United States Environmental Protection Agency
Region 9 Laboratory

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

Date: 2/13/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12034C

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

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
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

DIM0278450

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	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12034C
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/13/12 11:11
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW42	1202011-01	Water	02/02/12 10:28	02/03/12 10:00
HW46	1202011-02	Water	02/02/12 11:39	02/03/12 10:00
HW46-P	1202011-03	Water	02/02/12 11:24	02/03/12 10:00
TB15	1202011-04	Water	02/02/12 07:50	02/03/12 10:00
FB08	1202011-05	Water	02/01/12 14:45	02/03/12 10:00
HW34a	1202011-06	Water	02/01/12 15:47	02/03/12 10:00
HW34a-P	1202011-07	Water	02/01/12 15:55	02/03/12 10:00
TB14	1202011-08	Water	02/01/12 10:10	02/03/12 10:00
FB09	1202011-09	Water	02/02/12 10:15	02/03/12 10:00
HW42z	1202011-10	Water	02/02/12 10:29	02/03/12 10:00
TB16	1202011-11	Water	02/02/12 07:57	02/03/12 10:00

SDG ID 12034C

Work Order(s)

1202011

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	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12034C
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/13/12 11:11
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202011-01									**Water - Sampled: 02/02/12 10:28**
Sample ID: HW42									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202011-02									**Water - Sampled: 02/02/12 11:39**
Sample ID: HW46									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202011-03									**Water - Sampled: 02/02/12 11:24**
Sample ID: HW46-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			100 %	*76-121%*		"	"	"	
Lab ID: 1202011-04									**Water - Sampled: 02/02/12 07:50**
Sample ID: TB15									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			100 %	*76-121%*		"	"	"	
Lab ID: 1202011-05									**Water - Sampled: 02/01/12 14:45**
Sample ID: FB08									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202011-06									**Water - Sampled: 02/01/12 15:47**
Sample ID: HW34a									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			98 %	*76-121%*		"	"	"	
Lab ID: 1202011-07									**Water - Sampled: 02/01/12 15:55**
Sample ID: HW34a-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	J, Q4, U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			98 %	*76-121%*		"	"	"	
Lab ID: 1202011-08									**Water - Sampled: 02/01/12 10:10**
Sample ID: TB14									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202011-09									**Water - Sampled: 02/02/12 10:15**
Sample ID: FB09									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380

United States Environmental Protection Agency

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Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/13/12 11:11
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202011-09									**Water - Sampled: 02/02/12 10:15**
Sample ID: FB09									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
Surrogate: a,a,a-Trifluorotoluene			104 %	*76-121%*		*B2B0016*	*02/03/12*	*02/03/12*	
Lab ID: 1202011-10									**Water - Sampled: 02/02/12 10:29**
Sample ID: HW42z									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202011-11									**Water - Sampled: 02/02/12 07:57**
Sample ID: TB16									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			97 %	*76-121%*		"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0016 - 5030 P&T TPH-G - TPH - Purgeable										**Prepared & Analyzed: 02/03/12**
								Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control		
Blank (B2B0016-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*125*			"	*125*		100	*76-121*		
LCS (B2B0016-BS1)										
TPH as Gasoline	518		50	ug/L	500		104	75-114		200
Surrogate: a,a,a-Trifluorotoluene	*130*			"	*125*		104	*76-121*		
Matrix Spike (B2B0016-MS1)		**Source: 1202011-07**								
TPH as Gasoline	562		50	ug/L	500	ND	112	71-114		11
Surrogate: a,a,a-Trifluorotoluene	*130*			"	*125*		104	*76-121*		
Matrix Spike Dup (B2B0016-MSD1)		**Source: 1202011-07**								
TPH as Gasoline	582		50	ug/L	500	ND	**116**	71-114	3	11
Surrogate: a,a,a-Trifluorotoluene	*132*			"	*125*		105	*76-121*		

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Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/13/12 11:11
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Qualifiers and Comments

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported

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

09225

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 ~~9~~ 10, 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 11 water samples for the Dimock Residential Groundwater Site project, Case R33911, SDG 12034C, Work Order 1202011 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.

G:\USER\ESAT\# LAB DATA Deliverables\R33911\12034C-TPH-gas-14489.docx

EPA Region 9 Laboratory

DATA PACKAGE

Analysis:	**TPH-gas**
Project Number:	**R33911**
SDG Number:	**12034C**
Work Order:	**1202011**
ESAT DCN:	**14489**

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: 12034C

Analysis: purgeable TPH

Number of Pages: 167

Reviewer: Bauer

- ☑ 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: OK

Reviewer Signature RM

Date 2/13/12

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ESAT Region 9 | **ICF International**
Case: R33911 | **Analysis:** TPH-gas | **TDF:** 01001084 | **Matrix:** water
DCN: 14489 | **Site:** Dimock Residential Groundwater Site | **SDG:** 12034C

ESAT REGION 9 DATA PACKAGE TECHNICAL REVIEW GUIDE

Reviewer:	Package Prep (P): YNB	Technical (T):	Final (F):
	Date: 02.08.12	Date: 2/10/12	Date: 2/10/12

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: 14489 **Site:** Dimock Residential Groundwater Site **SDG:** 12034C

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 analyzed on the same day of recieval
¤ ¤ ¤ ✓ 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)

Organics Daily Folder Preparation/Technical Review Guide

Analysis Method	TPH GAS	Analyst Initial	YRB	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**	SL	**Batch/ Sequence**	B2B0016/2020012
Instrument ID	**AG 5975 D**	**Date Analyzed**	02.03.12	**Date**	2/7/12	**Chemstation Last Update**	Wed Jan 25 10:49:01 2012
Cases	**R33911**			**SDGs**	**12034A** YNB 02.07.12		

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
	MSD1	OK	≤20%					
	↓ 0203126D018	116%	71-114%					

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: 00006

USEPA Region 9 Laboratory
Organic Analysis Summary

Case: R33911
SDG: 12034C
Analysis: TPH GRO

YNB

Sample ID	Sample Runs	
Instrument:	AG5975D	INSTRUMENT
Analysis Date:	2/3/2012	
Sequence:	2020012	
1202011-01	RPT	
1202011-02	RPT	
1202011-03	RPT	
1202011-04	RPT	
1202011-05	RPT	
1202011-06	RPT	
1202011-07	RPT	
B2B0016-MS1	RPT	
B2B0016-MSD1	RPT	
1202011-08	RPT	
1202011-09	RPT	
1202011-10	RPT	
1202011-11	RPT	
	RPT B2B0016-BLK1	
	RPT B2B0016-BS1	

Definitions

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

00234

SAMPLE TRACKING FORMS

WORK ORDER

1202011

EPA Region 9 Laboratory

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

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

Project Contact
US EPA Region 3, Eastern Response Branch
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	2	Yes	Yes	Yes	No	Yes	
2Cooler	Default Cooler	2	Yes	Yes	Yes	No	Yes	
3Cooler	Default Cooler	2	Yes	Yes	Yes	No	Yes	
4Cooler	Default Cooler	1	Yes	Yes	Yes	No	Yes	

Date Due:	02/25/12 15:00 (21 day TAT)	SDG:	12034C
Received By:	Jack Berges	Date Received:	02/03/12 10:00
Logged In By:	Garrett Peterson	Date Logged In:	02/03/12 11:07

Analysis	Hold Time Expires	Comments
1202011-01 HW42 [Water] Sampled 02/02/12 10:28 Pacific		
Dissolved HC Gases	02/16/12	5 day prelim results
TPH - Extractable	02/09/12	
TPH - Purgeable	02/16/12	
1202011-02 HW46 [Water] Sampled 02/02/12 11:39 Pacific		
TPH - Purgeable	02/16/12	
Dissolved HC Gases	02/16/12	5 day prelim results
TPH - Extractable	02/09/12	
1202011-03 HW46-P [Water] Sampled 02/02/12 11:24 Pacific		
TPH - Extractable	02/09/12	
TPH - Purgeable	02/16/12	
Dissolved HC Gases	02/16/12	5 day prelim results
1202011-04 TB15 [Water] Sampled 02/02/12 07:50 Pacific		
TPH - Purgeable	02/16/12	
Dissolved HC Gases	02/16/12	5 day prelim results

WORK ORDER

Printed: 2/3/2012 12:15:50PM

1202011

EPA Region 9 Laboratory

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

Analysis	Hold Time Expires	Comments

Analysis	Expires	Comments
1202011-05 FB08 [Water] Sampled 02/01/12 14:45 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Extractable	02/08/12	
1202011-06 HW34a [Water] Sampled 02/01/12 15:47 Pacific		
TPH - Purgeable	02/15/12	
TPH - Extractable	02/08/12	
Dissolved HC Gases	02/15/12	5 day prelim results
1202011-07 HW34a-P [Water] Sampled 02/01/12 15:55 Pacific		**Extra volume for lab QC**
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Extractable	02/08/12	
1202011-08 TB14 [Water] Sampled 02/01/12 10:10 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
1202011-09 FB09 [Water] Sampled 02/02/12 10:15 Pacific		
TPH - Extractable	02/09/12	
TPH - Purgeable	02/16/12	
Dissolved HC Gases	02/16/12	5 day prelim results
1202011-10 HW42z [Water] Sampled 02/02/12 10:29 Pacific		
TPH - Extractable	02/09/12	
TPH - Purgeable	02/16/12	
Dissolved HC Gases	02/16/12	5 day prelim results
1202011-11 TB16 [Water] Sampled 02/02/12 07:57 Pacific		
Dissolved HC Gases	02/16/12	5 day prelim results
TPH - Purgeable	02/16/12	

Reviewed By Date

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7931 8684 8023

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020212-155835-0089
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW42	Drinking Water/ Bryan Berna	Grab	DRO(7), DRO(7)	2762 (-NA- / 1000mlAmber), 2763 (-NA- / 1000mlAmber) (2)	HW42	02/02/2012 10:28	
HW46	Drinking Water/ Mike Ferrier	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2880 (HCl / 40mlGlassVial), 2881 (HCl / 40mlGlassVial), 2902 (HCl / 40mlGlassVial), 2903 (HCl / 40mlGlassVial) (4)	HW46	02/02/2012 11:39	
HW46-P	Drinking Water/ David Johnson	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2916 (HCl / 40mlGlassVial), 2917 (HCl / 40mlGlassVial), 2934 (-NA- / 1000mlAmber), 2935 (-NA- / 1000mlAmber), 2938 (HCl / 40mlGlassVial), 2939 (HCl / 40mlGlassVial) (6)	HW46	02/02/2012 11:24	
TB15	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2813 (HCl / 40mlGlassVial), 2814 (HCl / 40mlGlassVial), 2815 (HCl / 40mlGlassVial), 2816 (HCl / 40mlGlassVial) (4)	TB15	02/02/2012 07:50	

Special Instructions: COOLER @ 2°C, SEALS INTACT, ON ICE 2011 2/3/12

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
16	[signature]	2/2/12	[signature] CALAS	2/3/12	1000						

COOLER #1

00237

00011

DIM0278450

DIM0278467

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7931 8426 1205

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020212-102536-0077
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB08	Aqueous/ David Johnson	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2604 (HCl / 40mlGlassVial), 2605 (HCl / 40mlGlassVial), 2626 (HCl / 40mlGlassVial), 2627 (HCl / 40mlGlassVial) (4)	FB08	02/01/2012 14:45	
HW34a	Drinking Water/ Tom Sedlacek	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2640 (HCl / 40mlGlassVial), 2641 (HCl / 40mlGlassVial), 2662 (HCl / 40mlGlassVial), 2663 (HCl / 40mlGlassVial) (4)	HW34a	02/01/2012 15:47	

COOLER @ 2°C, SEALS INTACT, ON ICE

Sample(s) to be used for Lab QC: HW34a-P

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
8	[signature]	2/2/12	[signature]	2/3/12	1000						

COOLER # 2

00238

00212

DIM0278450

DIM0278468

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7931 8426 1205

CHAIN OF CUSTODY RECORD

Case #: GT5865

No: 3-020212-102536-0077
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW34a-P	Drinking Water/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7), DRO(7), DRO(7), DRO(7), DRO(7), RSK-175(7), RSK-175(7), RSK-175(7), RSK-175(7), GRO(7), GRO(7), GRO(7), GRO(7)	2679 (HCl / 40mlGlassVial), 2680 (HCl / 40mlGlassVial), 2697 (-NA- / 1000mlAmber), 2698 (-NA- / 1000mlAmber), 2701 (HCl / 40mlGlassVial), 2702 (HCl / 40mlGlassVial), 2715 (-NA- / 1000mlAmber), 2716 (-NA- / 1000mlAmber), 2717 (-NA- / 1000mlAmber), 2718 (-NA- / 1000mlAmber), 2725 (HCl / 40mlGlassVial), 2726 (HCl / 40mlGlassVial), 2727 (HCl / 40mlGlassVial), 2728 (HCl / 40mlGlassVial), 2729 (HCl / 40mlGlassVial), 2730 (HCl / 40mlGlassVial), 2731 (HCl / 40mlGlassVial), 2732 (HCl / 40mlGlassVial) (18)	HW34a	02/01/2012 15:55	
TB14	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2486 (HCl / 40mlGlassVial), 2487 (HCl / 40mlGlassVial), 2488 (HCl / 40mlGlassVial), 2489 (HCl / 40mlGlassVial) (4)	TB14	02/01/2012 10:10	

Sample(s) to be used for Lab QC: HW34a-P

COOLER @ ~~28~~ 2°C, SEALS INTACT, ON ICE KAP 2/3/12

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
22	[signature]	2/2/12	[signature] KALAB	2/3/12	1000						

COOLER #2

08239

00013

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7980 1706 1646

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020212-152058-0085
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB09	Aqueous/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2780 (HCl / 40mlGlassVial), 2781 (HCl / 40mlGlassVial), 2798 (-NA- / 1000mlAmber), 2799 (-NA- / 1000mlAmber), 2802 (HCl / 40mlGlassVial), 2803 (HCl / 40mlGlassVial) (6)	FB09	02/02/2012 10:15	
HW42	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2744 (HCl / 40mlGlassVial), 2745 (HCl / 40mlGlassVial), 2766 (HCl / 40mlGlassVial), 2767 (HCl / 40mlGlassVial) (4)	HW42	02/02/2012 10:28	
HW42z	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2844 (HCl / 40mlGlassVial), 2845 (HCl / 40mlGlassVial), 2862 (-NA- / 1000mlAmber), 2863 (-NA- / 1000mlAmber), 2866 (HCl / 40mlGlassVial), 2867 (HCl / 40mlGlassVial) (6)	HW42	02/02/2012 10:29	
HW46	Drinking Water/ Mike Ferrier	Grab	DRO(7), DRO(7)	2898 (-NA- / 1000mlAmber), 2899 (-NA- / 1000mlAmber) (2)	HW46	02/02/2012 11:39	

Special Instructions: COOLER @ 2°C, SEALS INTACT, ON ICE SRB 2/3/12

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
18	[signature]	2/2/12	[signature]	2/3/12	10:00						

COOLER #3

00246

00011

DIM0278450

DIM0278470

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7980 1706 1646

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020212-152058-0085
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
TB16	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2820 (HCl / 40mlGlassVial), 2821 (HCl / 40mlGlassVial), 2822 (HCl / 40mlGlassVial), 2823 (HCl / 40mlGlassVial) (4)	TB16	02/02/2012 07:57	

Special Instructions: COOLER @ 2°C, SEALS INTACT, ON ICE JAD 2/3/12

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
4	[signature]	2/2/12	[signature]	2/3/12	1000						

COOLER #3

00241

00015

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/2/2012
CarrierName: FedEx
AirbillNo: 7980 1488 2809

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020212-104524-0078

Lab: EPA R8 Laboratory
Lab Contact:
Lab Phone: 510.412.2389

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB08	Aqueous/ David Johnson	Grab	DRO(7), DRO(7)	2622 (-NA- / 1000mlAmber), 2623 (-NA- / 1000mlAmber) (2)	FB08	02/01/2012 14:45	
HW34a	Drinking Water/ Tom Sedlacek	Grab	DRO(7), DRO(7)	2658 (-NA- / 1000mlAmber), 2659 (-NA- / 1000mlAmber) (2)	HW34a	02/01/2012 15:47	
				BOTTLE BROKEN IN TRANSIT LAB 2/3/12			

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DRO=11-Diesel Range Organics

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
4	[illegible]	2/2/12	[illegible]	2/3/12	10:00						

COOLER #4 - 1°C, SEALS INTACT LAB ON ICE 2/3/12

00242

00016

SAMPLE PREPARATION

PREPARATION BENCH SHEET

B2B0016

EPA Region 9 Laboratory

Printed: 2/3/2012 12:54:47PM

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	pH	Extraction Comments
1202011-01 C	HW42	02/03/12 12:52	5	5				1	YNB	<2	
1202011-02 C	HW46	02/03/12 12:52	5	5				1	YNB		
1202011-03 C	HW46-P	02/03/12 12:52	5	5				1	YNB		
1202011-04 A	TB15	02/03/12 12:52	5	5				1	YNB		
1202011-05 C	FB08	02/03/12 12:52	5	5				1	YNB		
1202011-06 C	HW34a	02/03/12 12:52	5	5				1	YNB		
1202011-07 G	HW34a-P	02/03/12 12:52	5	5				1	YNB		
1202011-08 A	TB14	02/03/12 12:52	5	5				1	YNB		
1202011-09 C	FB09	02/03/12 12:52	5	5				1	YNB		
1202011-10 C	HW42z	02/03/12 12:52	5	5				1	YNB		
1202011-11 A	TB16	02/03/12 12:52	5	5				1	YNB		
B2B0016-BLK1	Blank	02/03/12 10:52	5	5				1	YNB	—	
B2B0016-BS1	LCS	02/03/12 10:52	5	5	1J17001		2.5	1	YNB	—	
B2B0016-MS1	Matrix Spike	02/03/12 12:52	5	5	1J17001	1202011-07	2.5	1	YNB	<2	
B2B0016-MSD1	Matrix Spike Dup	02/03/12 12:52	5	5	1J17001	1202011-07	2.5	1	YNB	<2	

AG5975-D

Reagents

Reagent # **Description**

TD 02-09-12

Preparation Reviewed By Date

DIM0278450

DIM0278474

00245

Instrument: AG 5975D

Analysis Date: 01.24.12

INITIAL CALIBRATION DATA

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

00246

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	MIN.SPIRITS, 2A10007, WATER	24 Jan 2012 5:08 pm
15	012412GD015.D	1	2010034-ICB4	LACQUER, 2A10009, WATER	24 Jan 2012 5:37 pm
16	012412GD016.D	1	2010034-ICB5	STODDARD, 2A10011, WATER	24 Jan 2012 6:05 pm
17	012412GD017.D	1	2010034-ICB6	DIESEL, 2A10012, WATER	24 Jan 2012 6:33 pm

Response Factor Report GC-FID-PID

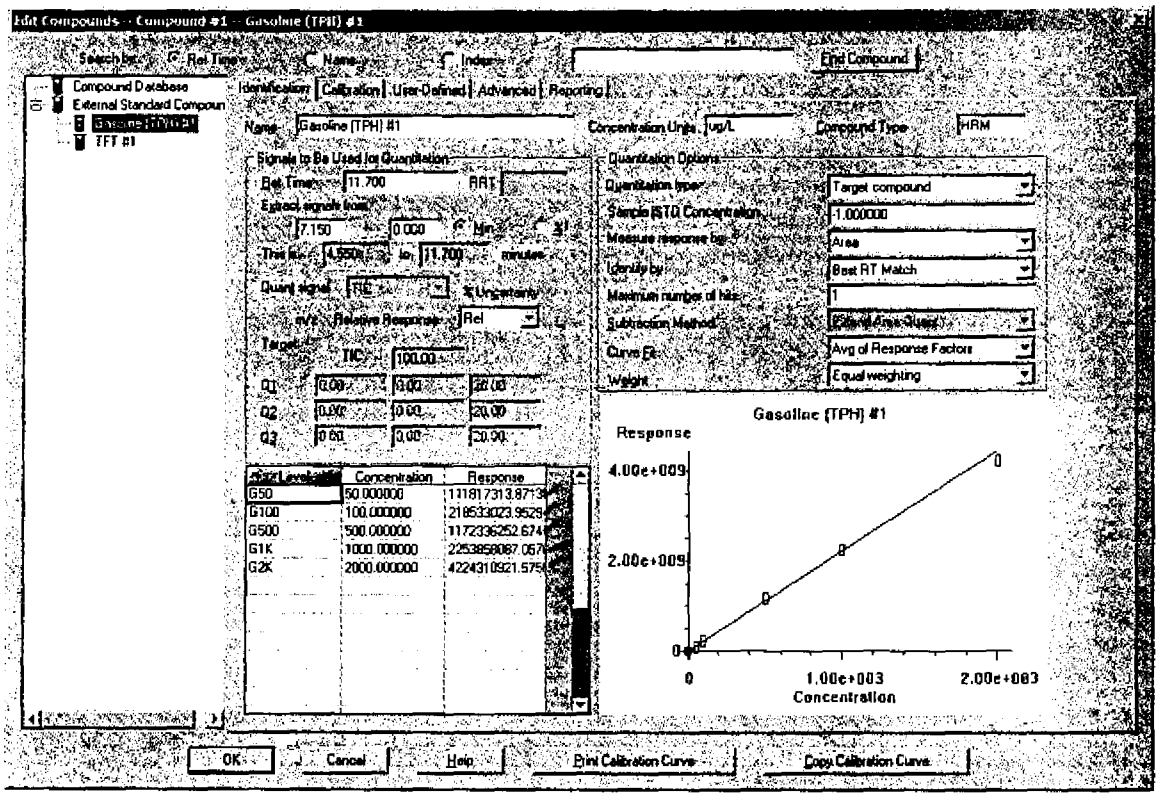
00247

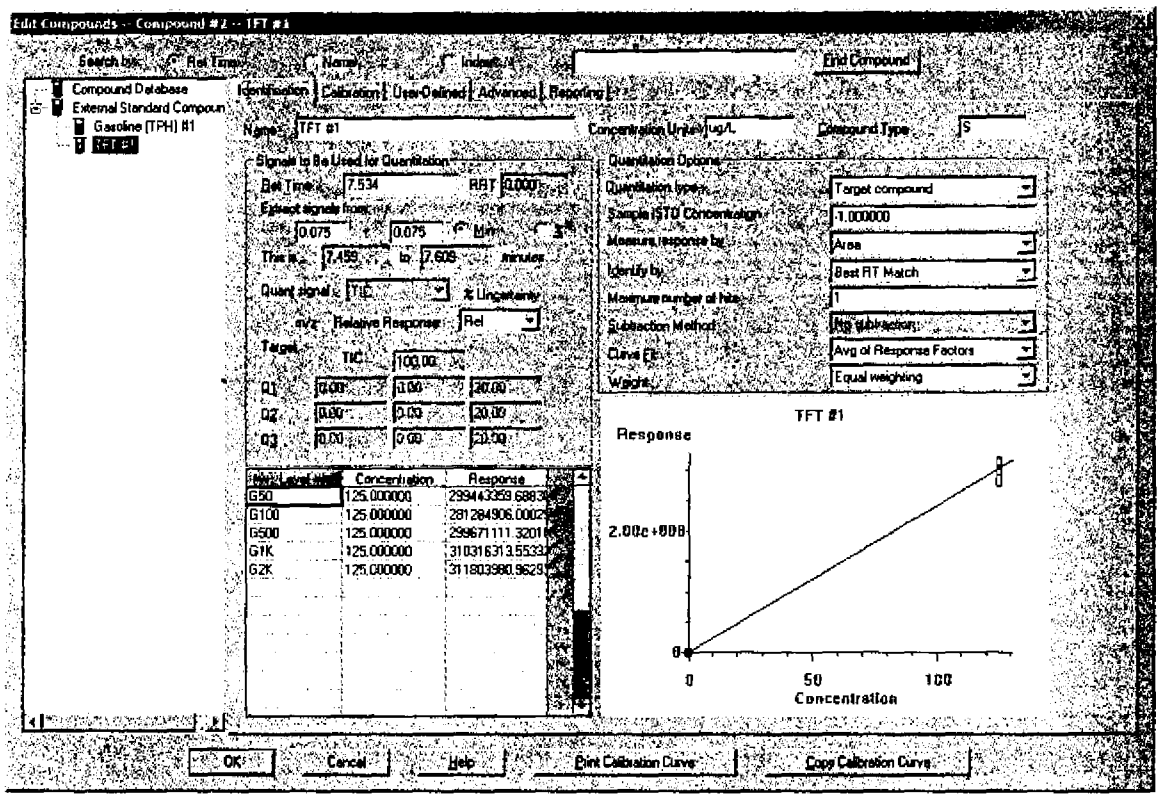
Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

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
Find Compound
Compound Database
External Standard Compoun
Gasoline (TPH) #1
TFT #1
Identification
Calibration
User-Defined
Advanced
Reporting
Name: Gasoline (TPH) #1
Concentration Units: ug/L
Compound Type: HRM
Signals to Be Used for Quantitation
Rel. Time: 11.700
RRT:
Extract signals from:
7.150
0.000
Min
Sec
Thru: 4.950
to: 11.700
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
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: Blank Area Quant
Curve Fit: Avg of Response Factors
Weight: Equal weighting
Gasoline (TPH) #1
Response
4.00e+009
2.00e+009
0
0
1.00e+003
2.00e+003
Concentration
Cal Level
Concentration
Response
G50 50.000000 1118173138713
G100 100.000000 2186330239529
G500 500.000000 11723362526741
G1K 1000.000000 22538980870670
G2K 2000.000000 42243109215750
OK
Cancel
Help
Print Calibration Curve
Copy Calibration Curve


Edit Compounds -- Compound #2 -- TFT #1
Search by
Rel Time
Name
Index/#
Find Compound
Compound Database
External Standard Compoun
Gasoline (TPH) #1
TFT #1
Identification
Calibration
User-Defined
Advanced
Reporting
Name
TFT #1
Concentration Units
ug/L
Compound Type
S
Signal to Be Used for Quantitation
Rel Time
7.534
RRT
0.000
Extract signals from
0.075
0.075
Min
Sec
Time is
7.459
to
7.609
minutes
Quant signal
TIC
% Linearity
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
Quantitation Options
Quantitation type
Target compound
Sample STD 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
Level
Concentration
Response
G50
125.000000
G100
125.000000
281284906.0002
G500
125.000000
299671111.3201
G1K
125.000000
310316313.5533
G2K
125.000000
311803980.9629
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

00250

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

00024

Quantitation Report (Not Reviewed)

00251

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.

