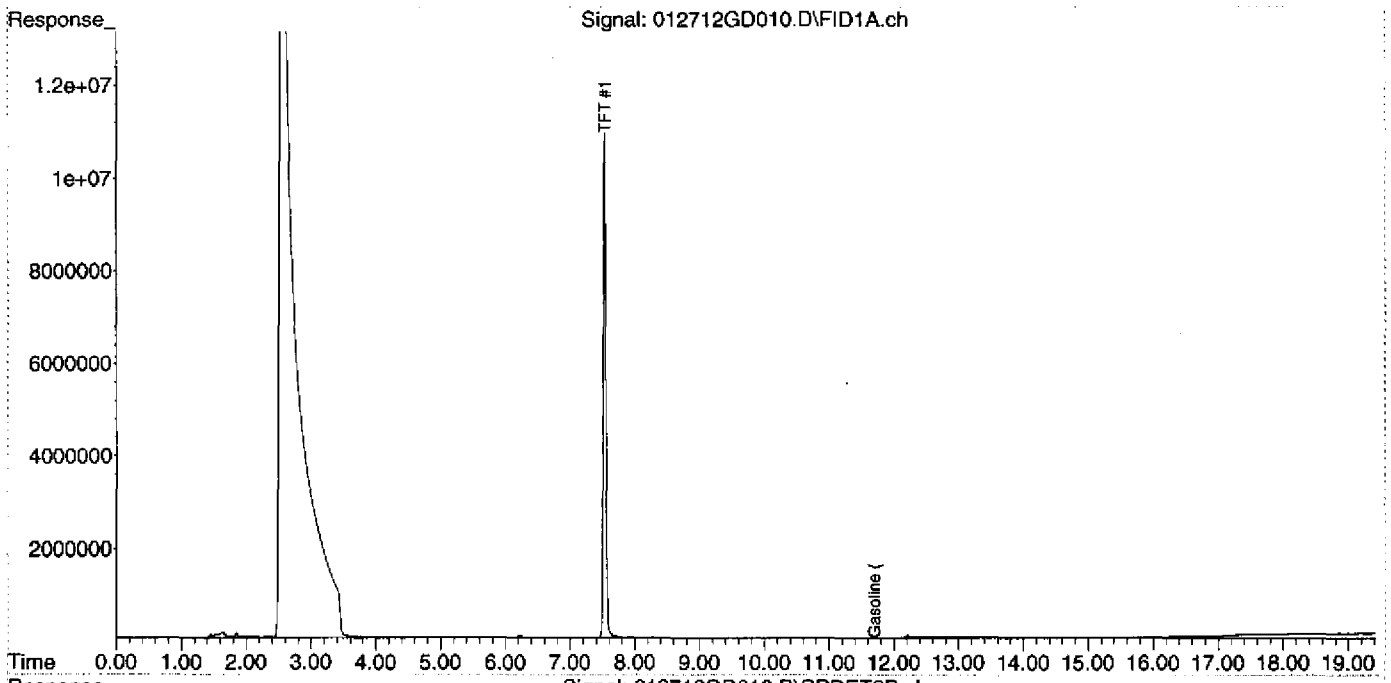
DIM0276390 DIM0276503

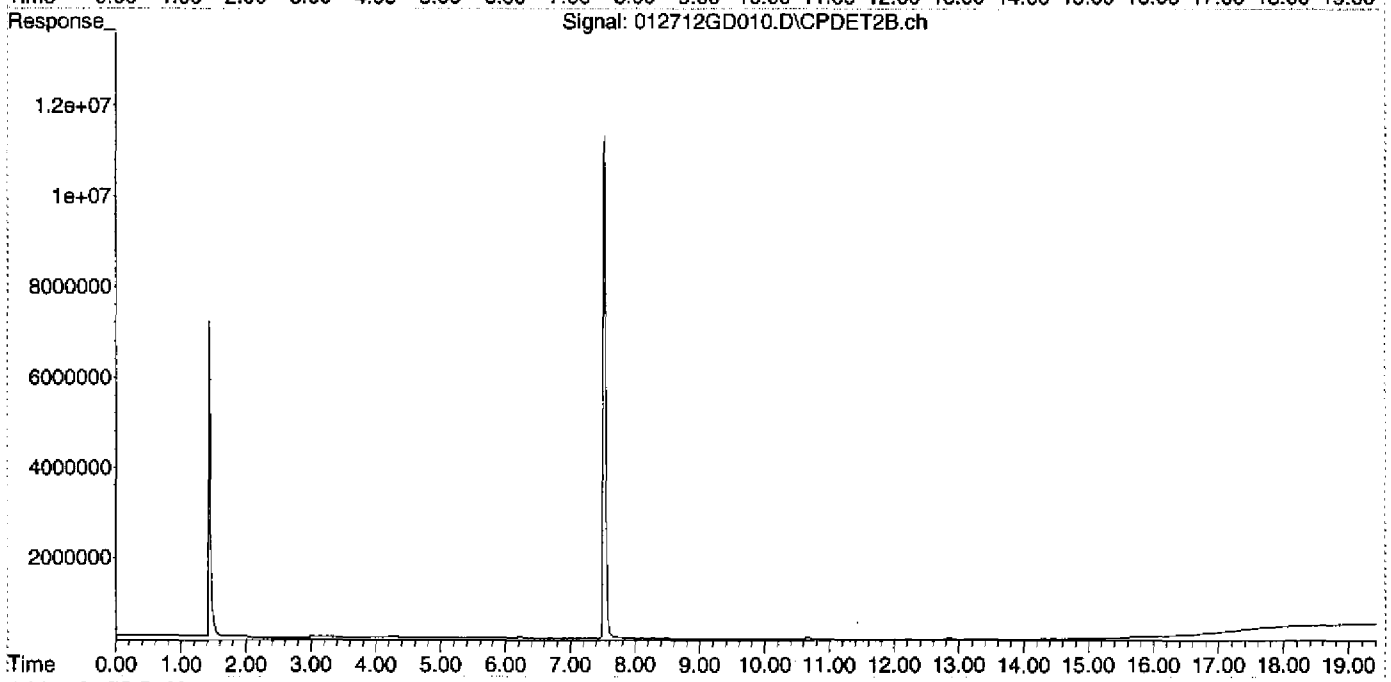
Quantitation Report (Not Reviewed)

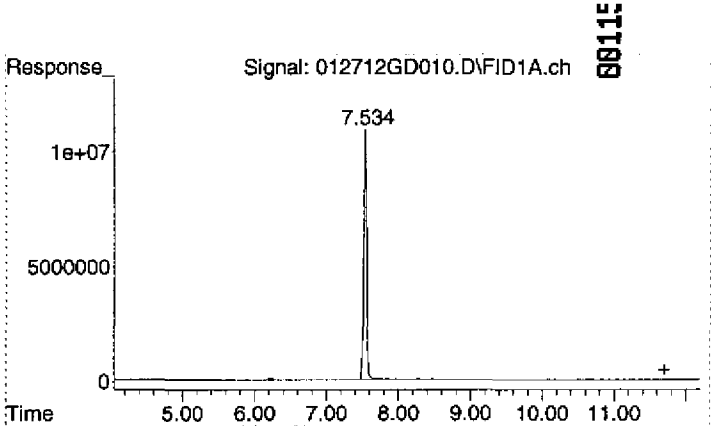
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:28 pm
Operator : YNB
Sample : 1201031-03
Misc : HW04,D, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:25 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	1587830
Conc:	0.71 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:56 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:30 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	300211795	124.878 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.90%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	5819031	2.614 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

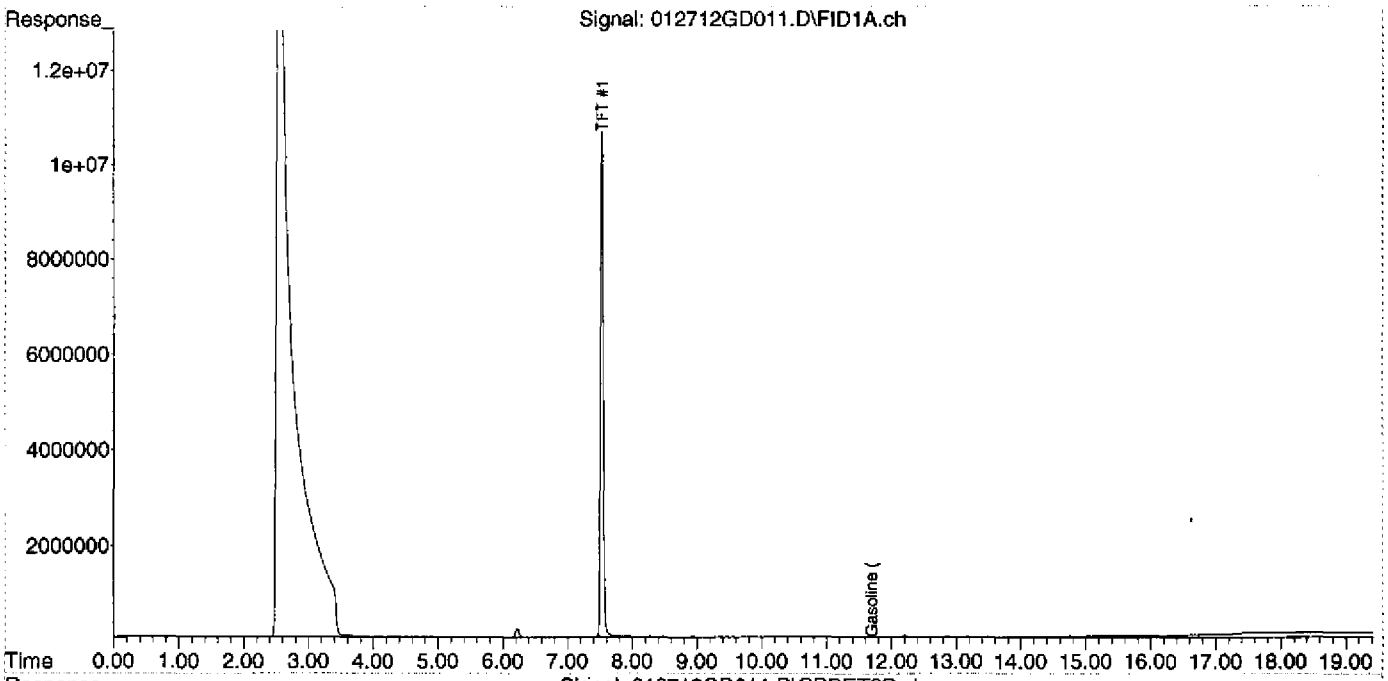
DIM0276390 DIM0276506

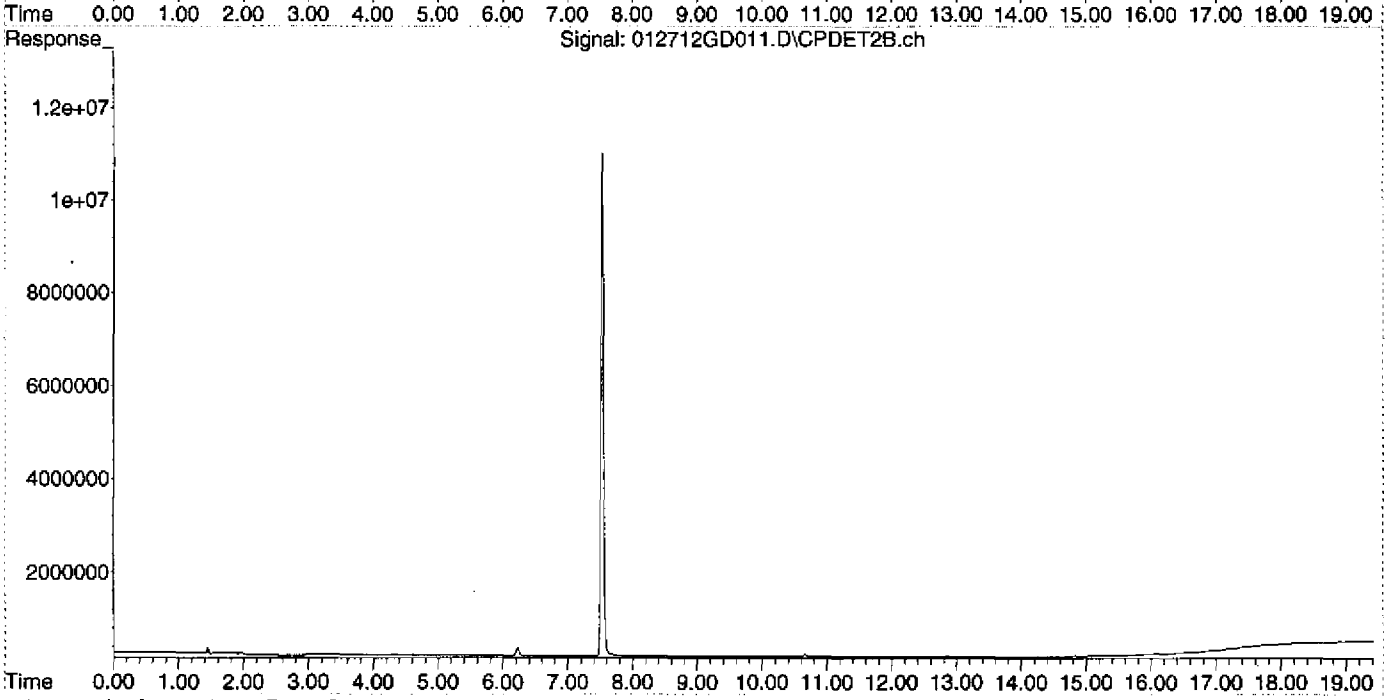
Quantitation Report (Not Reviewed)

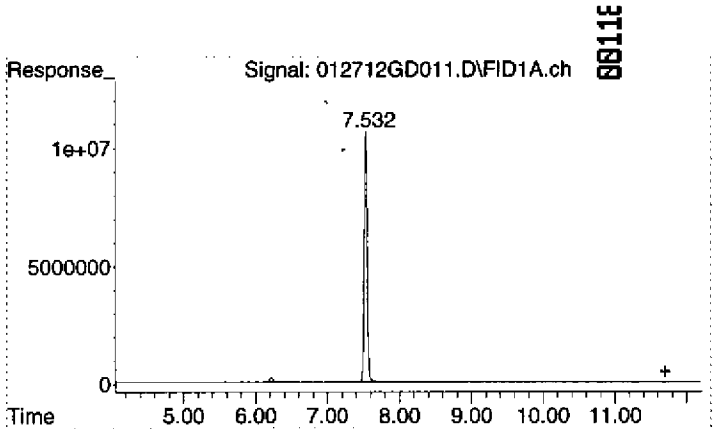
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 3:56 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:30 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	5819031
Conc:	2.61 ug/L

Quantitation Report (Not Reviewed)

00119

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 4:24 pm
Operator : YNB
Sample : 1201031-04
Misc : HW19,D, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:35 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.531	299864762	124.734 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.79%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

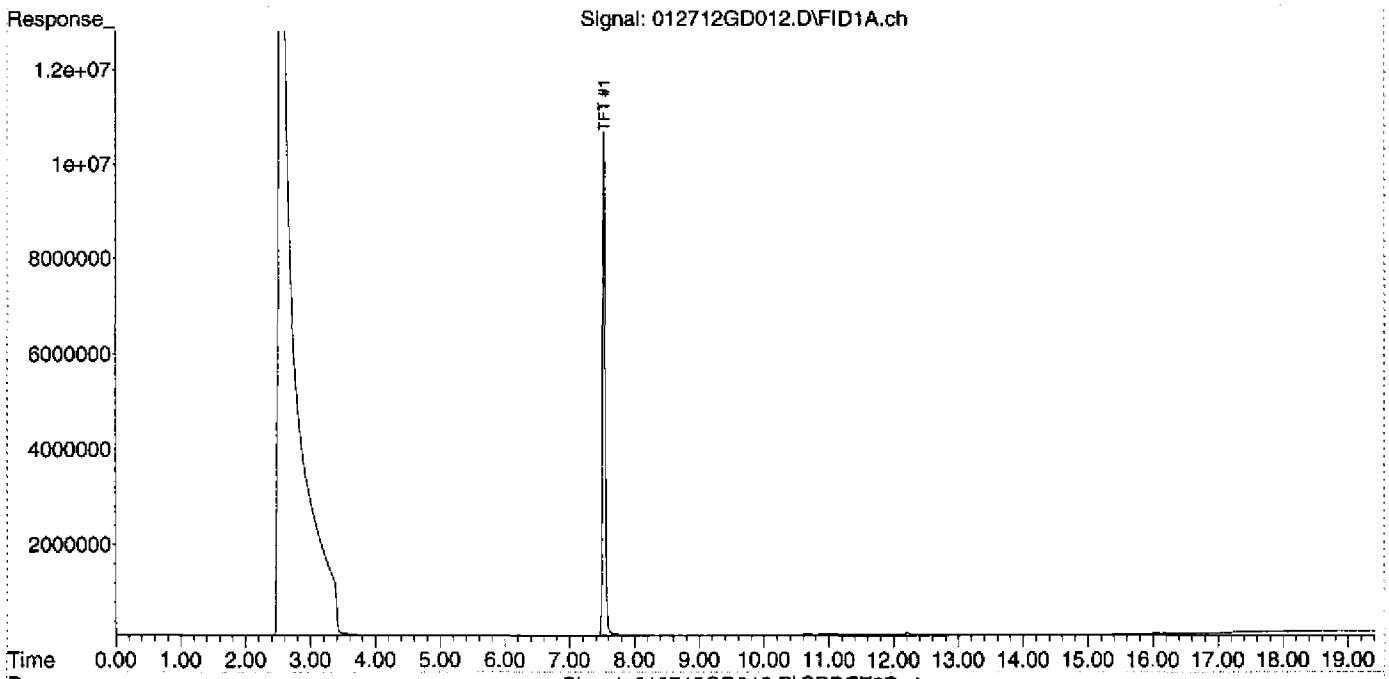
(f)=RT Delta > 1/2 Window (m)=manual int.

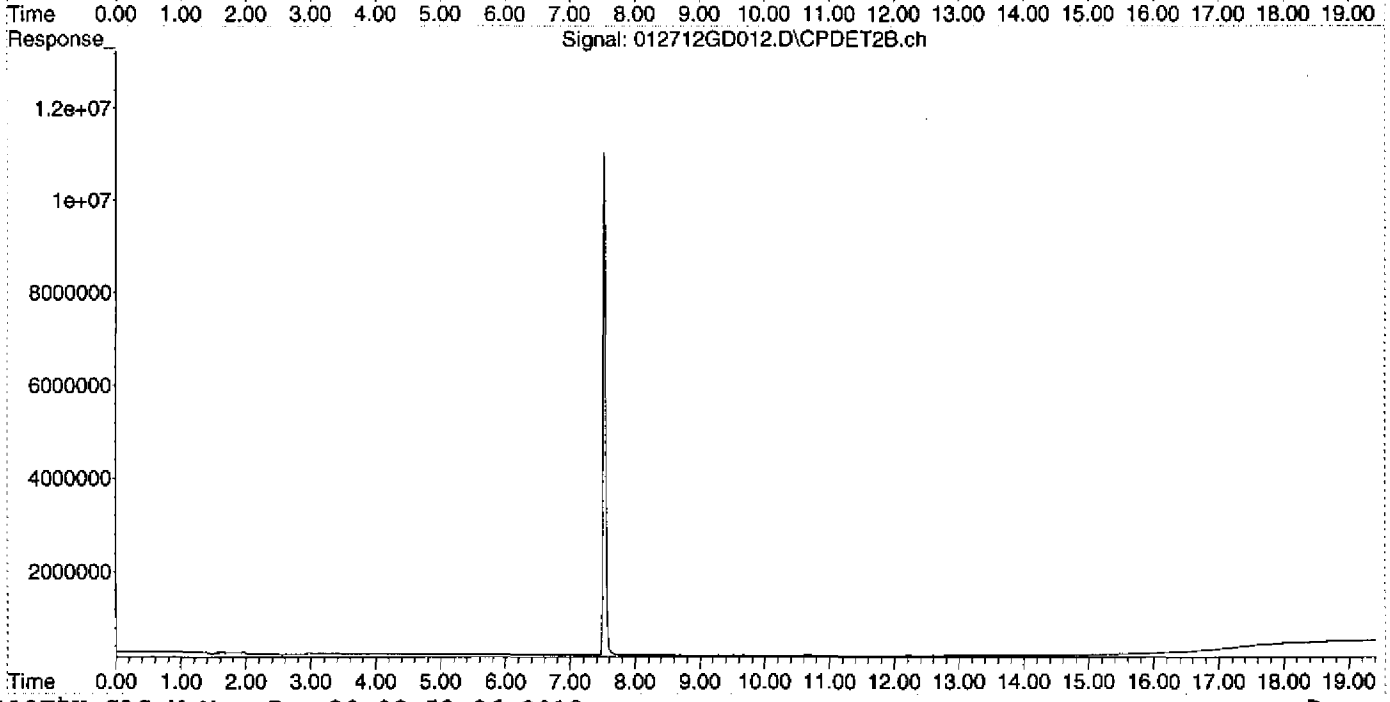
Quantitation Report (Not Reviewed)

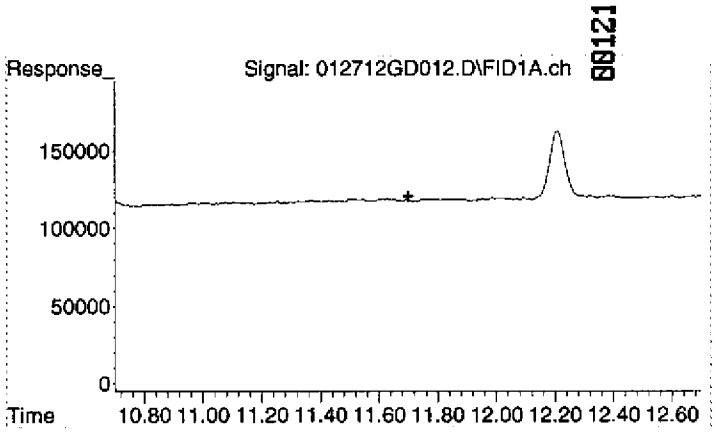
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 4:24 pm
Operator : YNB
Sample : 1201031-04
Misc : HW19,D, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:35 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 4:53 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:39 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	293753760	122.192 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 97.75%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	733088	0.329 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

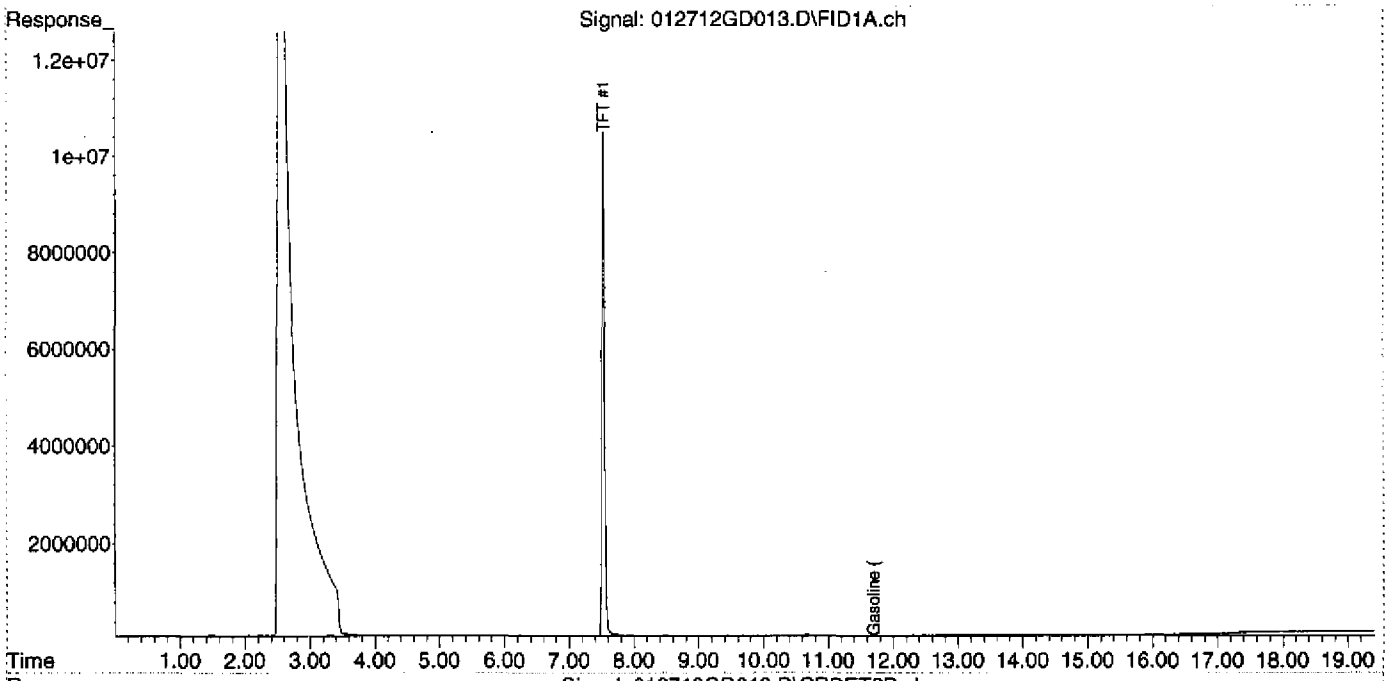
DIM0276390 DIM0276512

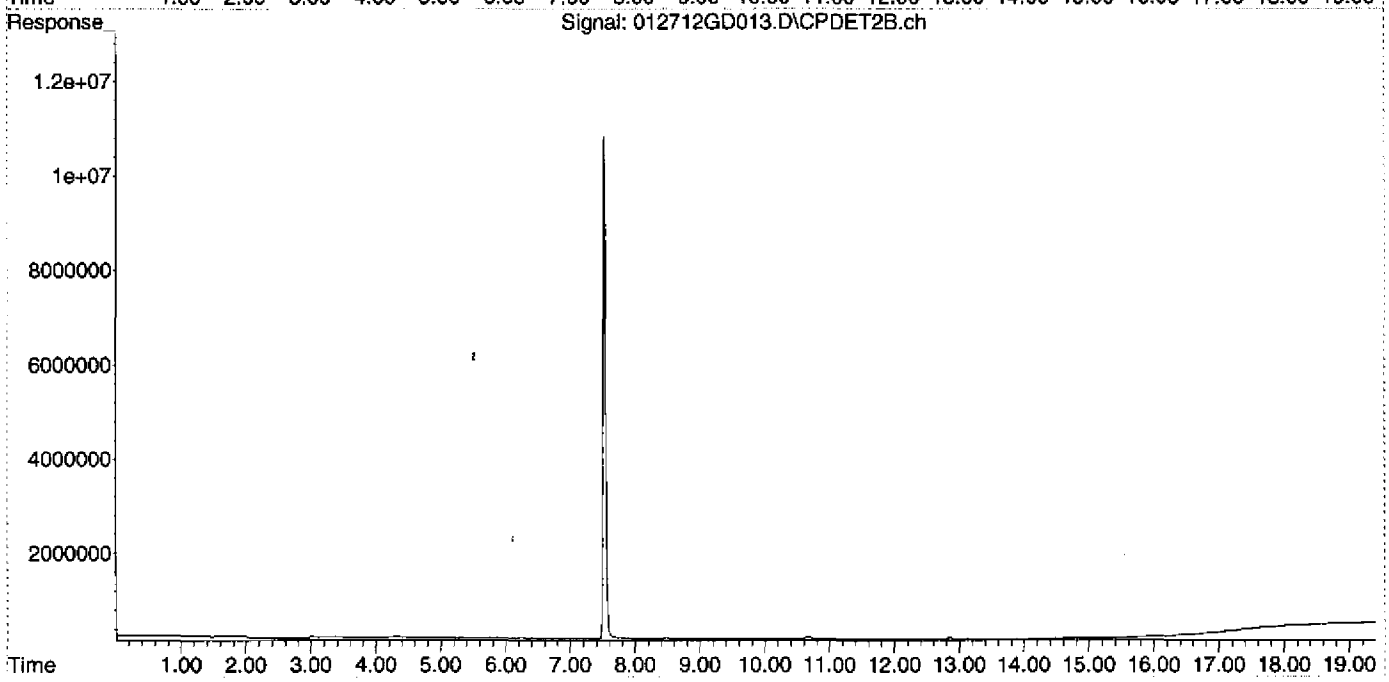
Quantitation Report (Not Reviewed)

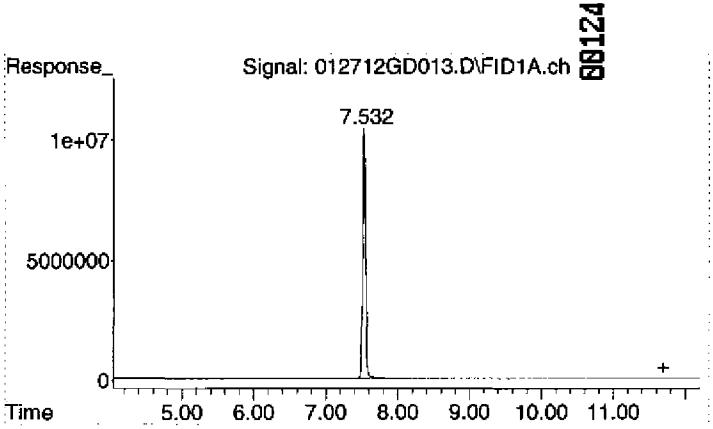
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 4:53 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:39 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	733088
Conc:	0.33 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 5:22 pm
Operator : YNB
Sample : 1201031-05
Misc : HW19-P,D, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:44 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	303798602	126.370 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.10%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1493383	0.671 ug/L

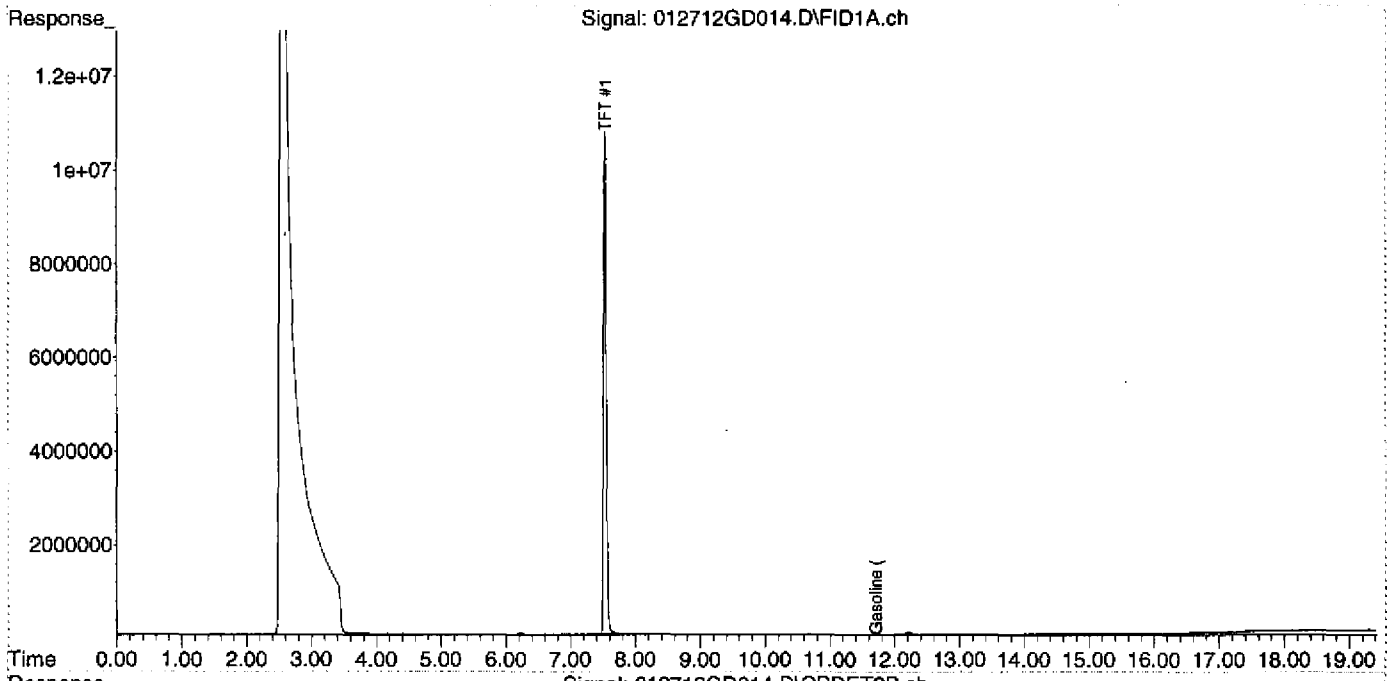
(f)=RT Delta > 1/2 Window (m)=manual int.

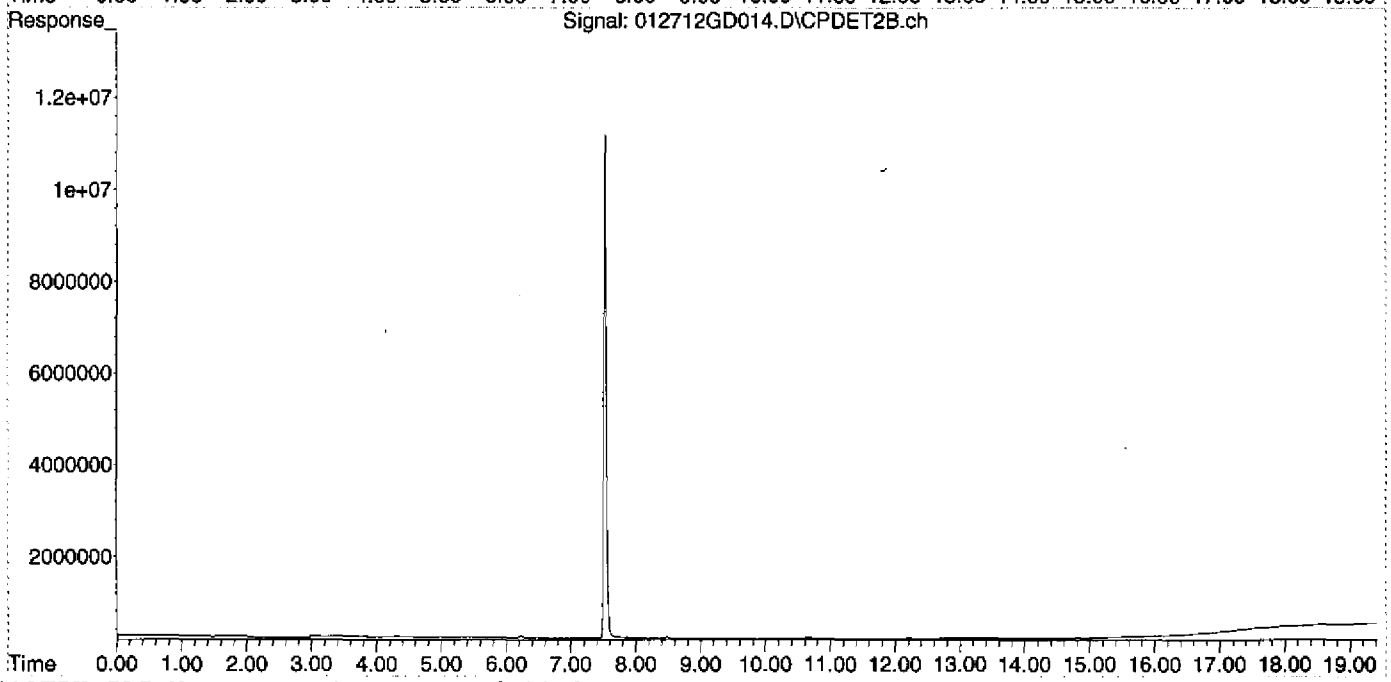
Quantitation Report (Not Reviewed)

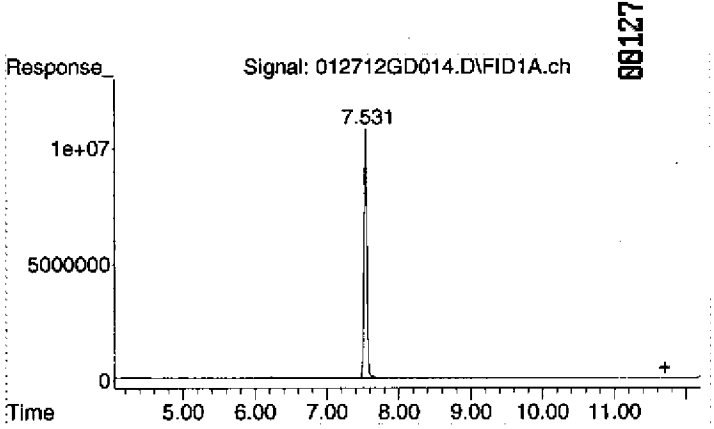
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 5:22 pm
Operator : YNB
Sample : 1201031-05
Misc : HW19-P,D, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:44 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	1493383
Conc:	0.67 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 5:50 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:49 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	305654679	127.143 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.71%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	739313	0.332 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

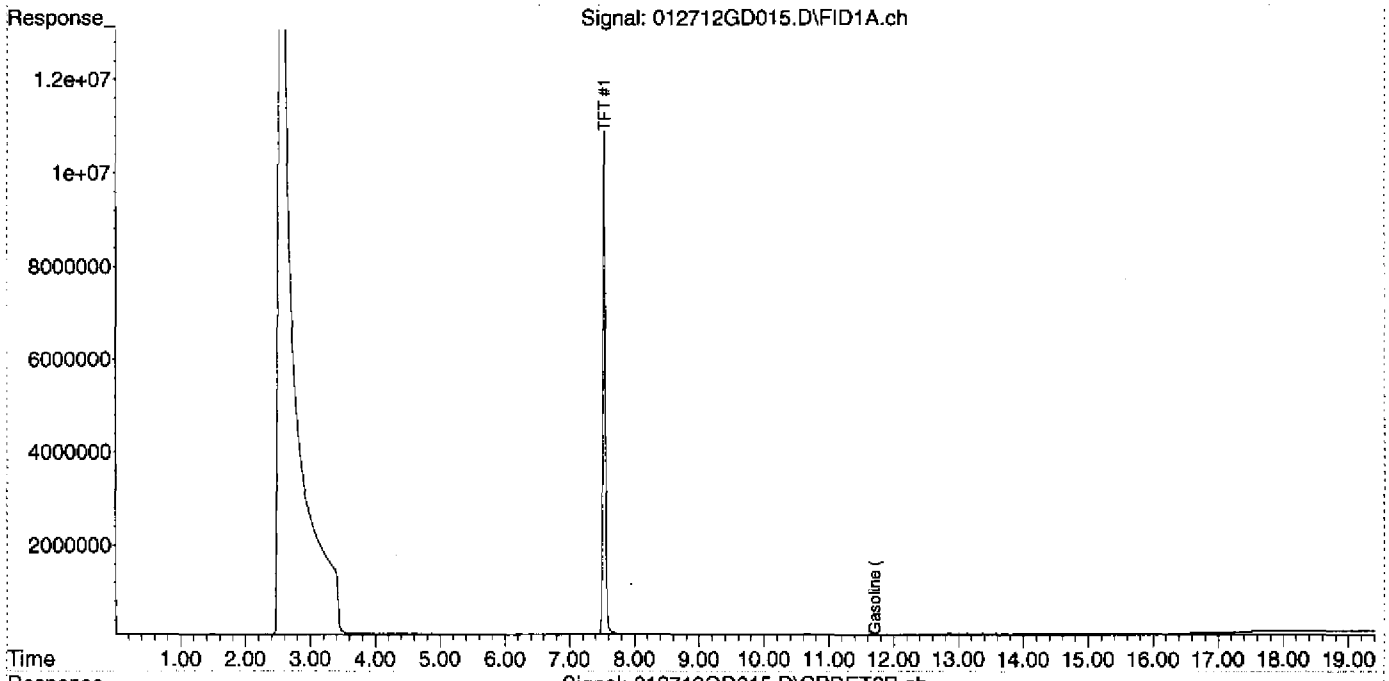
DIM0276390 DIM0276518

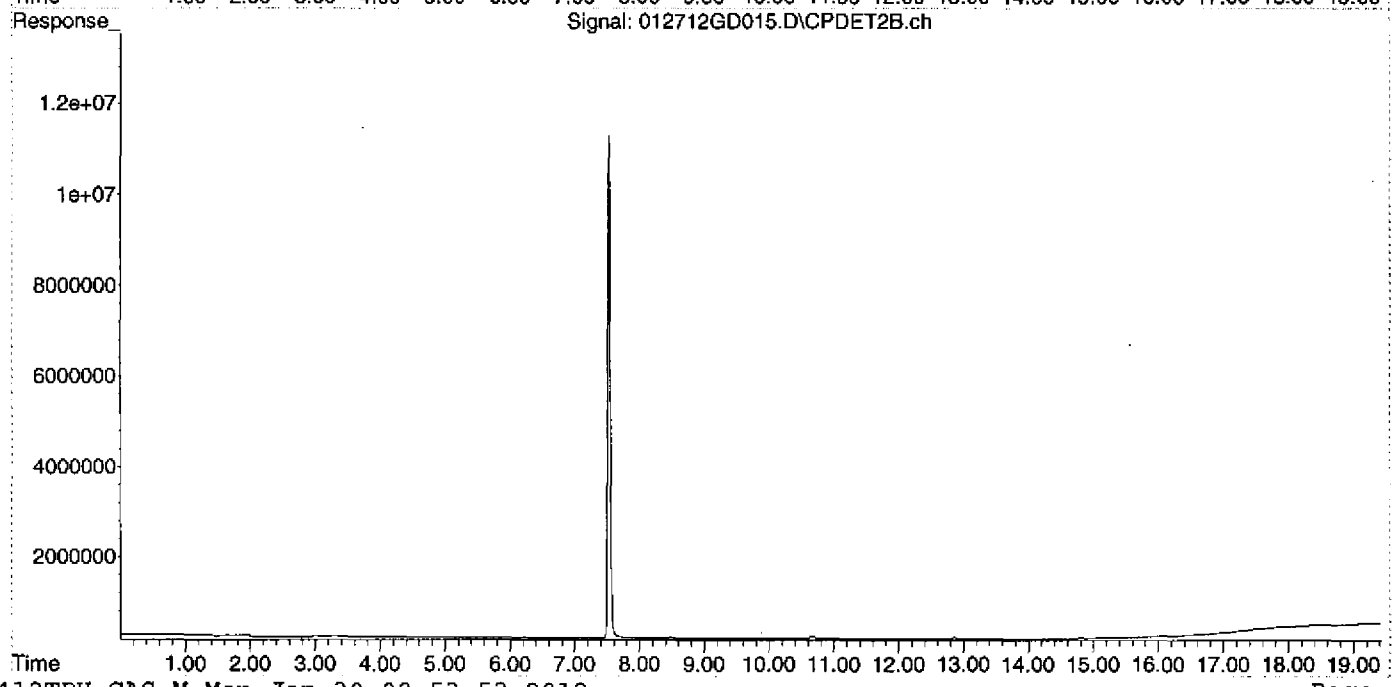
Quantitation Report (Not Reviewed)

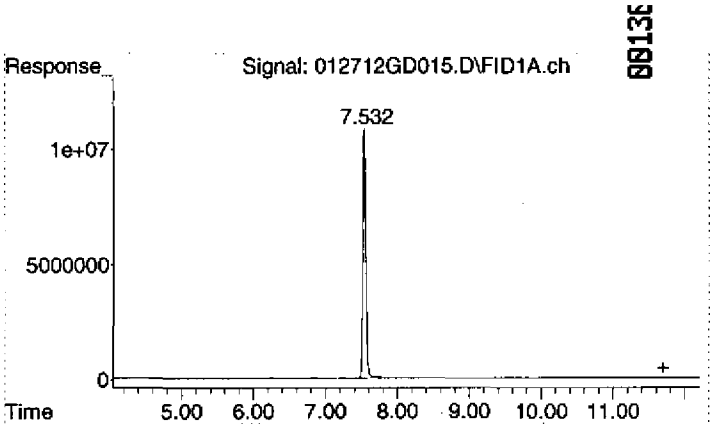
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 5:50 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:49 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	739313
Conc:	0.33 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 6:18 pm
Operator : YNB
Sample : 2010043-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:54 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.03min
Max. RRF Dev : 15% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	HRM Gasoline (TPH) #1	2.226	2.172 E6	2.4	93	0.00
2	S TFT #1	2.404	2.497 E6	-3.9	104	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

ok
YNB
01.30.12

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 6:18 pm
Operator : YNB
Sample : 2010043-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:54 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	312121727	129.833 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 103.87%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1086001262	487.768 ug/L

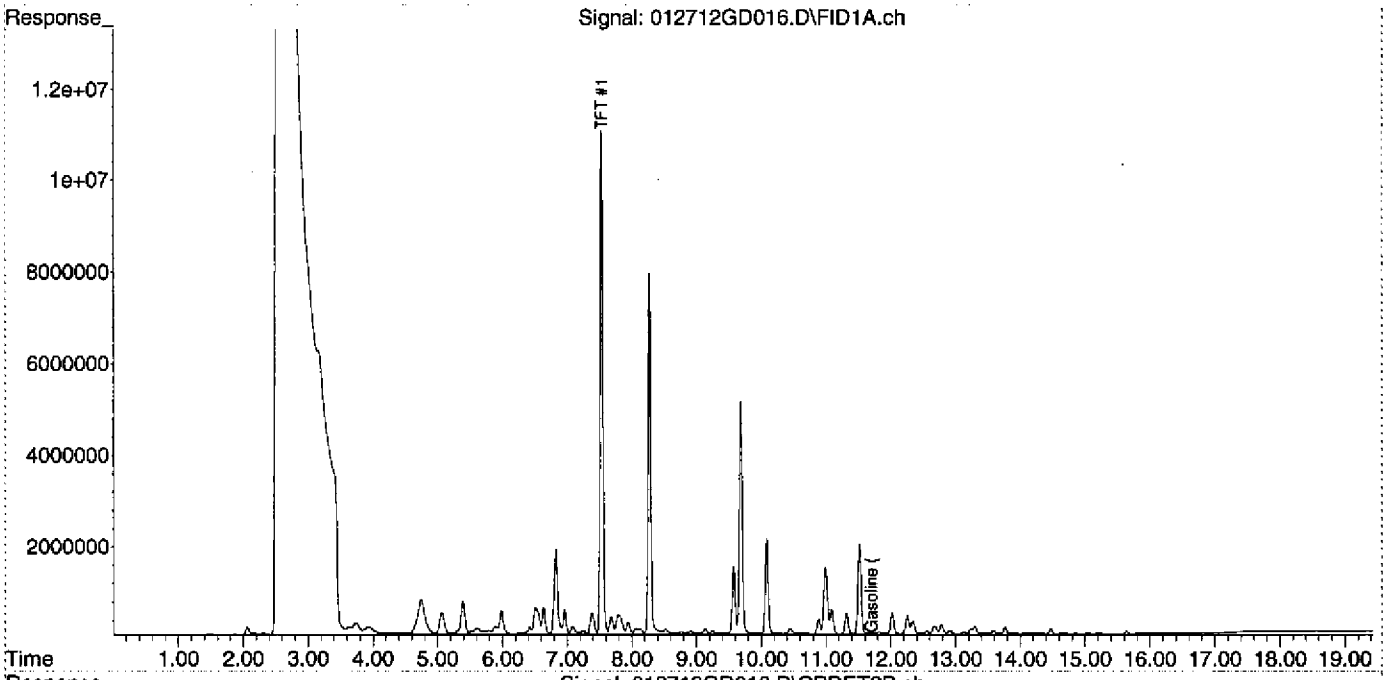
(f)=RT Delta > 1/2 Window (m)=manual int.