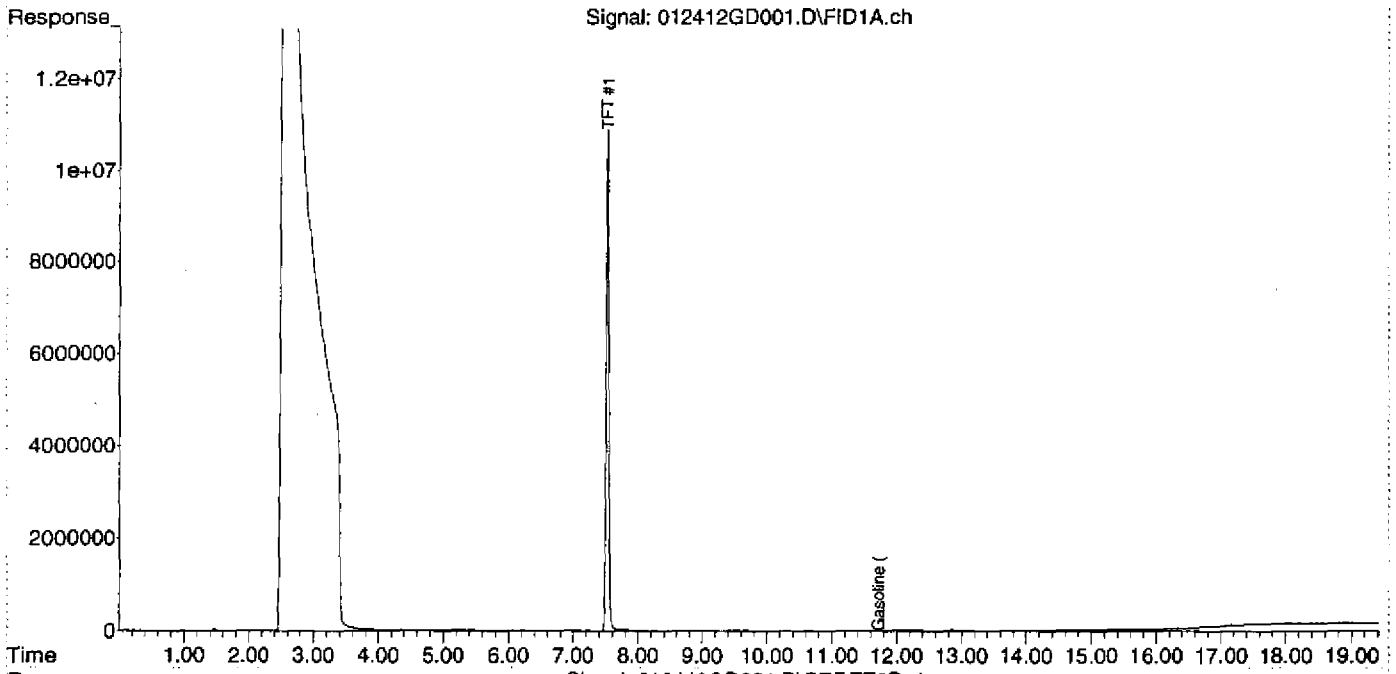
Quantitation Report (Not Reviewed)

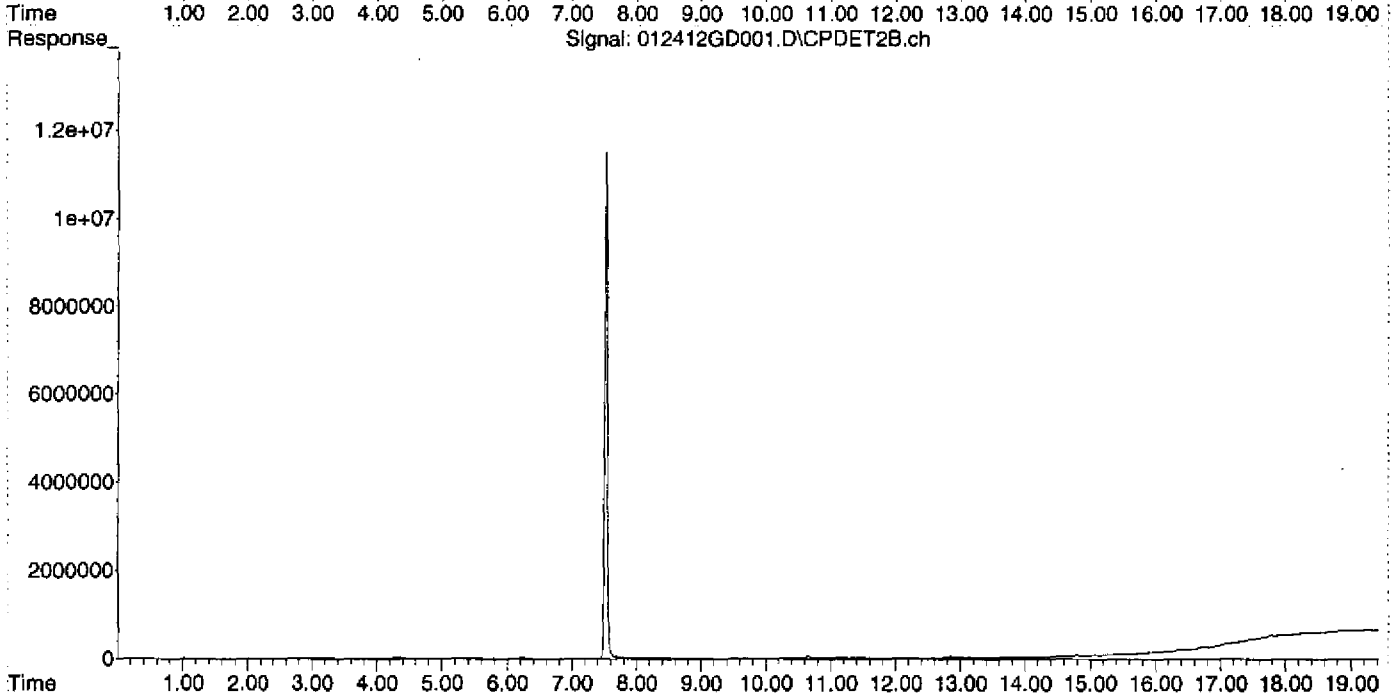
00252

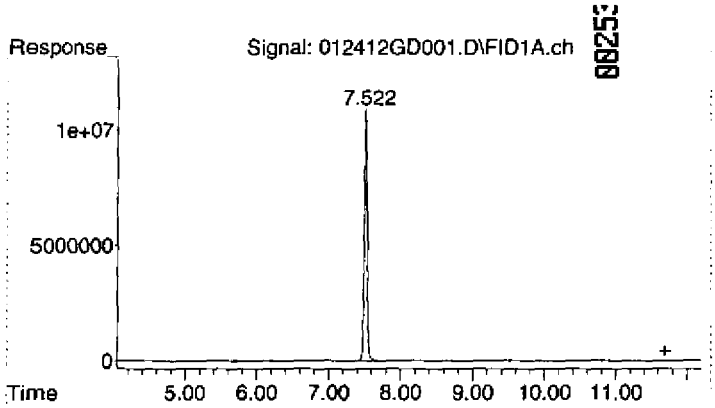
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 10:58 am
Operator : YNB
Sample : 2010034-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

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

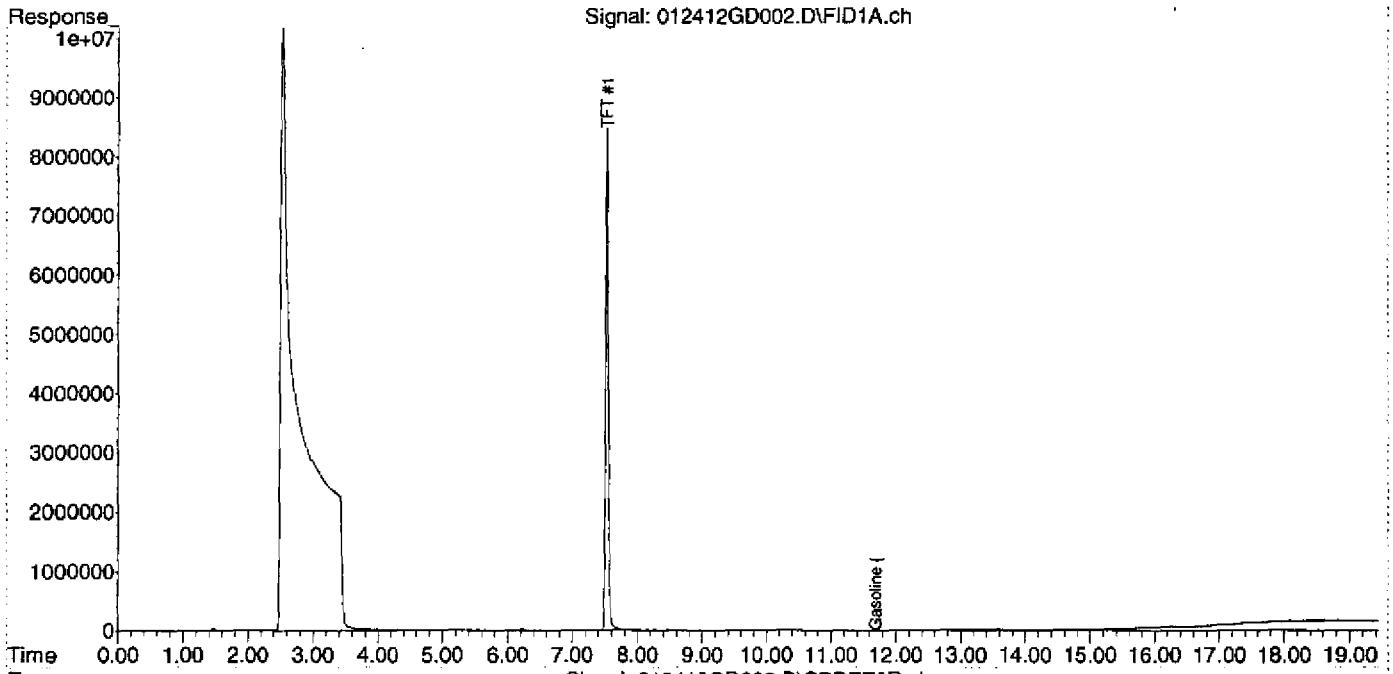
Quantitation Report (Not Reviewed)

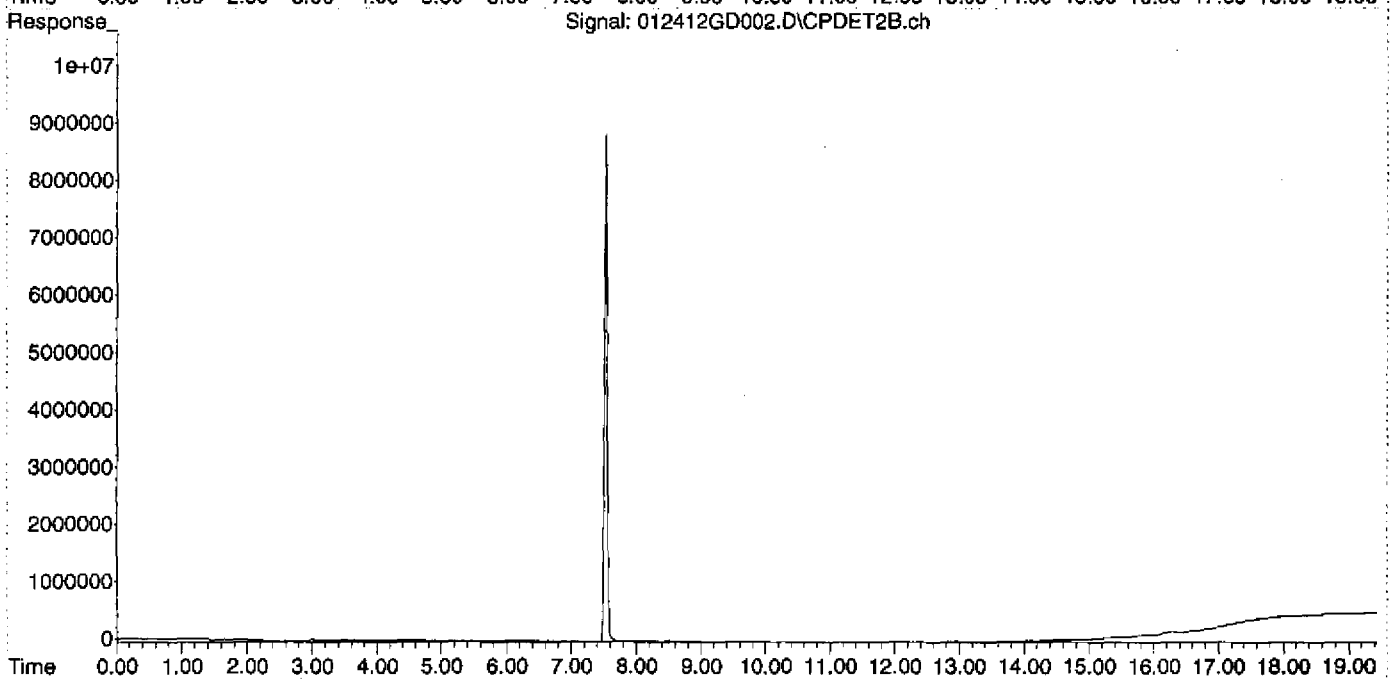
00254

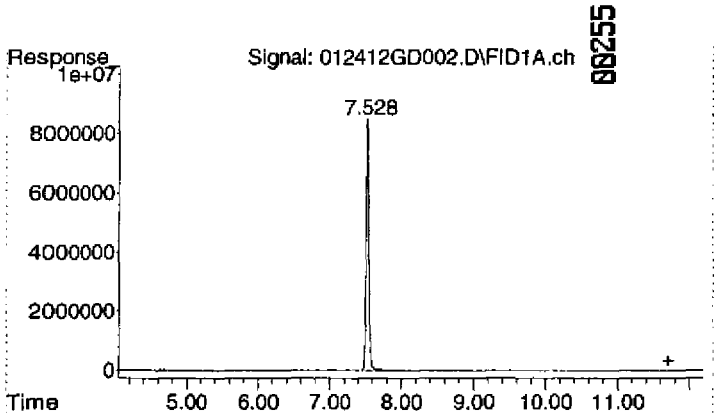
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:27 am
Operator : YNB
Sample : 2010034-IBL2
Misc : 2A24003, IB
ALS Vial : 2 Sample Multiplier: 1

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.

Quantitation Report (Not Reviewed)

00257

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.

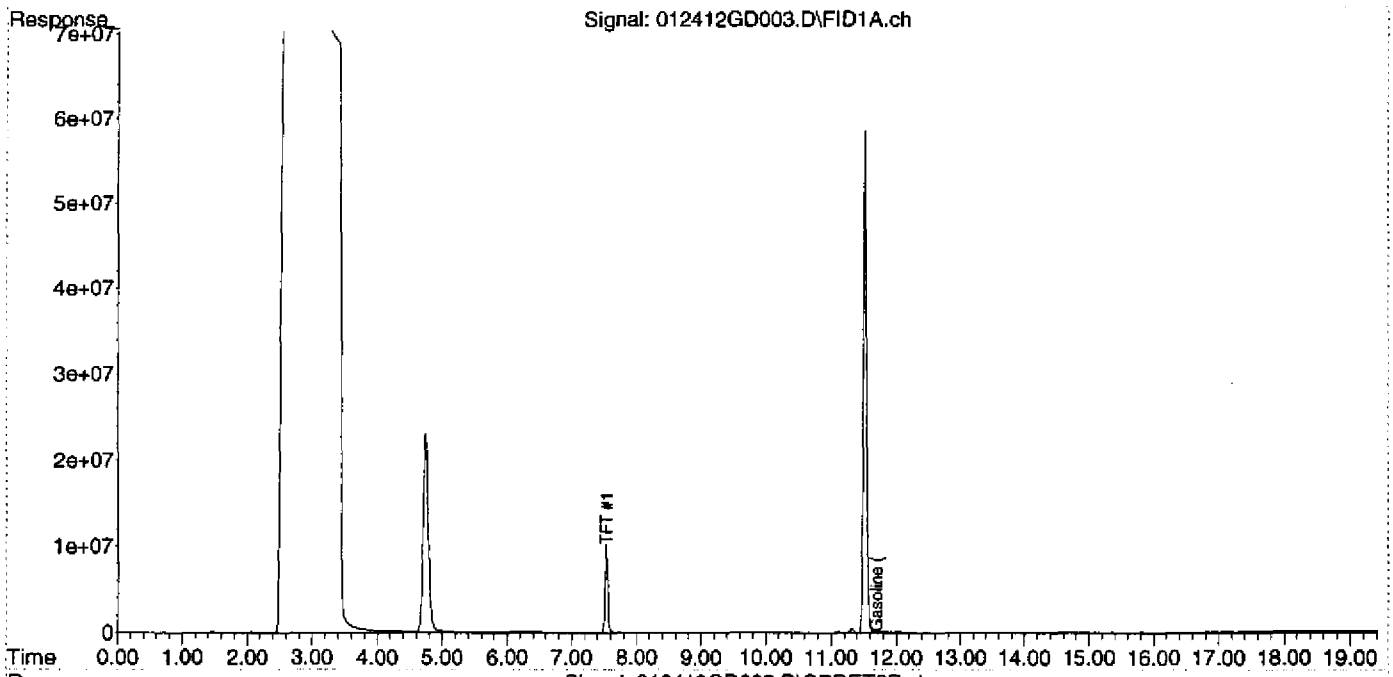
Quantitation Report (Not Reviewed)

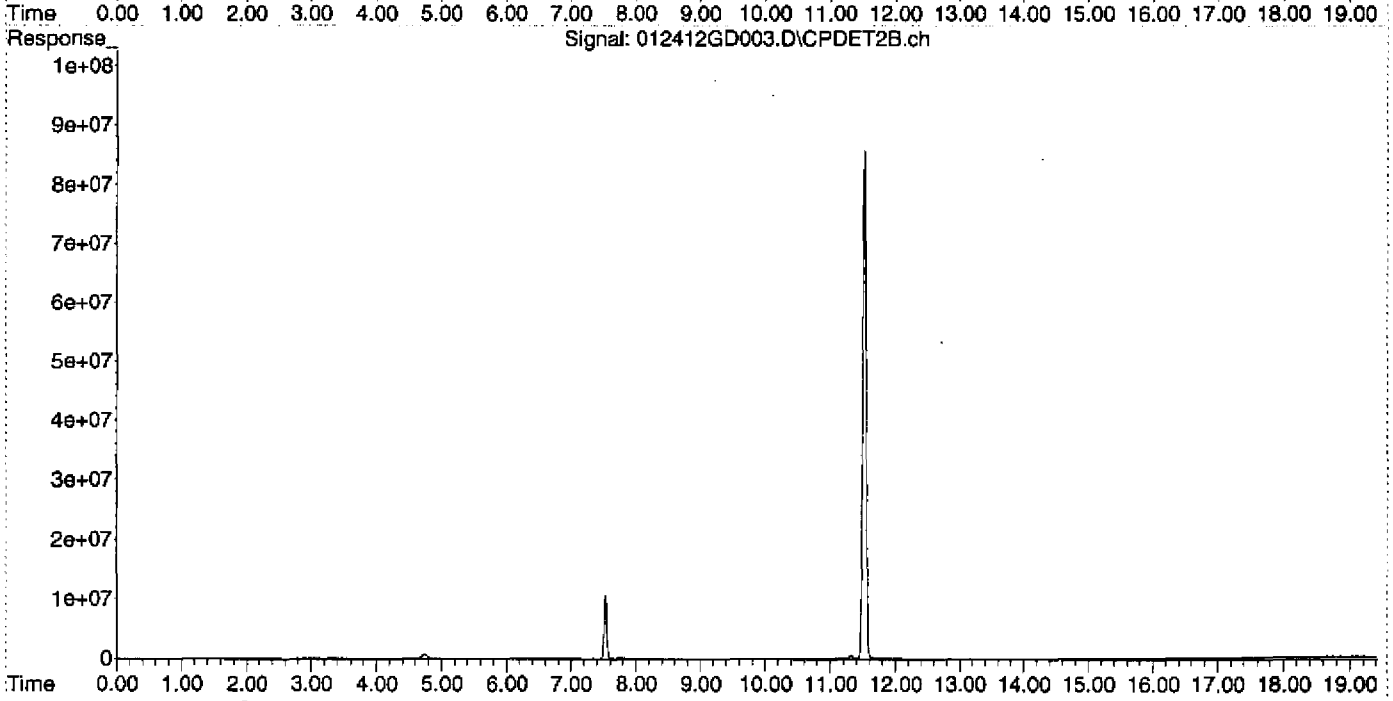
00258

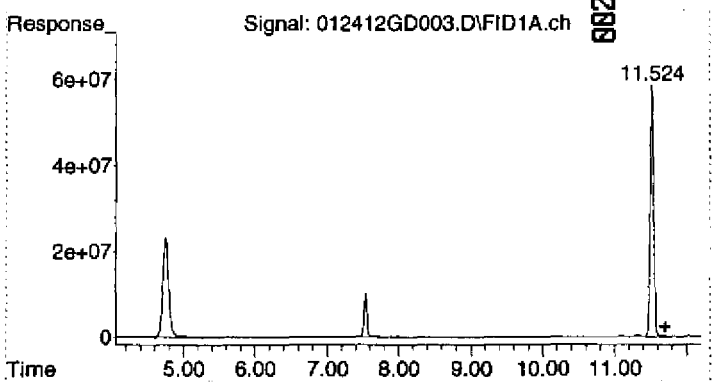
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

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







#1 Gasoline (TPH) #1

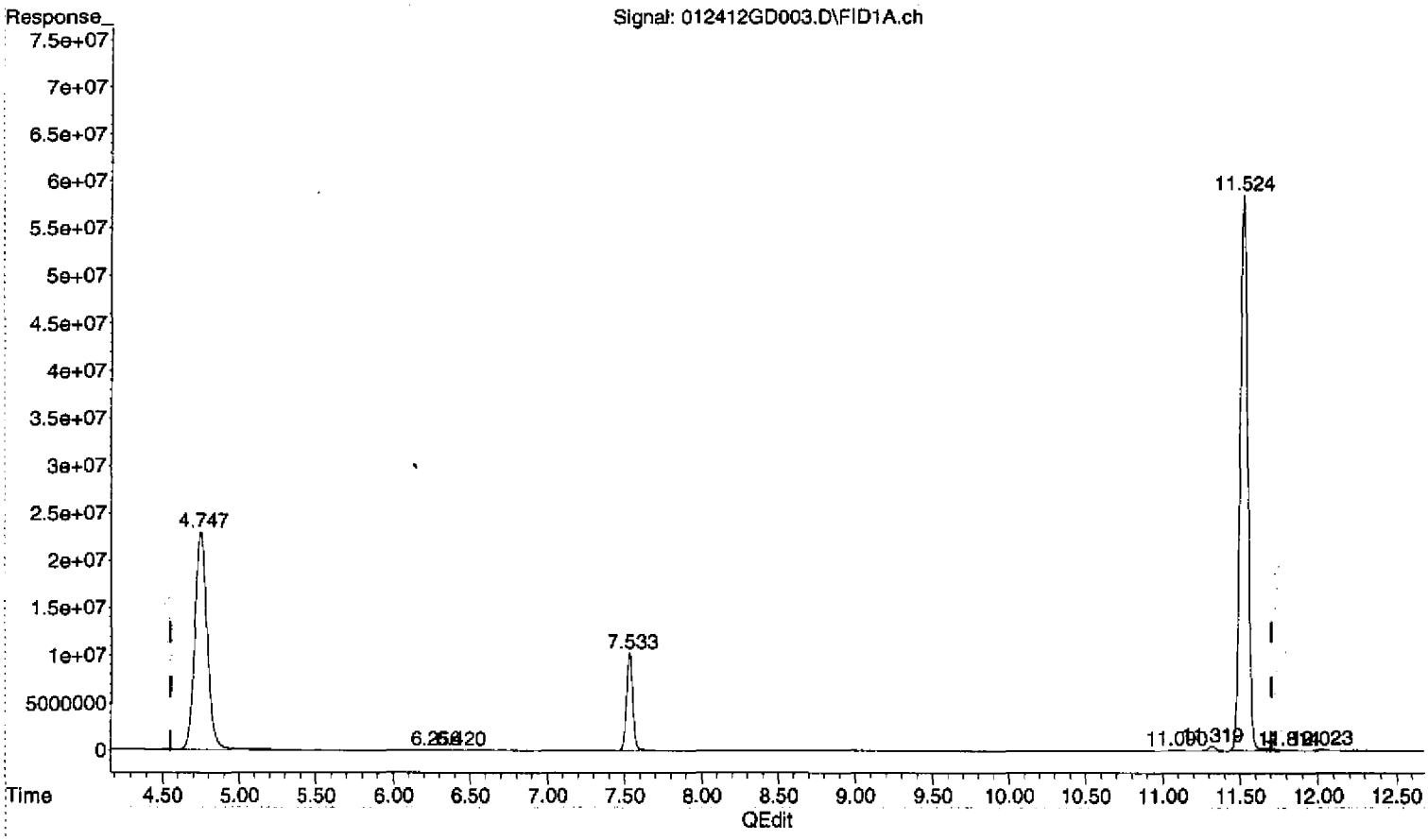
R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 3354126923
Conc: 1506.48 ug/L

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

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

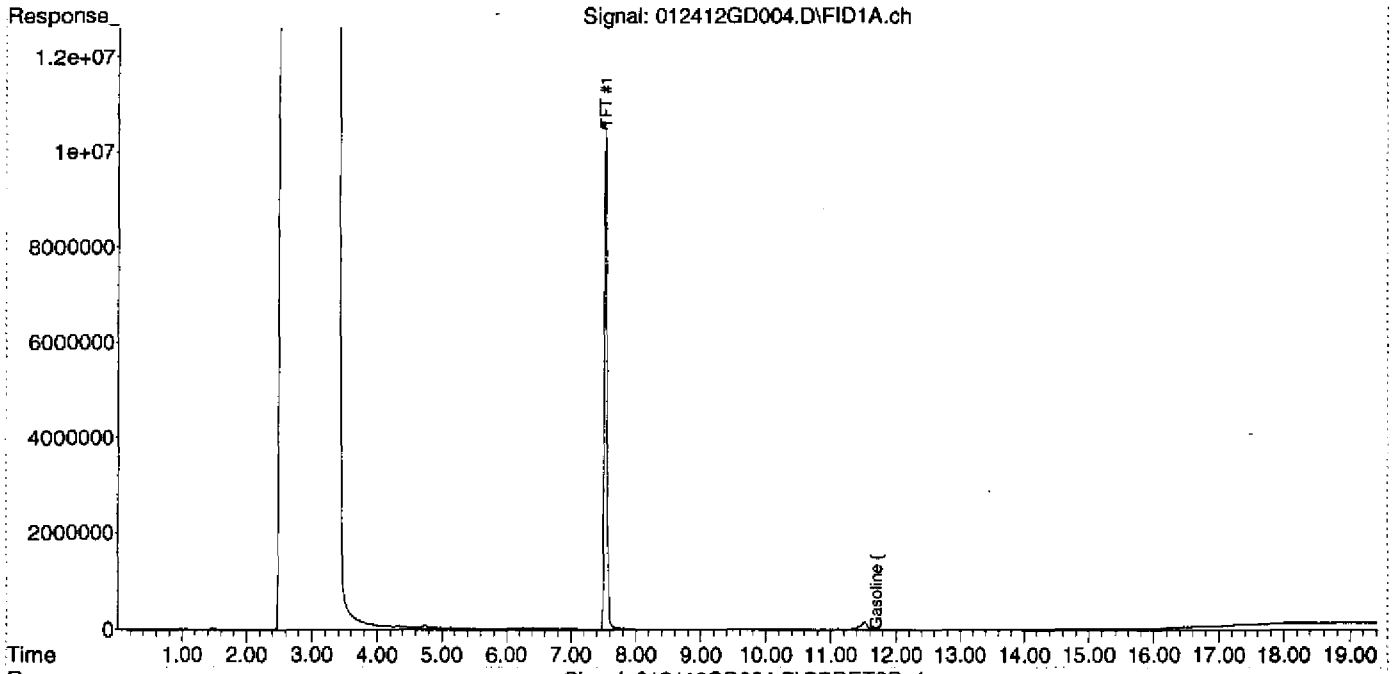
(f)=RT Delta > 1/2 Window (m)=manual int.

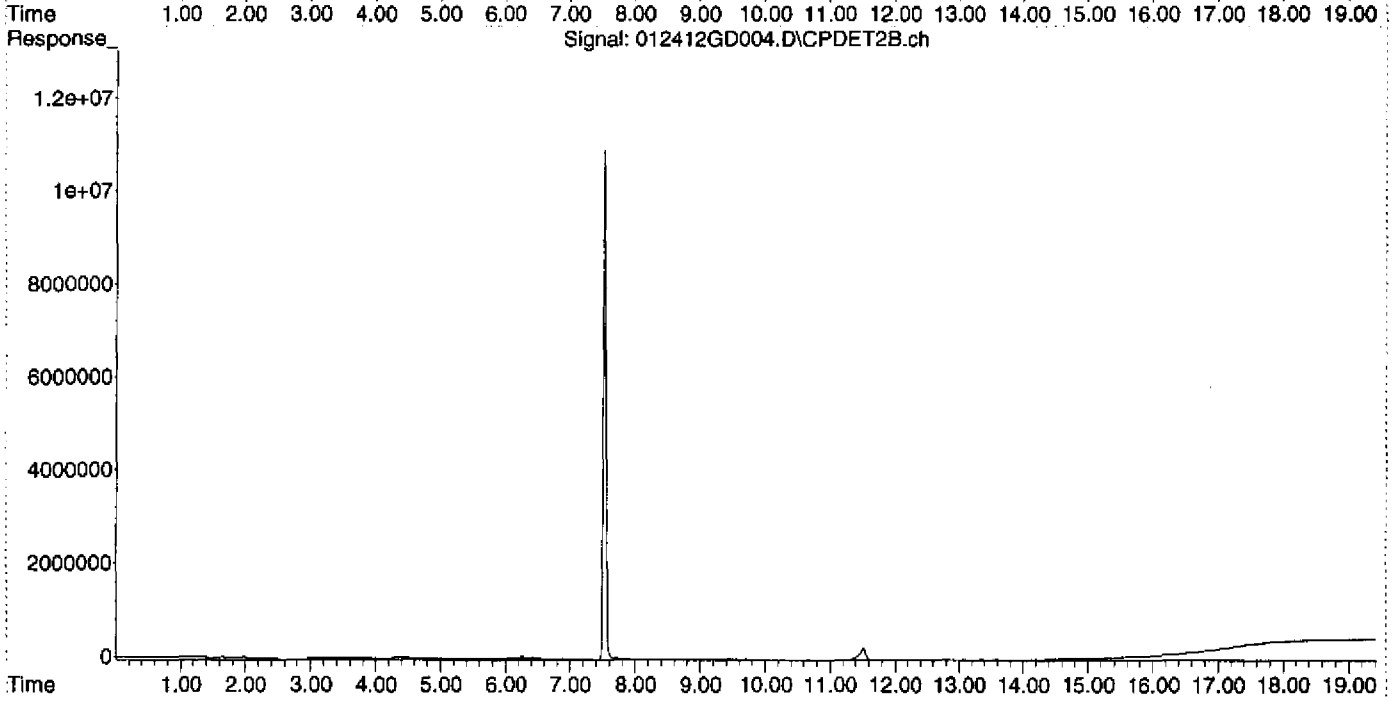
Quantitation Report (Not Reviewed)

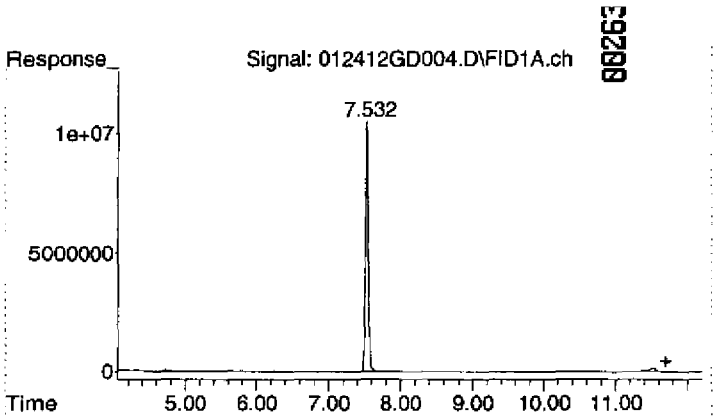
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:24 pm
Operator : YNB
Sample : 2010034-IBL3
Misc : 2A24003, IB
ALS Vial : 4 Sample Multiplier: 1

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







#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)

00264

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.