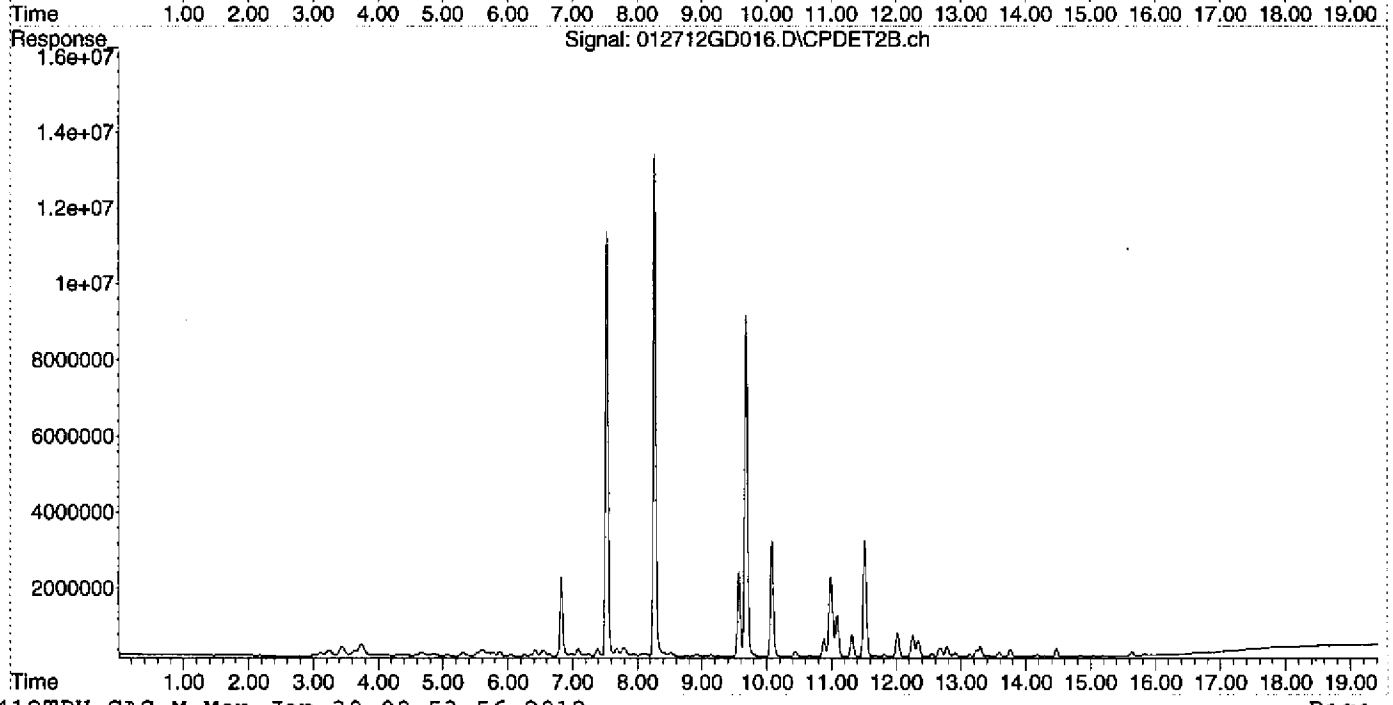
Quantitation Report (Not Reviewed)

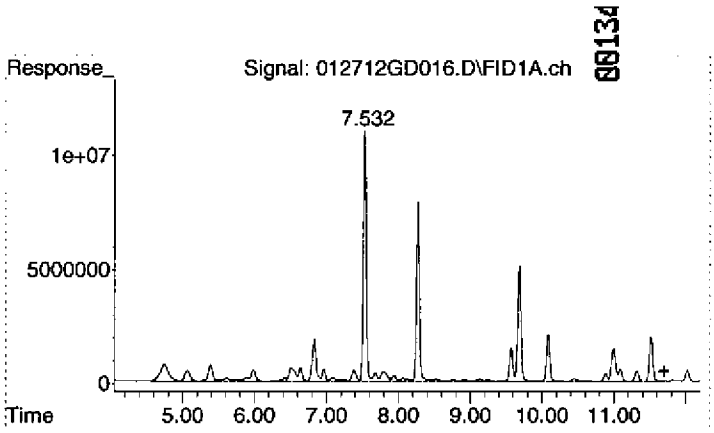
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 6:18 pm
Operator : YNB
Sample : 2010043-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:54 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1086001262
Conc: 487.77 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 6:46 pm
Operator : YNB
Sample : 2010043-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:59 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	301000778	125.207 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 100.17%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1134418940	509.514 ug/L

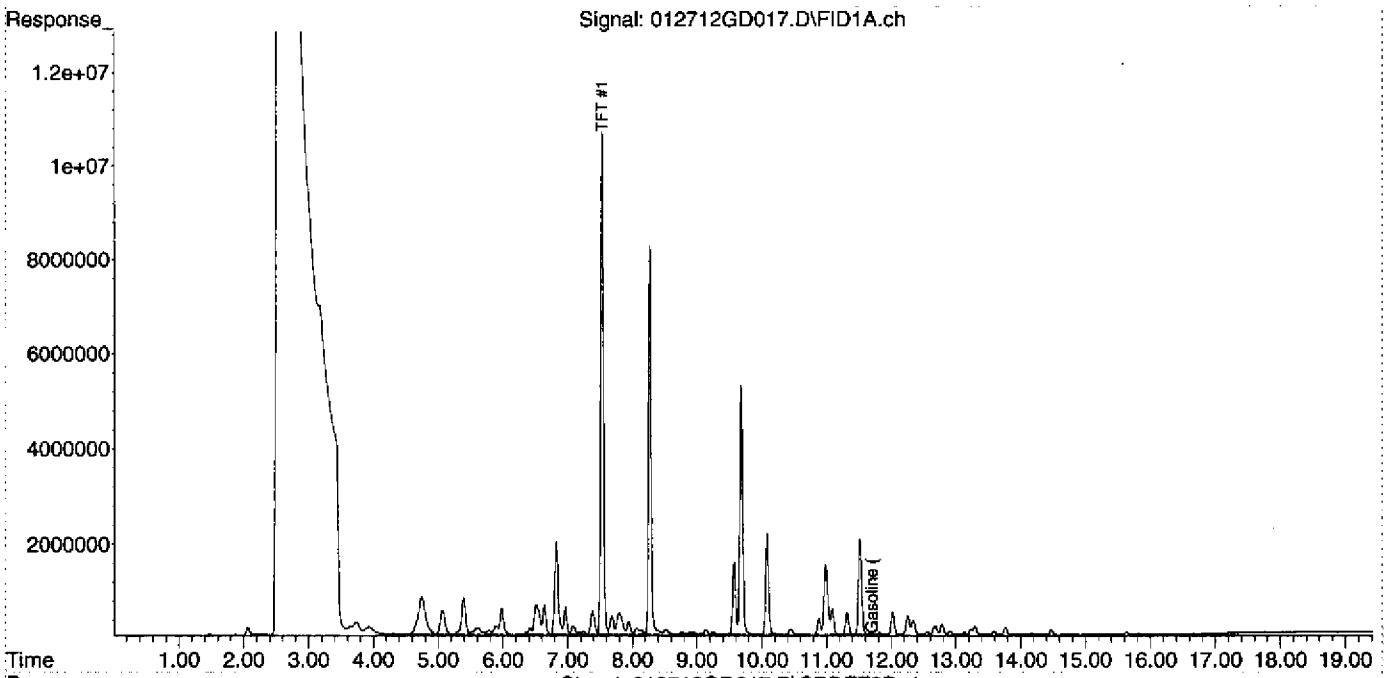
(f)=RT Delta > 1/2 Window (m)=manual int.

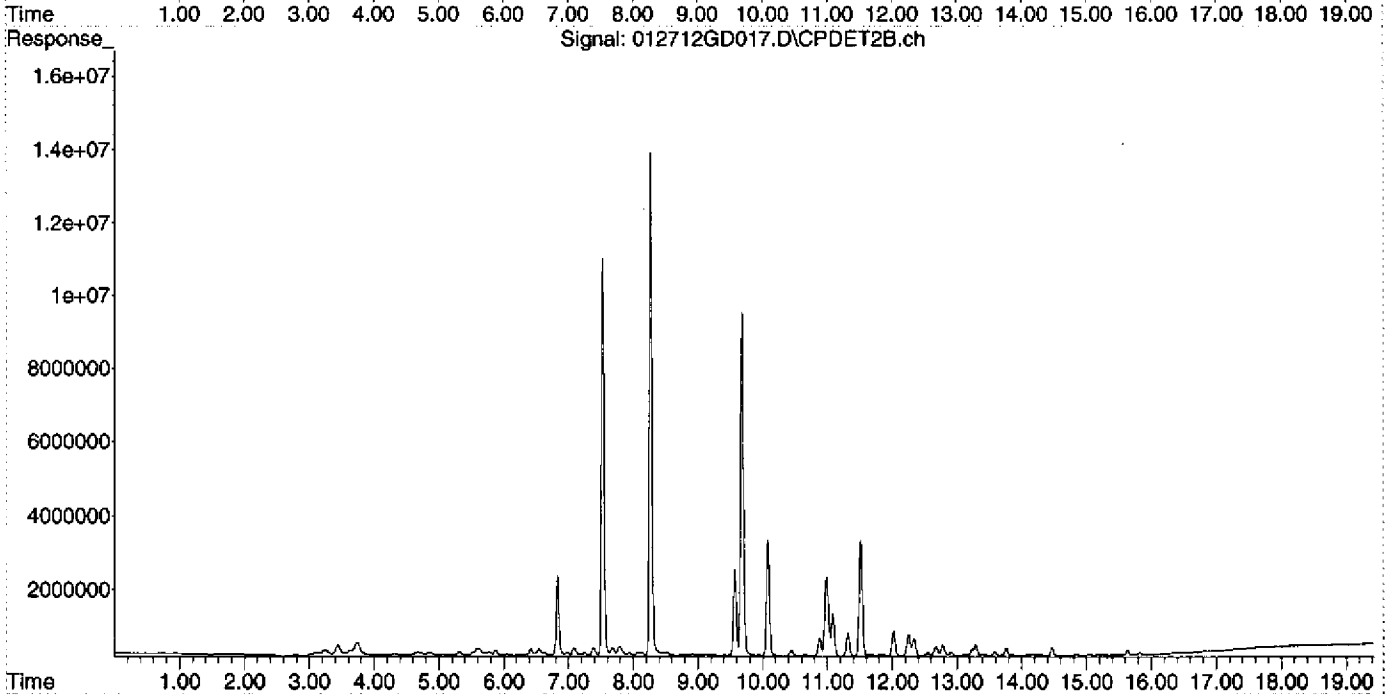
Quantitation Report (Not Reviewed)

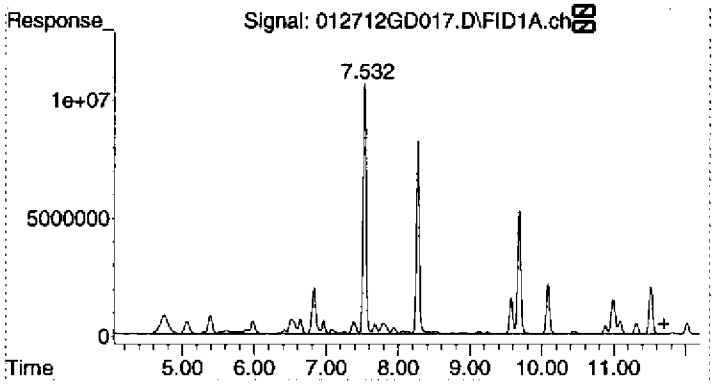
Data Path : D:\MSDCHEM\2012\data\012712\
Data File : 012712GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 27 Jan 2012 6:46 pm
Operator : YNB
Sample : 2010043-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 08:53:59 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1134418940
Conc: 509.51 ug/L

00138

SDG: R33911 / 12027B

Instrument: AG 5975D

Analysis Date: 01.30.12

SAMPLE DATA

G:\USER\ESAT\1 Organic Group\Forms\DataPackageSeparators.doc

: 00122

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\013012\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	013012GD001.D	1	2010048-IBL1	2A24003, IB	30 Jan 2012 10:32 am
2	013012GD002.D	1	2010048-CCV1	500ug/L, 1J17001, WATER	30 Jan 2012 11:01 am
3	013012GD003.D	1	2010048-LCV1	50ug/L, 1J17001, WATER	30 Jan 2012 11:29 am
4	013012GD004.D	1	B2A0072-BLK1	BLANK, WATER	30 Jan 2012 11:57 am
5	013012GD005.D	1	B2A0072-BS1	500ug/L, 1J17001, WATER	30 Jan 2012 12:26 pm
6	013012GD006.D	1	1201034-09	FB05,C, WATER	30 Jan 2012 12:54 pm
7	013012GD007.D	1	1201033-01	FB03,E, WATER	30 Jan 2012 1:22 pm
8	013012GD008.D	1	B2A0072-DUP1	FB03,F, WATER	30 Jan 2012 1:50 pm
9	013012GD009.D	1	1201033-02	HW02,E, WATER	30 Jan 2012 2:19 pm
10	013012GD010.D	1	1201033-03	HW02z,F, WATER	30 Jan 2012 2:47 pm
11	013012GD011.D	1	1201033-04	HW08a,E, WATER	30 Jan 2012 3:15 pm
12	013012GD012.D	1	1201034-01	FB04,C, WATER	30 Jan 2012 3:44 pm
13	013012GD013.D	1	B2A0072-DUP2	FB04,D, WATER	30 Jan 2012 4:12 pm
14	013012GD014.D	1	1201034-02	HW05,C, WATER	30 Jan 2012 4:40 pm
15	013012GD015.D	1	1201034-03	HW06,D, WATER	30 Jan 2012 5:08 pm
16	013012GD016.D	1	1201034-04	HW12,D, WATER	30 Jan 2012 5:36 pm
17	013012GD017.D	1	1201034-05	HW14-P,D, WATER	30 Jan 2012 6:05 pm
18	013012GD018.D	1	1201034-06	HW14,D, WATER	30 Jan 2012 6:34 pm
19	013012GD019.D	1	1201034-10	HW01,D, WATER	30 Jan 2012 7:02 pm
20	013012GD020.D	1	1201034-11	HW24-p,D, WATER	30 Jan 2012 7:30 pm
21	013012GD021.D	1	1201034-15	HW17,D, WATER	30 Jan 2012 7:59 pm
22	013012GD022.D	1	1201034-16	HW24,C, WATER	30 Jan 2012 8:27 pm
23	013012GD023.D	1	2010048-SB1	SB 01/23/12, WATER	30 Jan 2012 8:55 pm
24	013012GD024.D	1	2010048-IBL2	BLANK, WATER	30 Jan 2012 9:23 pm
25	013012GD025.D	1	2010048-CCV2	500ug/L, 1J17001, WATER	30 Jan 2012 9:51 pm
26	013012GD026.D	1	2010048-CCV3	500ug/L, 1J17001, WATER	30 Jan 2012 10:20 pm

GC QA-QC Check Report

00148

Daily Calibration File : D:\MSDCHEM\2012\data\013012\013012GD002.D
Time Acquired : 30 Jan 2012 11:01 am

File	Sample	Surrogate Recovery %	Internal Standard Responses
013012GD003.D			
	2010048-LCV1	99	
013012GD004.D			
	B2A0072-BLK1	107	
013012GD005.D			
	B2A0072-BS1	112	
013012GD006.D			
	1201034-09	104	
013012GD007.D			
	1201033-01	98	
013012GD008.D			
	B2A0072-DUP1	104	
013012GD009.D			
	1201033-02	106	
013012GD010.D			
	1201033-03	104	
013012GD011.D			
	1201033-04	102	
013012GD012.D			
	1201034-01	103	
013012GD013.D			
	B2A0072-DUP2	103	
013012GD014.D			
	1201034-02	103	
013012GD015.D			
	1201034-03	106	
013012GD016.D			
	1201034-04	108	
013012GD017.D			
	1201034-05	104	
013012GD018.D			
	1201034-06	101	
013012GD019.D			
	1201034-10	103	
013012GD020.D			
	1201034-11	100	
013012GD021.D			
	1201034-15	103	
013012GD022.D			

00124

1201034-16 106

00141

013012GD023.D

2010048-SB1 106

(fails) - fails 12hr time check * - fails criteria

Created: Tue Jan 31 07:07:46 2012 GC-FID-PID

00125

Response Factor Report GC-FID-PID

Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

Calibration Files
G50 =012412GD005.D G100 =012412GD006.D G500 =012412GD007.D
G1K =012412GD008.D G2K =012412GD009.D

	Compound	G50	G100	G500	G1K	G2K	Avg		%RSD
1)	HRM Gasoline (TPH) #1	2.236	2.185	2.345	2.254	2.112	2.226	E6	3.86
2)	S TFT #1	2.396	2.250	2.397	2.483	2.494	2.404	E6	4.06

(#) = Out of Range

Quantitation Report (Not Reviewed)

00143

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 10:32 am
Operator : YNB
Sample : 2010048-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:07:23 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.522	310501770	129.159 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.33%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	16000120	7.186 ug/L

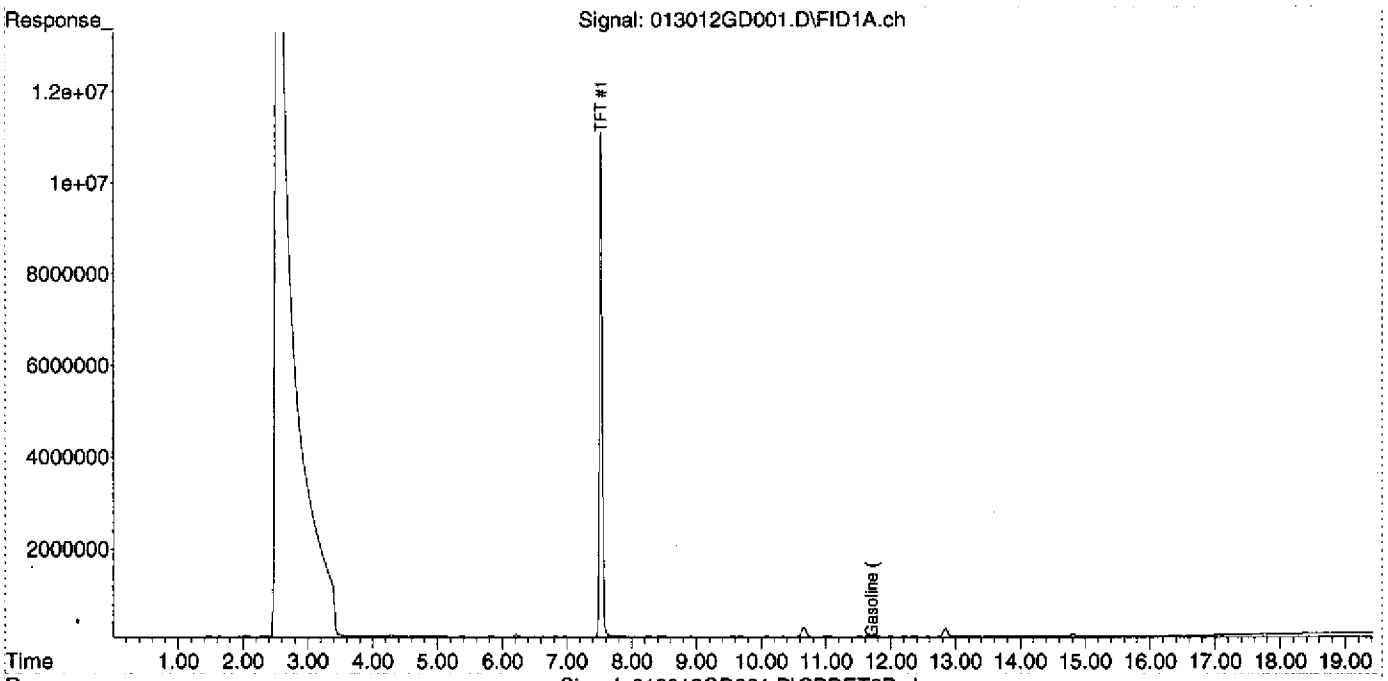
(f)=RT Delta > 1/2 Window (m)=manual int.

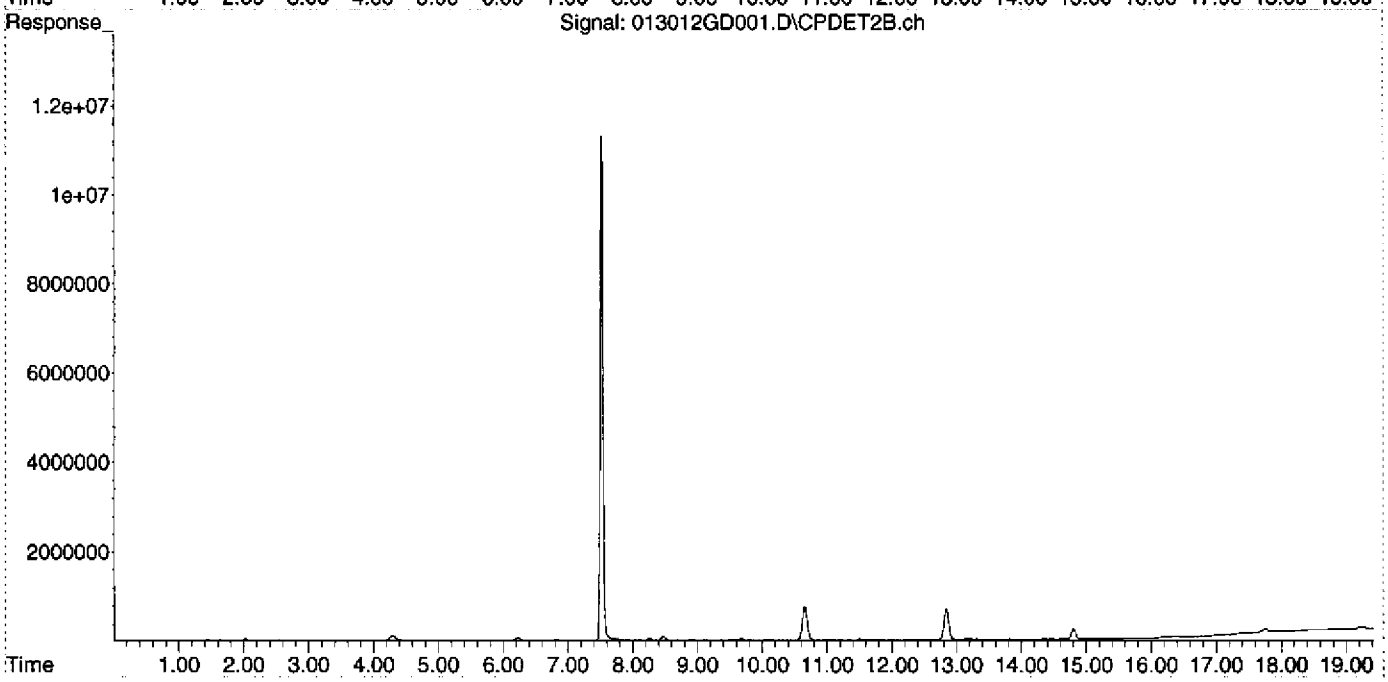
Quantitation Report (Not Reviewed)

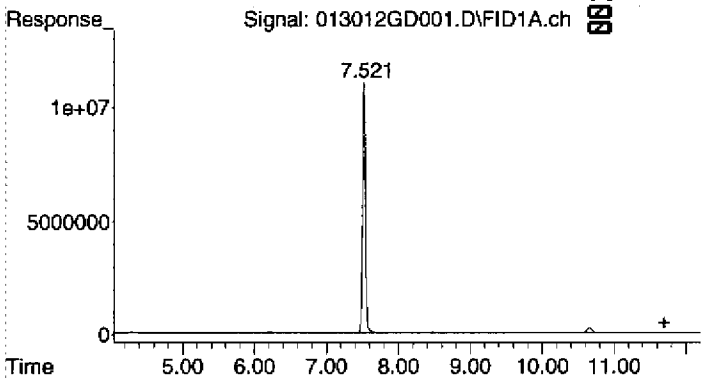
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 10:32 am
Operator : YNB
Sample : 2010048-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:07:23 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 16000120
Conc: 7.19 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:01 am
Operator : YNB
Sample : 2010048-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:25:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.03min
Max. RRF Dev : 15% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	HRM Gasoline (TPH) #1	2.226	2.291 E6	-2.9	98	0.00
2	S TFT #1	2.404	2.535 E6	-5.4	106	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

DIM0276390 DIM0276536

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:01 am
Operator : YNB
Sample : 2010048-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:25:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.529	316842053	131.796 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 105.44%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1145576955	514.526 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

$\frac{316842053}{2404000} = 131.798$

105.4%

YNB 01.31.12

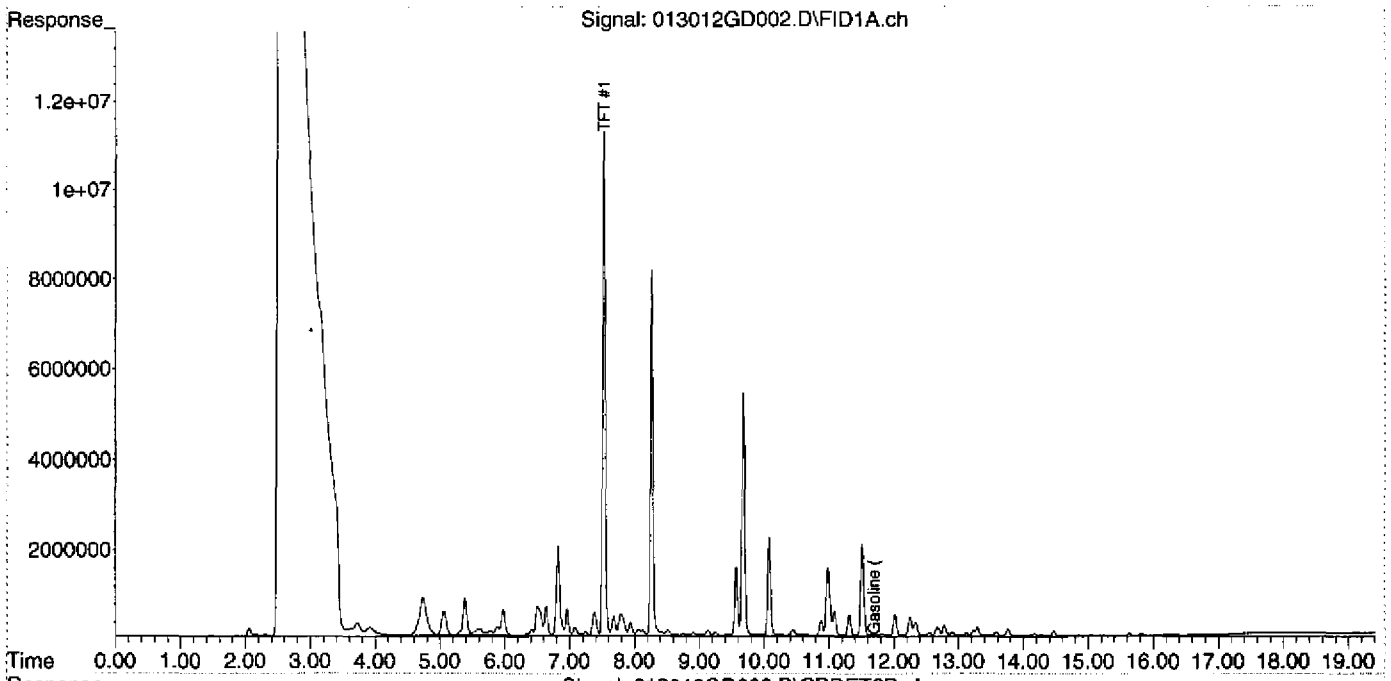
DIM0276390 DIM0276537

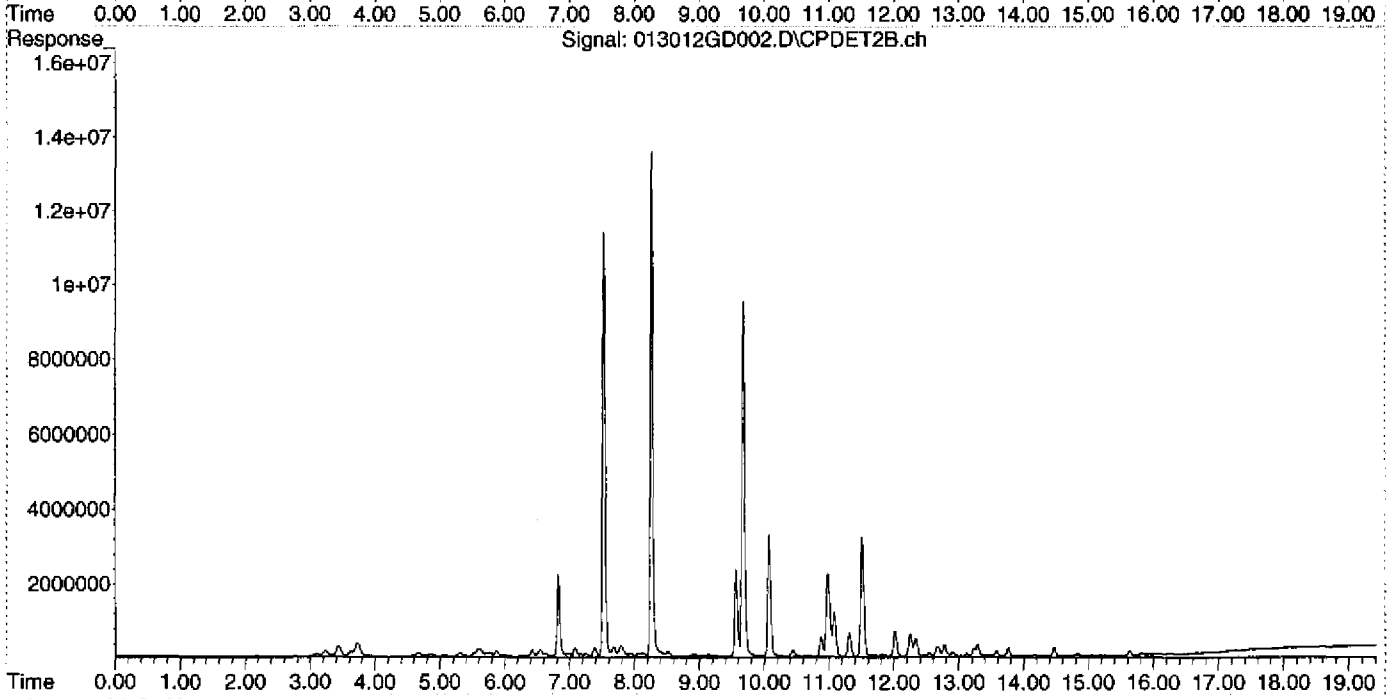
Quantitation Report (Not Reviewed)

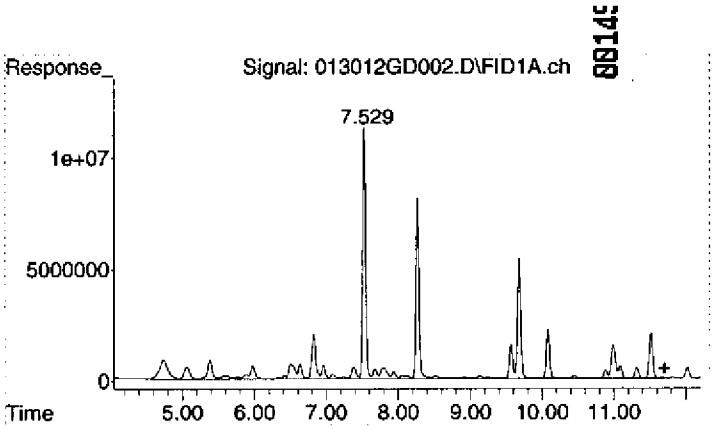
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:01 am
Operator : YNB
Sample : 2010048-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:25:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1145576955
Conc: 514.53 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:29 am
Operator : YNB
Sample : 2010048-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:59:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.531	298073035	123.989 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery =	99.19%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	109444753	49.156 ug/L

98.31%
60-140% limit
YNB
01.30.12

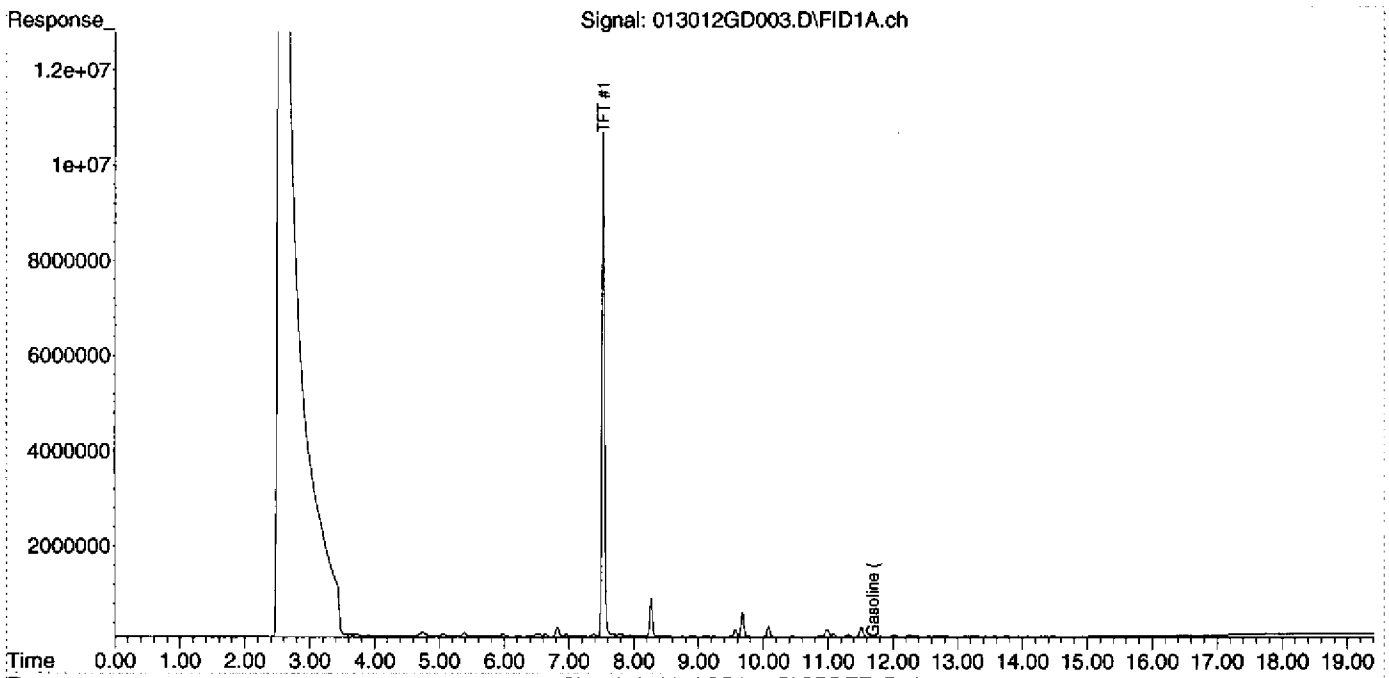
(f)=RT Delta > 1/2 Window (m)=manual int.

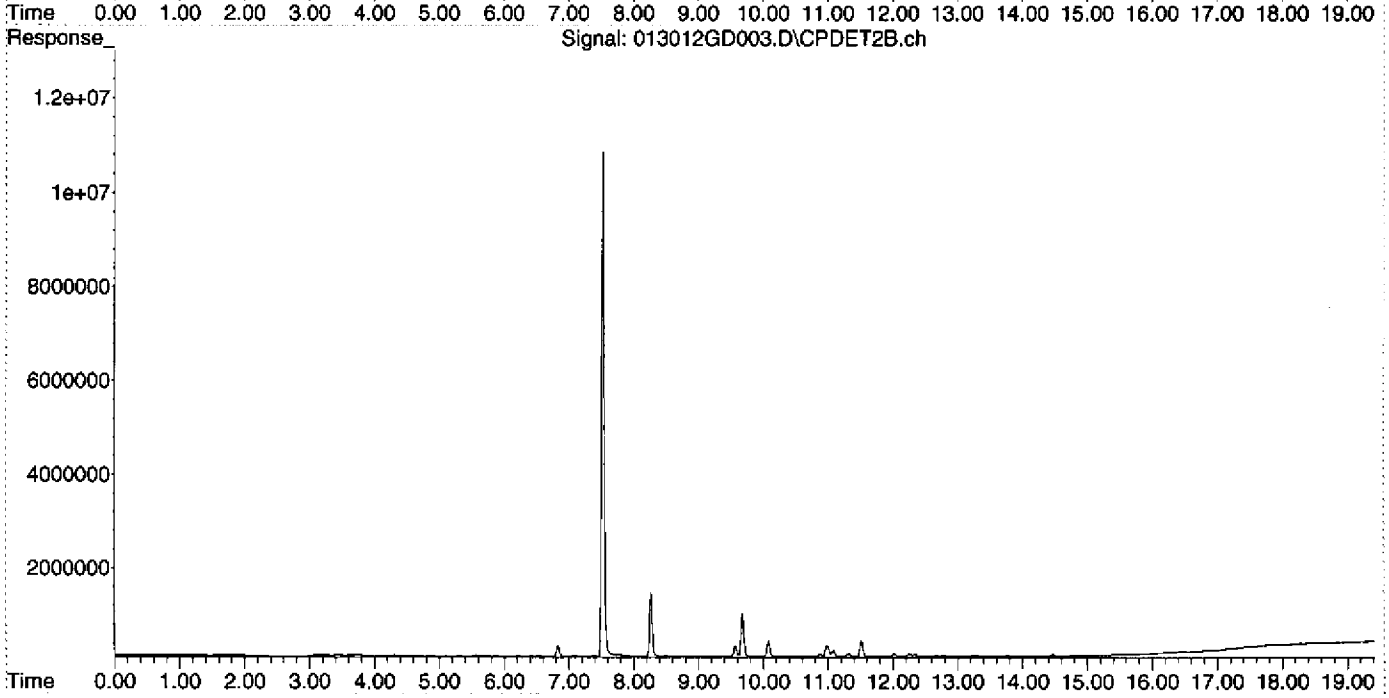
Quantitation Report (Not Reviewed)

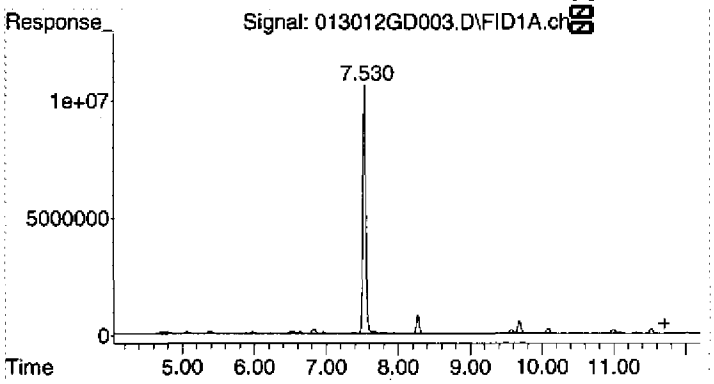
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:29 am
Operator : YNB
Sample : 2010048-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 11:59:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 109444753
Conc: 49.16 ug/L

Quantitation Report (Not Reviewed)

00153

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:57 am
Operator : YNB
Sample : B2A0072-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 12:37:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S TFT #1	7.533	322689147	134.228	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 107.38%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

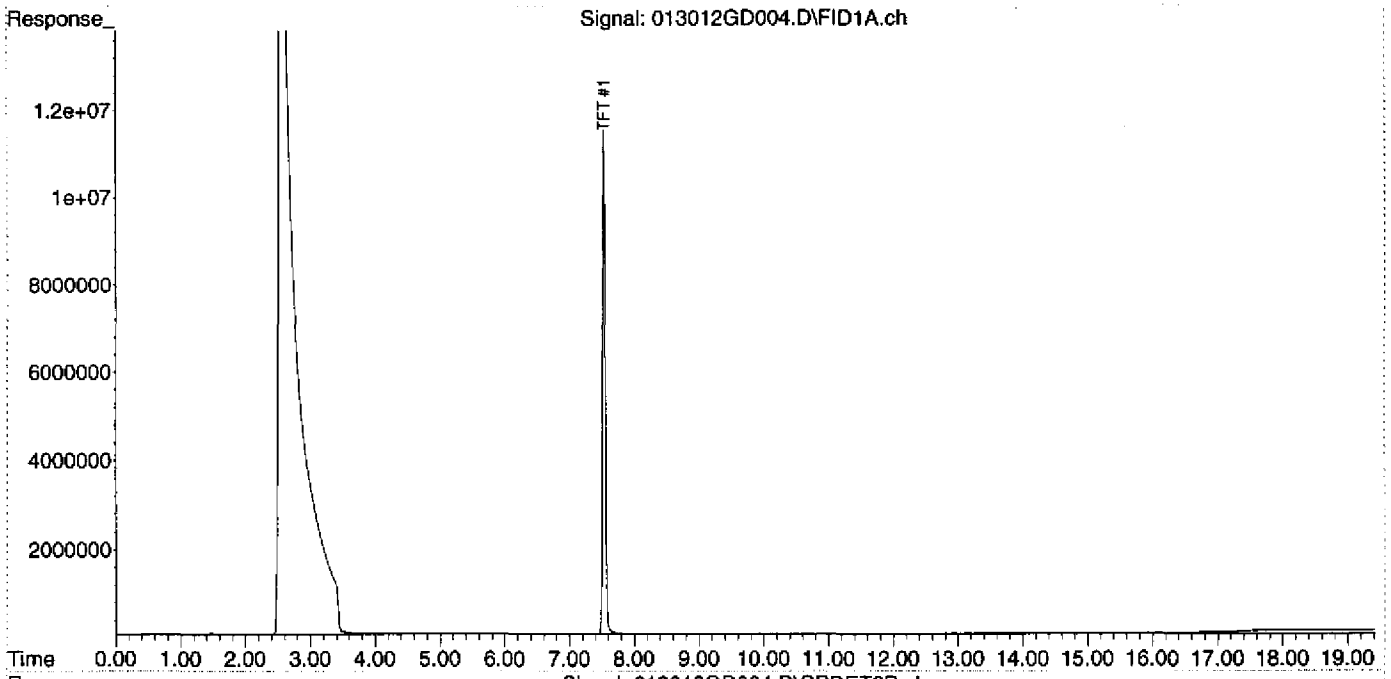
(f)=RT Delta > 1/2 Window (m)=manual int.