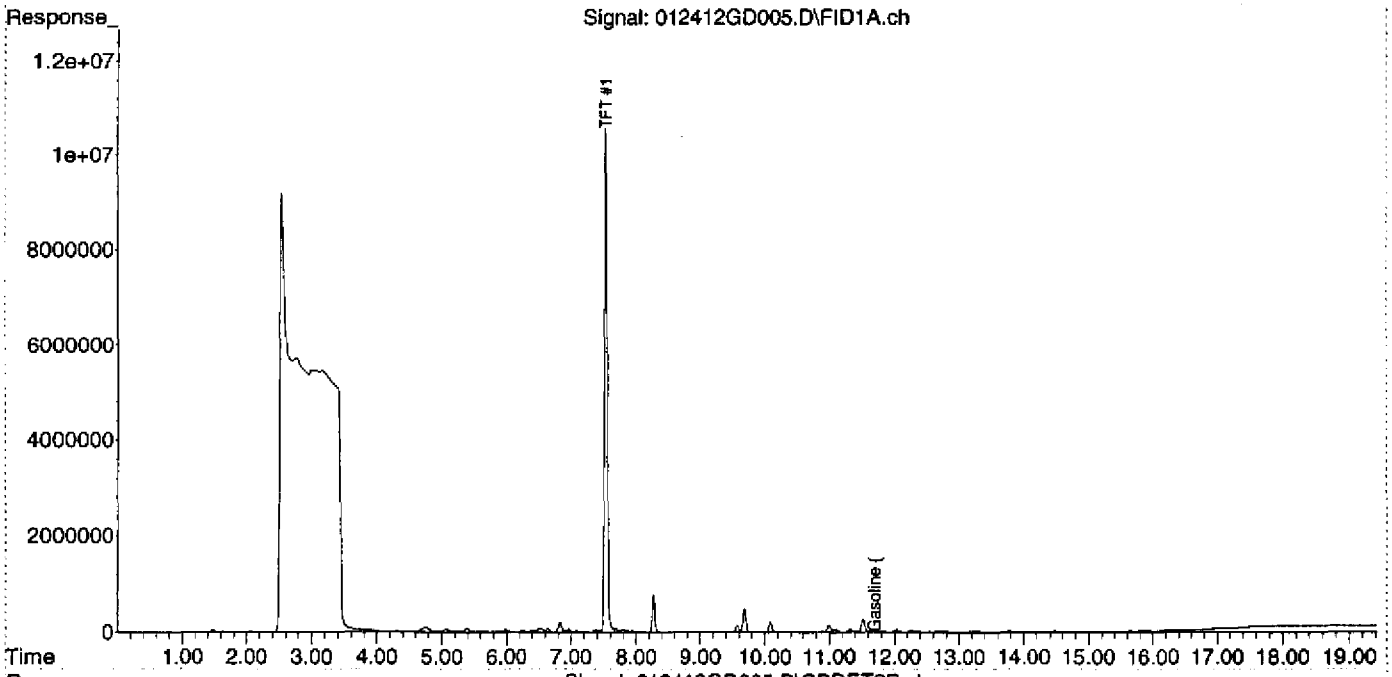
Quantitation Report (Not Reviewed)

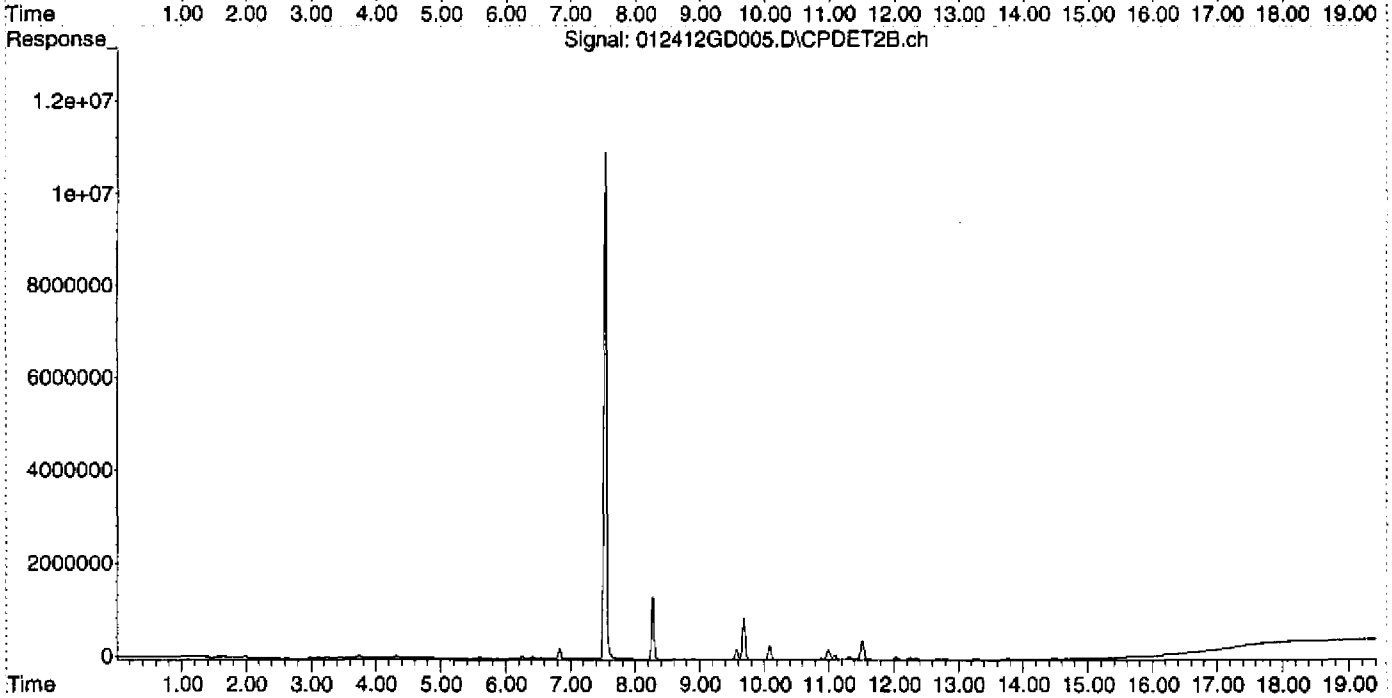
00265

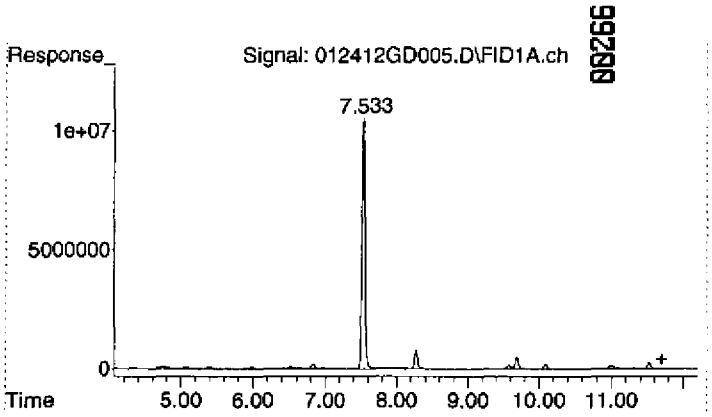
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:53 pm
Operator : YNB
Sample : 2010034-CAL1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quantitation Report (Not Reviewed)

00267

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

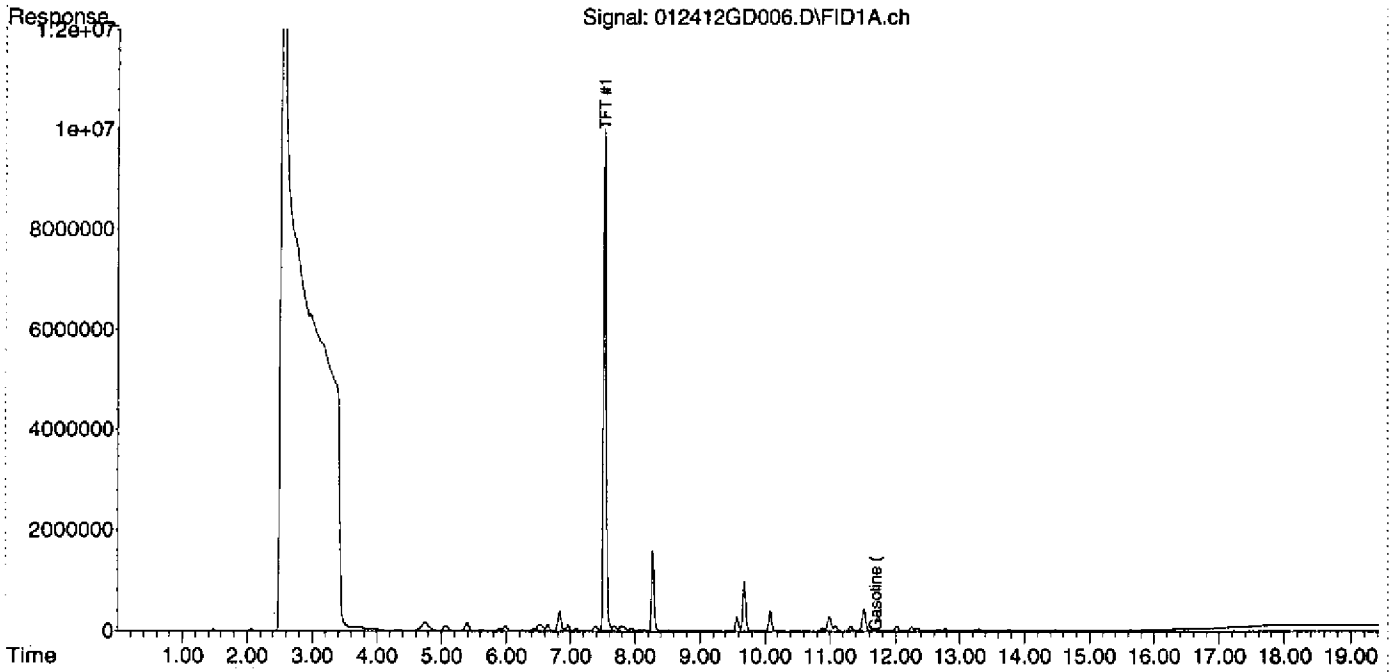
(f)=RT Delta > 1/2 Window (m)=manual int.

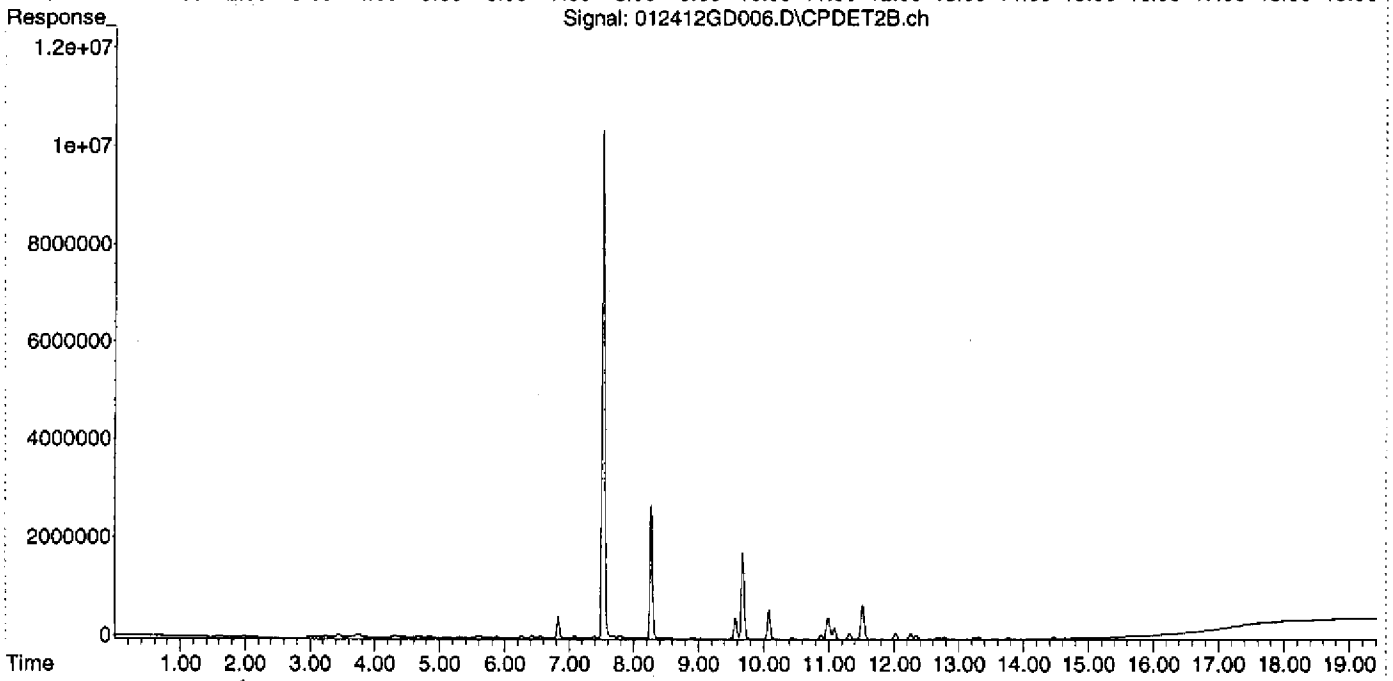
Quantitation Report (Not Reviewed)

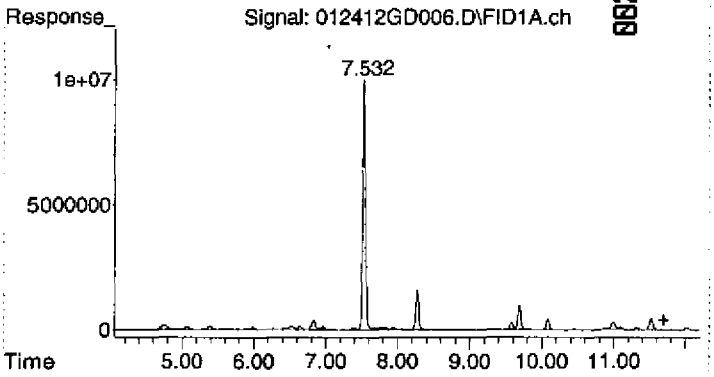
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:21 pm
Operator : YNB
Sample : 2010034-CAL2
Misc : 100ug/L, 1J17001, WATER
ALS Vial : 6 Sample Multiplier: 1

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.

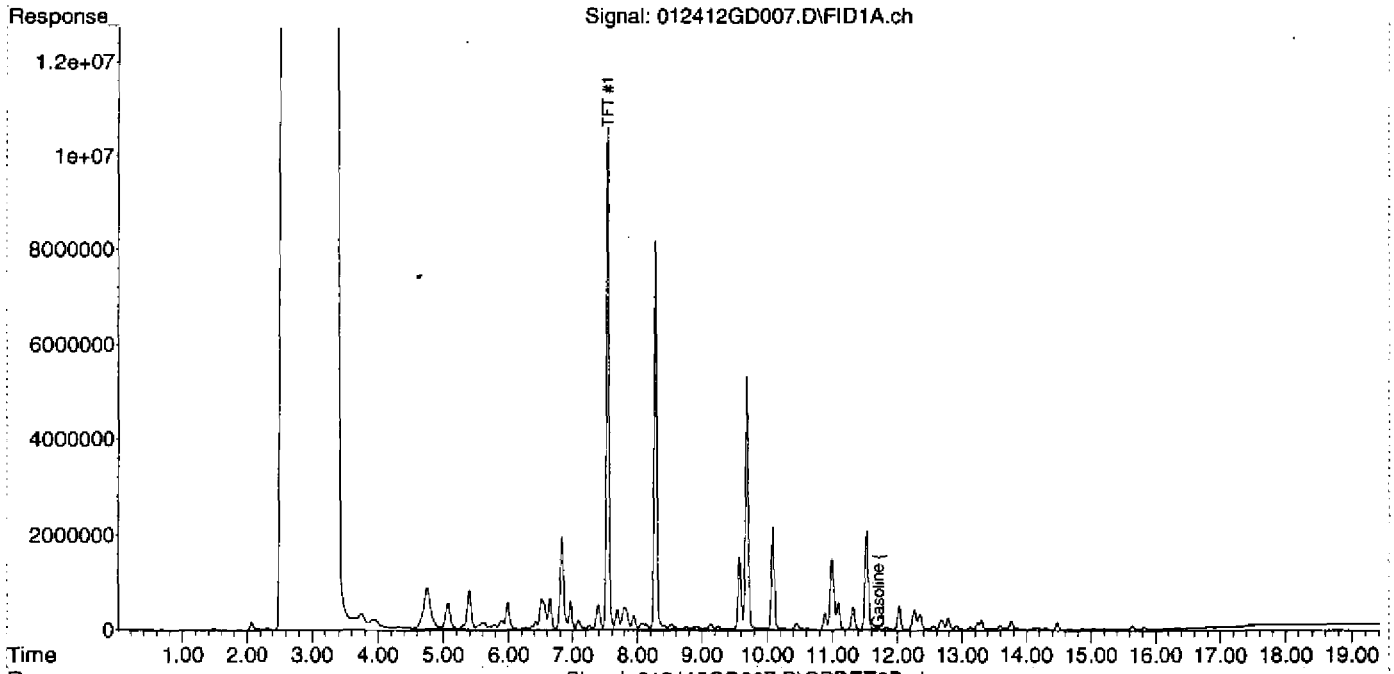
Quantitation Report (Not Reviewed)

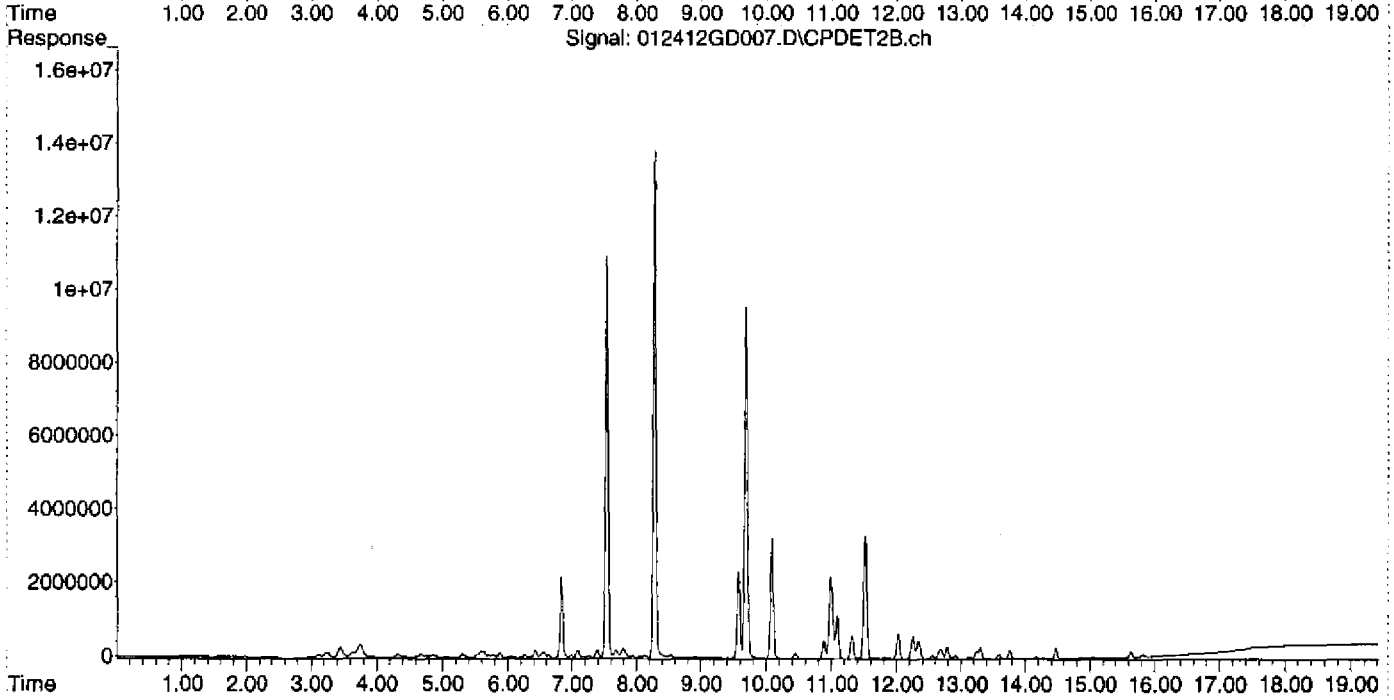
00271

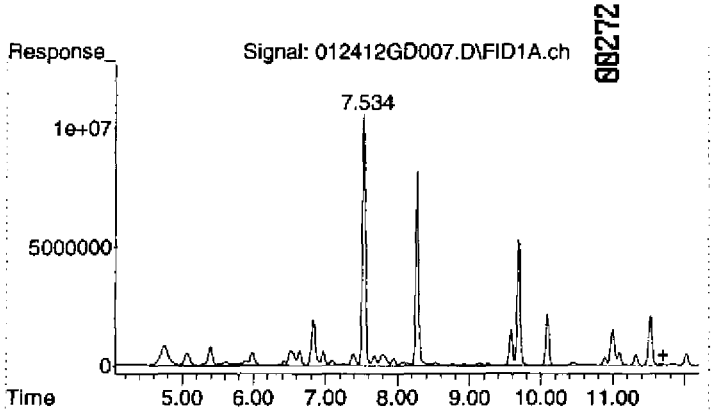
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:49 pm
Operator : YNB
Sample : 2010034-CAL3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 7 Sample Multiplier: 1

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

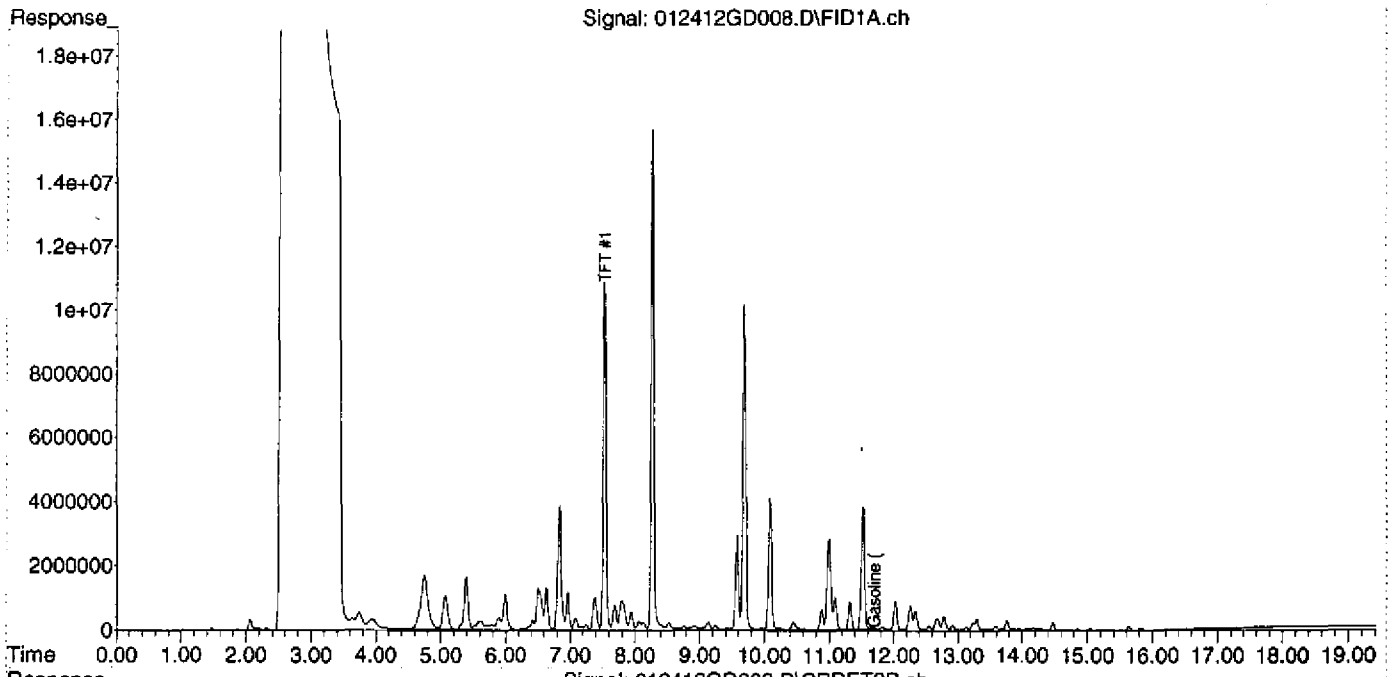
(f)=RT Delta > 1/2 Window (m)=manual int.

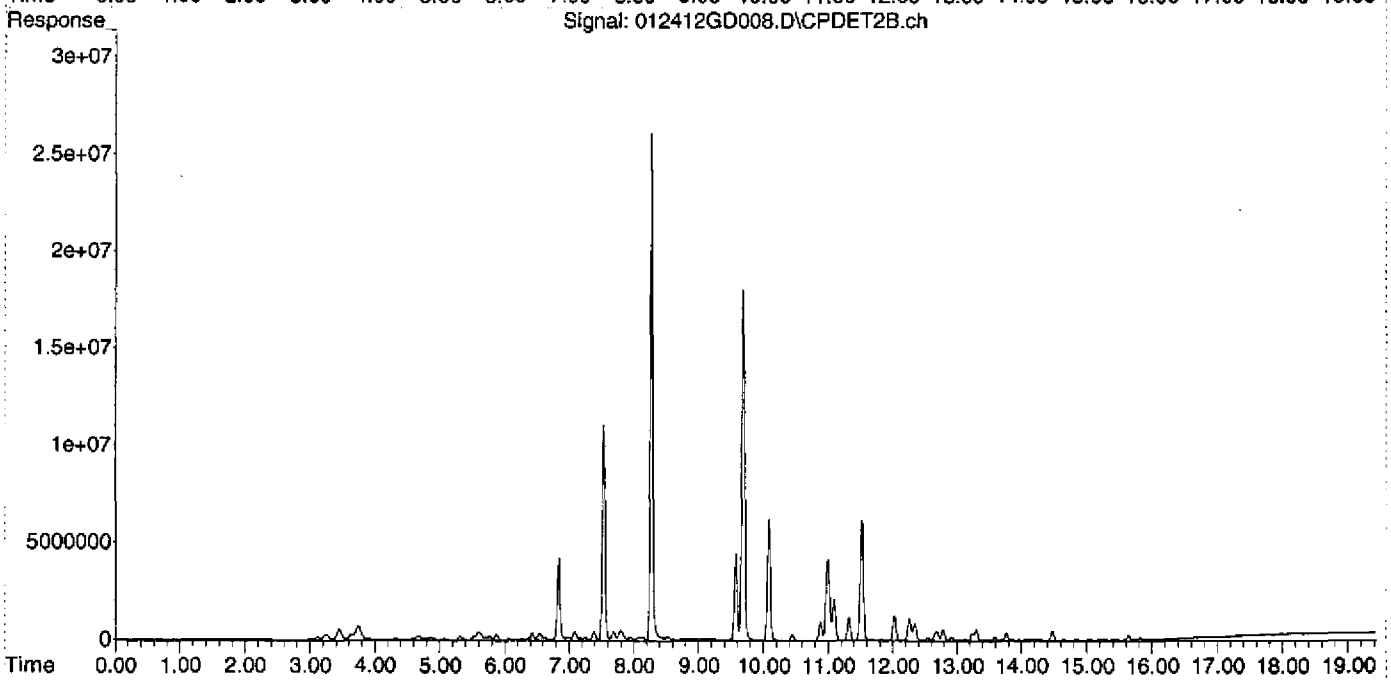
Quantitation Report (Not Reviewed)

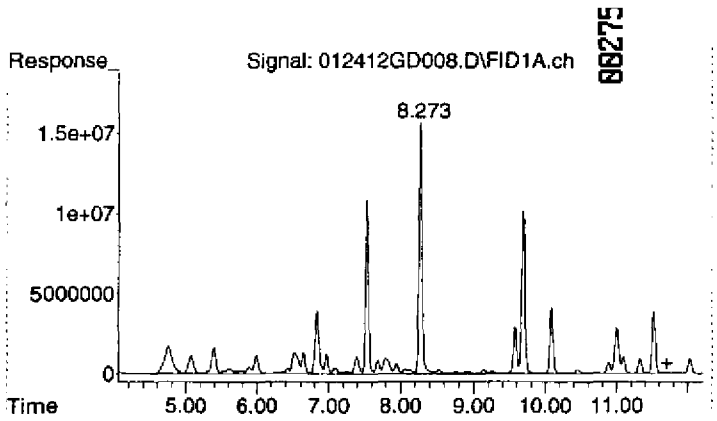
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:17 pm
Operator : YNB
Sample : 2010034-CAL4
Misc : 1000ug/L, 1J17001, WATER
ALS Vial : 8 Sample Multiplier: 1

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

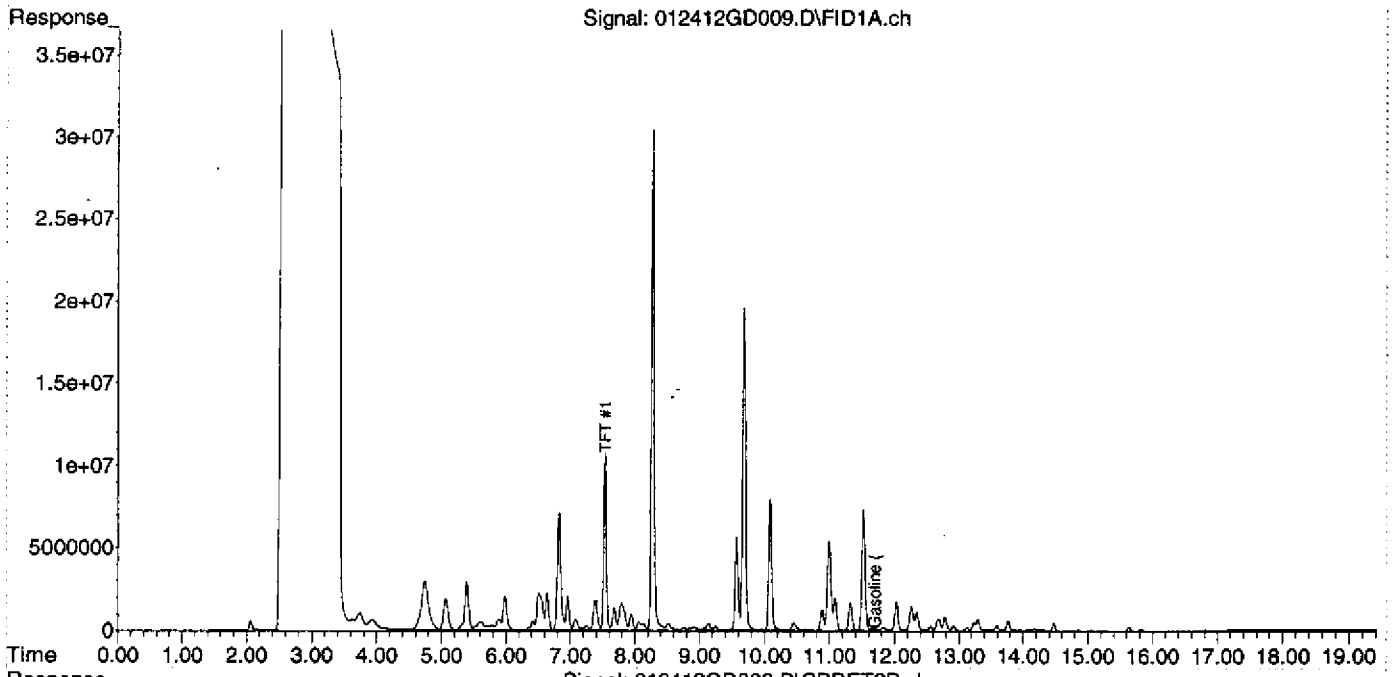
(f)=RT Delta > 1/2 Window (m)=manual int.