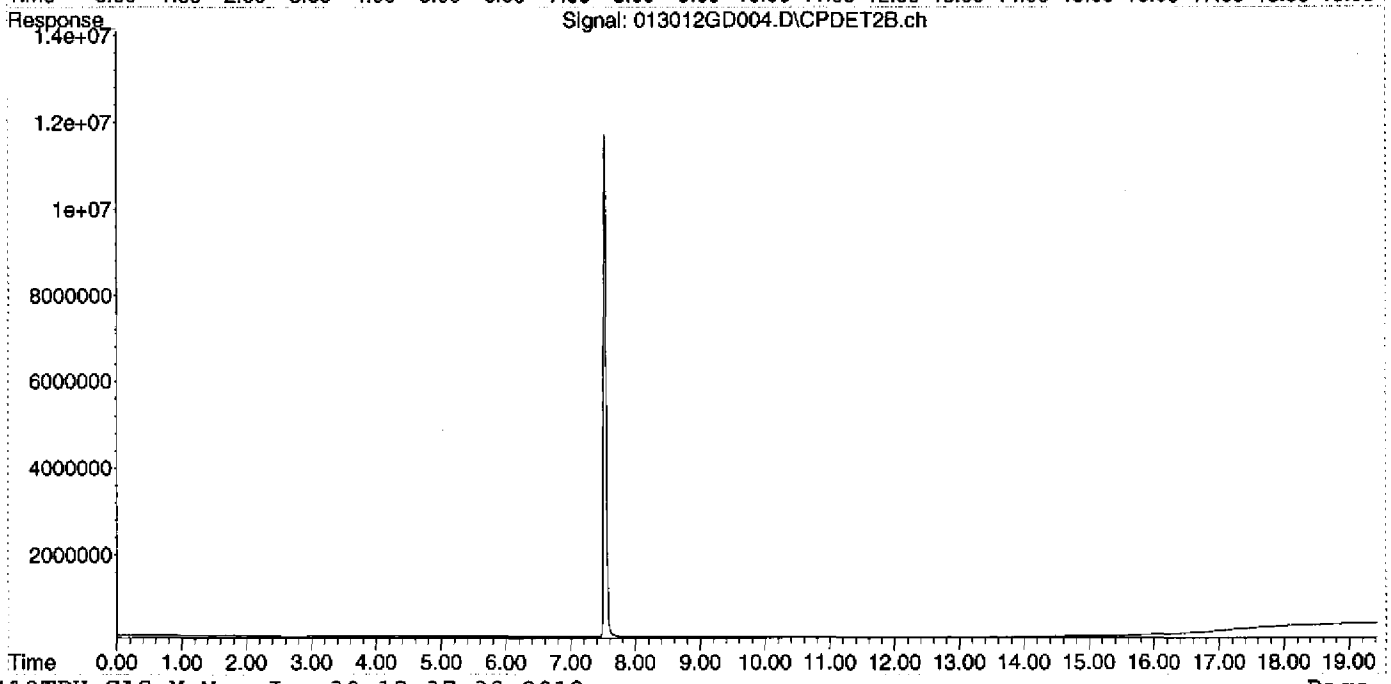
Quantitation Report (Not Reviewed)

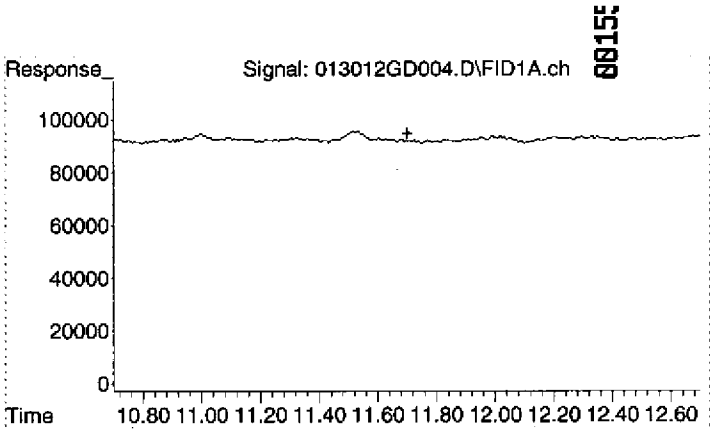
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 11:57 am
Operator : YNB
Sample : B2A0072-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 12:37:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

00156

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 12:26 pm
Operator : YNB
Sample : B2A0072-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 13:18:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	335975788	139.755 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 111.80%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1081801047	485.881 ug/L

97.18 %
YNB
01.30.12
limit 75-114%

(f)=RT Delta > 1/2 Window (m)=manual int.

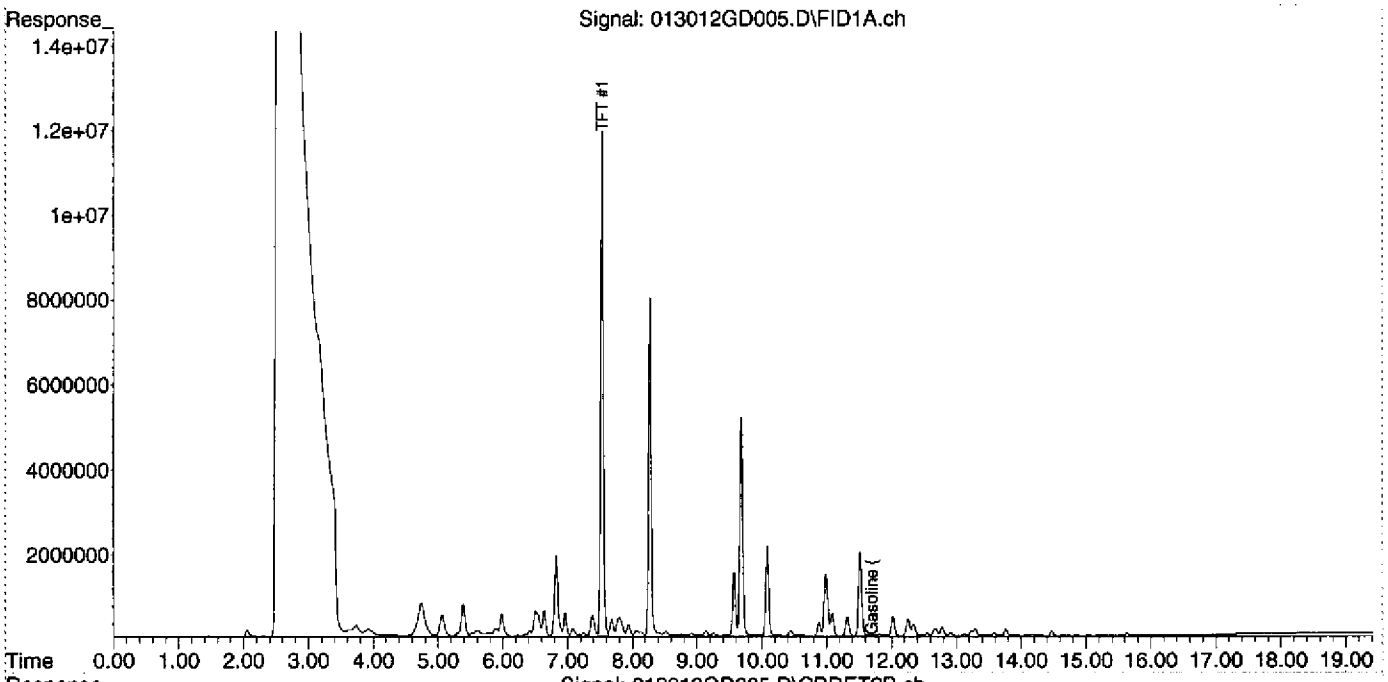
00141

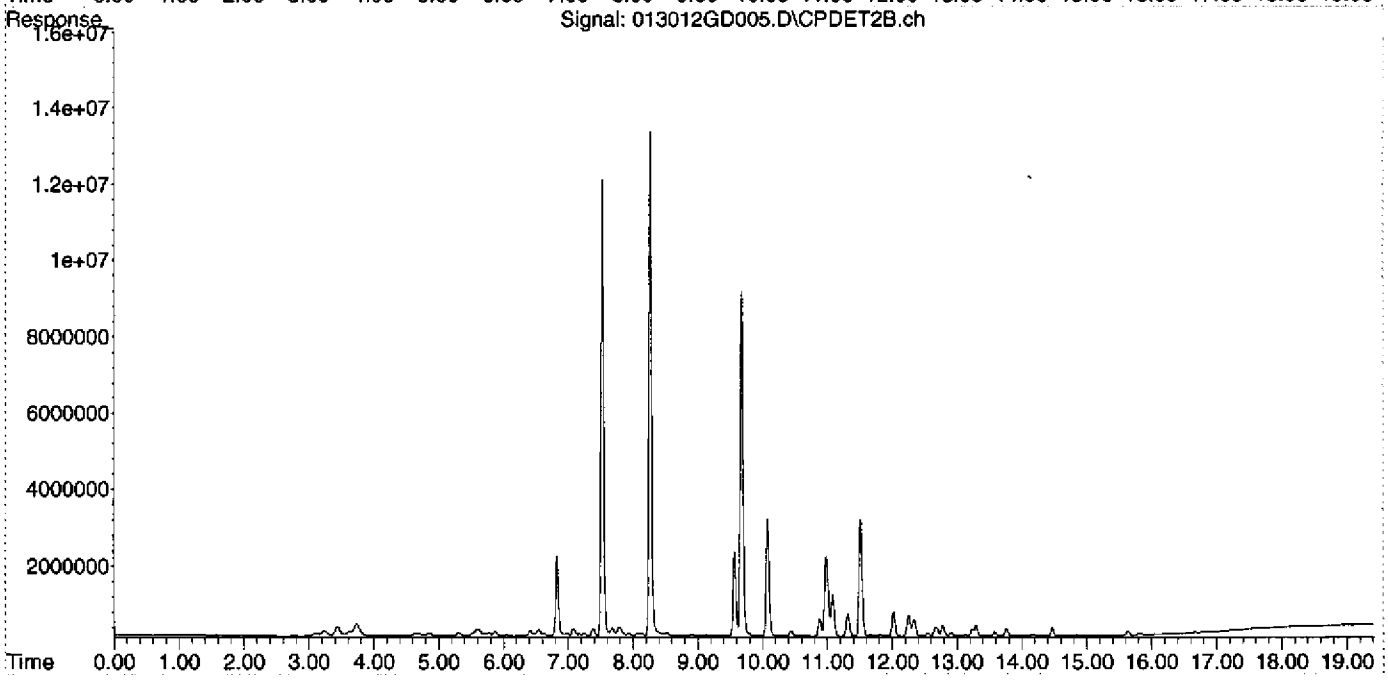
Quantitation Report (Not Reviewed)

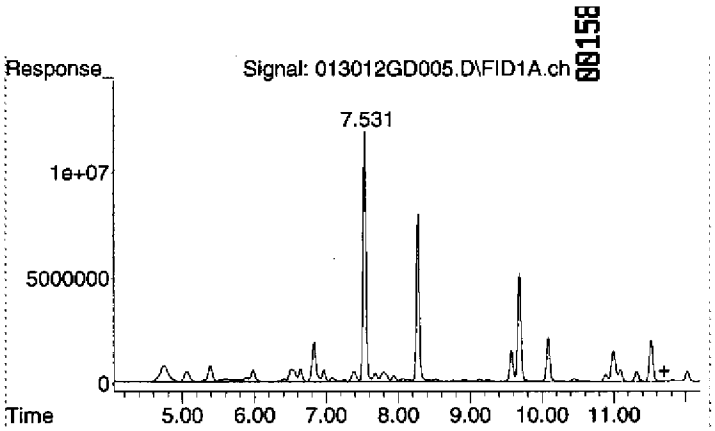
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 12:26 pm
Operator : YNB
Sample : B2A0072-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 30 13:18:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1081801047
Conc: 485.88 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 1:22 pm
Operator : YNB
Sample : 1201033-01
Misc : FB03,E, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.531	294895824	122.667 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 98.13%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	10288345	4.621 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

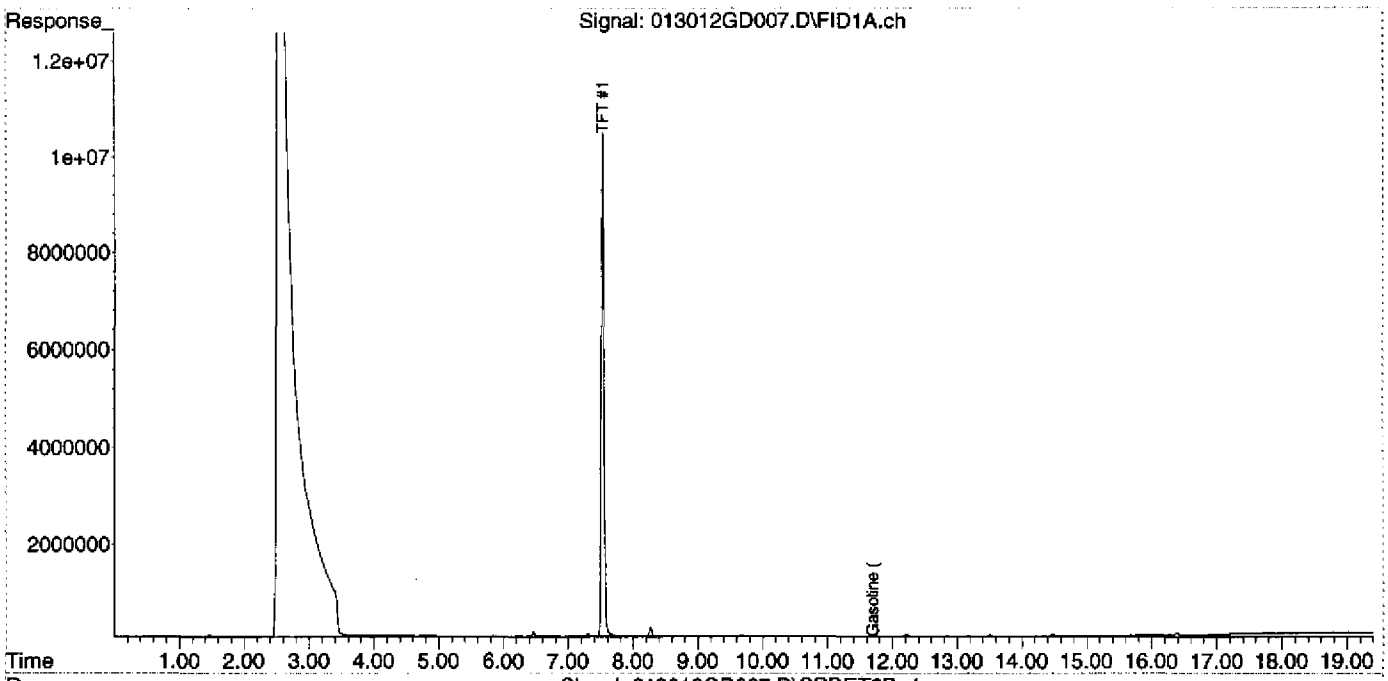
DIM0276390 DIM0276549

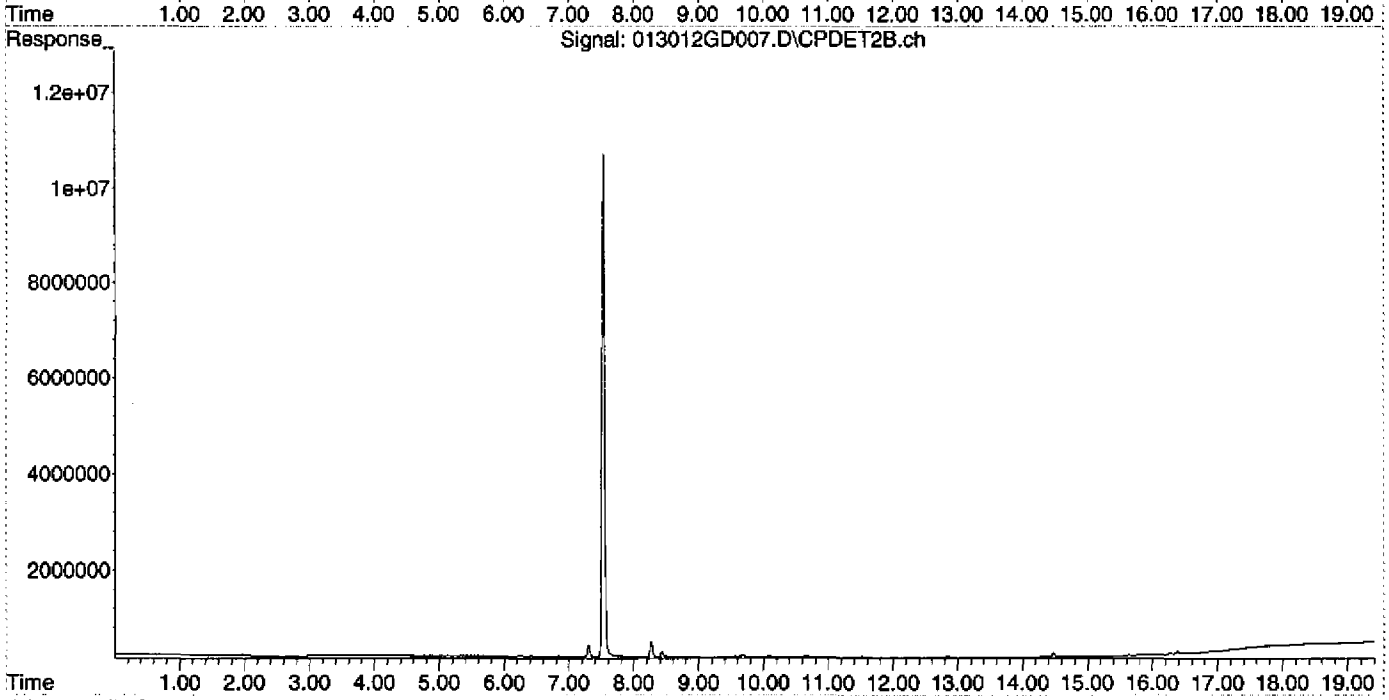
Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 1:22 pm
Operator : YNB
Sample : 1201033-01
Misc : FB03,E, WATER
ALS Vial : 7 Sample Multiplier: 1

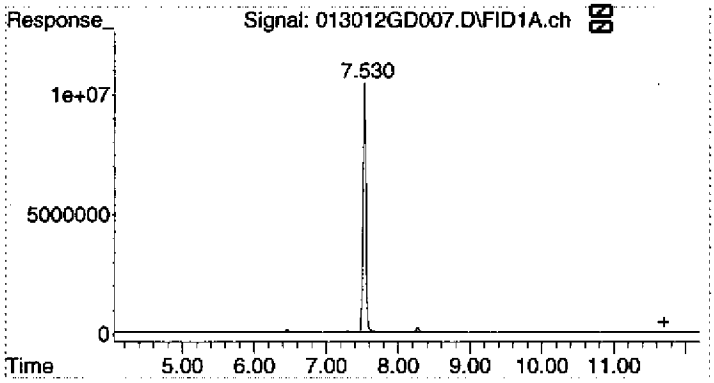
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID





DIM0276390 DIM0276550



#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	10288345
Conc:	4.62 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 1:50 pm
Operator : YNB
Sample : B2A0072-DUP1
Misc : FB03,F, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	311613033	129.621 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.70%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	10039953	4.509 ug/L

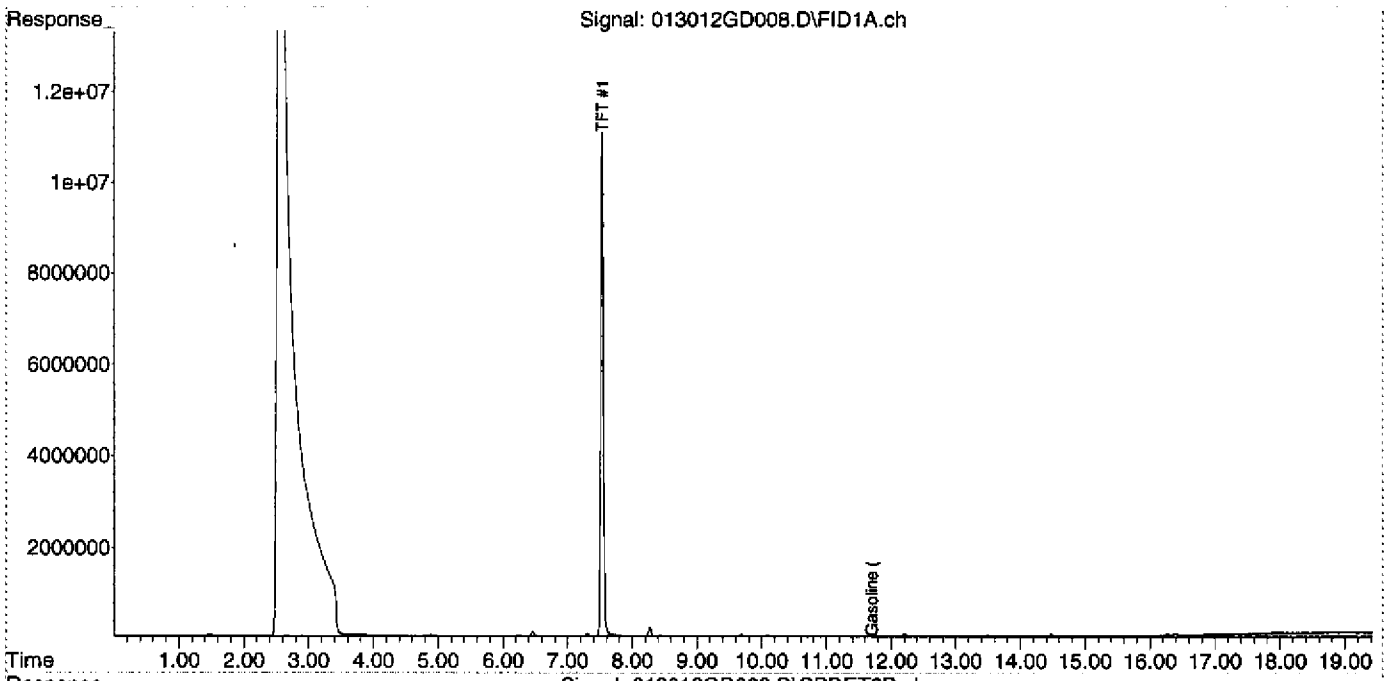
(f)=RT Delta > 1/2 Window (m)=manual int.

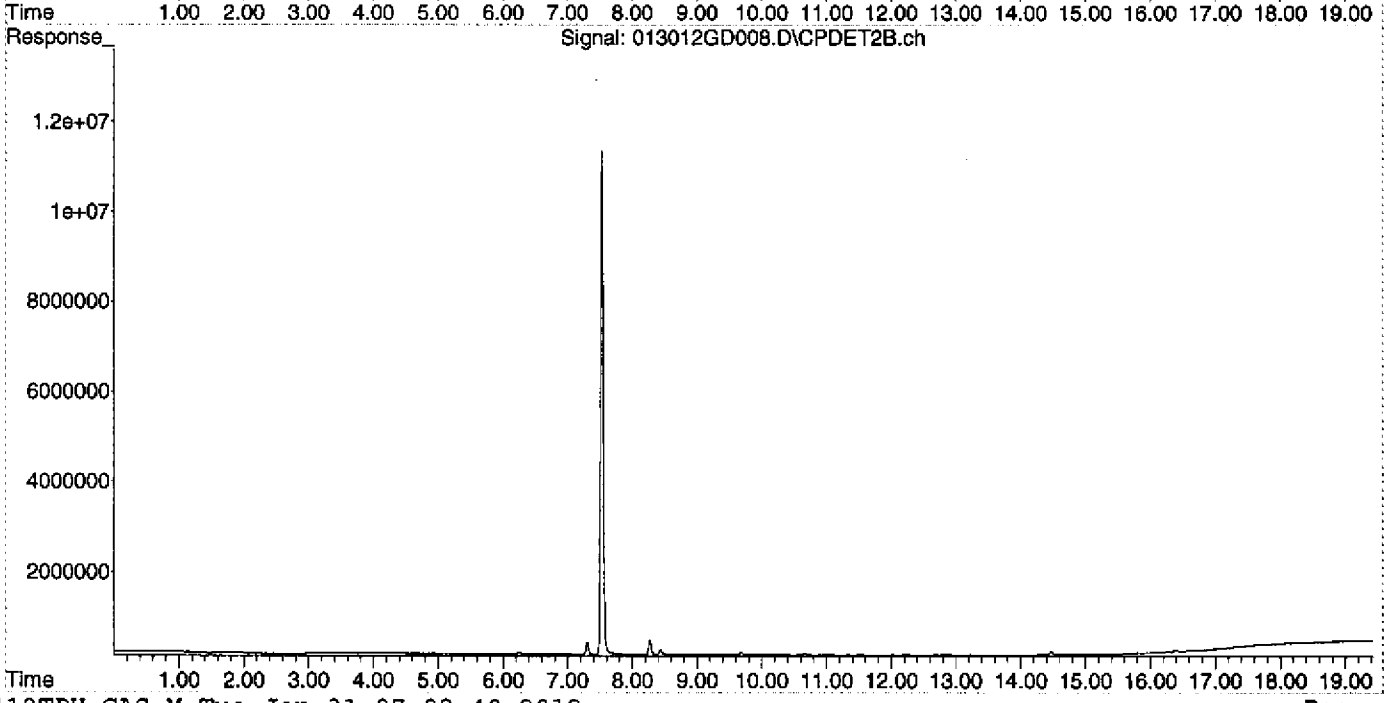
Quantitation Report (Not Reviewed)

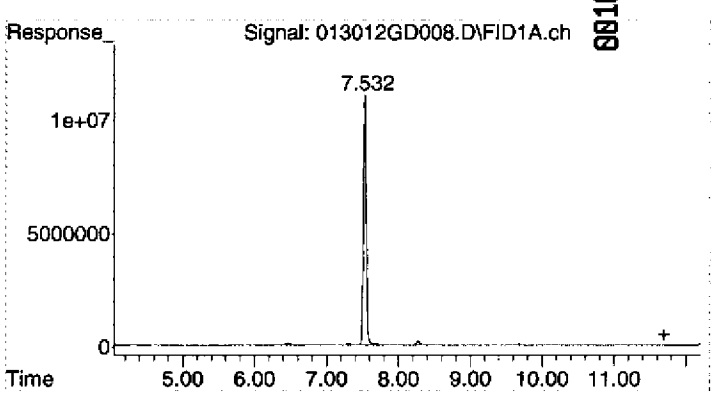
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 1:50 pm
Operator : YNB
Sample : B2A0072-DUP1
Misc : FB03,F, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 10039953
Conc: 4.51 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 2:19 pm
Operator : YNB
Sample : 1201033-02
Misc : HW02,E, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:42 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S TFT #1	7.534	317750034	132.174	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 105.74%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

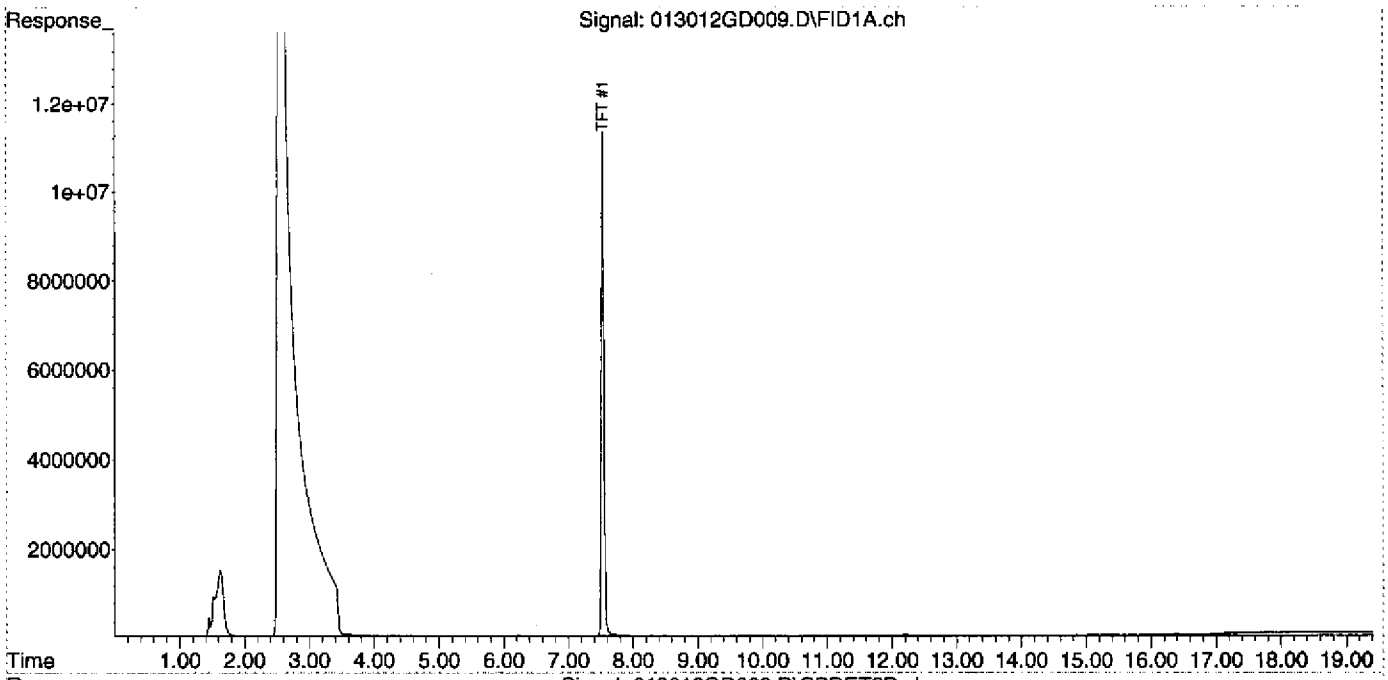
(f)=RT Delta > 1/2 Window (m)=manual int.

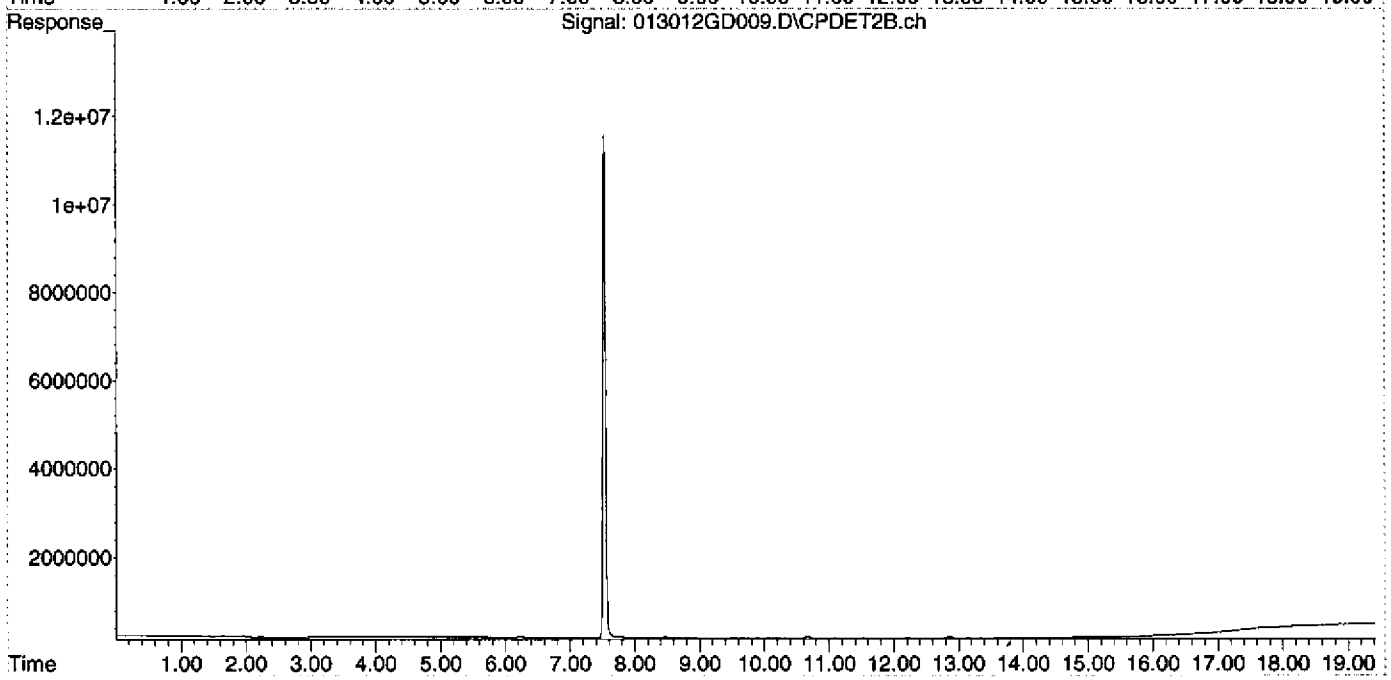
Quantitation Report (Not Reviewed)

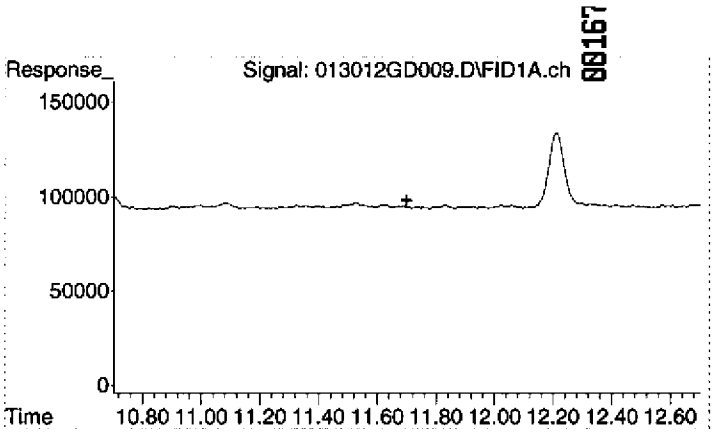
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 2:19 pm
Operator : YNB
Sample : 1201033-02
Misc : HW02,E, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:42 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 2:47 pm
Operator : YNB
Sample : 1201033-03
Misc : HW02z,F, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:47 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	313827196	130.542 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.43%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	796389	0.358 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

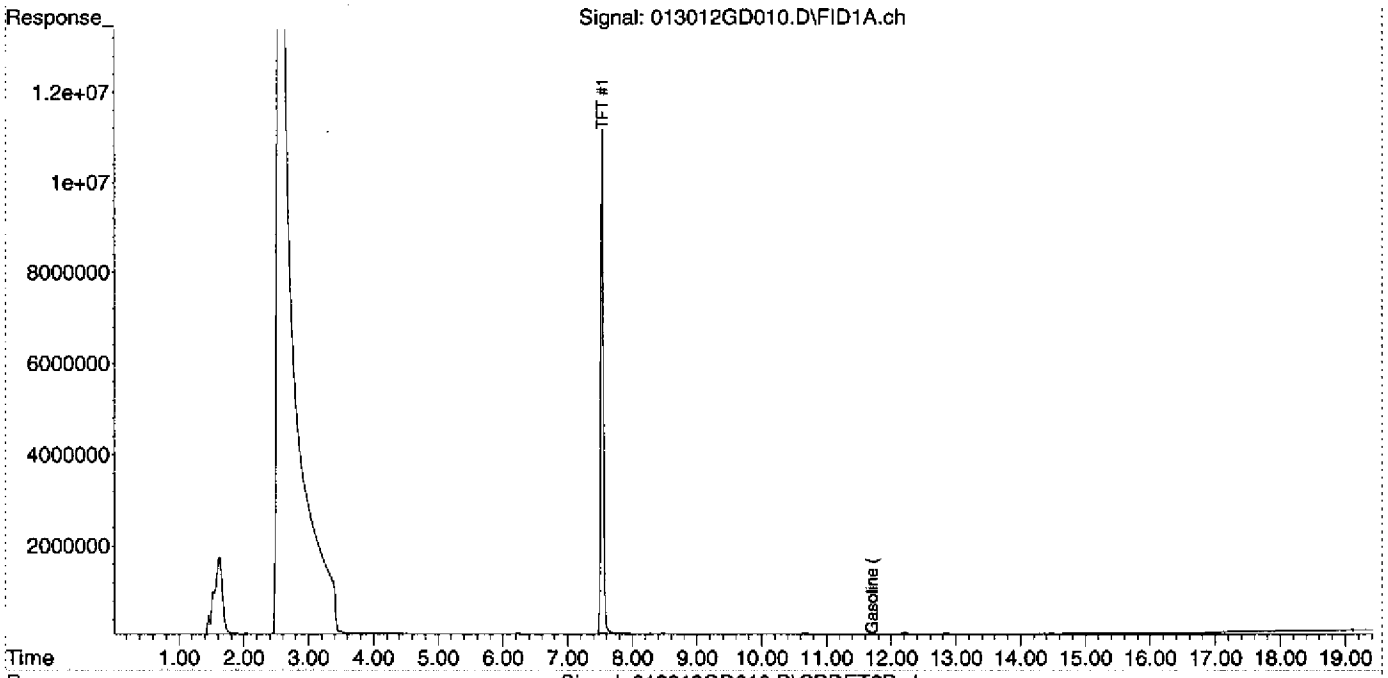
DIM0276390 DIM0276558

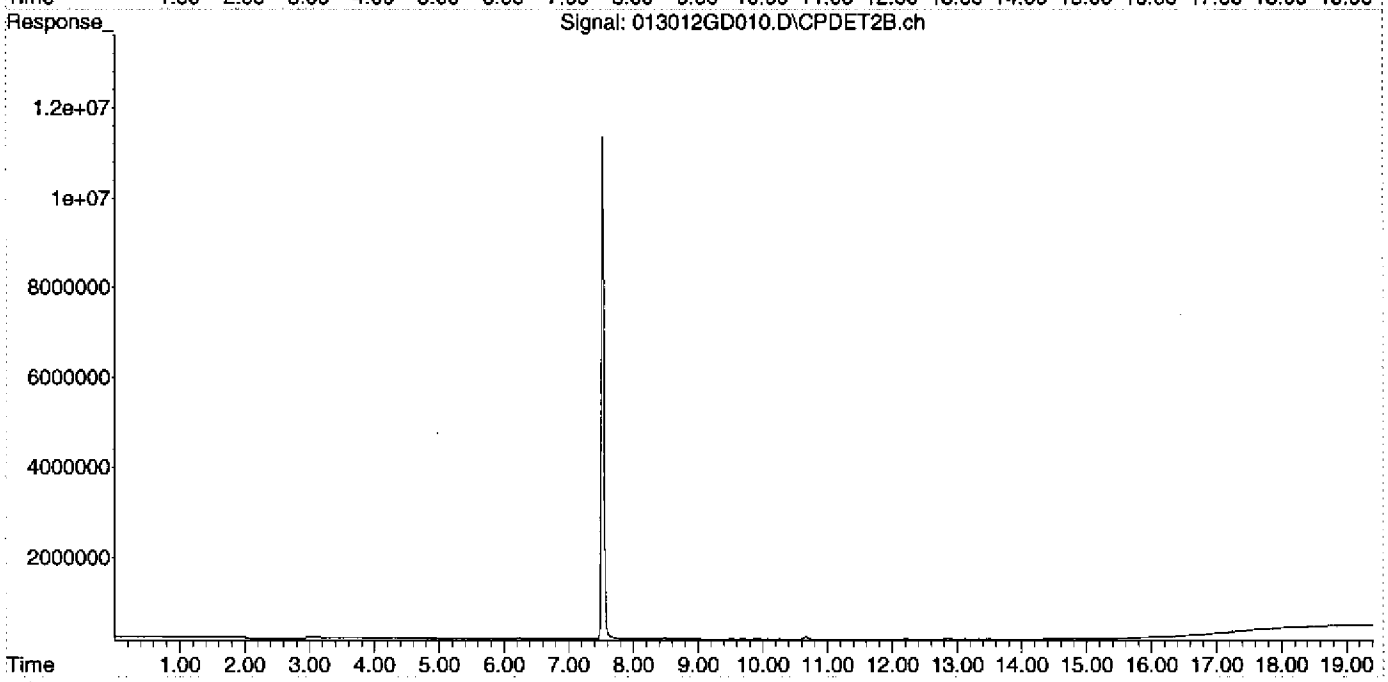
Quantitation Report (Not Reviewed)

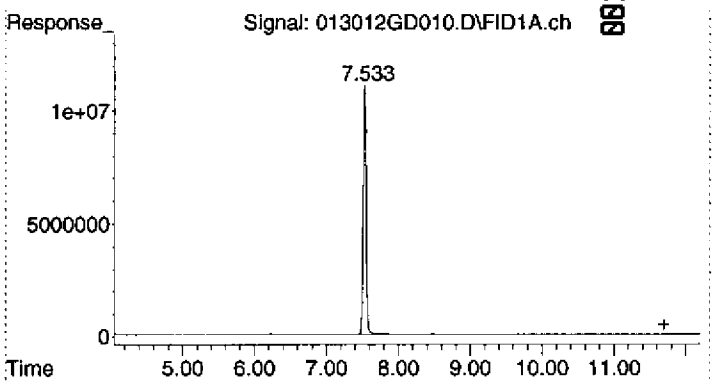
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 2:47 pm
Operator : YNB
Sample : 1201033-03
Misc : HW02z,F, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:47 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	796389
Conc:	0.36 ug/L

Quantitation Report (Not Reviewed)

00171

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 3:15 pm
Operator : YNB
Sample : 1201033-04
Misc : HW08a,E, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:52 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	306912029	127.666 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.13%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1263222	0.567 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