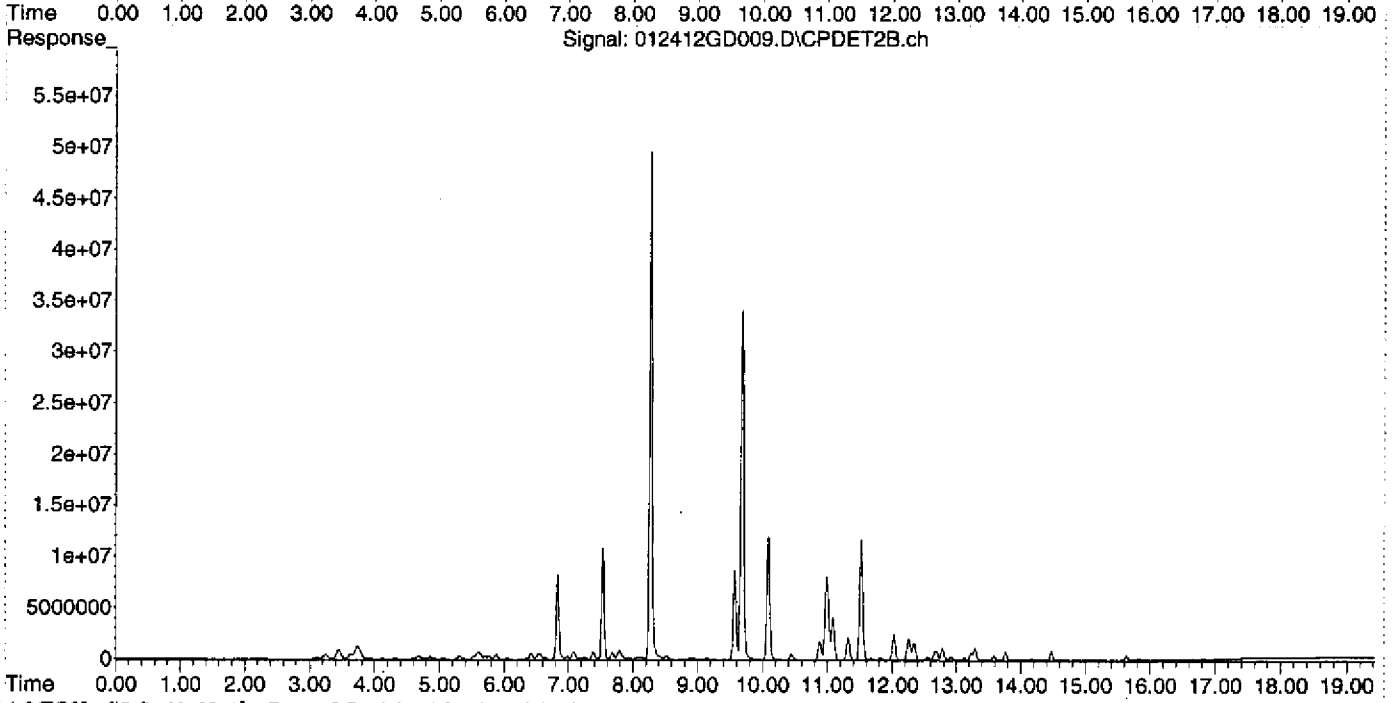
Quantitation Report (Not Reviewed)

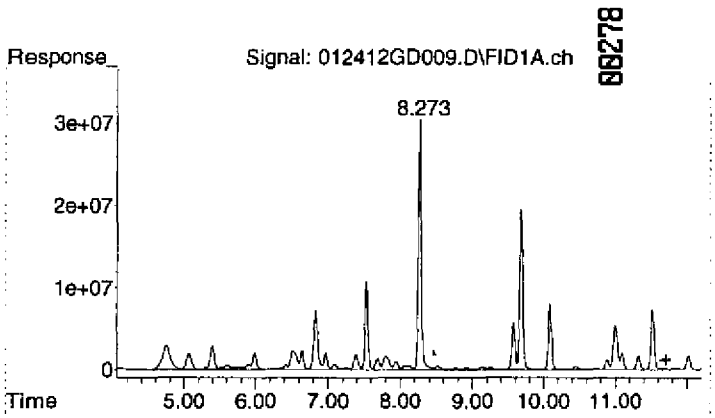
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:46 pm
Operator : YNB
Sample : 2010034-CAL5
Misc : 2000ug/L, 1J17001, WATER
ALS Vial : 9 Sample Multiplier: 1

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

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

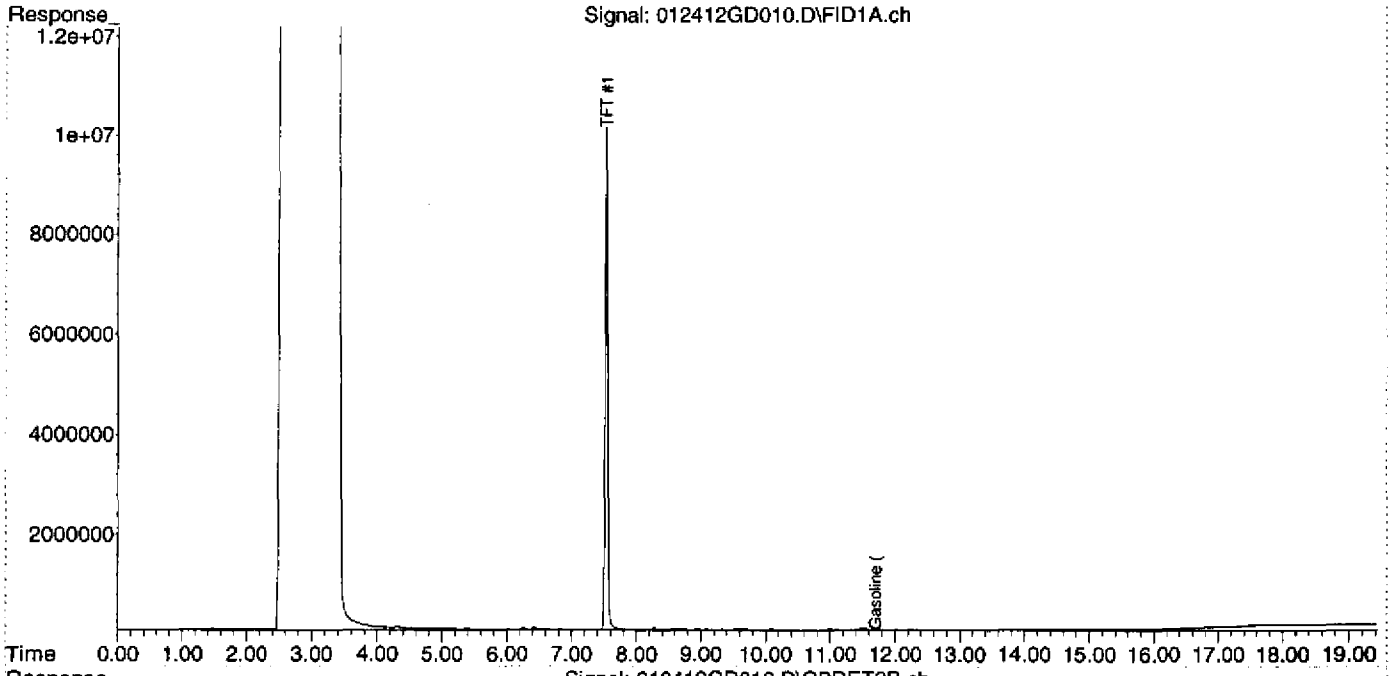
(f)=RT Delta > 1/2 Window (m)=manual int.

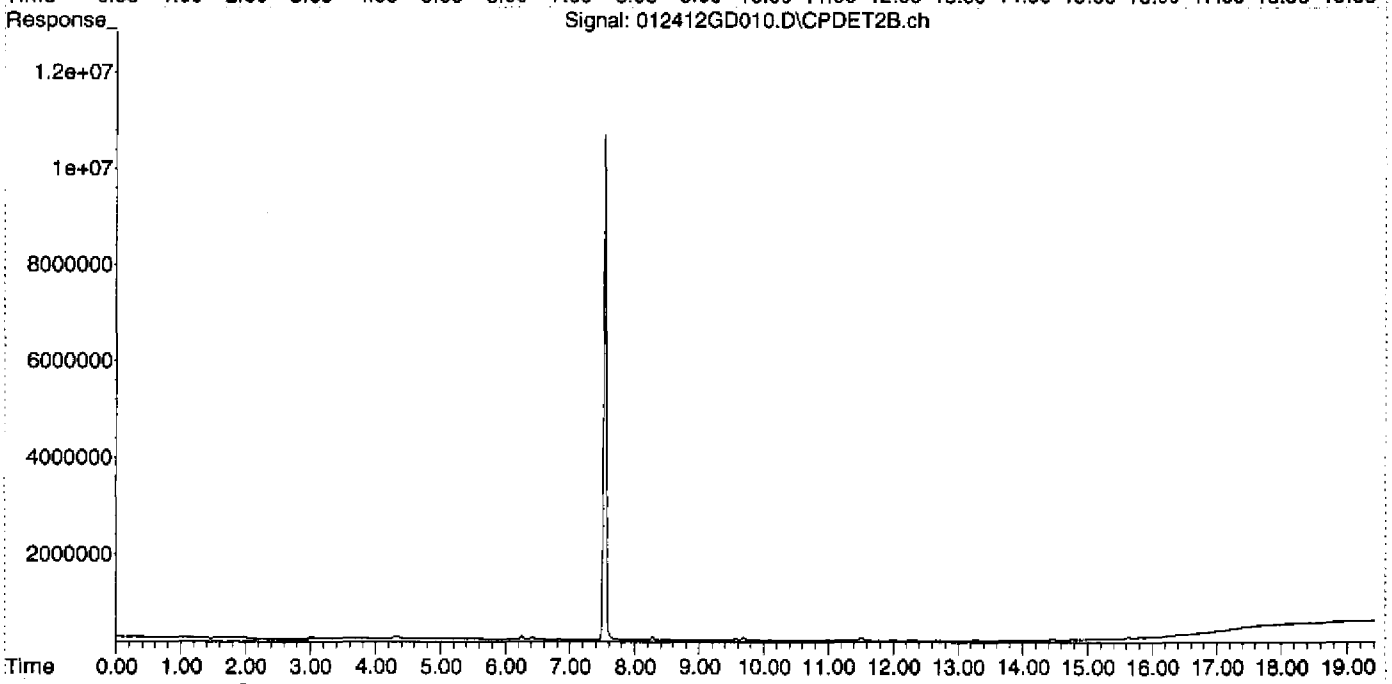
Quantitation Report (Not Reviewed)

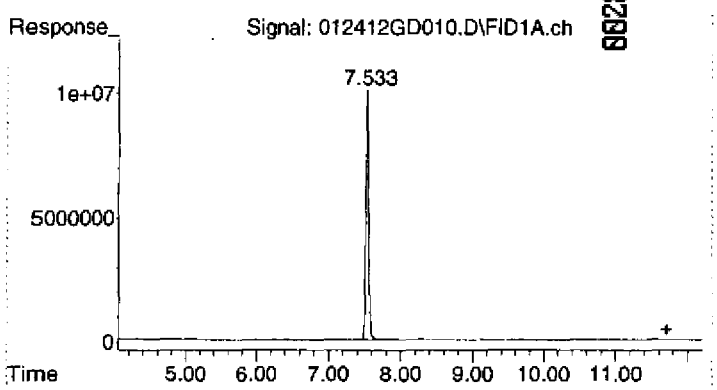
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:15 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 10 Sample Multiplier: 1

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.

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

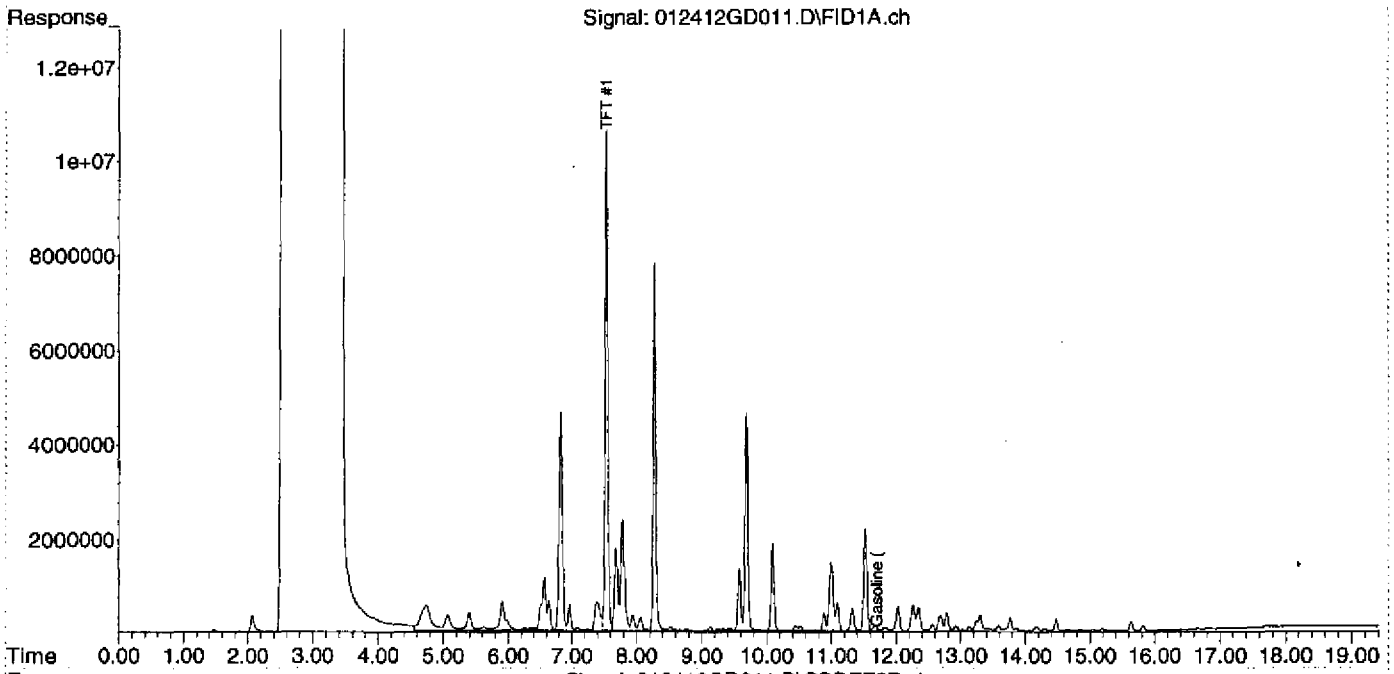
100.1%
YNB
01.25.12

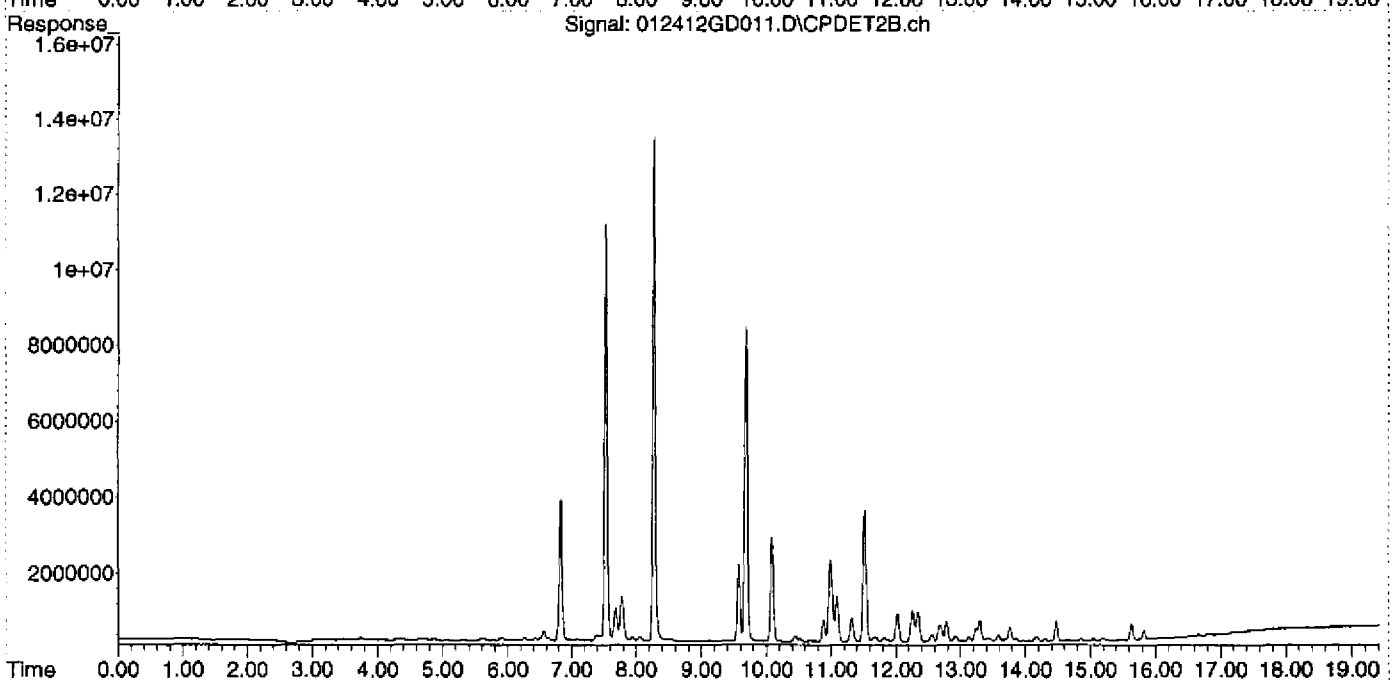
Quantitation Report (Not Reviewed)

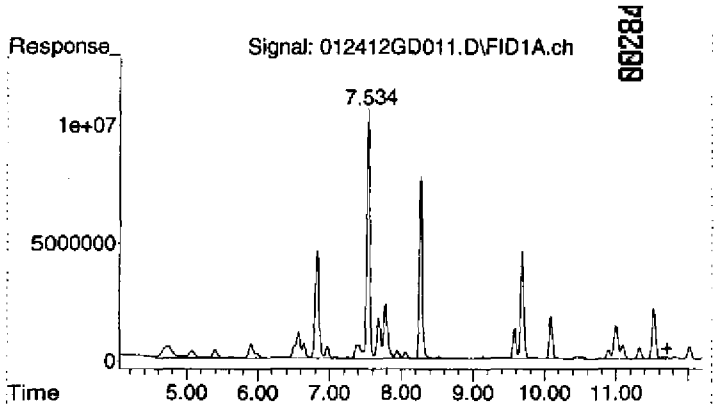
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:43 pm
Operator : YNB
Sample : 2010034-SCV1
Misc : 500ug/L, 2A10001, WATER
ALS Vial : 11 Sample Multiplier: 1

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)

00285

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

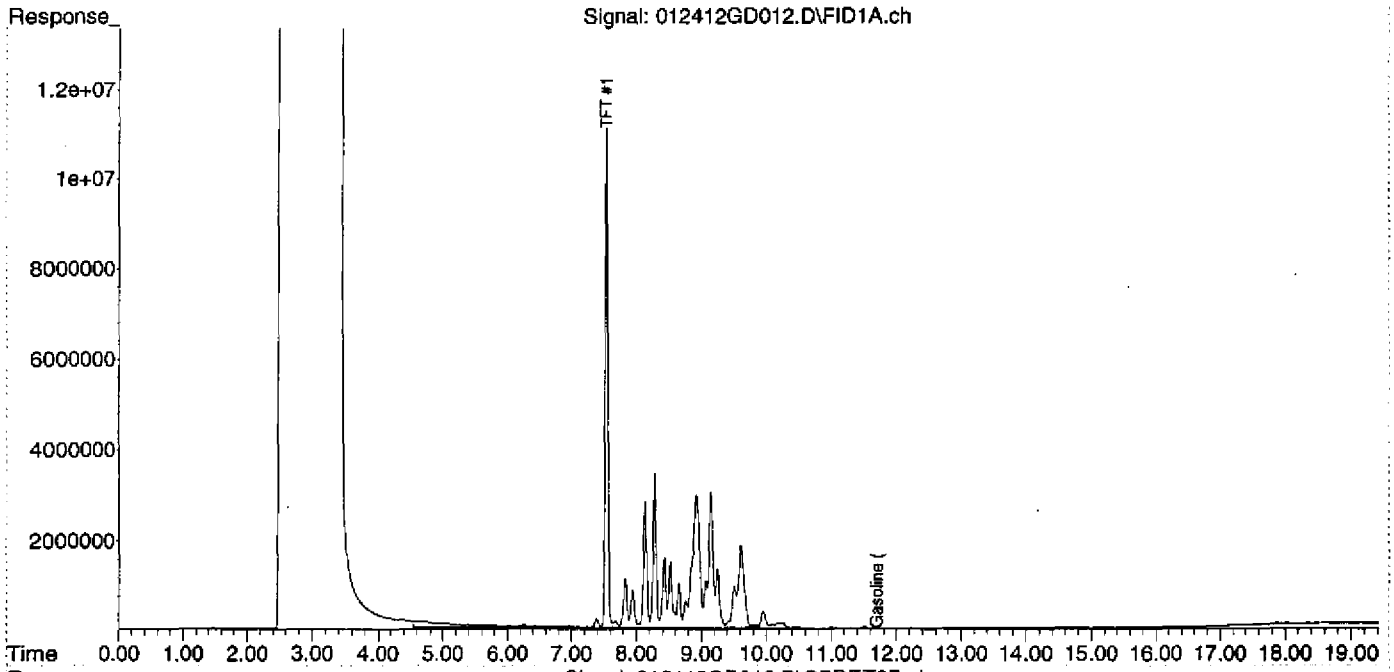
(f)=RT Delta > 1/2 Window (m)=manual int.

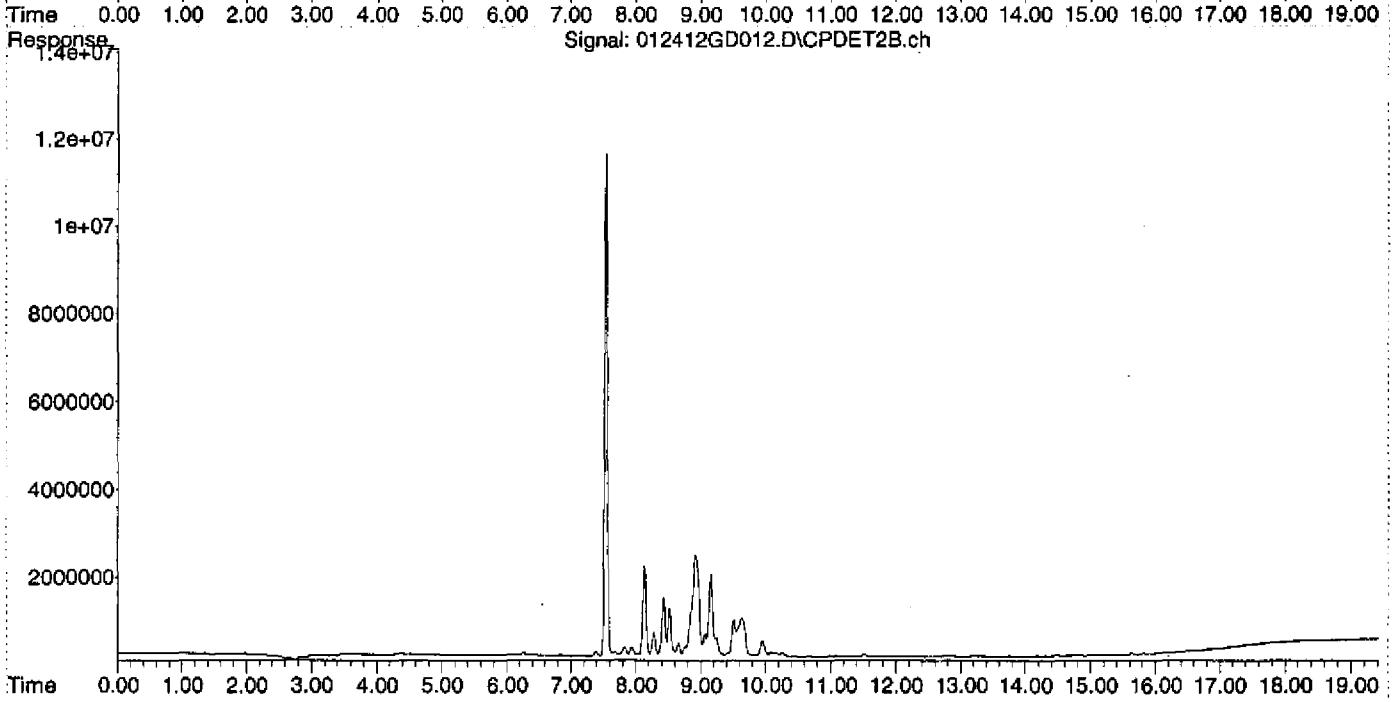
Quantitation Report (Not Reviewed)

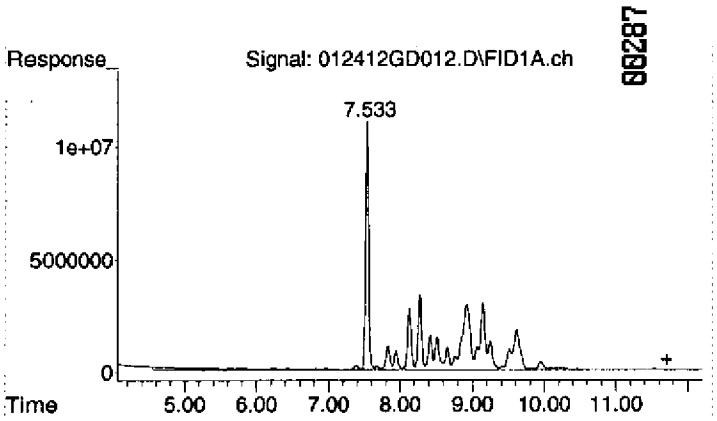
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:12 pm
Operator : YNB
Sample : 2010034-ICB1
Misc : NAPHTHA, 2A10005, WATER
ALS Vial : 12 Sample Multiplier: 1

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

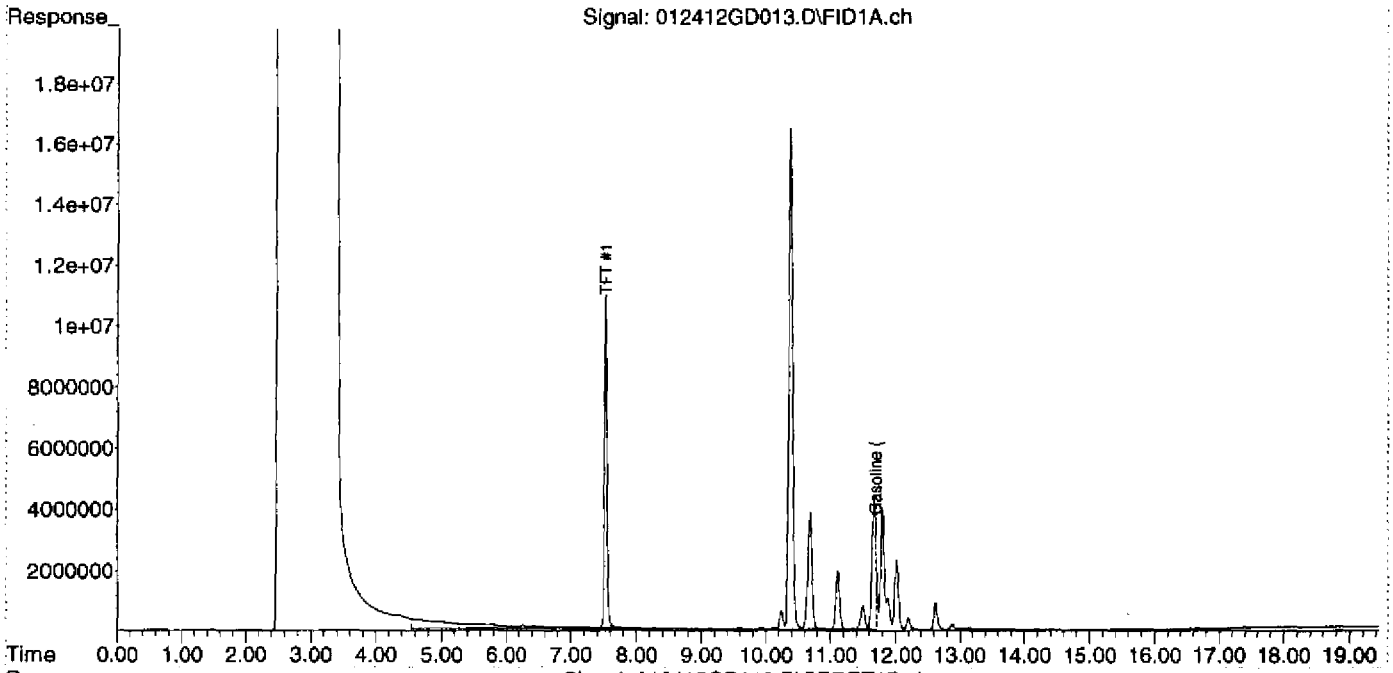
(f)=RT Delta > 1/2 Window (m)=manual int.

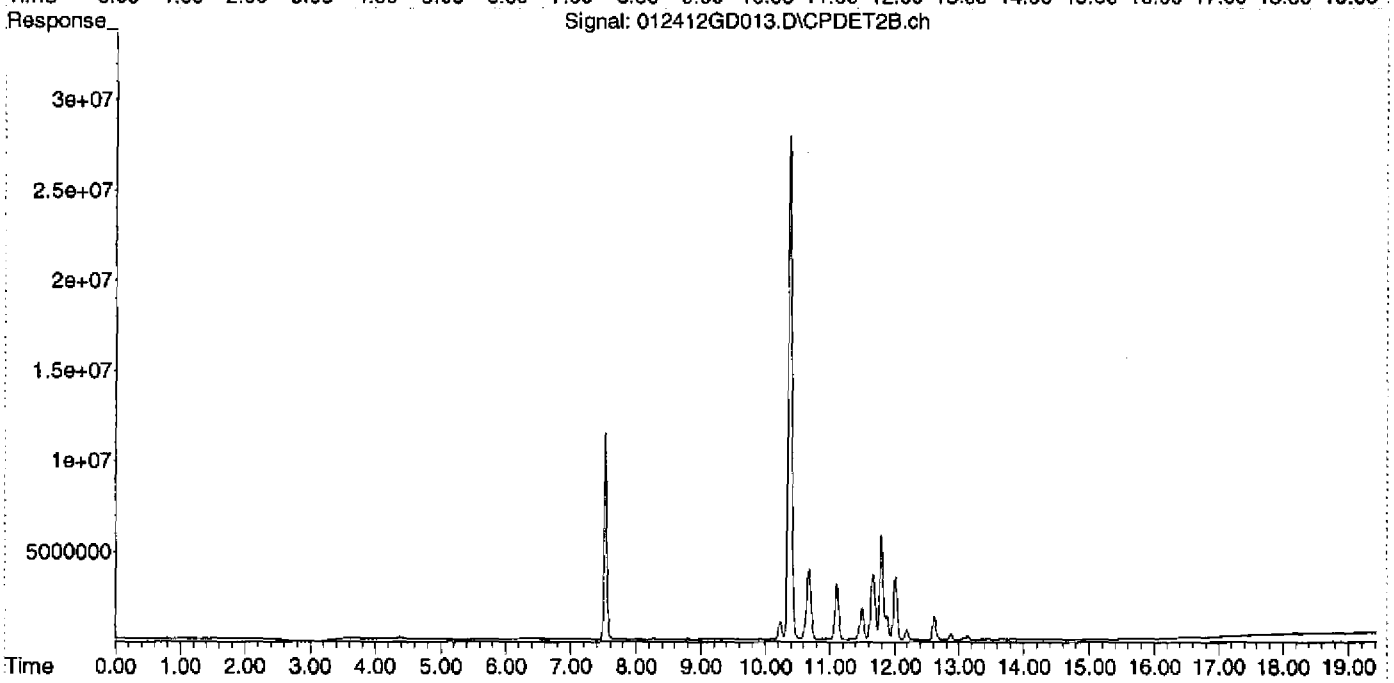
Quantitation Report (Not Reviewed)

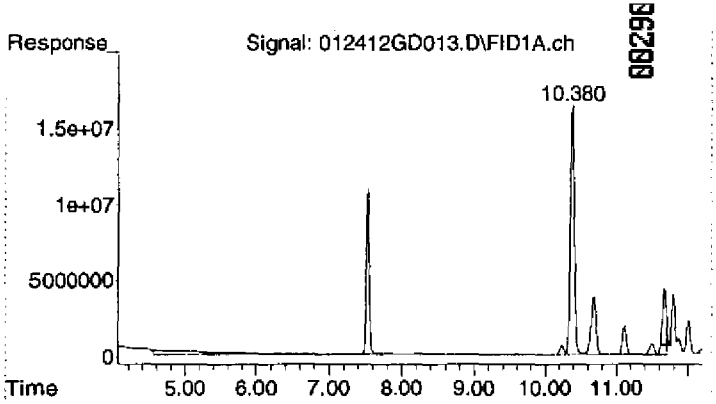
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:40 pm
Operator : YNB
Sample : 2010034-ICB2
Misc : TURPENTINE, 2A10006, WATER
ALS Vial : 13 Sample Multiplier: 1

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\2012\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 : MIN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:12 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

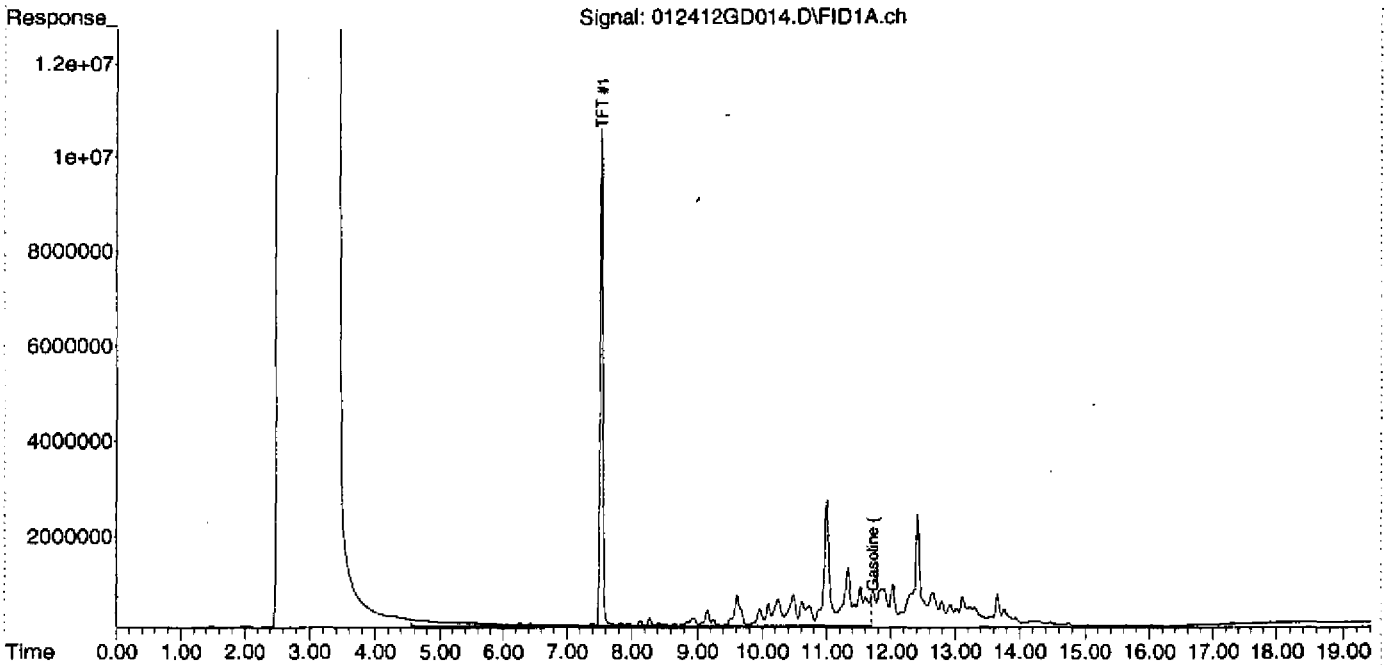
(f)=RT Delta > 1/2 Window (m)=manual int.