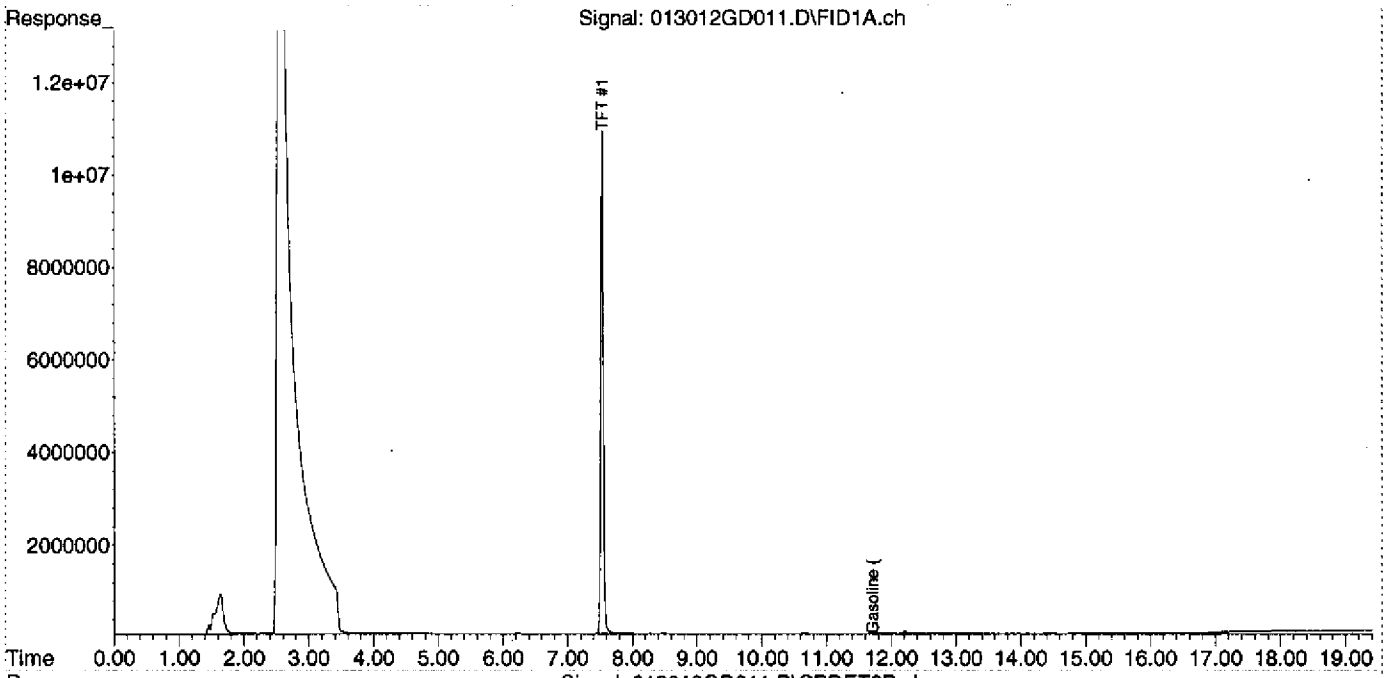
00156

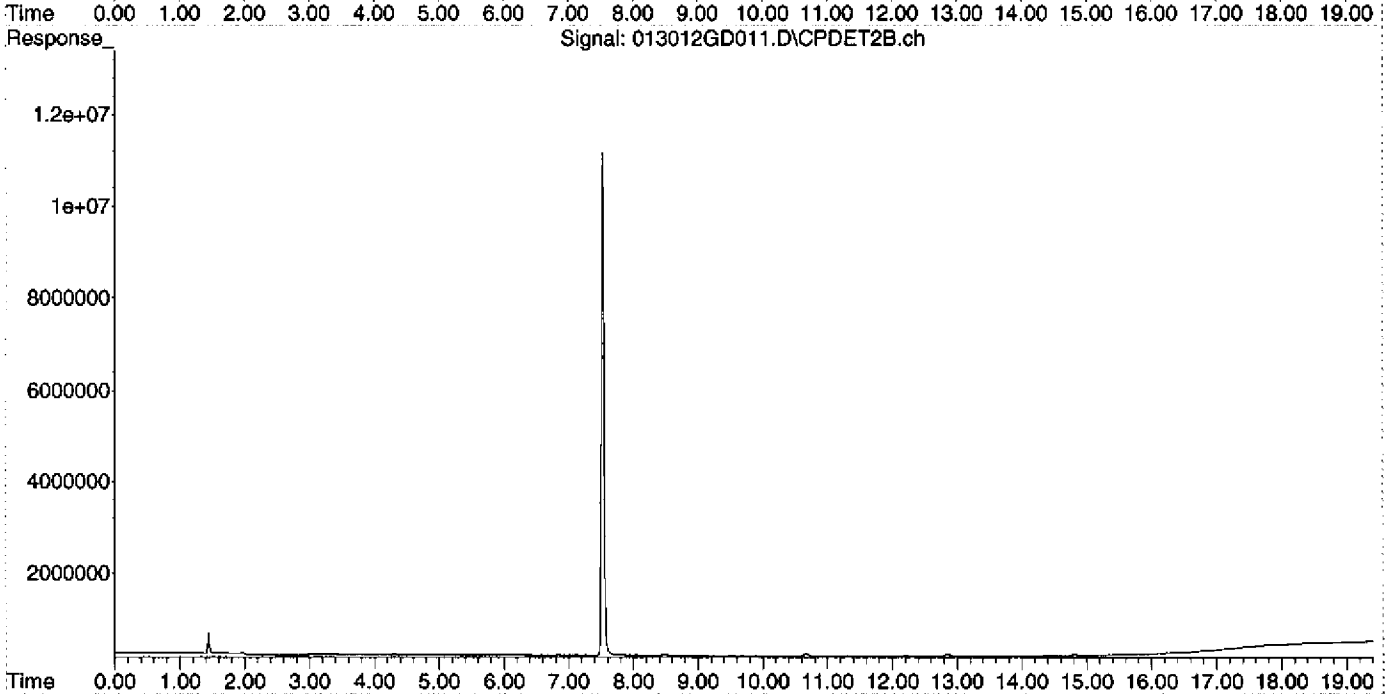
Quantitation Report (Not Reviewed)

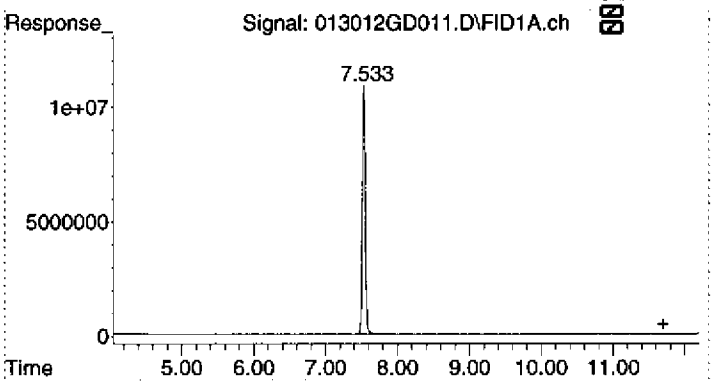
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 3:15 pm
Operator : YNB
Sample : 1201033-04
Misc : HW08a,E, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:02:52 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	1263222
Conc:	0.57 ug/L

Quantitation Report (Not Reviewed)

00174

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 9:23 pm
Operator : YNB
Sample : 2010048-IBL2
Misc : BLANK, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:03:56 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	312800078	130.115 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.09%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	7668093	3.444 ug/L

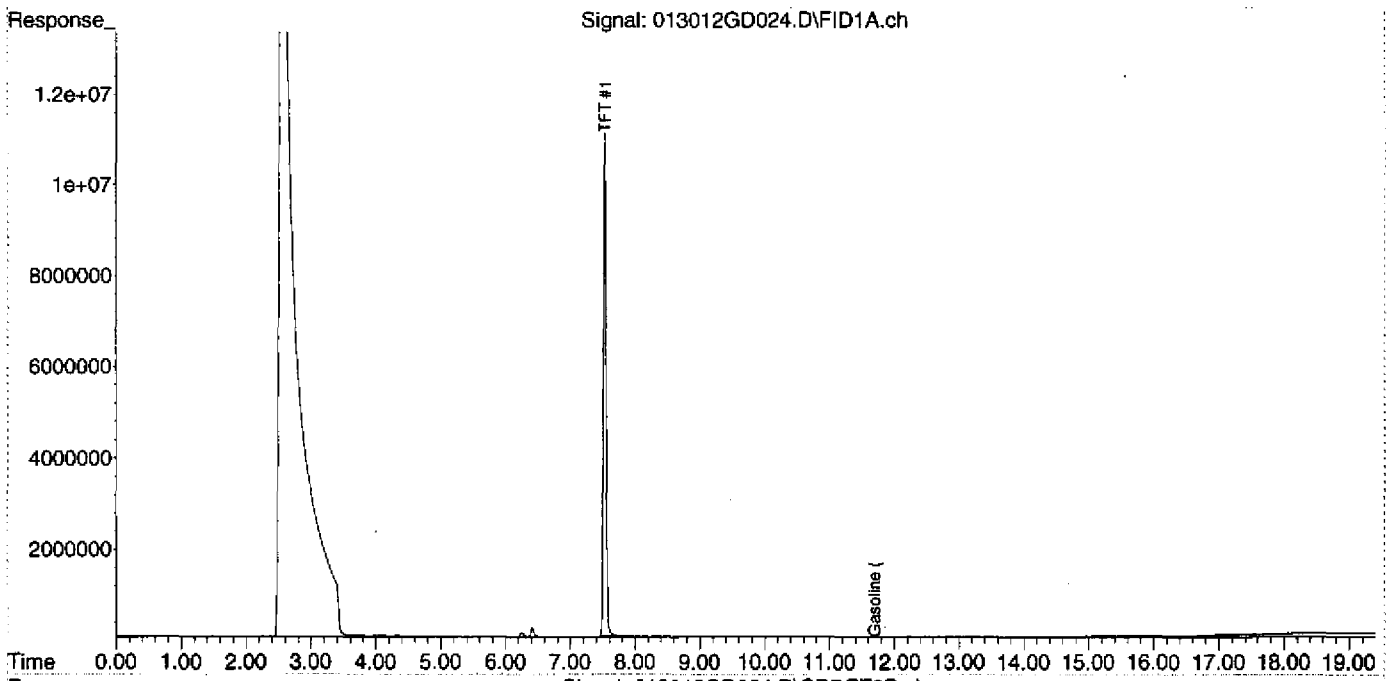
(f)=RT Delta > 1/2 Window (m)=manual int.

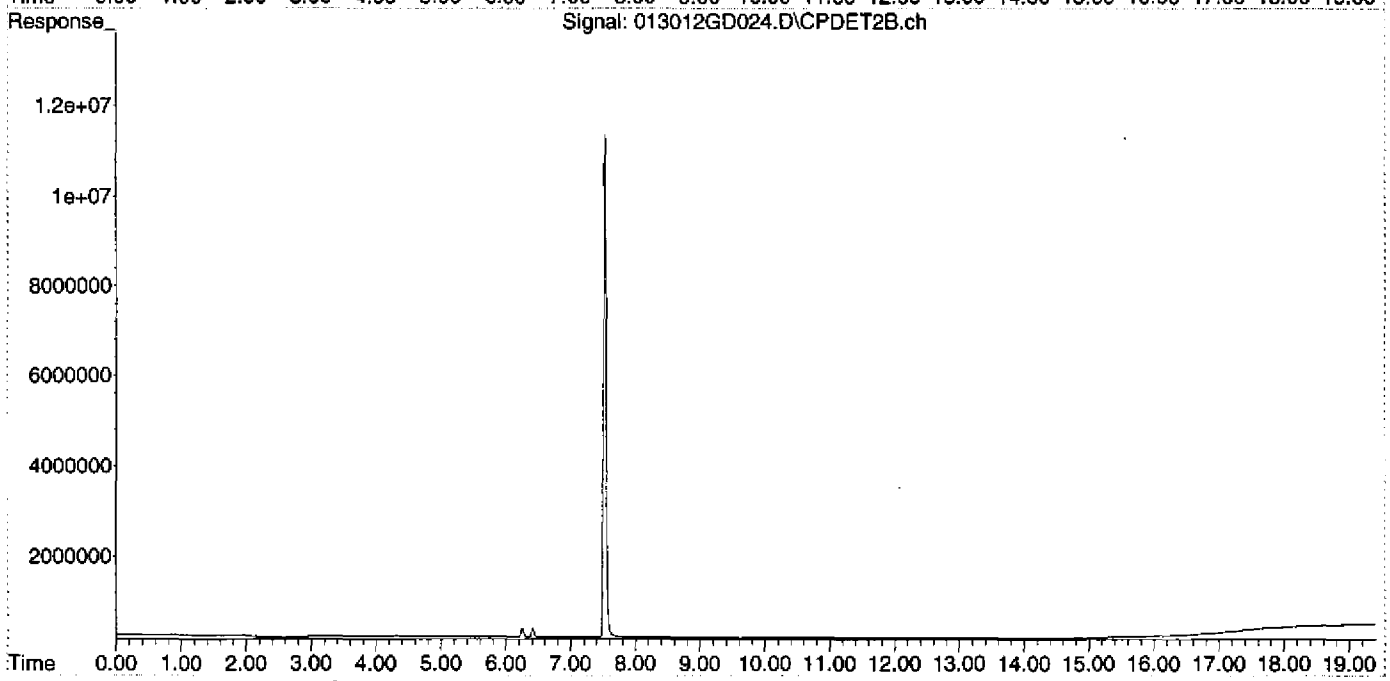
Quantitation Report (Not Reviewed)

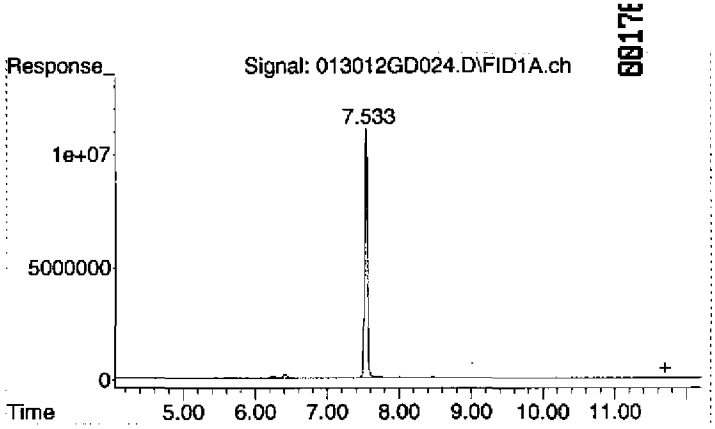
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 9:23 pm
Operator : YNB
Sample : 2010048-IBL2
Misc : BLANK, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:03:56 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	7668093
Conc:	3.44 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 9:51 pm
Operator : YNB
Sample : 2010048-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:04:01 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Min. RRF : 0.000 Min. Rel. Area : 70% Max. R.T. Dev 0.03min
Max. RRF Dev : 15% Max. Rel. Area : 130%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	HRM Gasoline (TPH) #1	2.226	2.150 E6	3.4	92	0.00
2	S TFT #1	2.404	2.621 E6	-9.0	109	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 9:51 pm
Operator : YNB
Sample : 2010048-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:04:01 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	327600524	136.271 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 109.02%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1075022736	482.837 ug/L

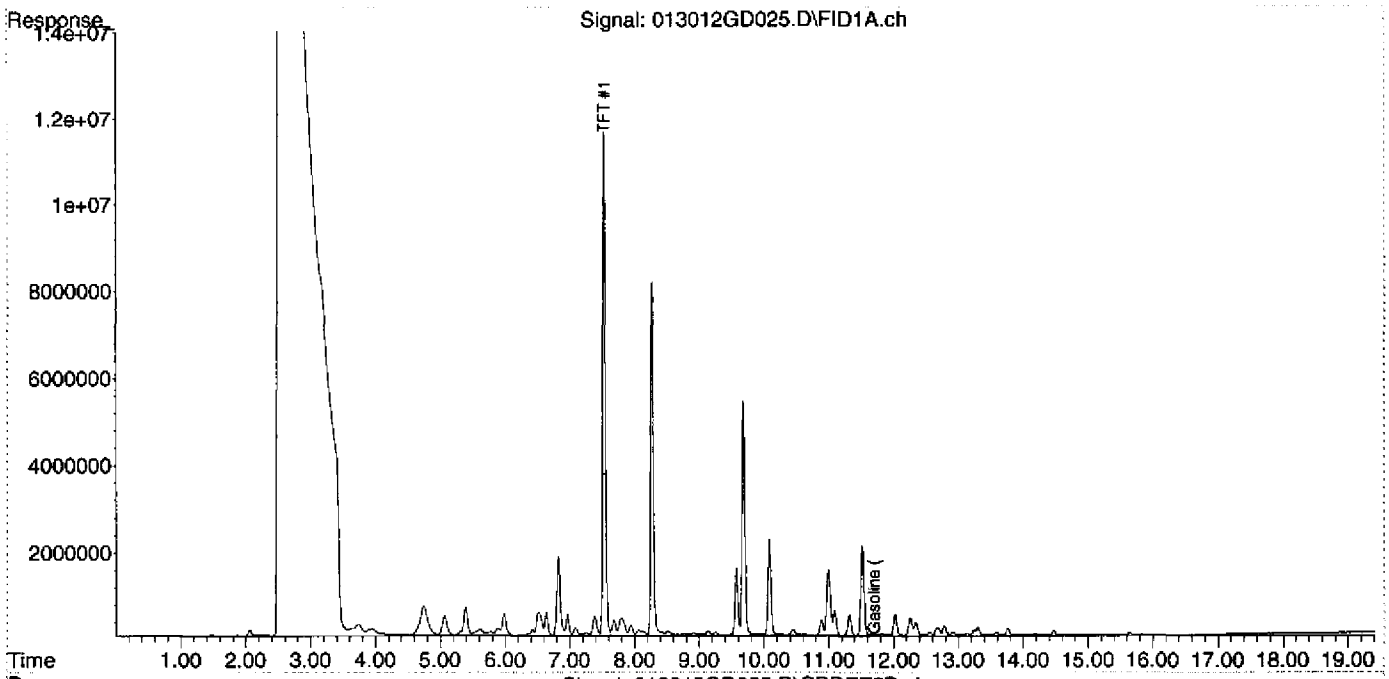
(f)=RT Delta > 1/2 Window (m)=manual int.

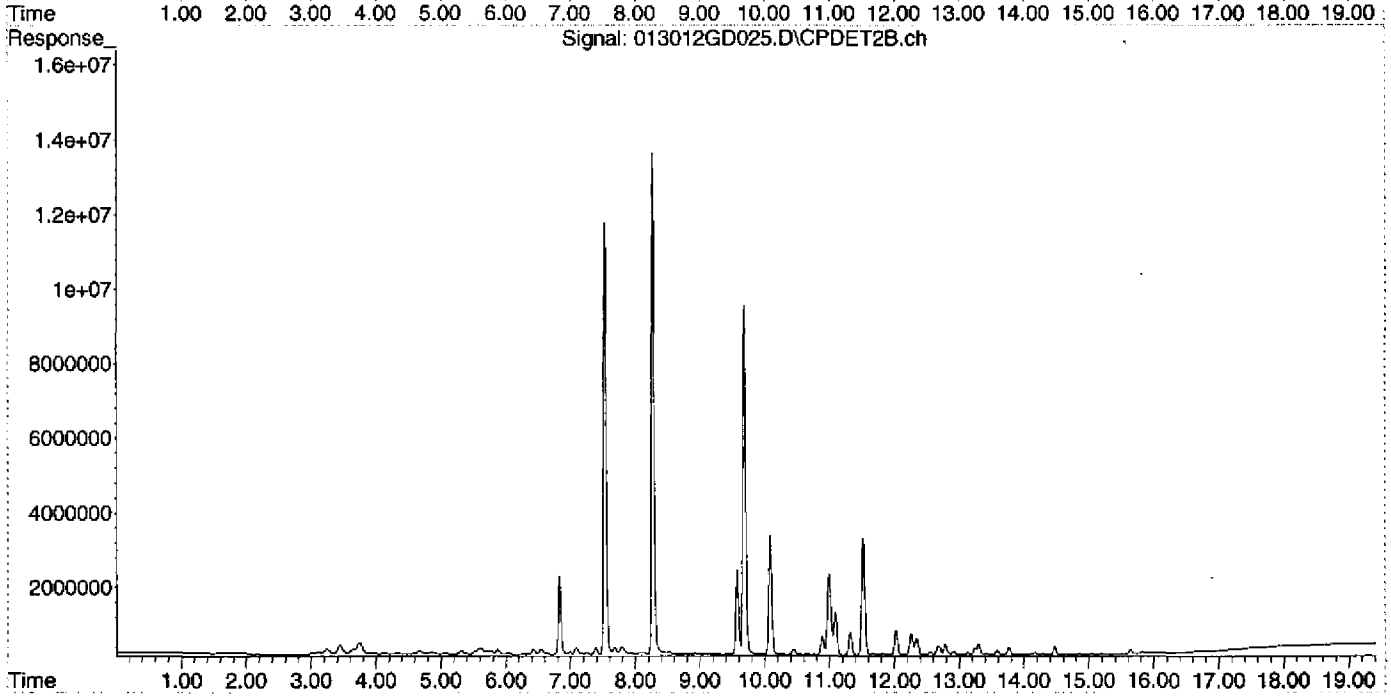
Quantitation Report (Not Reviewed)

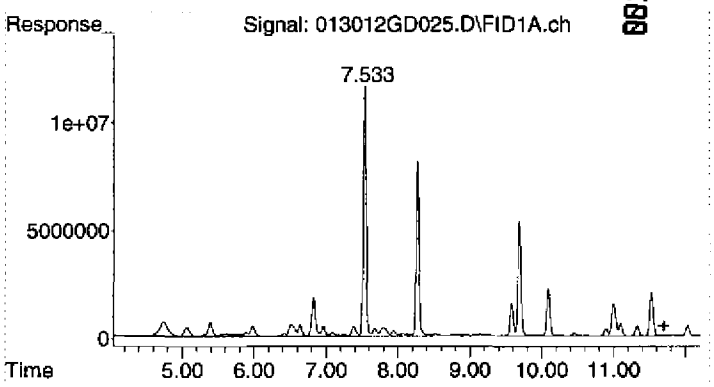
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 9:51 pm
Operator : YNB
Sample : 2010048-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:04:01 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1075022736
Conc: 482.84 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 10:20 pm
Operator : YNB
Sample : 2010048-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:04:06 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	330369715	137.423 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 109.94%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1091319755	490.156 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