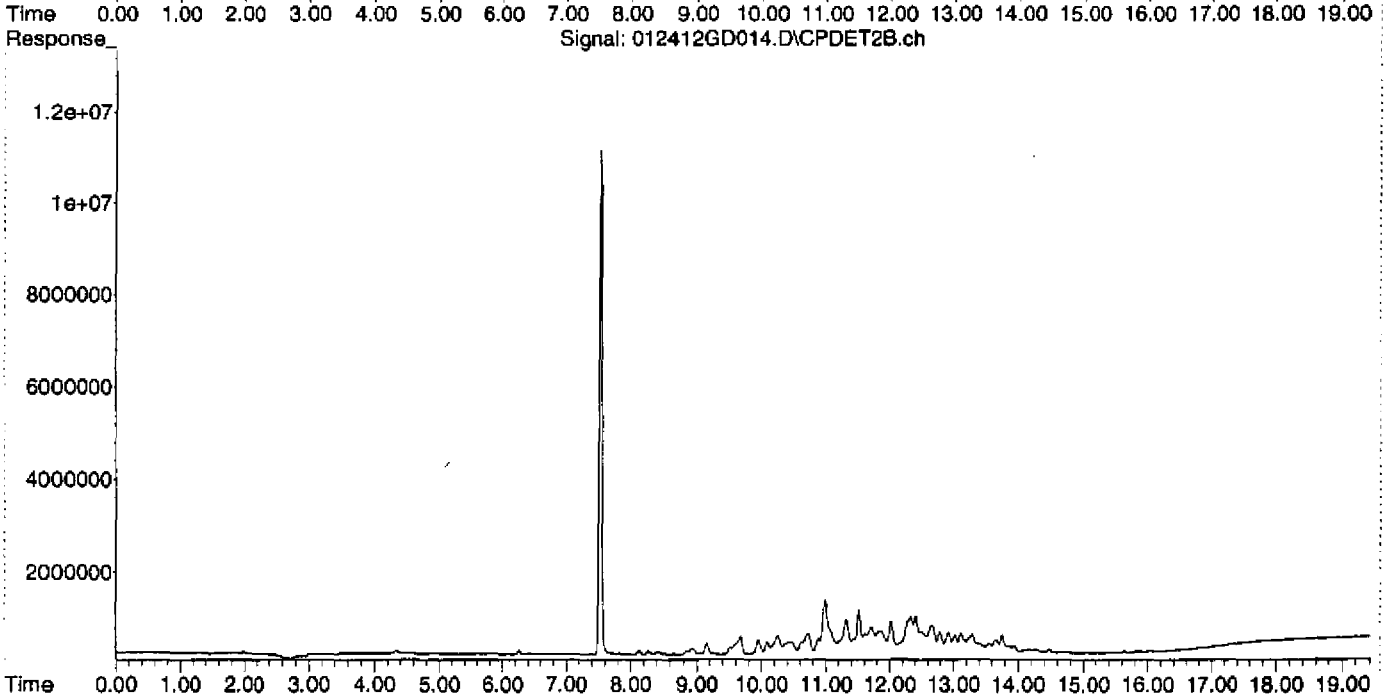
Quantitation Report (Not Reviewed)

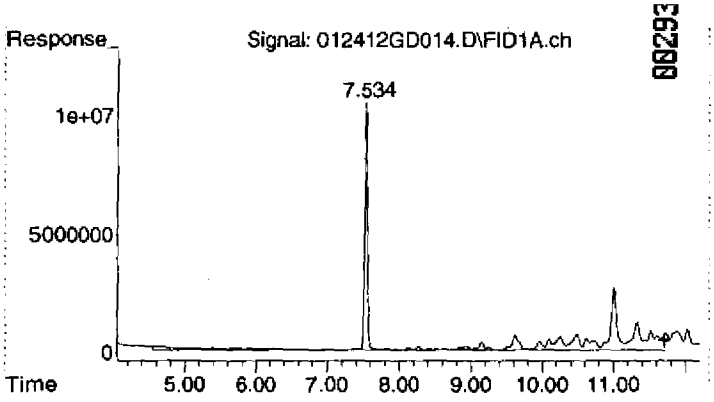
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:08 pm
Operator : YNB
Sample : 2010034-ICB3
Misc : MIN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:12 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







00293

#1 Gasoline (TPH) #1

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

00066

Quantitation Report (Not Reviewed)

00294

Data Path : D:\MSDCHEM\2012\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 : LACQUER, 2A10009, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:33 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

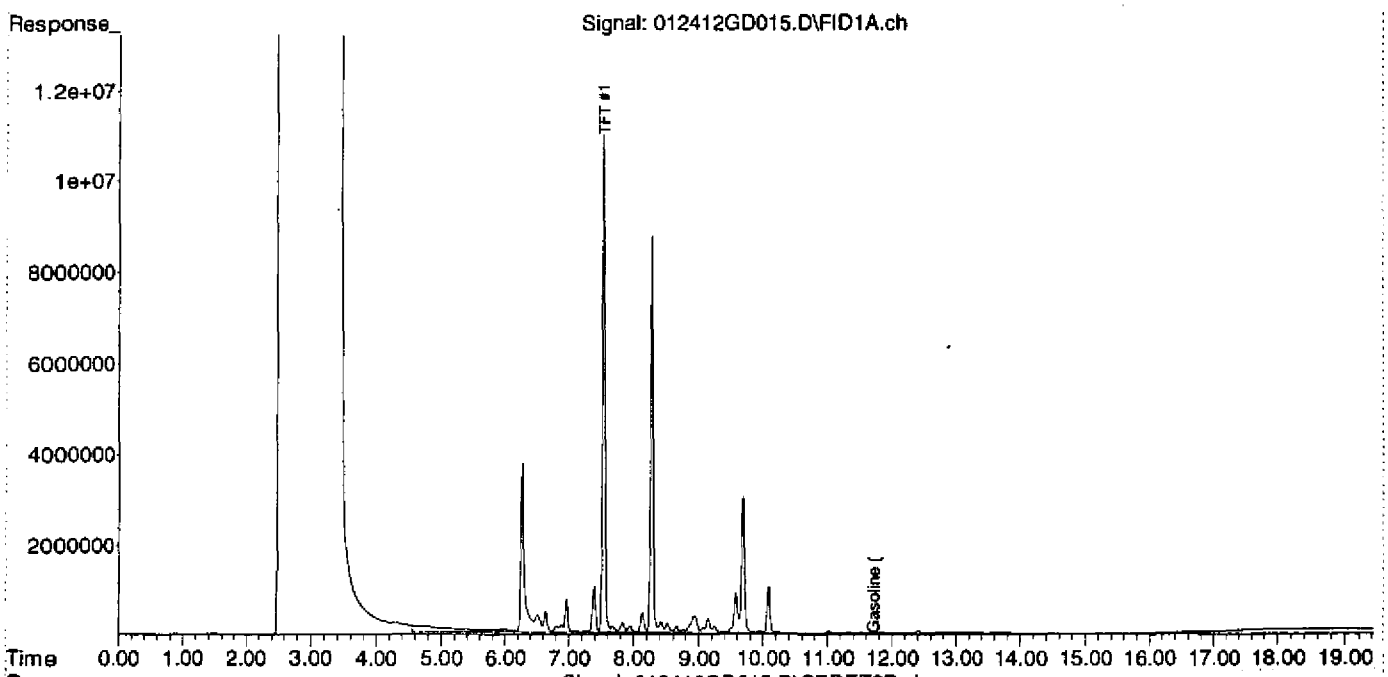
(f)=RT Delta > 1/2 Window (m)=manual int.

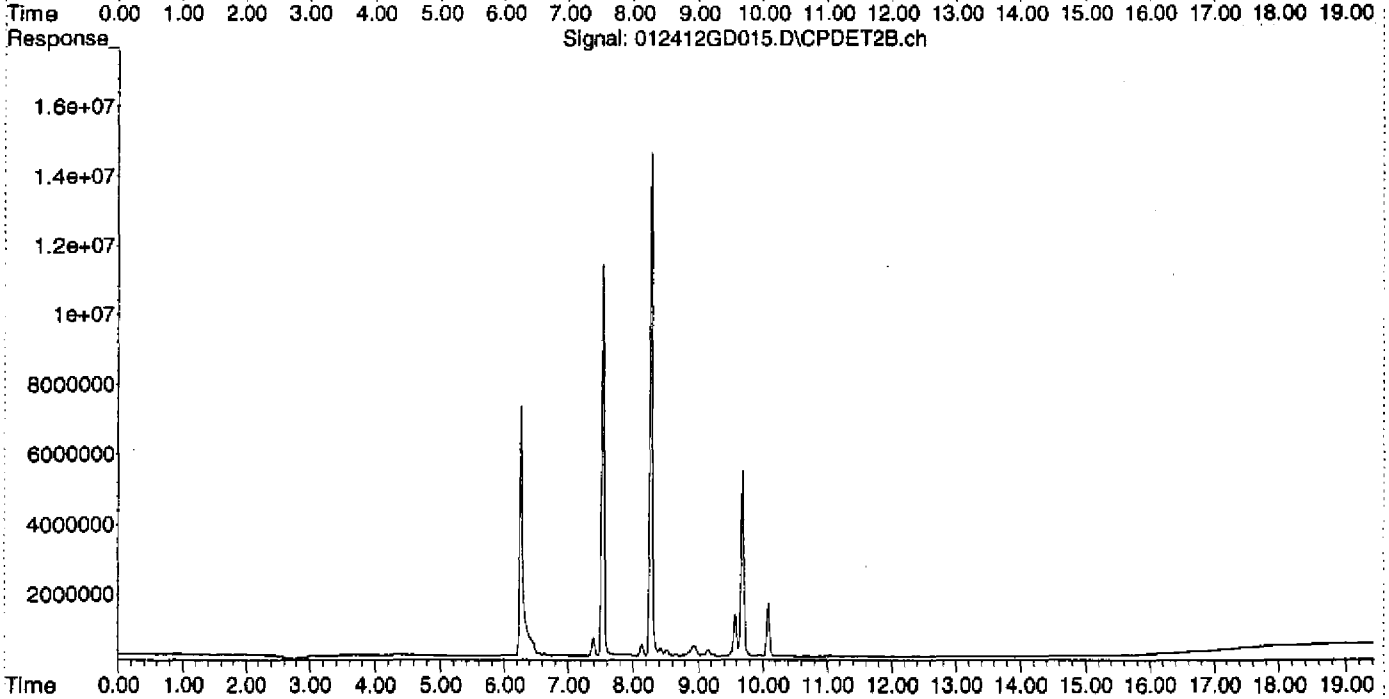
Quantitation Report (Not Reviewed)

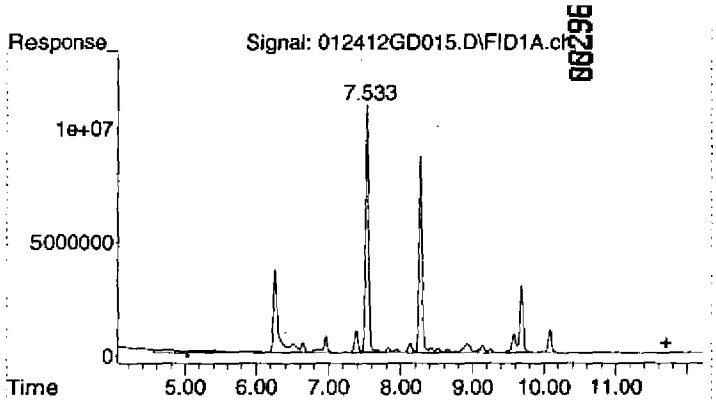
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:37 pm
Operator : YNB
Sample : 2010034-ICB4
Misc : LACQUER, 2A10009, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:33 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\2012\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 : STODDARD, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:49 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	7.534	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

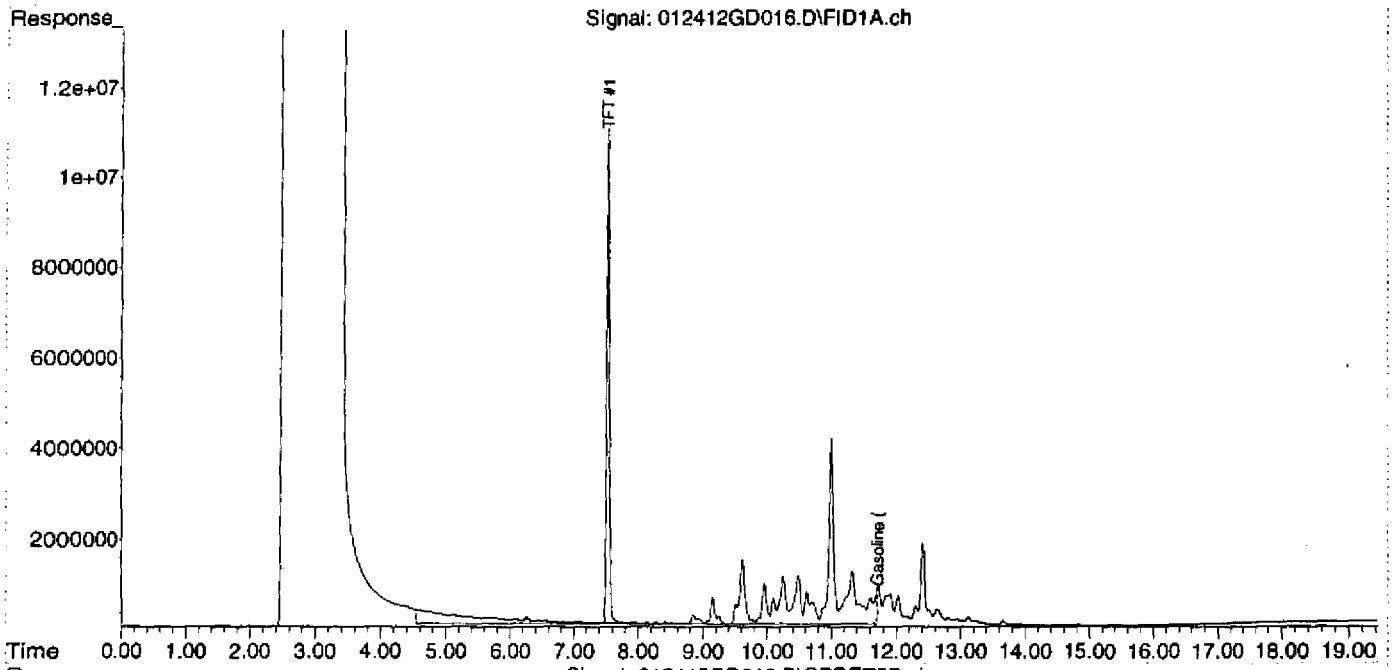
(f)=RT Delta > 1/2 Window (m)=manual int.

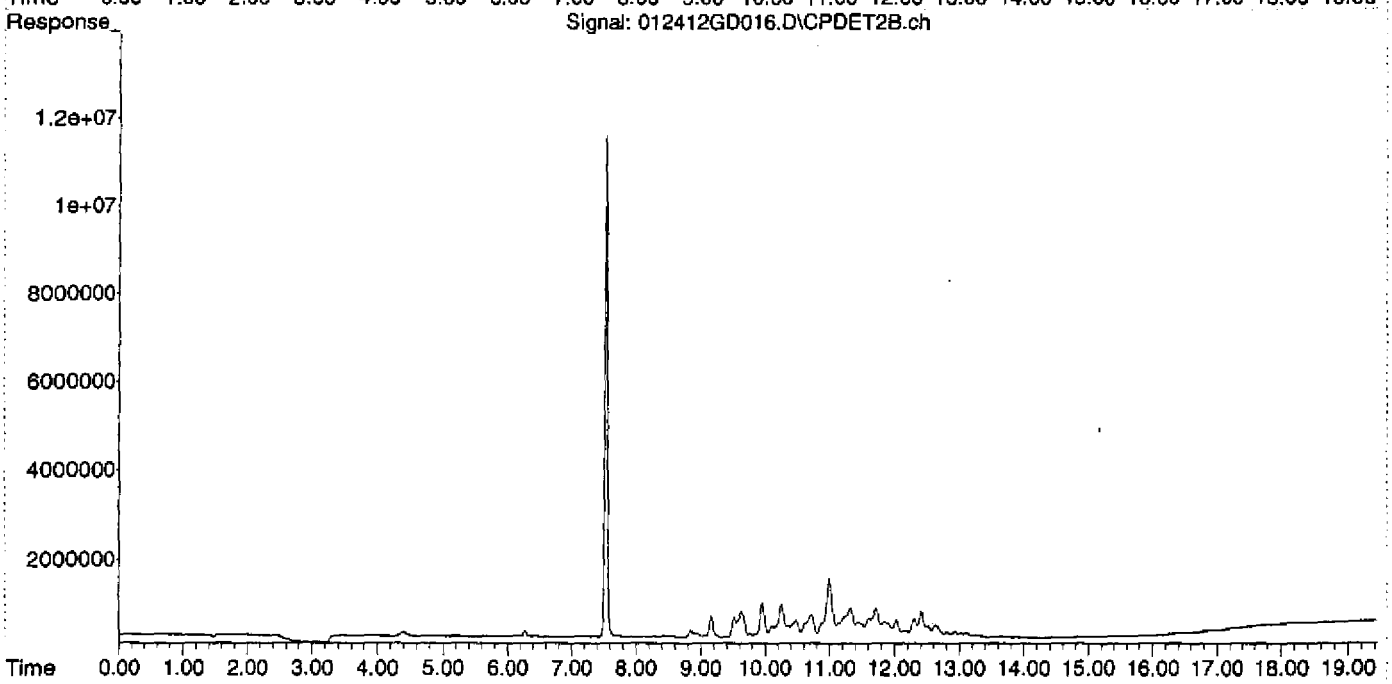
Quantitation Report (Not Reviewed)

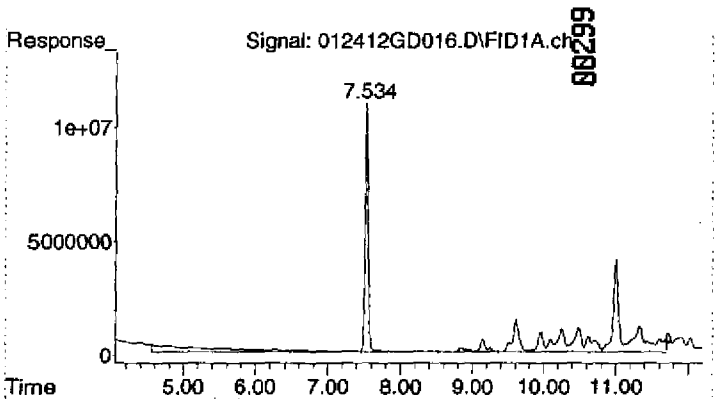
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:05 pm
Operator : YNB
Sample : 2010034-ICB5
Misc : STODDARD, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:55:49 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: 784682890
Conc: 352.43 ug/L

Integration 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

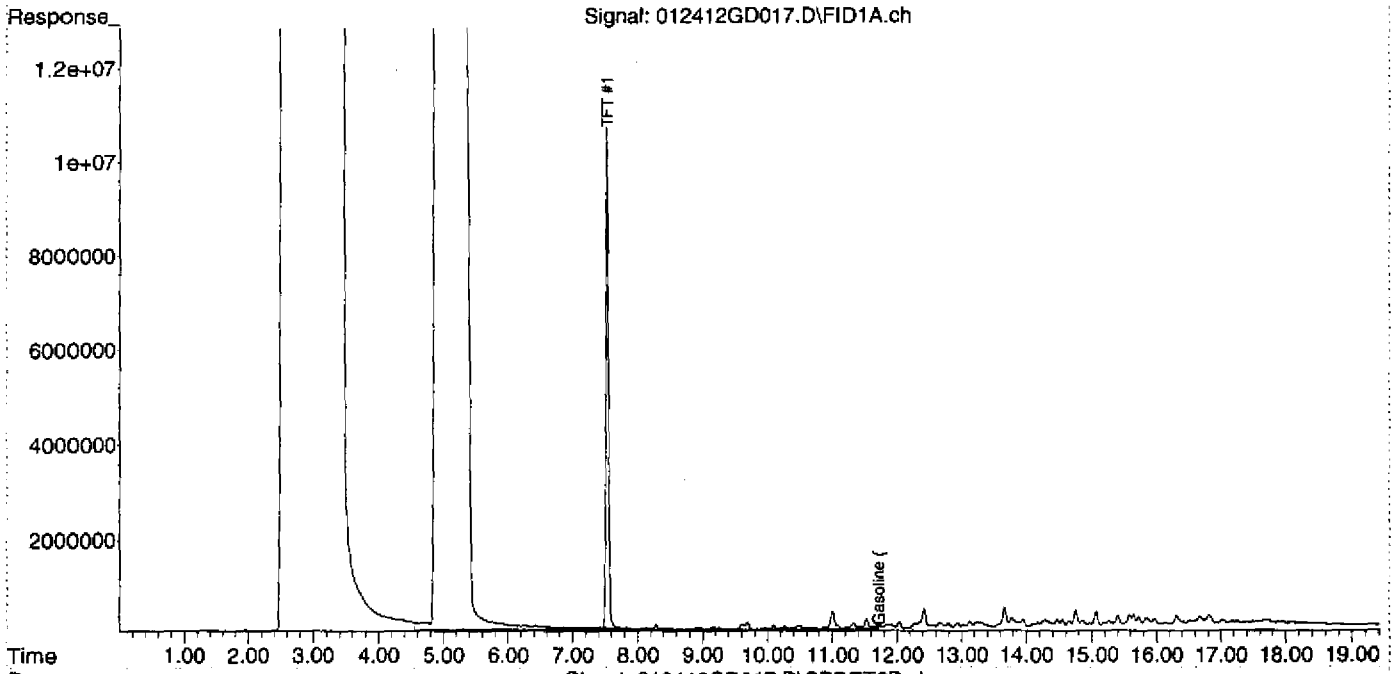
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	298106667	124.003 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.20%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	8589720068	3857.995 ug/L

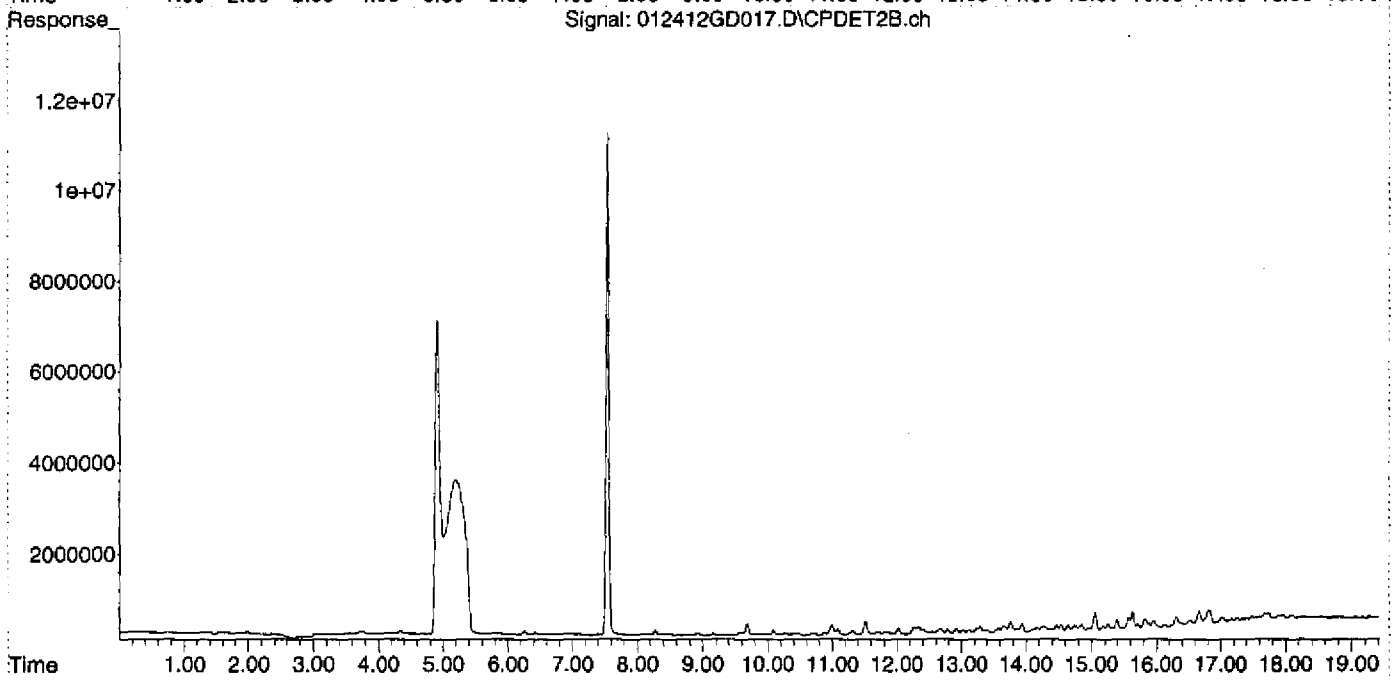
(f)=RT Delta > 1/2 Window (m)=manual int.

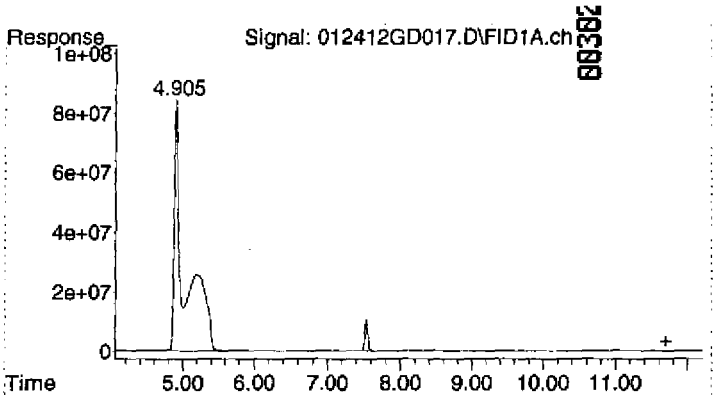
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:33 pm
Operator : YNB
Sample : 2010034-ICB6
Misc : DIESEL, 2A10012, WATER
ALS Vial : 17 Sample Multiplier: 1

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

00383

SDG: R33911 / 12034C

Instrument: AG 5975D

Analysis Date: 02-03-12

SAMPLE DATA

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

: 00076

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\020312DGAS\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	020312GD001.D	1	2020012-IBL1	2A24003, IB	3 Feb 2012 12:08 pm
2	020312GD002.D	1	2020012-CCV1	500ug/L, 1J17001, WATER	3 Feb 2012 12:36 pm
3	020312GD003.D	1	2020012-LCV1	50ug/L, 1J17001, WATER	3 Feb 2012 1:06 pm
4	020312GD004.D	1	B2B0016-BLK1	BLANK, WATER	3 Feb 2012 1:35 pm
5	020312GD005.D	1	B2B0016-BS1	500ug/L, 1J17001, WATER	3 Feb 2012 2:06 pm
6	020312GD006.D	1	1202011-04	TB15,A, WATER	3 Feb 2012 2:34 pm
7	020312GD007.D	1	1202011-05	FB08,C, WATER	3 Feb 2012 3:03 pm
8	020312GD008.D	1	1202011-08	TB14,A, WATER	3 Feb 2012 3:32 pm
9	020312GD009.D	1	1202011-09	FB09,C, WATER	3 Feb 2012 4:01 pm
10	020312GD010.D	1	1202011-01	HW42,C, WATER	3 Feb 2012 4:30 pm
11	020312GD011.D	1	1202011-02	HW46,C, WATER	3 Feb 2012 5:01 pm
12	020312GD012.D	1	1202011-03	HW46-p,C, WATER	3 Feb 2012 5:29 pm
13	020312GD013.D	1	1202011-06	HW34a,C, WATER	3 Feb 2012 6:29 pm
14	020312GD014.D	1	1202011-10	HW42z,C, WATER	3 Feb 2012 6:58 pm
15	020312GD015.D	1	1202011-11	TB16,A, WATER	3 Feb 2012 7:27 pm
16	020312GD016.D	1	1202011-07	HW34a-P,G, WATER	3 Feb 2012 7:55 pm
17	020312GD017.D	1	B2B0016-MS1	HW34a-P,H, WATER SPIKE	3 Feb 2012 8:23 pm
18	020312GD018.D	1	B2B0016-MSD1	HW34a-P,I, WATER SPIKE	3 Feb 2012 8:52 pm
19	020312GD019.D	1	BLANK	BLANK, WATER	3 Feb 2012 9:21 pm
20	020312GD020.D	1	2020012-CCV2	500ug/L, 1J17001, WATER	3 Feb 2012 9:49 pm
21	020312GD021.D	1	2020012-CCV3	500ug/L, 1J17001, WATER	3 Feb 2012 10:18 pm

GC QA-QC Check Report 00385

Daily Calibration File : D:\MSDCHEM\2012\data\020312DGAS\020312GD002.D
Time Acquired : 3 Feb 2012 12:36 pm

File	Sample	Surrogate Recovery %	Internal Standard Responses
020312GD004.D	B2B0016-BLK1	100	
020312GD005.D	B2B0016-BS1	104	
020312GD006.D	1202011-04	100	
020312GD007.D	1202011-05	102	
020312GD008.D	1202011-08	102	
020312GD009.D	1202011-09	104	
020312GD010.D	1202011-01	103	
020312GD011.D	1202011-02	102	
020312GD012.D	1202011-03	100	
020312GD013.D	1202011-06	98	
020312GD014.D	1202011-10	102	
020312GD015.D	1202011-11	97	
020312GD016.D	1202011-07	98	
020312GD017.D	B2B0016-MS1	104	
020312GD018.D	B2B0016-MS	105	

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

Created: Mon Feb 06 08:35:53 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\020312DGAS\
Data File : 020312GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 12:08 pm
Operator : YNB
Sample : 2020012-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 12:58:35 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	7.525	314191298	130.694 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.56%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	15981212	7.178 ug/L

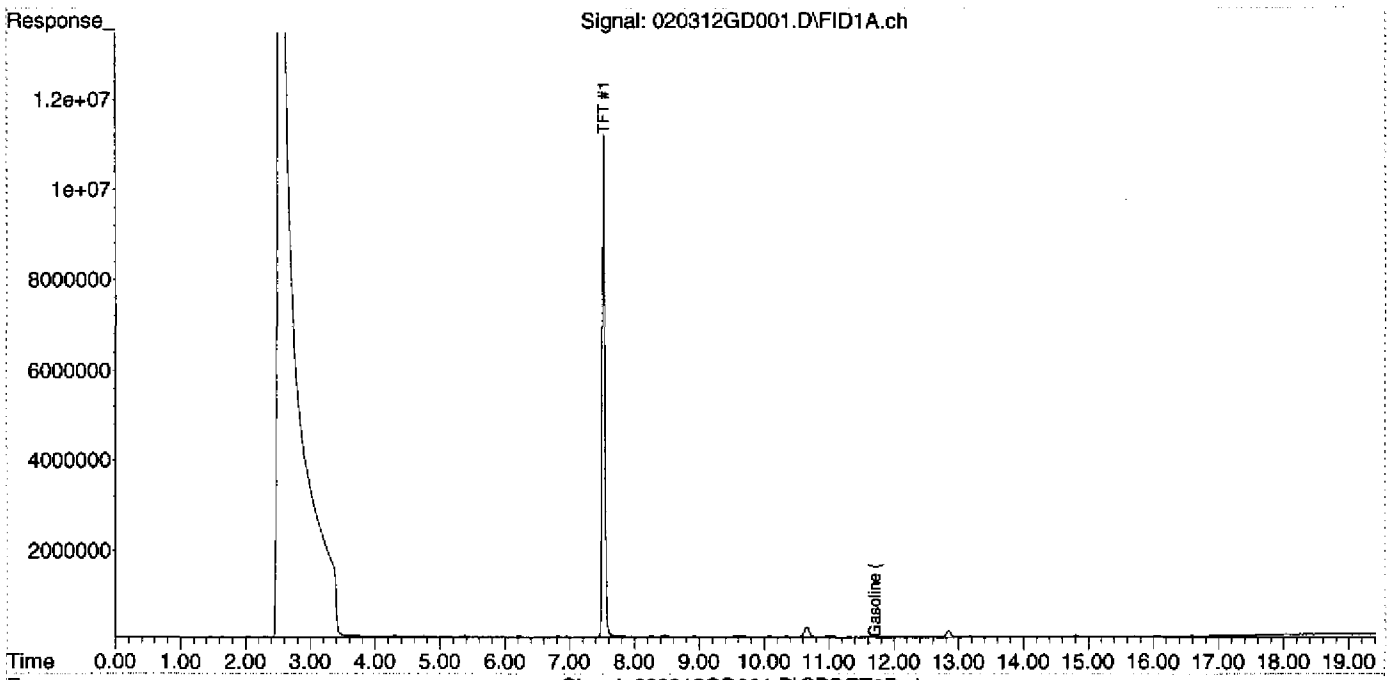
(f)=RT Delta > 1/2 Window (m)=manual int.

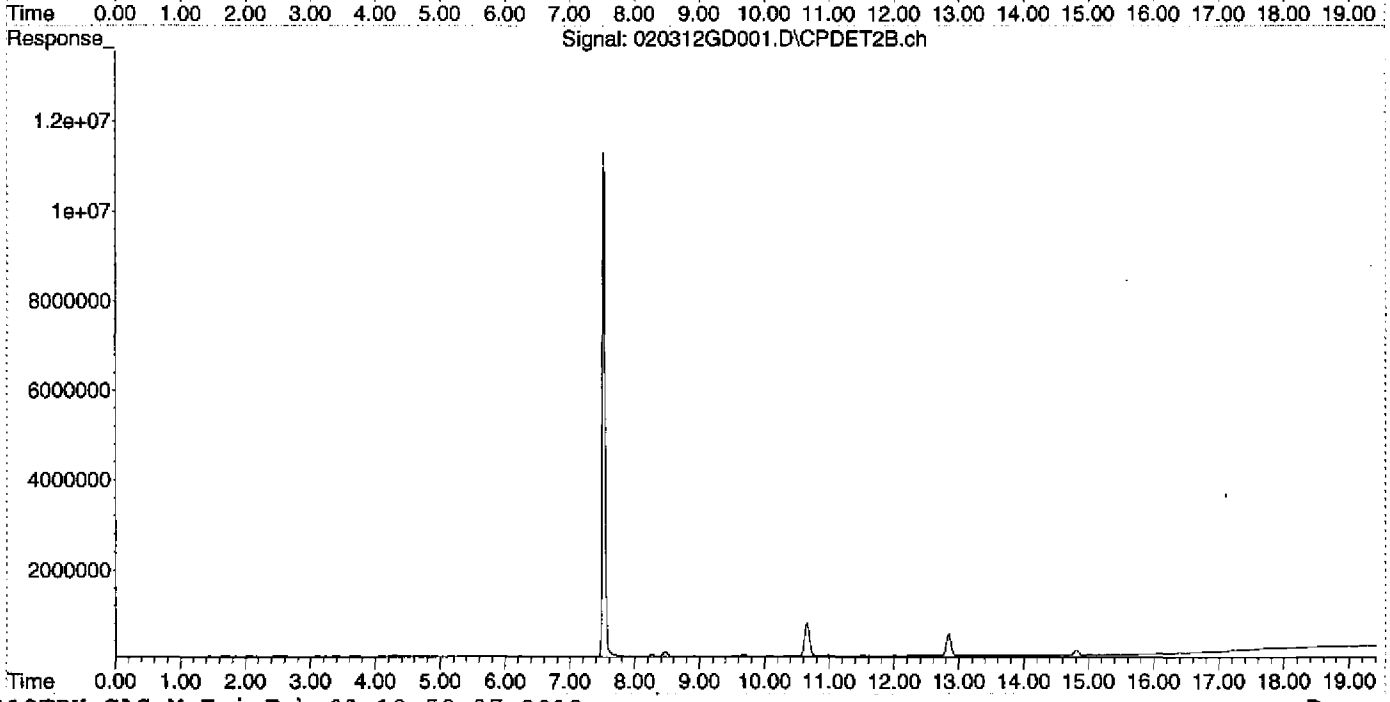
Quantitation Report (Not Reviewed)

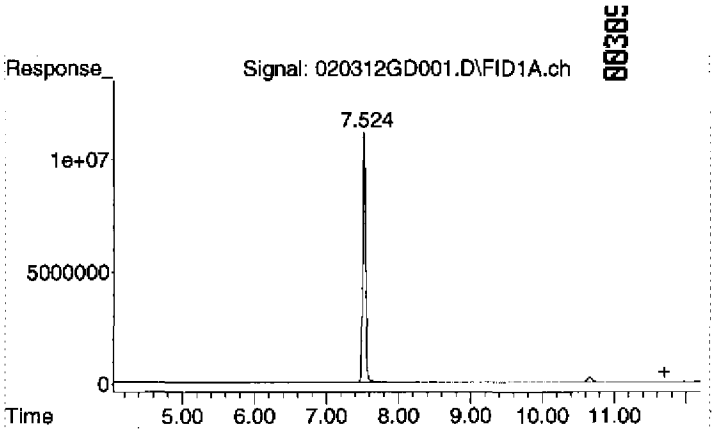
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 12:08 pm
Operator : YNB
Sample : 2020012-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 12:58:35 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: 15981212
Conc: 7.18 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 12:36 pm
Operator : YNB
Sample : 2020012-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: Feb 03 12:58:55 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	2.304 E6	-3.5	98	0.00
2 S TFT #1	2.404	2.618 E6	-8.9	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\020312DGAS\
Data File : 020312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 12:36 pm
Operator : YNB
Sample : 2020012-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: Feb 03 12:59:05 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	7.532	327271819	136.135 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 108.91%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1151941445	517.384 ug/L

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

$\frac{32727819}{2404000} = 136.139$

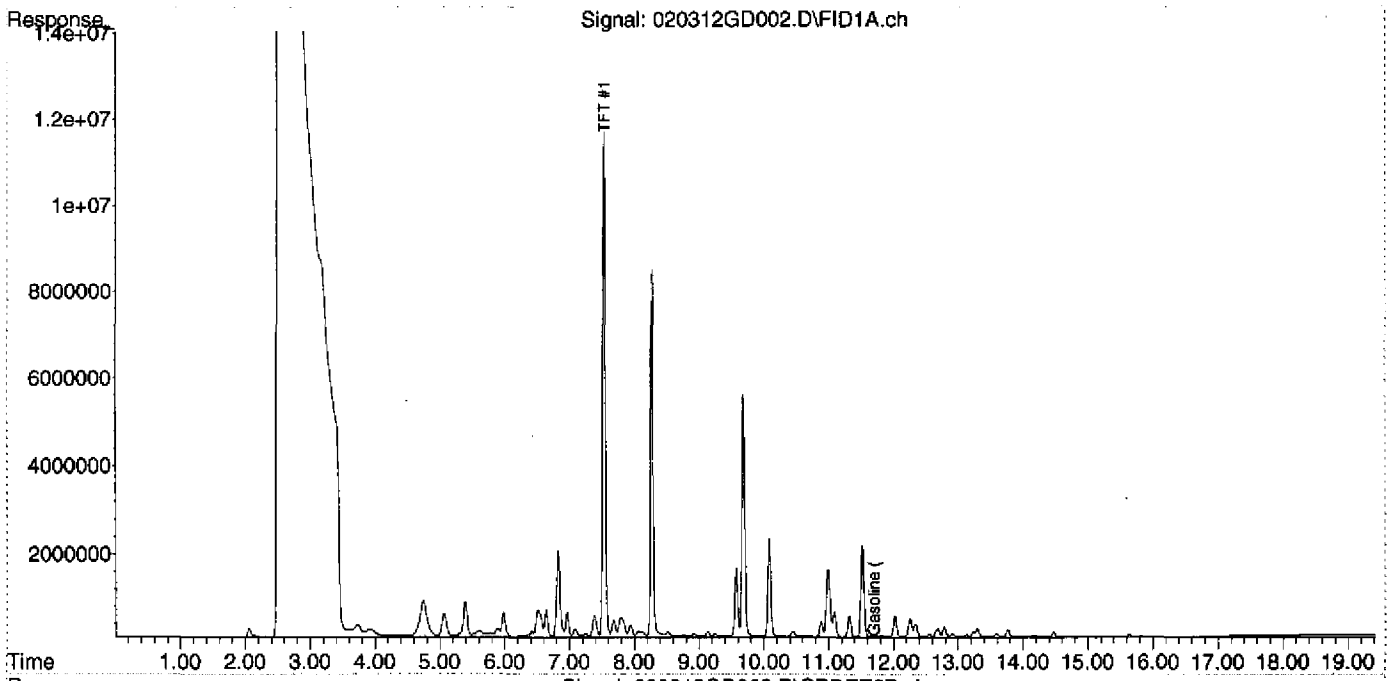
YNB
02.03.12

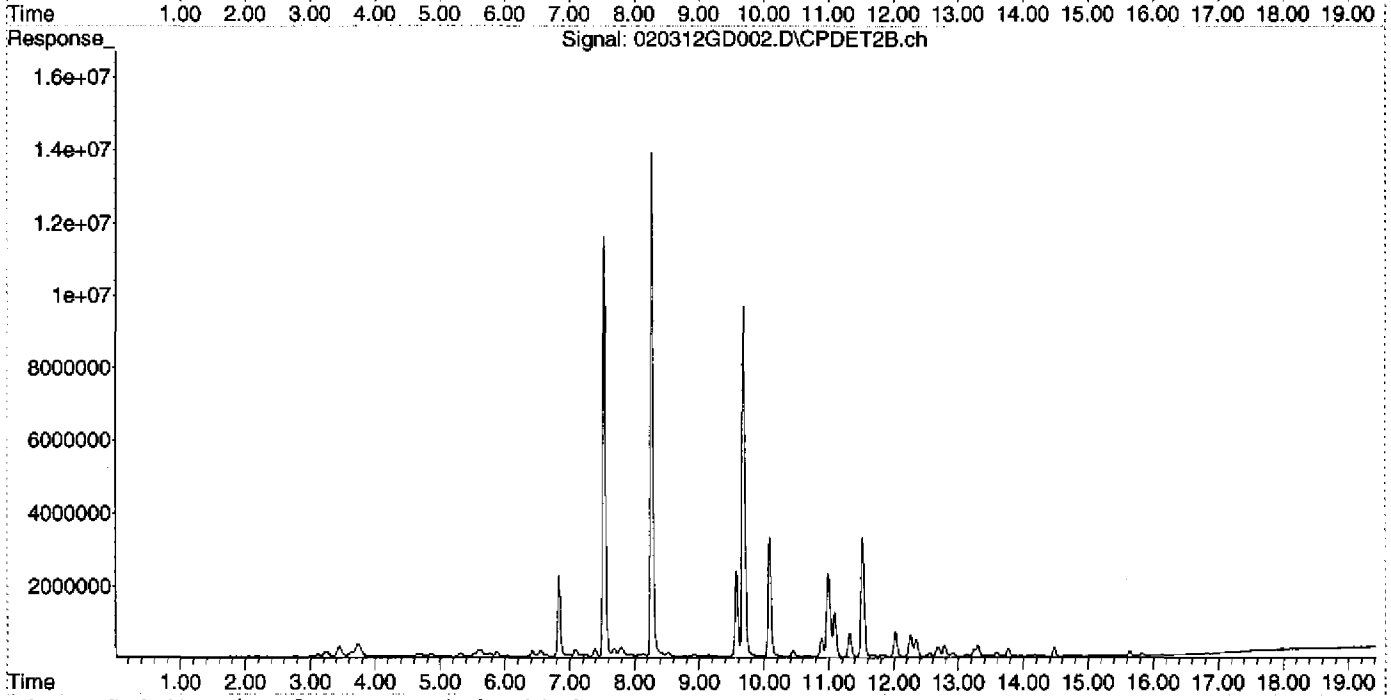
Quantitation Report (Not Reviewed)

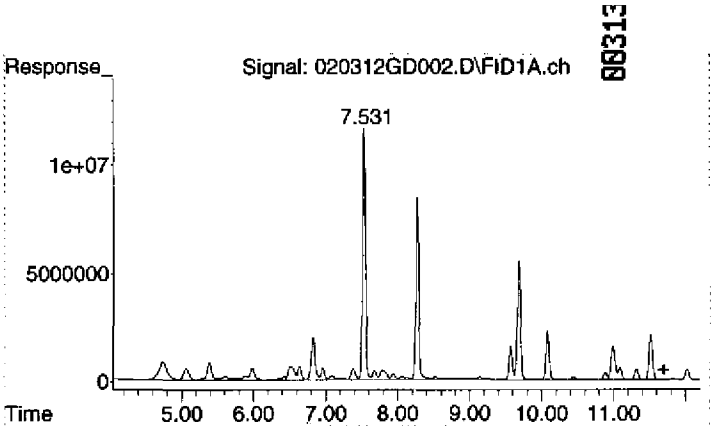
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 12:36 pm
Operator : YNB
Sample : 2020012-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 12:59:05 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: 1151941445
Conc: 517.38 ug/L

D:\MSDCHEM\2012\data\020312DGAS\020312GD003.D

Data File Name 020312GD003.D
Operator YNB
Sample Name 2020012-LCV1
Date Acquired
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVER	STATUS
1)	Gasoline (TPH) #1	ug/L	50	53.84	60	140	107.67%	PASS
2)	TFT #1	ug/L	125	127.02	76	121	101.62%	PASS

Quantitation Report (Not Reviewed)

00315

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 1:06 pm
Operator : YNB
Sample : 2020012-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: Feb 03 13:48:18 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	305369748	127.024 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.62%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	119864651	53.836 ug/L

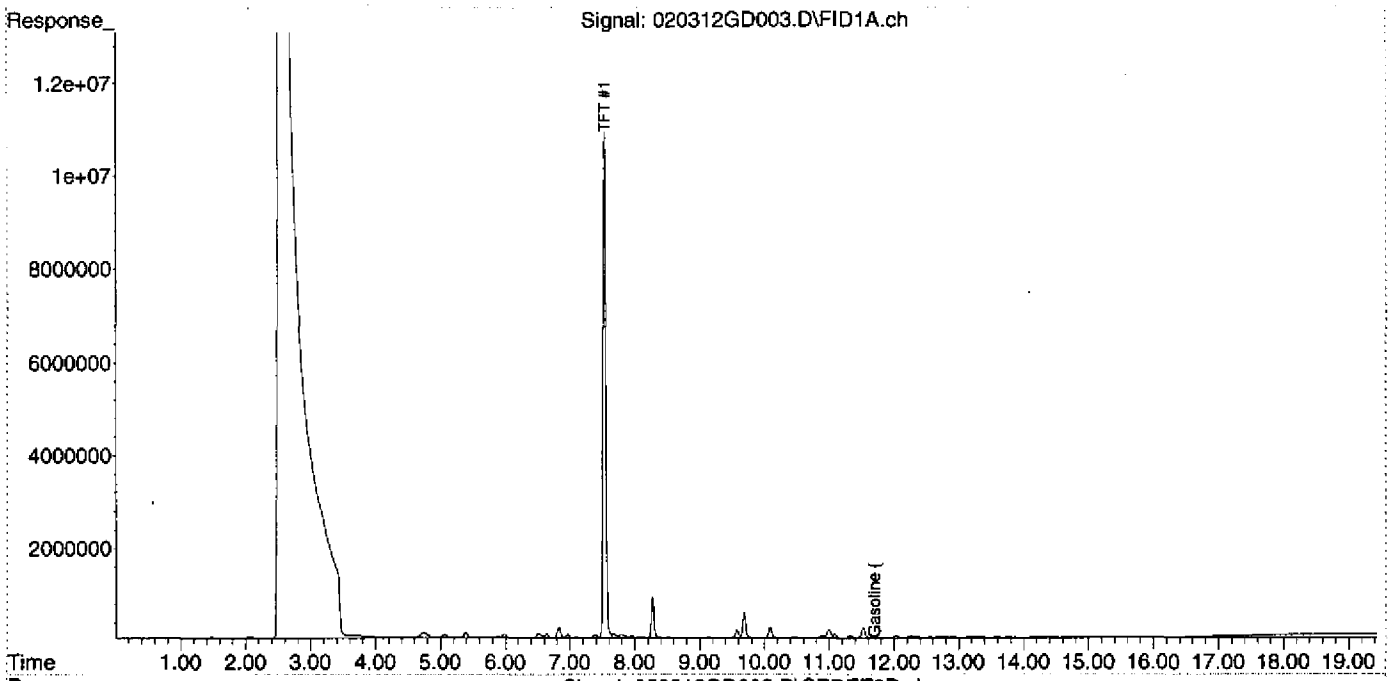
(f)=RT Delta > 1/2 Window (m)=manual int.

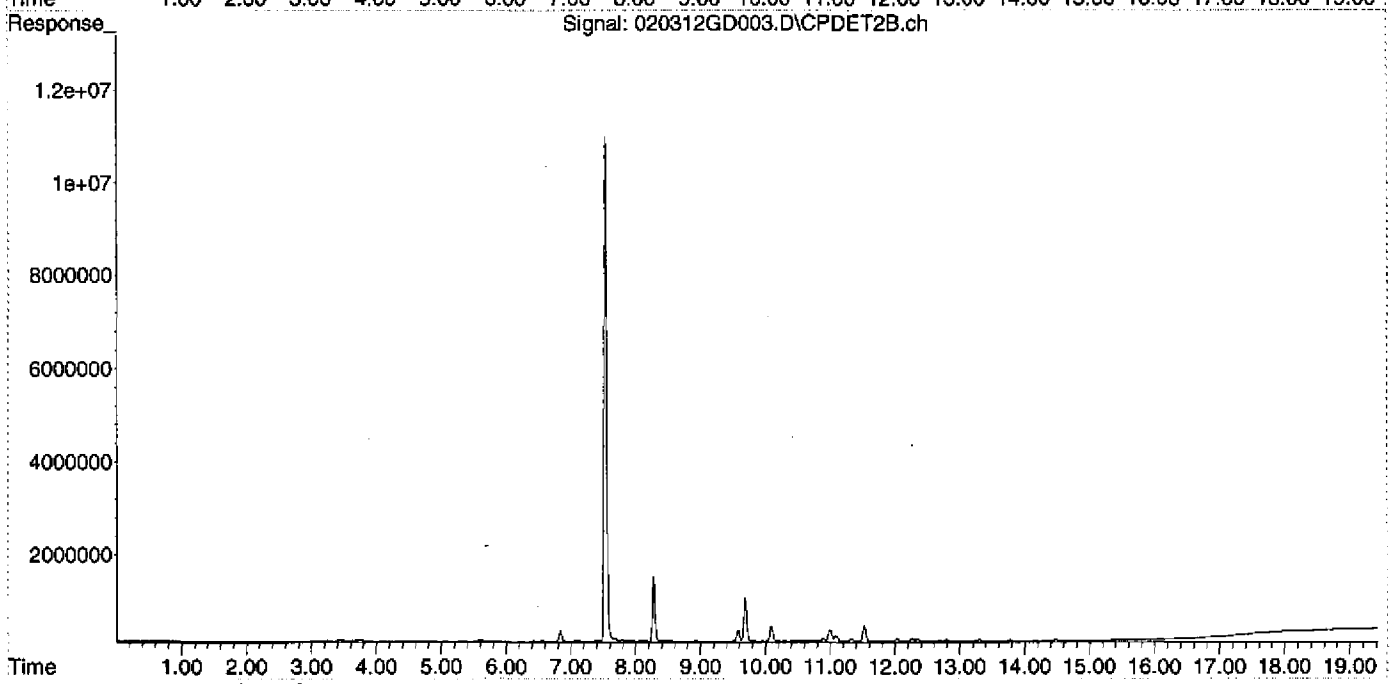
Quantitation Report (Not Reviewed)

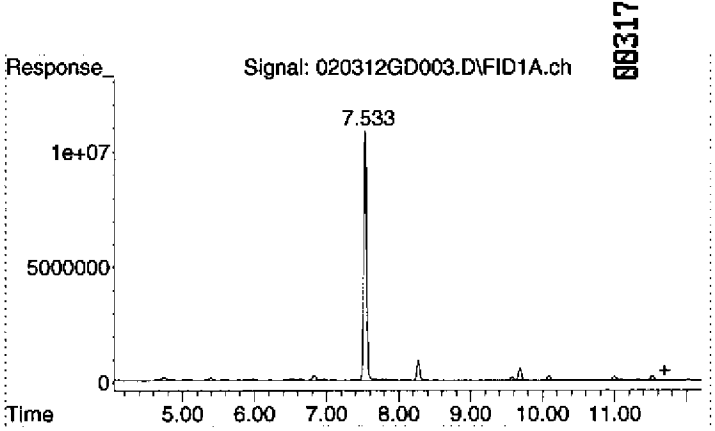
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 1:06 pm
Operator : YNB
Sample : 2020012-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 13:48:18 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: 119864651
Conc: 53.84 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 1:35 pm
Operator : YNB
Sample : B2B0016-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 14:25:23 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	7.535	301289546	125.327 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.26%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

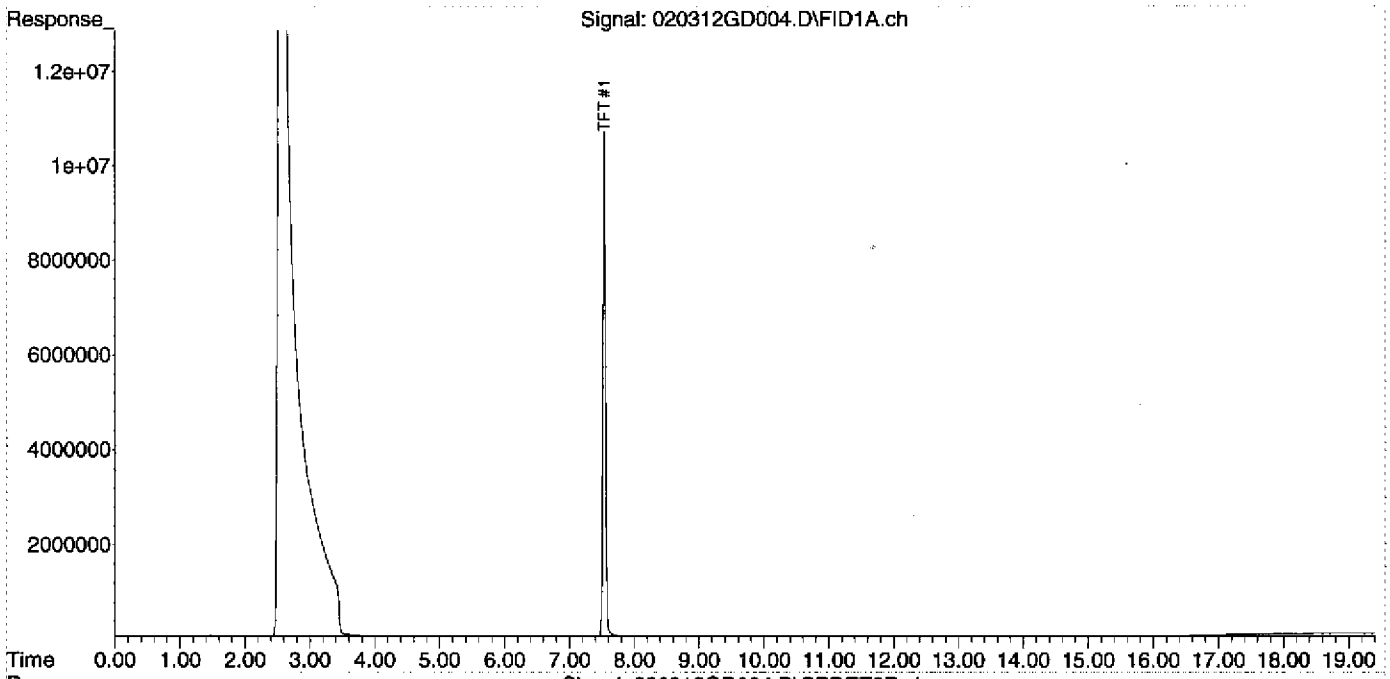
(f)=RT Delta > 1/2 Window (m)=manual int.

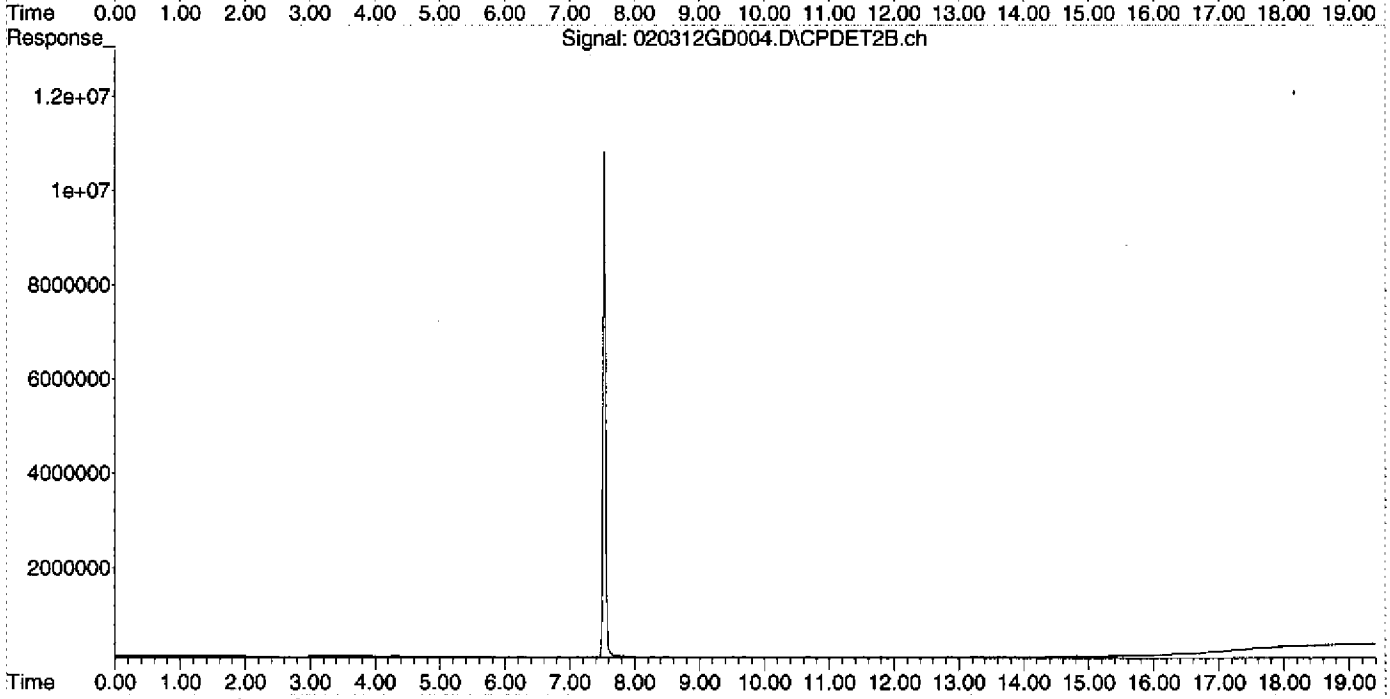
Quantitation Report (Not Reviewed)

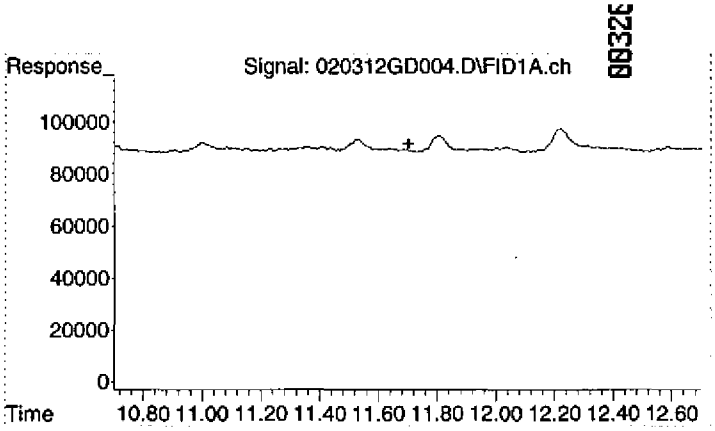
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 1:35 pm
Operator : YNB
Sample : B2B0016-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 14:25:23 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:	0
Conc:	N.D.