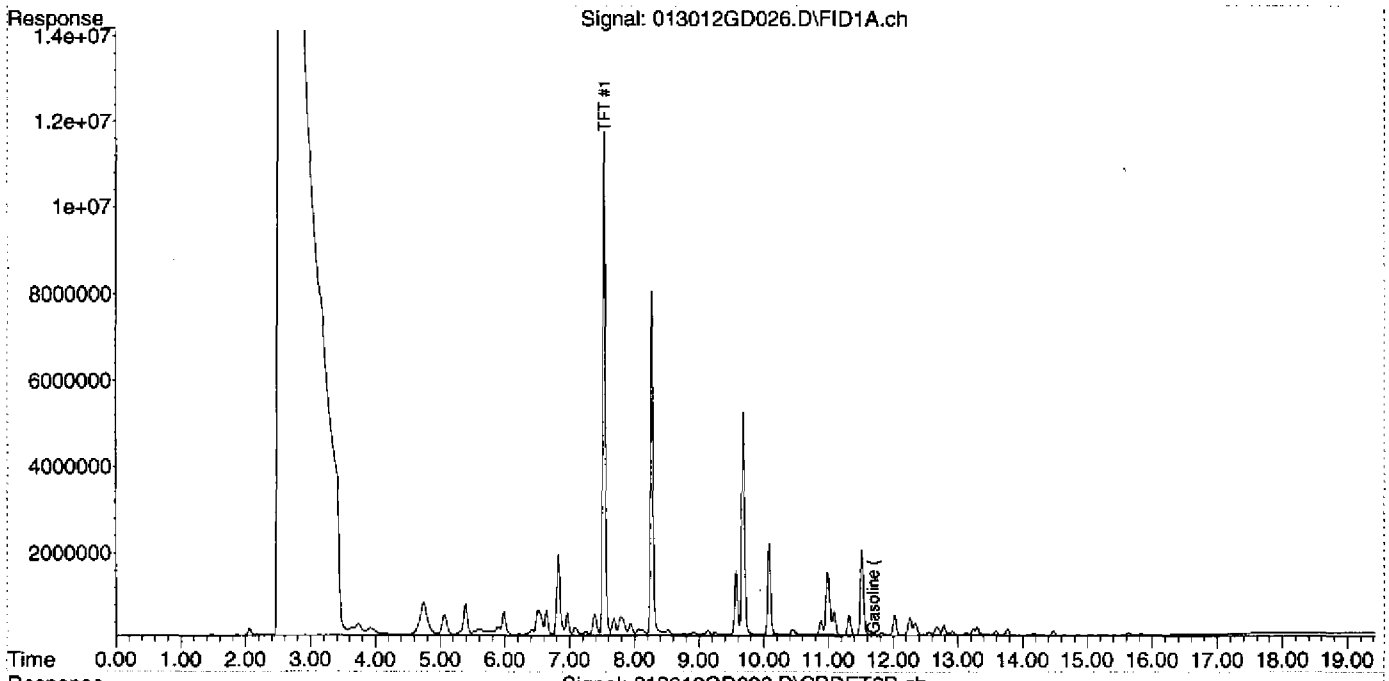
00165
DIM0276390 DIM0276571

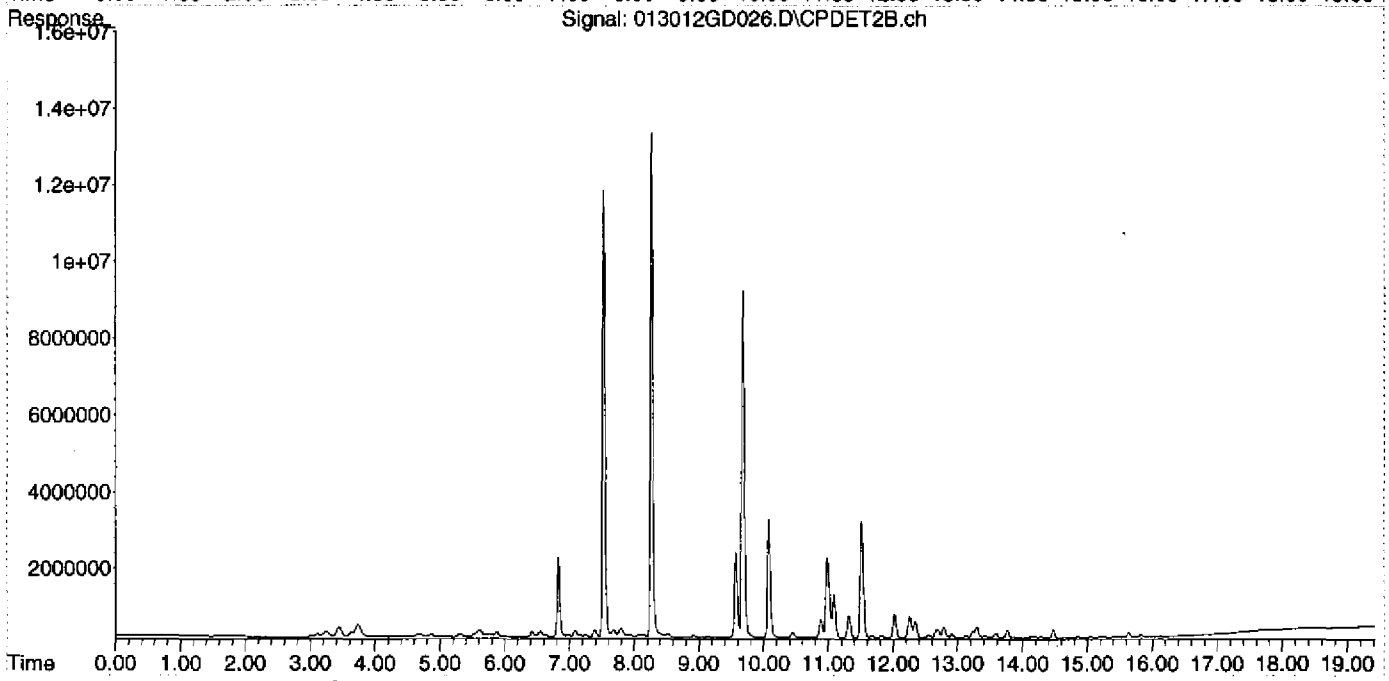
Quantitation Report (Not Reviewed)

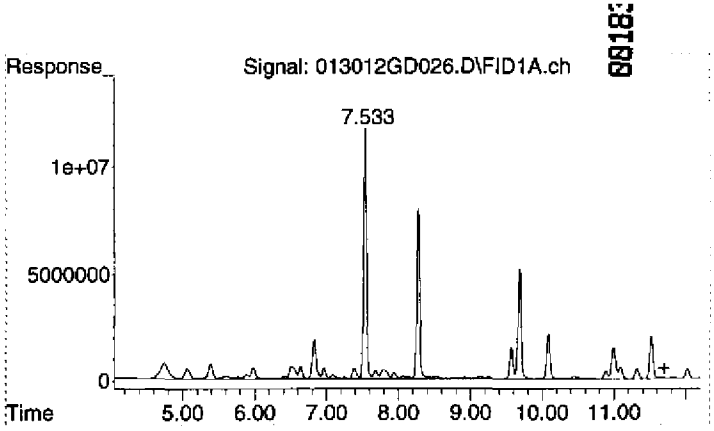
Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 10:20 pm
Operator : YNB
Sample : 2010048-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:04:06 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1091319755
Conc: 490.16 ug/L

MISCELLANEOUS DATA

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 8:55 pm
Operator : YNB
Sample : 2010048-SB1
Misc : SB 01/23/12, WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:03:51 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	319212783	132.782 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 106.23%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.

00178
DIM0276390 DIM0276575

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\013012\
Data File : 013012GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 30 Jan 2012 8:55 pm
Operator : YNB
Sample : 2010048-SB1
Misc : SB 01/23/12, WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 07:03:51 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
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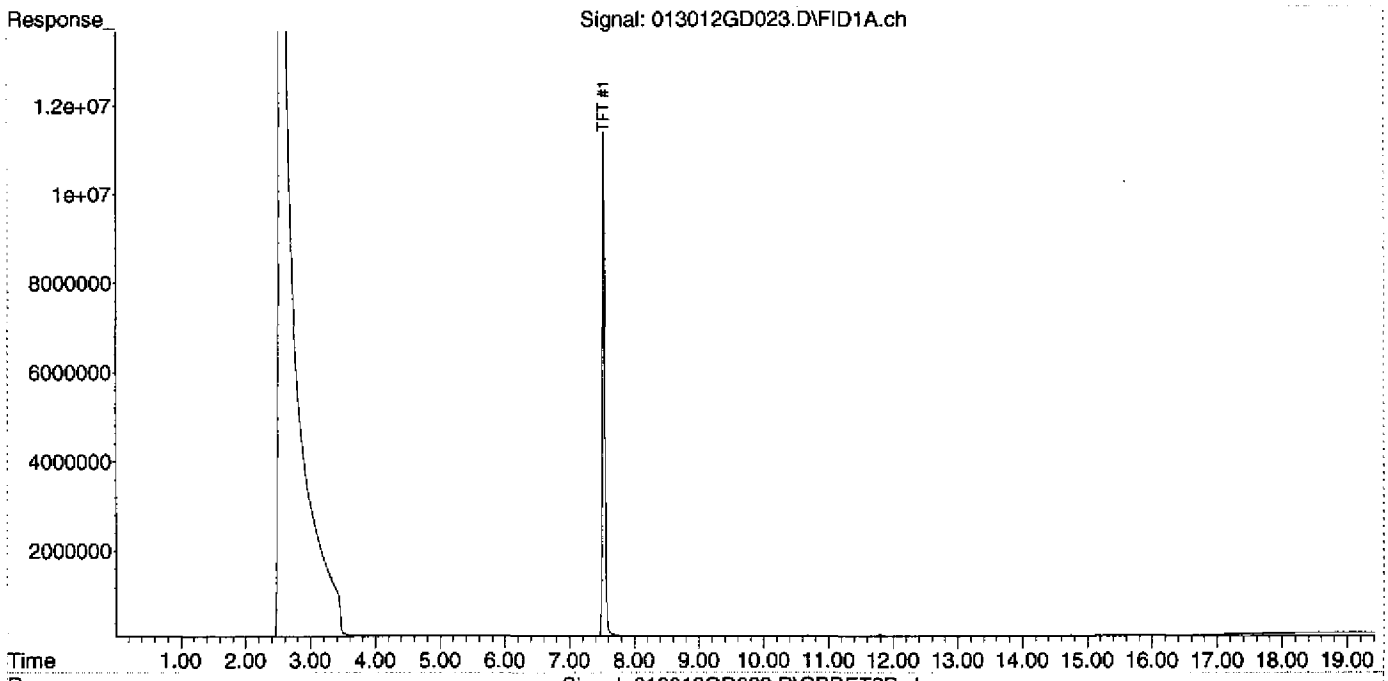
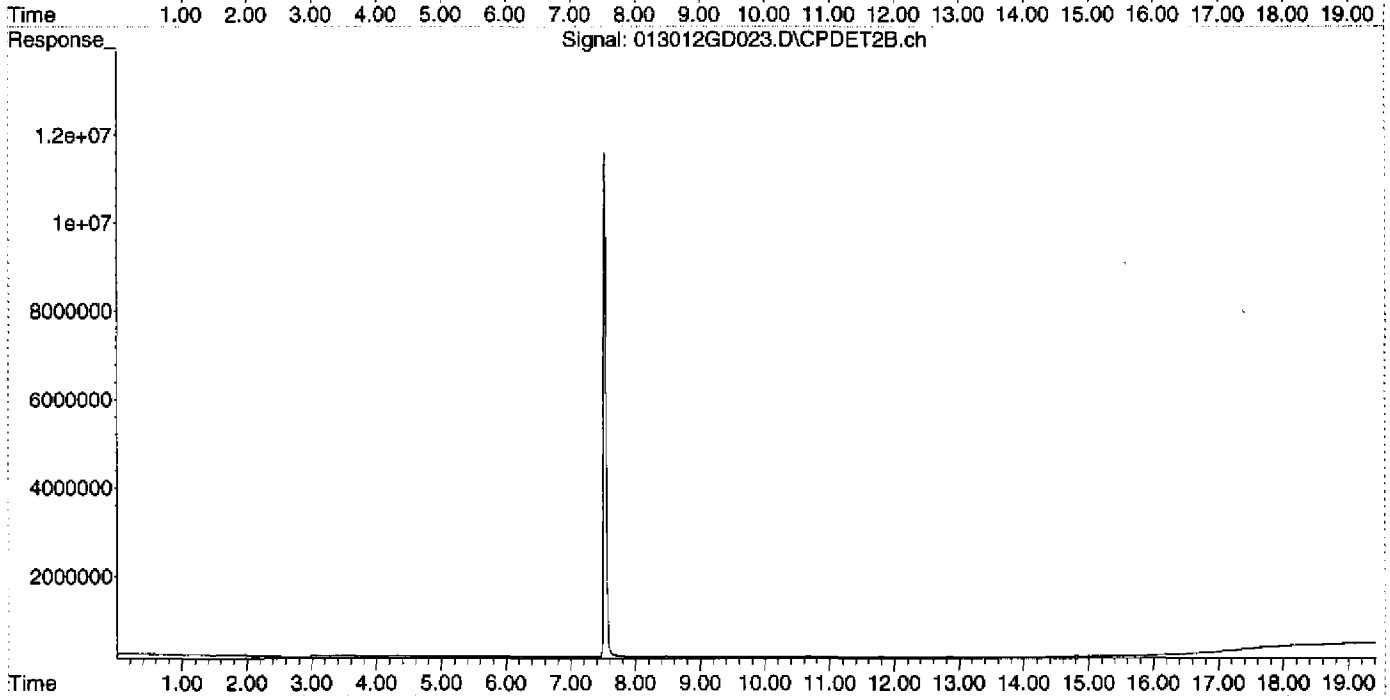
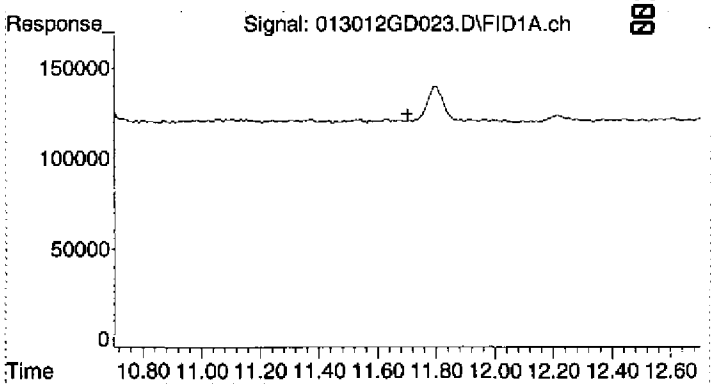
Volume Inj. : 5 mL
Signal #1 Phase : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	0
Conc:	N.D.

00188

STANDARDS RECORDS

G:\USER\ESAT\1 Organic Group\Forms\DataPackageSeparators.doc

00174

Analytical Standard Record

EPA Region 9 Laboratory

0C16025

Description:	GAS:Unleaded Gasoline Composite 5	**Expires:**	04/17/12
Standard Type:	Analyte Spike	**Prepared:**	03/16/10
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	11/07/11 16:02 by jad
Vendor:	Restek	**Lot Numb**	A066488

Cat # 30205, Lot # A066488; bar code AU002204, open 10/17/11 by YNB

Analyte	CAS Number	Concentration (ppm)
TPH as Gasoline	8006-61-9	50000

Analytical Standard Record

EPA Region 9 Laboratory

0D22008

Description:	GAS ARCH: Alpha, Alpha, Alpha-Tr	**Expires:**	06/30/18
Standard Type:	Surrogate Spike	**Prepared:**	04/22/10
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1.55	**Department:**	Extractables
Vials:	1	**Last Edit:**	04/22/10 11:29 by YNB
Vendor:	Restek	**Lot Numb**	A067627

Cat. # 30083, Lot# A0067627; bar code #AU002333

Analyte	CAS Number	Concentration (ppm)
a,a,a-Trifluorotoluene	98-08-8	10000

Analytical Standard Record

EPA Region 9 Laboratory

0F03014

Description:	GAS: Gasoline, Stock (QCS)	**Expires:**	08/31/12
Standard Type:	Other Solution	**Prepared:**	06/03/10
Solvent:	Solvent MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	06/03/10 09:24 by YNB
Vendor:	Supelco	**Lot Numb**	LB69826

Supelco 47516-U Lot LB69826; bar code AU002502

Analyte	CAS Number	Concentration (ppm)
TPH as Gasoline	8006-61-9	20000

00192

Analytical Standard Record

EPA Region 9 Laboratory

1B16005

Description:	DRO:Turpentine, Stock	**Expires:**	11/21/18
Standard Type:	Other Solution	**Prepared:**	02/16/11
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	02/16/11 12:36 by YNB
Vendor:	AccuStandard	**Lot Numb**	A9020099

Cat.# HS-004S-40X, Lot # A9020099, bar code AU003356 (2)

Analyte	CAS Number	Concentration (ppm)
Turpentine	8006-64-2	20000

Analytical Standard Record

EPA Region 9 Laboratory

1C22022

Description:	DRO:Diesel Fuel #2 Composite Stanc	**Expires:**	09/30/16
Standard Type:	Analyte Spike	**Prepared:**	03/22/11
Solvent:	DCM	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	03/22/11 11:18 by YNB
Vendor:	Restek	**Lot Numb**	A069478

Restek Cat. No. 31258 Lot#: A06947 Bar Code : AU003440

Analyte	CAS Number	Concentration (ppm)
TPH as Diesel	68334-30-5	50000
TPH - Diesel Range Organics	TPH-DRO	50000

Analytical Standard Record

EPA Region 9 Laboratory

1I23004

Description:	GRO:Stoddard Solvent, Stock	**Expires:**	04/26/20
Standard Type:	Other Solution	**Prepared:**	09/23/11
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	09/23/11 10:18 by TD
Vendor:	AccuStandard	**Lot Numb**	B0100498

Cat.# HS-005S-40X, LOT# B0100498; AU003885 B

Analyte	CAS Number	Concentration (ppm)
Stoddard solvent	8052-41-3	20000

Analytical Standard Record

EPA Region 9 Laboratory

1I23006

Description:	GAS:GAS Methylpentane,Trimethylb	**Expires:**	11/17/12
Standard Type:	Other Solution	**Prepared:**	09/23/11
Solvent:	METHANOL	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	09/23/11 10:32 by TD
Vendor:	AccuStandard	**Lot Numb**	B3100066-2B

Cat.# S-10760-2.5X, Lot # B3100066-2B; bar code # AU003881 A

Analyte	CAS Number	Concentration (ppm)
2-Methylpentane	107-83-5	4997
1,2,4-Trimethylbenzene	95-63-6	4937

Analytical Standard Record

EPA Region 9 Laboratory

1I23008

Description:	GASGRO:Mineral Spirits, Stock	**Expires:**	05/09/18
Standard Type:	Other Solution	**Prepared:**	09/23/11
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	09/23/11 10:12 by TD
Vendor:	AccuStandard	**Lot Numb**	B8050069

Cat.# HS-002S-40X, Lot # B8050069; bar code # AU003886 A

Analyte	CAS Number	Concentration (ppm)
Mineral spirits	64475-85-0	20000

Analytical Standard Record

EPA Region 9 Laboratory

1I23010

Description:	GASDRO:Naphtha, Stock	**Expires:**	09/01/21
Standard Type:	Other Solution	**Prepared:**	09/23/11
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	09/23/11 10:21 by TD
Vendor:	AccuStandard	**Lot Numb**	211091015

Cat.# HS-003S-40X, Lot # 211091015 bar code #AU003883 A

Analyte	CAS Number	Concentration (ppm)
Naptha	8030-30-6	20002

Analytical Standard Record

EPA Region 9 Laboratory

1I23012

Description:	GASDRO:Lacquer Thinner, Stock	**Expires:**	04/30/19
Standard Type:	Other Solution	**Prepared:**	09/23/11
Solvent:	Solvent Lot # MeOH	**Prepared By:**	** Vendor **
Final Volume (mls):	1	**Department:**	Extractables
Vials:	1	**Last Edit:**	09/23/11 10:23 by TD
Vendor:	AccuStandard	**Lot Numb**	B9040308

Cat.# HS-001S-40X, Lot # B9040308; bar code #AU003884 A

Analyte	CAS Number	Concentration (ppm)
Lacquer thinner	64742-89-8	20000

Analytical Standard Record

EPA Region 9 Laboratory

1J17001

Description:	GAS:GAS101711 1000 ug/mL (Arch	**Expires:**	04/17/12
Standard Type:	Analyte Spike	**Prepared:**	10/17/11
Solvent:	MeOH Lot # DD471	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	5	**Last Edit:**	11/07/11 16:02 by jad
Vendor:	Restek	**Lot Numb**	A066488

200 uL in 10mL of MeOH (1H11012)

Analyte	CAS Number	Concentration (ppm)
TPH as Gasoline	8006-61-9	1000

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
0C16025	GAS:Unleaded Gasoline Composit	03/16/10	** Vendor **	04/17/12	11/07/11 16:02 by jad	0.2

Analytical Standard Record

EPA Region 9 Laboratory

2A10001

Description:	GAS_011012-SCV 100 ug/L	**Expires:**	07/10/12
Standard Type:	Reference Material	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 08:51 by YNB
Vendor:	Supelco	**Lot Numb**	LB50361

50uL/10 mL MeOH

Analyte	CAS Number	Concentration (ppm)	SRM Control Limits
TPH as Gasoline	8006-61-9	100	0-200

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
0F03014	GAS: Gasoline, Stock (QCS)	06/03/10	** Vendor **	08/31/12	06/03/10 09:24 by YNB	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10002

Description:	GAS: GAS RET TIME STD	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 08:50 by YNB
Vendor:	AccuStandard	**Lot Numb**	B3100066-2B

Analyte	CAS Number	Concentration (ppm)
2-Methylpentane	107-83-5	99.9
1,2,4-Trimethylbenzene	95-63-6	98.7

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1I23006	GAS:GAS Methylpentane,Trimeth	09/23/11	** Vendor **	11/17/12	09/23/11 10:32 by TD	0.2

Analytical Standard Record

EPA Region 9 Laboratory

2A10005

Description:	GAS: Naphtha_01/10/12 100 ug/mL	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 09:20 by YNB
Vendor:	AccuStandard	**Lot Numb**	211091015

50 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
Naptha	8030-30-6	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1123010	GASDRO:Naphtha, Stock	09/23/11	** Vendor **	09/01/21	09/23/11 10:21 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10006

Description:	GAS: Turpentine_01/10/12 100 ug/m	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 09:25 by YNB
Vendor:	AccuStandard	**Lot Numb**	045-361

50 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
Turpentine	8006-64-2	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1B16005	DRO:Turpentine, Stock	02/16/11	** Vendor **	11/21/18	02/16/11 12:36 by YNB	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10007

Description:	GAS: Mineral Spirits_01/10/12 100 ı	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 09:28 by YNB
Vendor:	AccuStandard	**Lot Numb**	B8050069

50 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
Mineral spirits	64475-85-0	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1I23008	GASGRO:Mineral Spirits, Stock	09/23/11	** Vendor **	05/09/18	09/23/11 10:12 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10009

Description:	GAS: Lacquer Thinner_01/10/12 10(	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 09:32 by YNB
Vendor:	AccuStandard	**Lot Numb**	125-049

50 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
Lacquer thinner	64742-89-8	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1123012	GASDRO:Lacquer Thinner, Stock	09/23/11	** Vendor **	04/30/19	09/23/11 10:23 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10011

Description:	GAS: Stoddard Solvent_01/10/12 10	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 09:35 by YNB
Vendor:	AccuStandard	**Lot Numb**	B0100498

50 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
Stoddard solvent	8052-41-3	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1I23004	GRO:Stoddard Solvent, Stock	09/23/11	** Vendor **	04/26/20	09/23/11 10:18 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10012

Description:	GAS: Diesel 100 ug/mL	**Expires:**	07/10/12
Standard Type:	Other Solution	**Prepared:**	01/10/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/10/12 10:05 by YNB
Vendor:	Restek	**Lot Numb**	A069478

20 uL in 10mL of MeOH

Analyte	CAS Number	Concentration (ppm)
TPH as Diesel	68334-30-5	100
TPH - Diesel Range Organics	TPH-DRO	100

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1C22022	DRO:Diesel Fuel #2 Composite St	03/22/11	** Vendor **	09/30/16	03/22/11 11:18 by YNB	0.02

Analytical Standard Record

EPA Region 9 Laboratory

2A24003

Description:	GAS SURR ARCH 625ppm (01/24/1	**Expires:**	06/24/12
Standard Type:	Surrogate Spike	**Prepared:**	01/24/12
Solvent:	MeOH Lot # DB939	**Prepared By:**	Yelena Borinshteyn
Final Volume (mls):	10	**Department:**	Extractables
Vials:	1	**Last Edit:**	01/24/12 10:27 by YNB
Vendor:	Restek	**Lot Numb**	A067627

MeOH Lot# DB939

Analyte	CAS Number	Concentration (ppm)
a,a,a-Trifluorotoluene	98-08-8	625

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
0D22008	GAS ARCH: Alpha, Alpha, Alpha-	04/22/10	** Vendor **	06/30/18	04/22/10 11:29 by YNB	0.625