D:\MSDCHEM\2012\data\020312DGAS\020312GD005.D

Operator YNB
Sample Name B2B0016-BS1
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVER	STATUS
1)	Gasoline (TPH) #1	ug/L	500	518.06	75	114	104%	PASS
2)	TFT #1	ug/L	125	129.89	76	121	104%	PASS

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 2:06 pm
Operator : YNB
Sample : B2B0016-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: Feb 03 14:26:09 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	312256533	129.889 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 103.91%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1153447586	518.061 ug/L

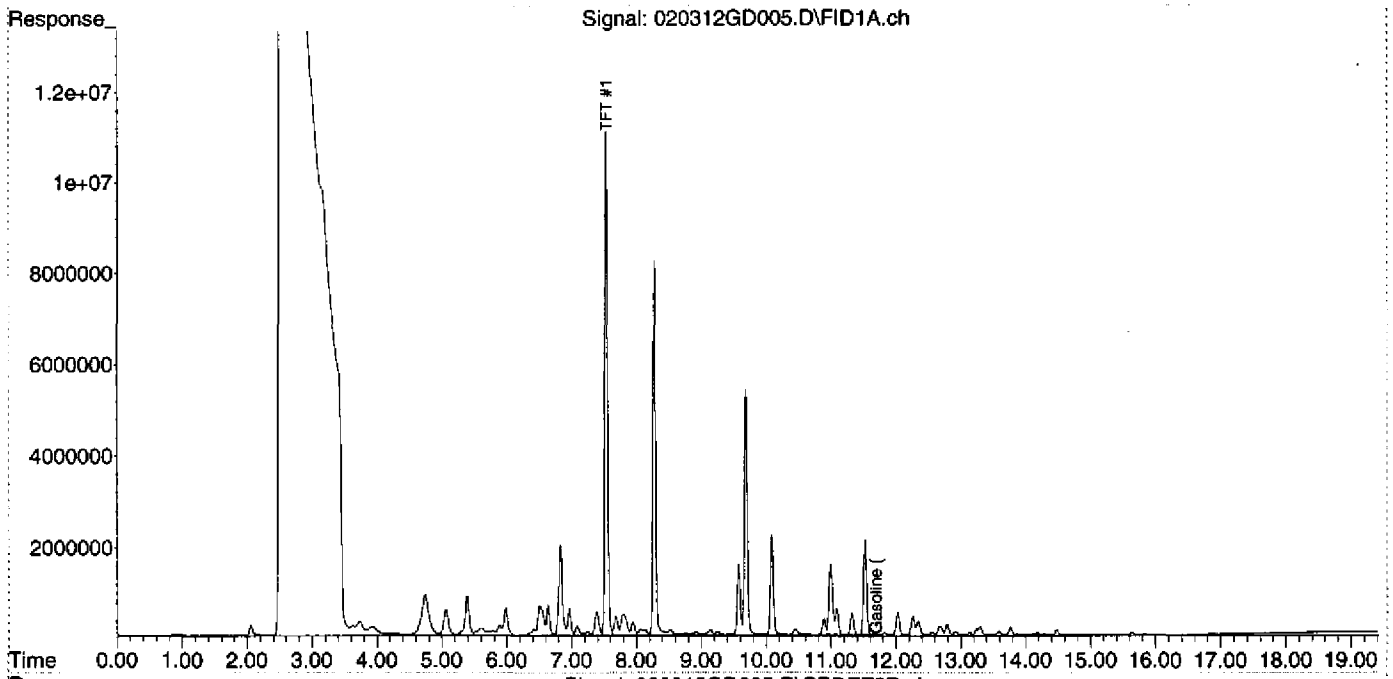
(f)=RT Delta > 1/2 Window (m)=manual int.

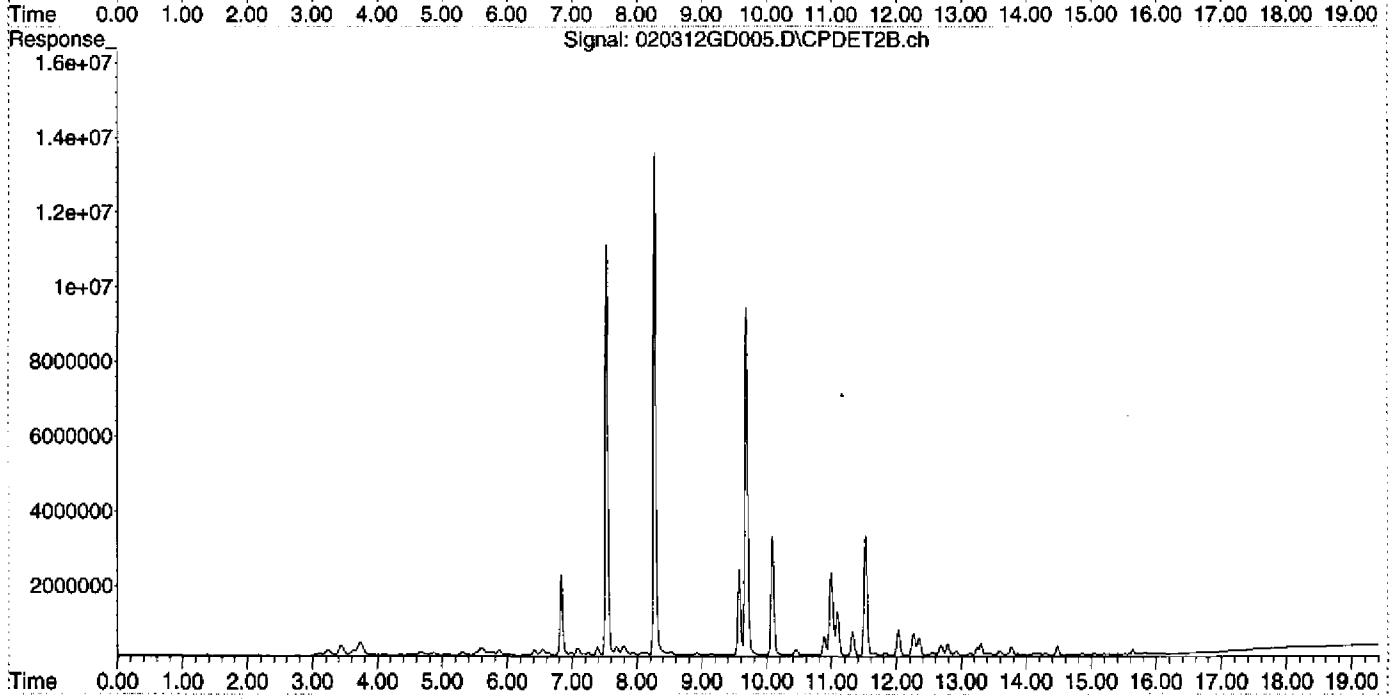
Quantitation Report (Not Reviewed)

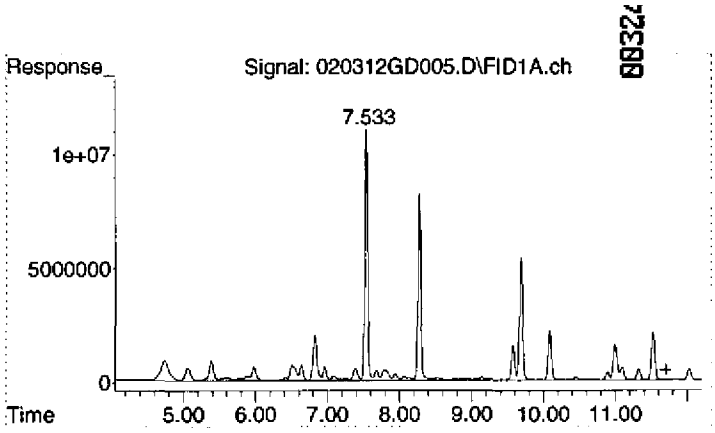
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 2:06 pm
Operator : YNB
Sample : B2B0016-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 14:26:09 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: 1153447586
Conc: 518.06 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 2:34 pm
Operator : YNB
Sample : 1202011-04
Misc : TB15,A, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 15:11:43 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	7.530	301735465	125.512 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.41%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	5394952	2.423 ug/L

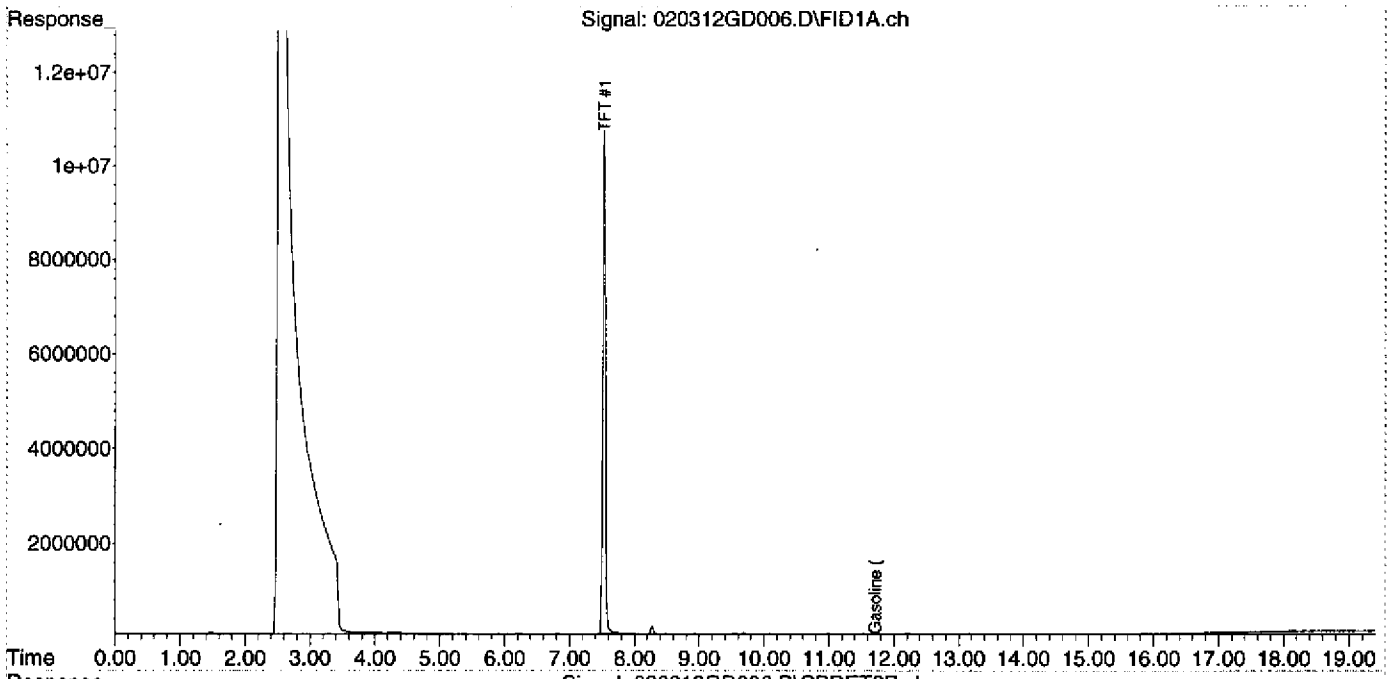
(f)=RT Delta > 1/2 Window (m)=manual int.

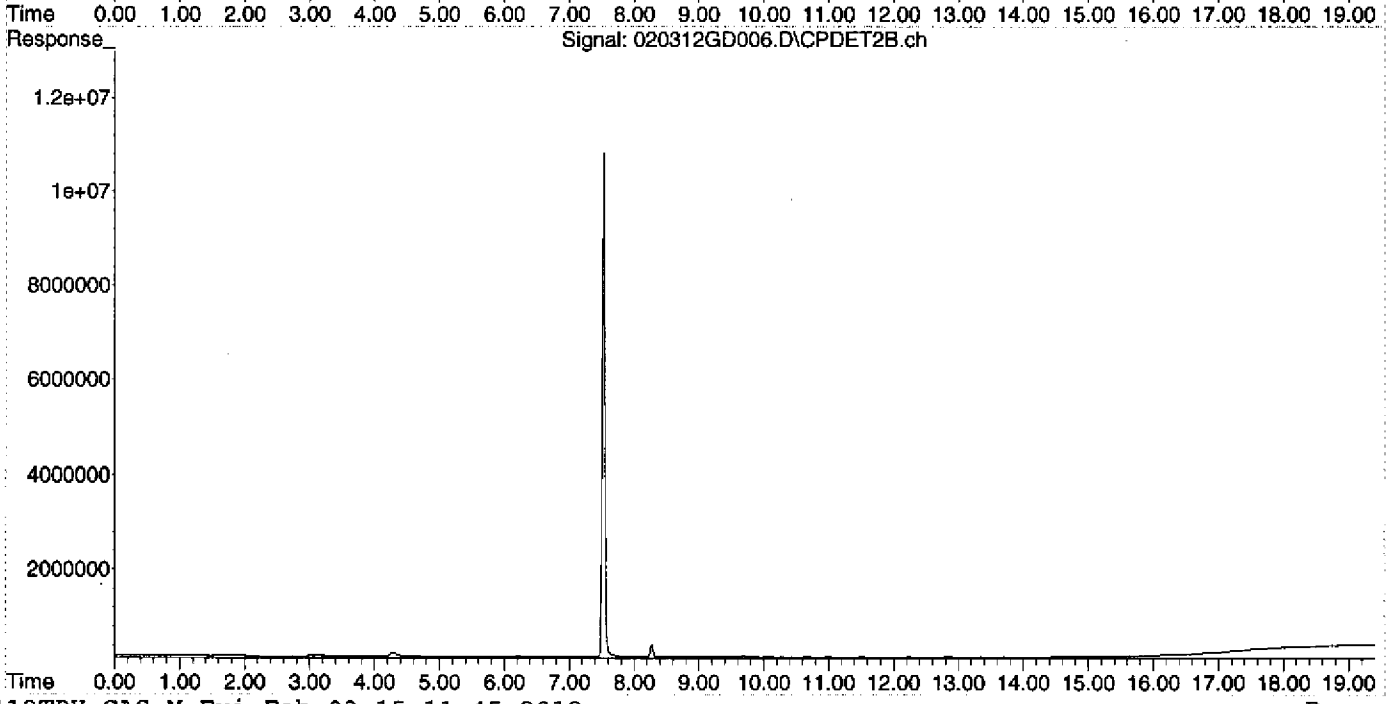
Quantitation Report (Not Reviewed)

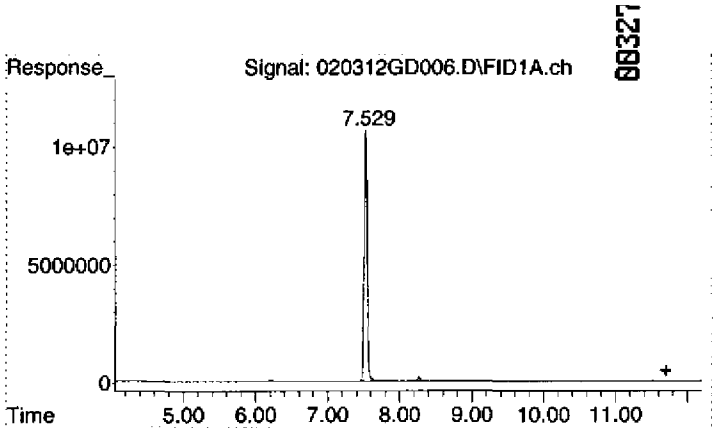
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 2:34 pm
Operator : YNB
Sample : 1202011-04
Misc : TB15,A, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 15:11:43 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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	5394952
Conc:	2.42 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 3:03 pm
Operator : YNB
Sample : 1202011-05
Misc : FB08,C, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:16:55 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	7.536	307699358	127.993 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 102.39%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1482672	0.666 ug/L

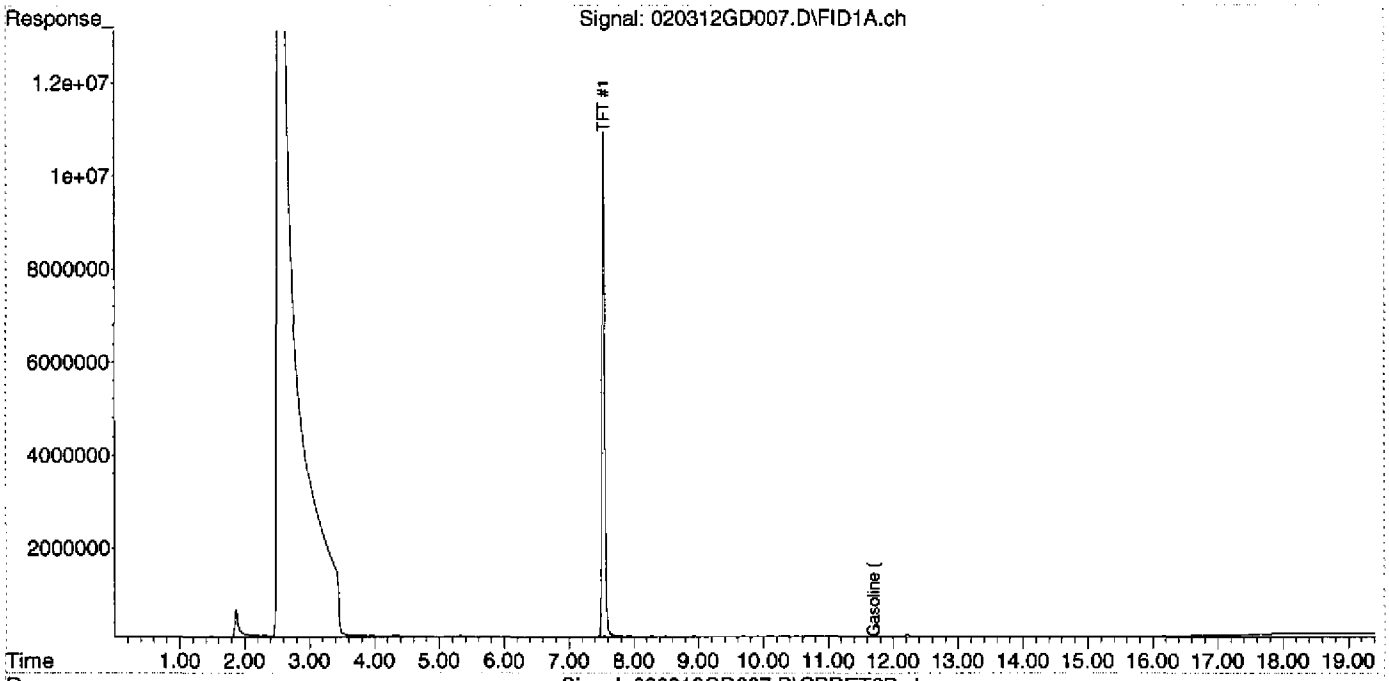
(f)=RT Delta > 1/2 Window (m)=manual int.

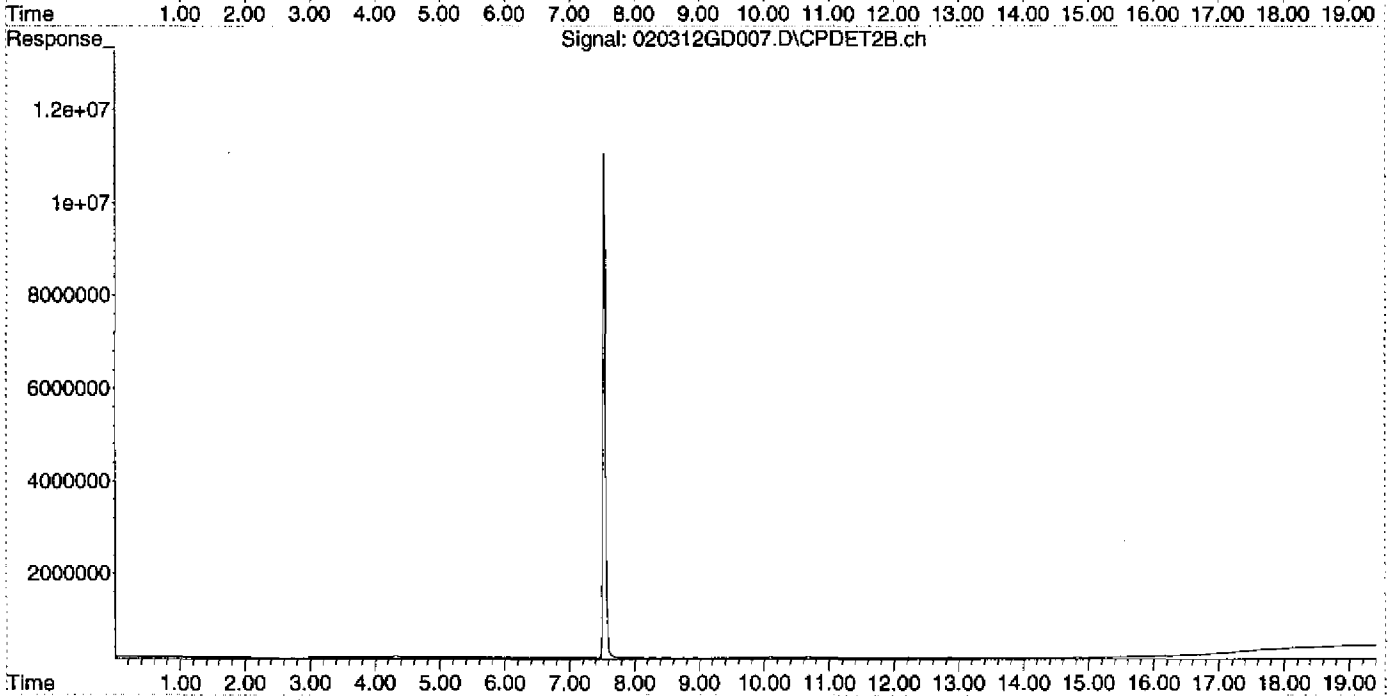
Quantitation Report (Not Reviewed)

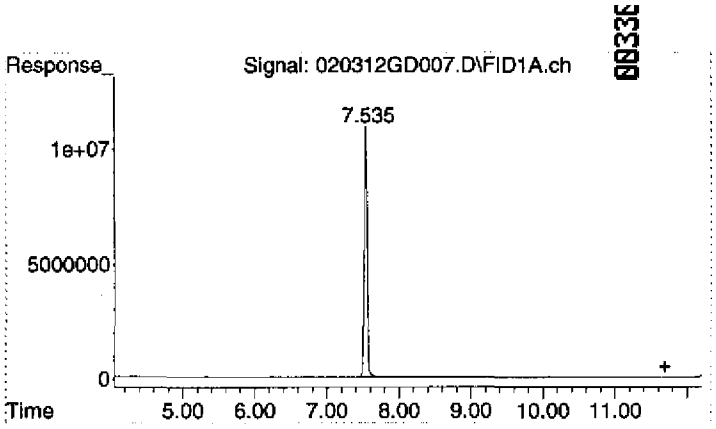
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 3:03 pm
Operator : YNB
Sample : 1202011-05
Misc : FB08,C, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:16:55 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:	1482672
Conc:	0.67 ug/L

Quantitation Report (Not Reviewed)

00331

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 3:32 pm
Operator : YNB
Sample : 1202011-08
Misc : TB14,A, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:00 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	7.536	307843614	128.053 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.44%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2692630	1.209 ug/L

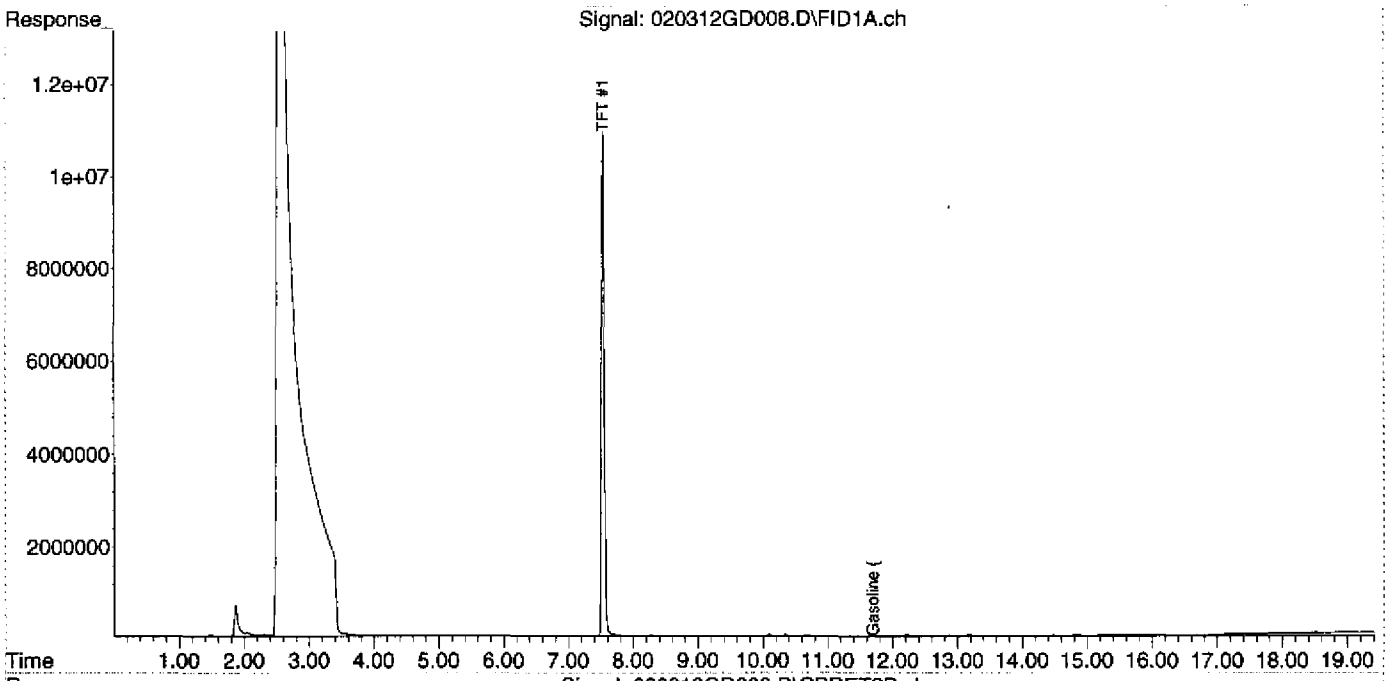
(f)=RT Delta > 1/2 Window (m)=manual int.

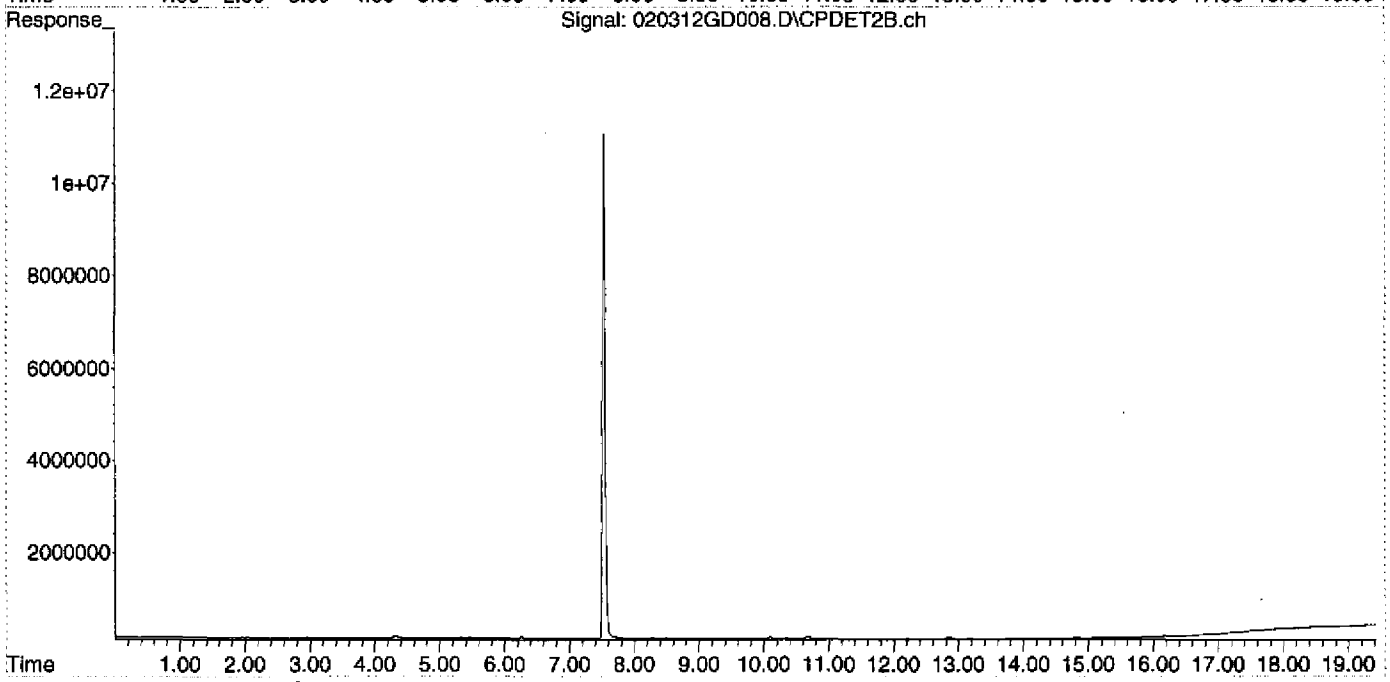
Quantitation Report (Not Reviewed)

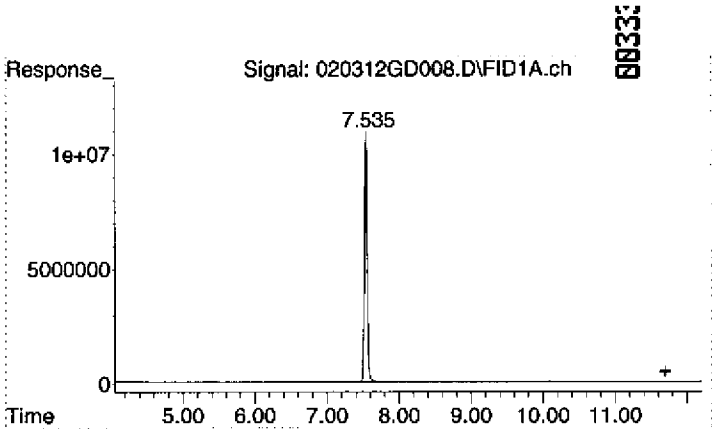
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 3:32 pm
Operator : YNB
Sample : 1202011-08
Misc : TB14,A, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:00 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 #1 Info : FID
Signal #2 Phase: DB-624 75m
Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	2692630
Conc:	1.21 ug/L

Quantitation Report (Not Reviewed)

00334

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 4:01 pm
Operator : YNB
Sample : 1202011-09
Misc : FB09,C, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:05 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	7.535	312870329	130.144 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.12%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	5843351	2.624 ug/L

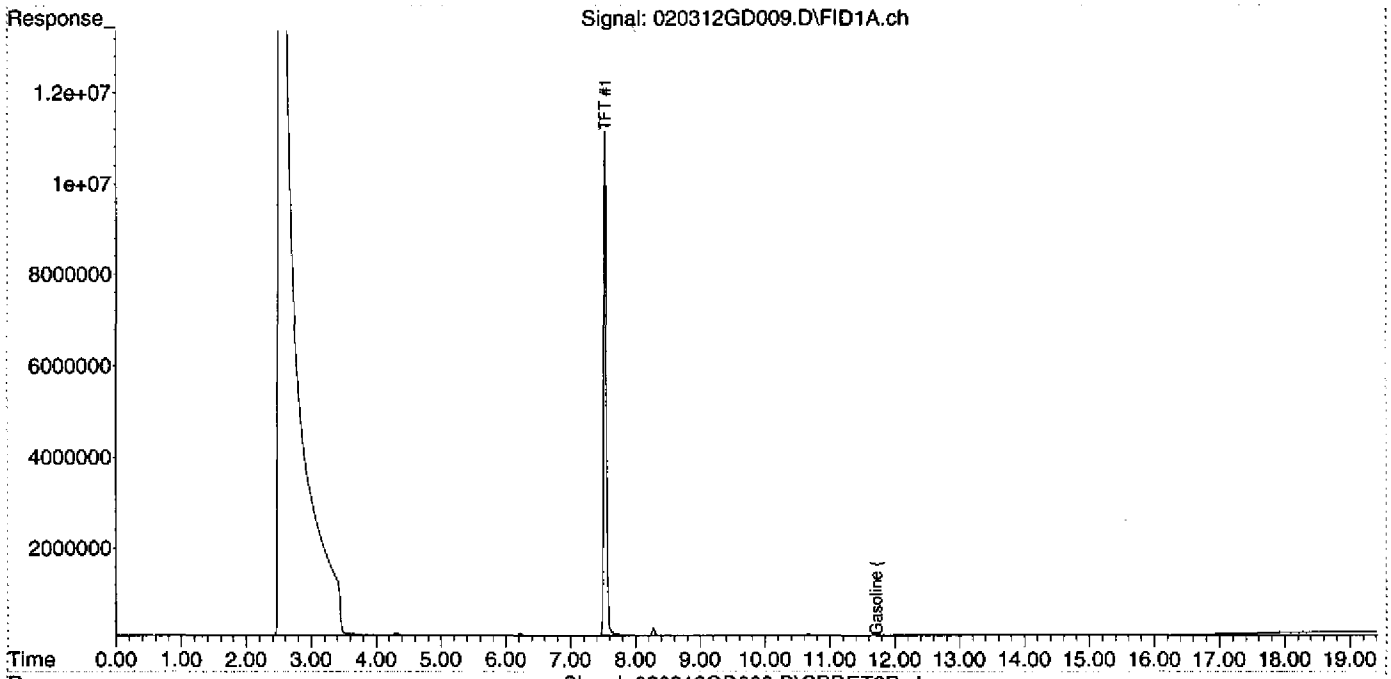
(f)=RT Delta > 1/2 Window (m)=manual int.

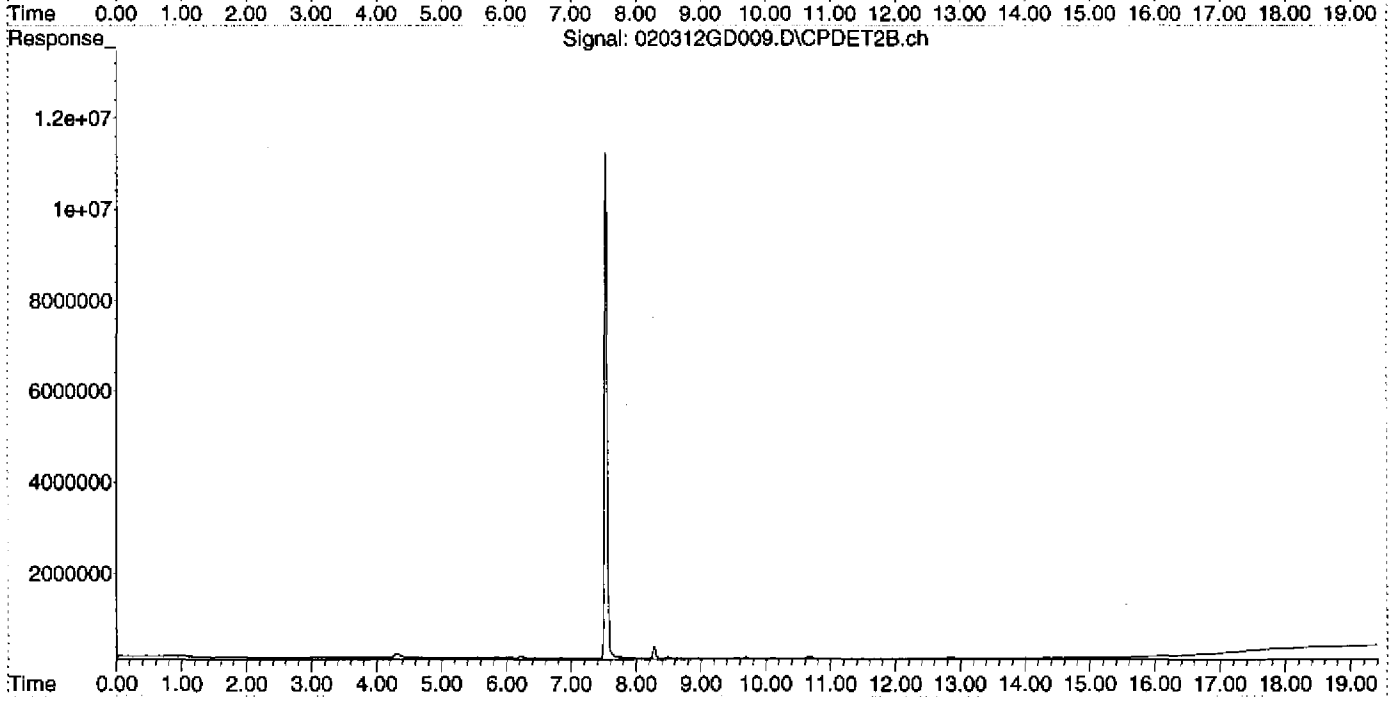
Quantitation Report (Not Reviewed)

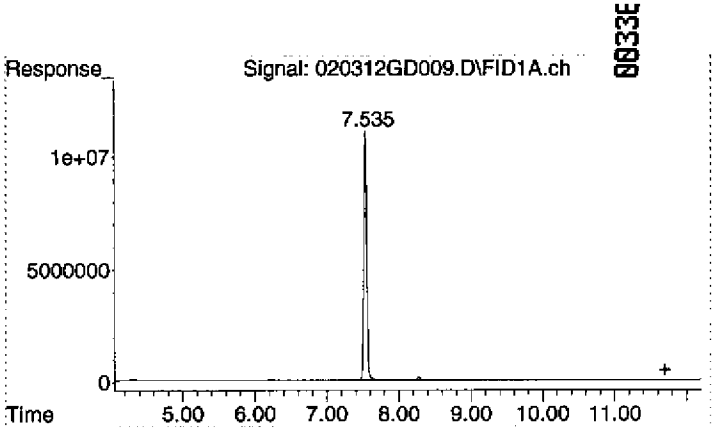
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 4:01 pm
Operator : YNB
Sample : 1202011-09
Misc : FB09,C, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:05 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:	5843351
Conc:	2.62 ug/L

Quantitation Report (Not Reviewed)

00337

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 4:30 pm
Operator : YNB
Sample : 1202011-01
Misc : HW42,C, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:10 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	308604281	128.369 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 102.70%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	4519182	2.030 ug/L

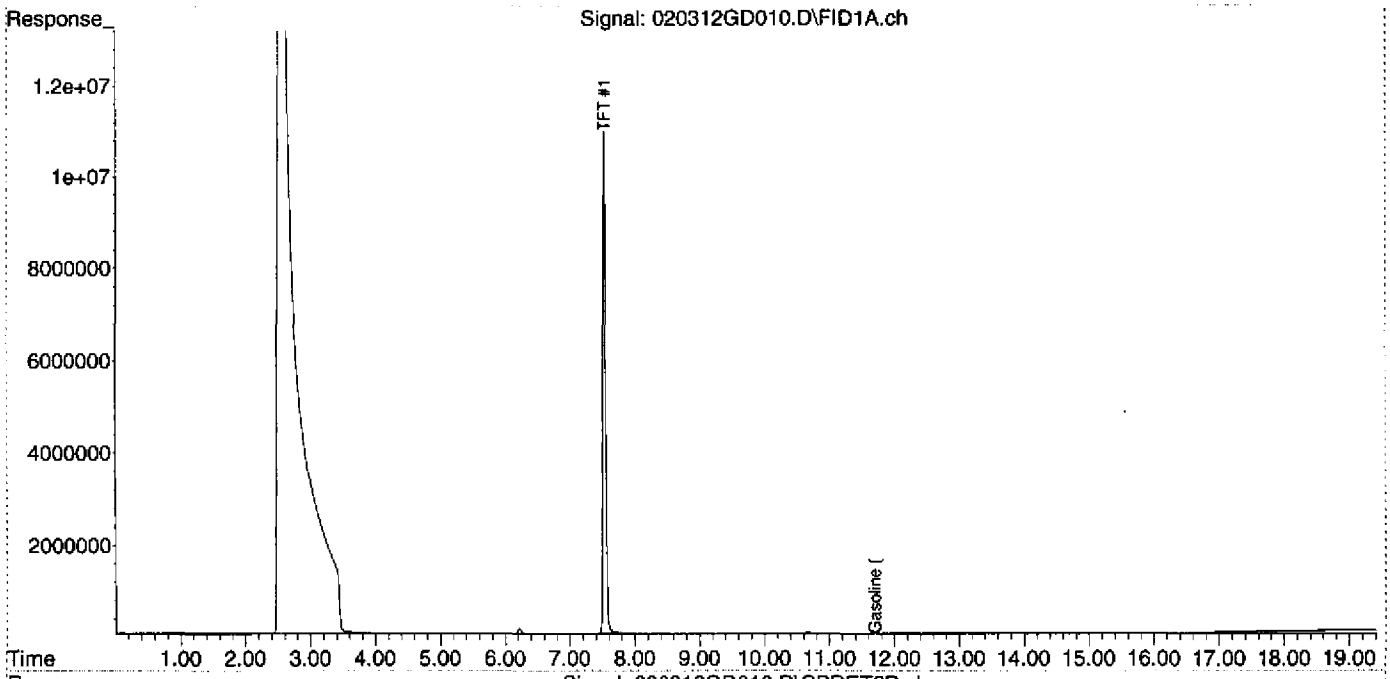
(f)=RT Delta > 1/2 Window (m)=manual int.

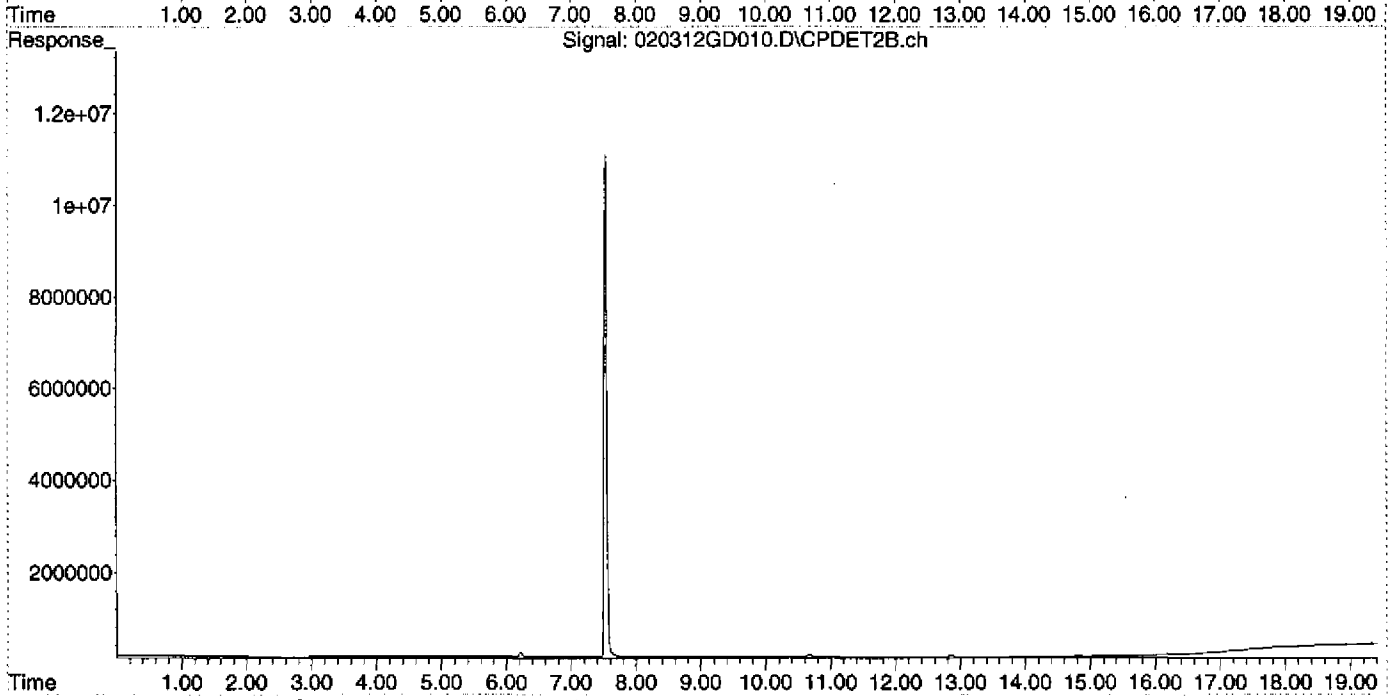
Quantitation Report (Not Reviewed)

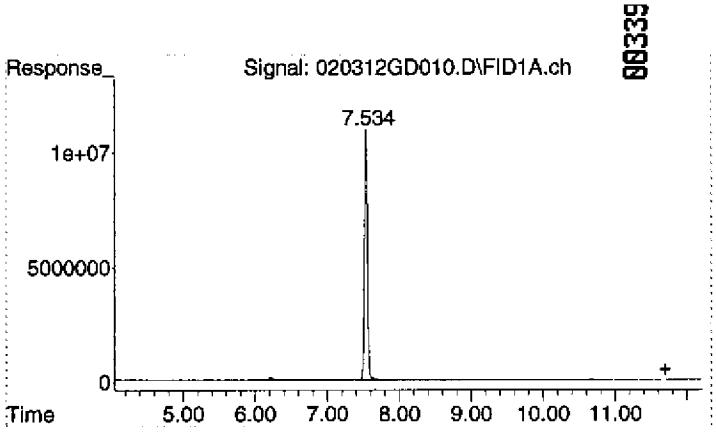
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 4:30 pm
Operator : YNB
Sample : 1202011-01
Misc : HW42,C, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:10 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:	4519182
Conc:	2.03 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 5:01 pm
Operator : YNB
Sample : 1202011-02
Misc : HW46,C, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:15 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	7.534	306956026	127.684	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.15%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

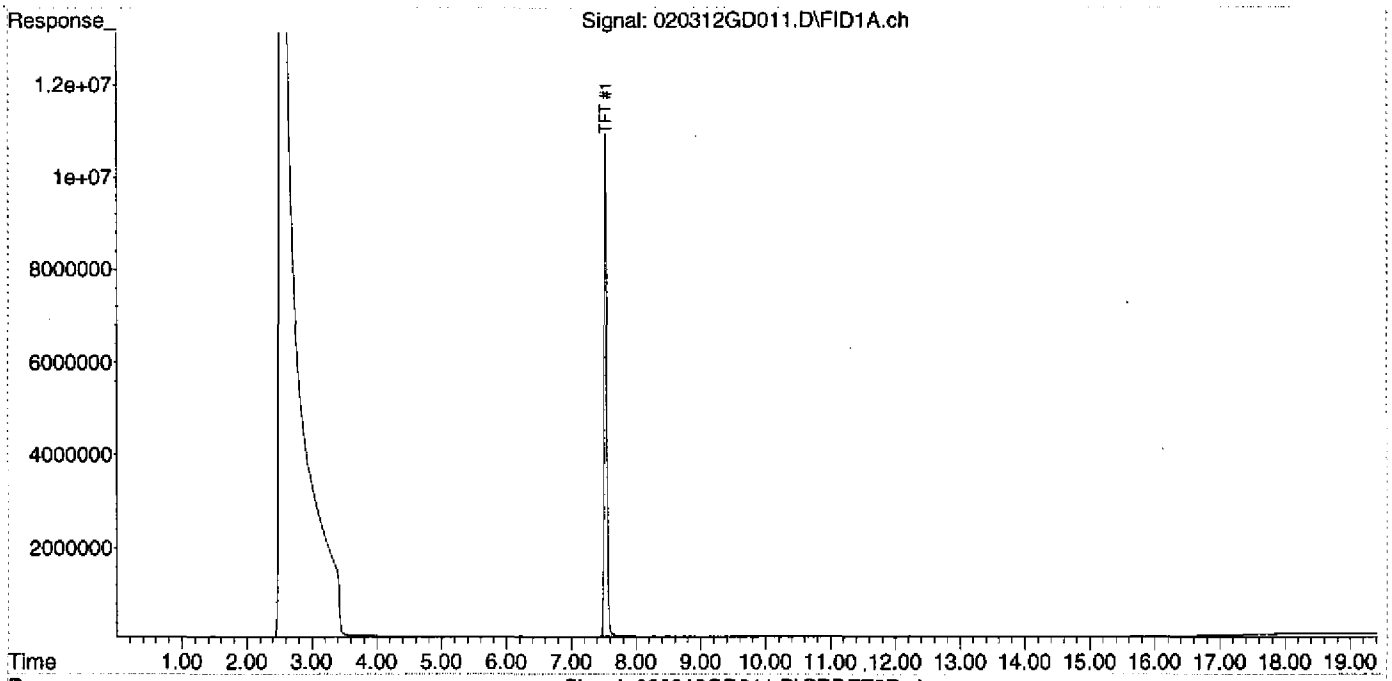
(f)=RT Delta > 1/2 Window (m)=manual int.

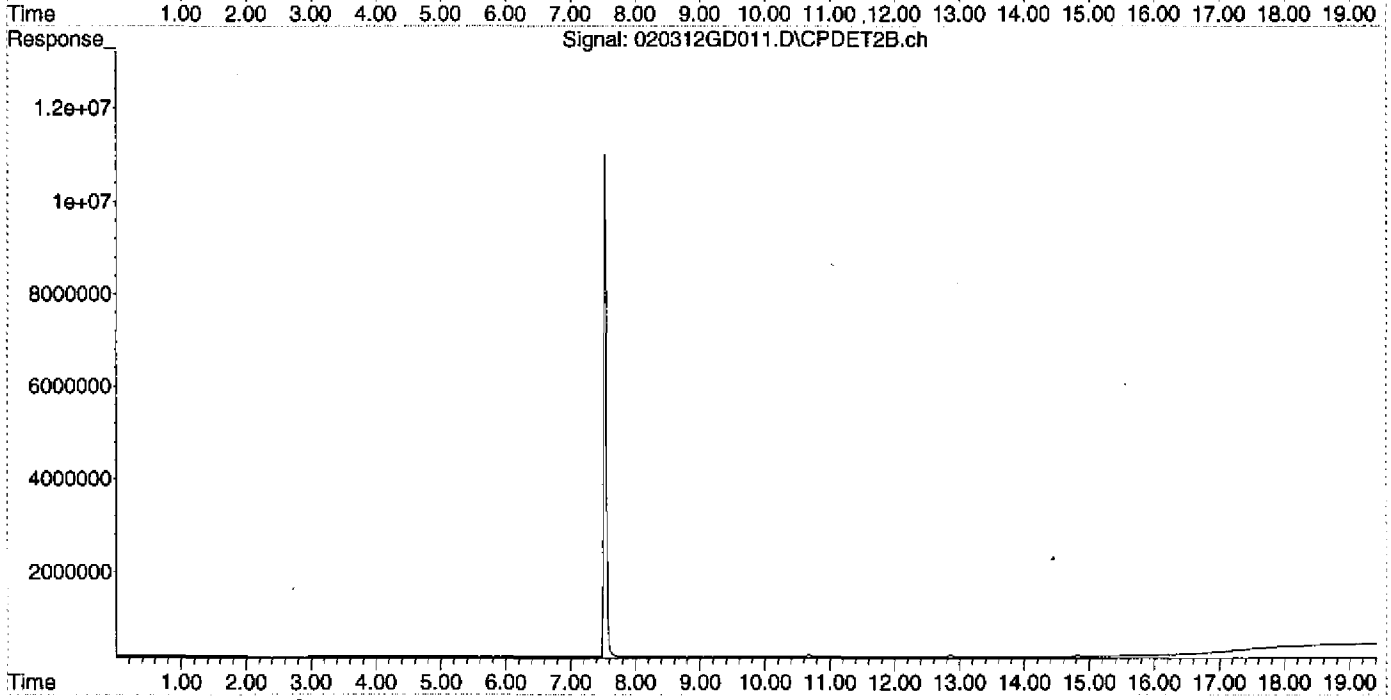
Quantitation Report (Not Reviewed)

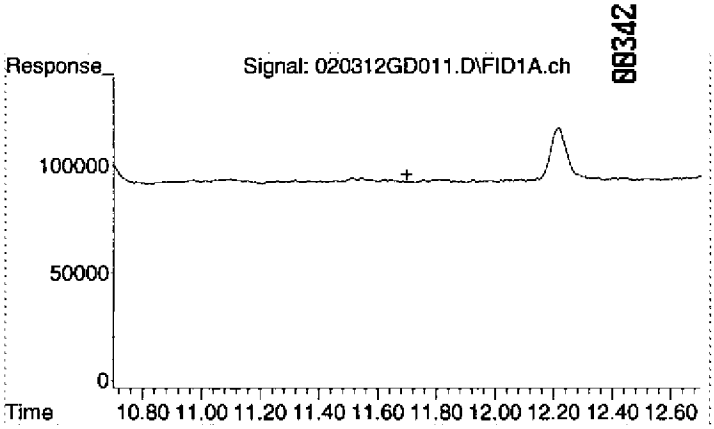
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 5:01 pm
Operator : YNB
Sample : 1202011-02
Misc : HW46,C, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:15 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:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

00343

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 5:29 pm
Operator : YNB
Sample : 1202011-03
Misc : HW46-p,C, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:20 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	7.536	301987557	125.617 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.49%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

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

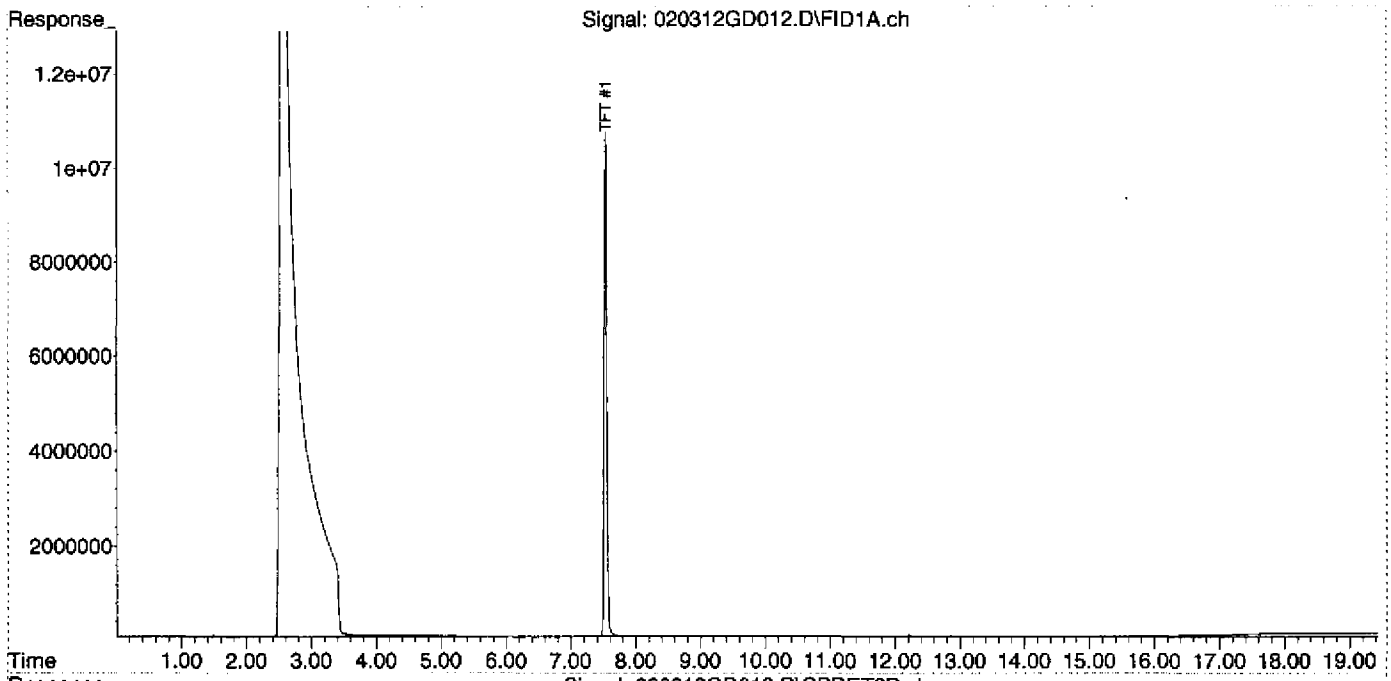
Quantitation Report (Not Reviewed)

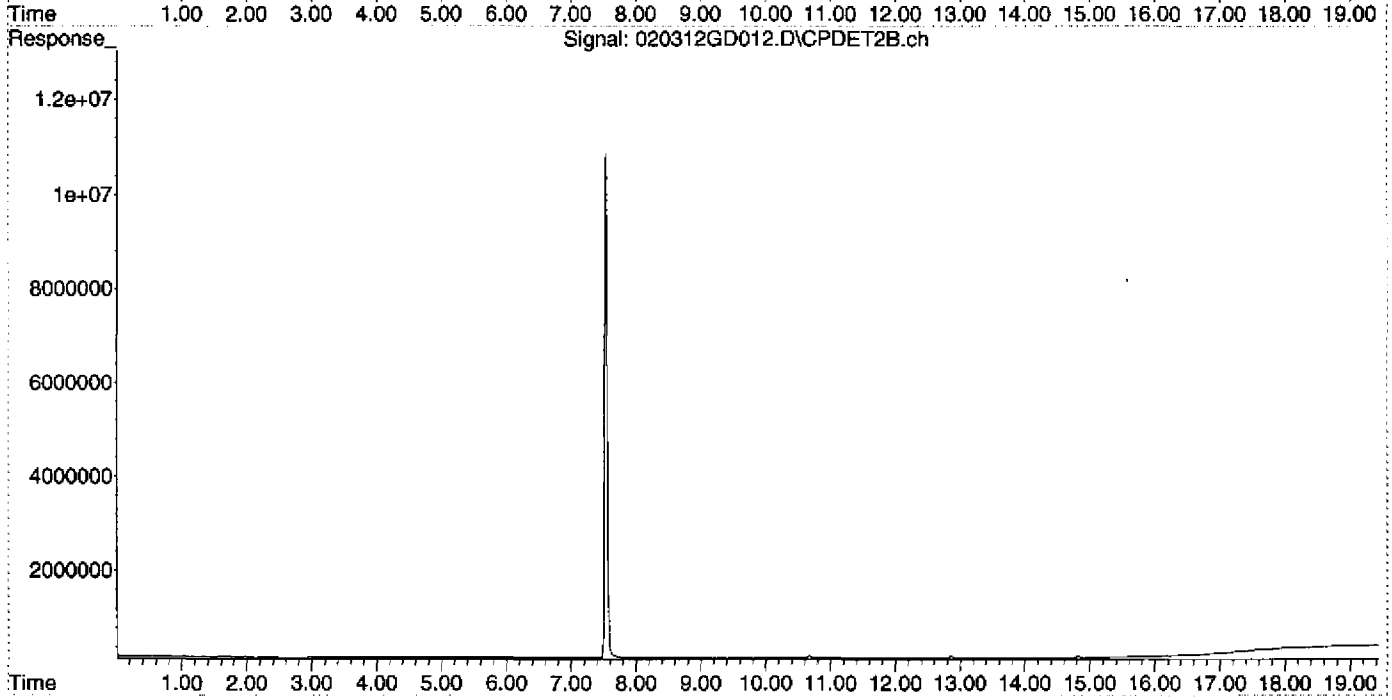
00344

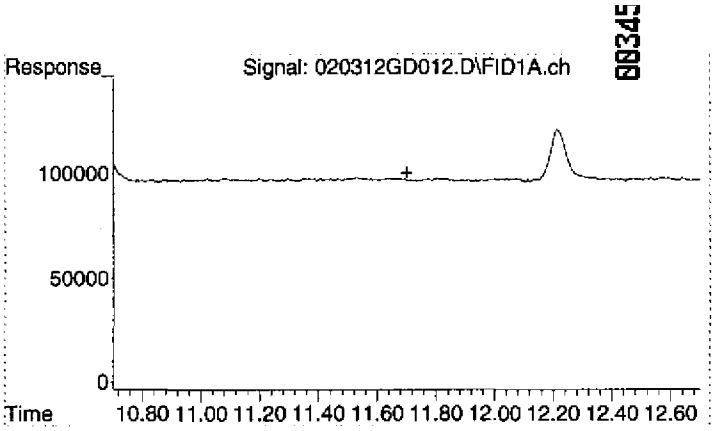
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 5:29 pm
Operator : YNB
Sample : 1202011-03
Misc : HW46-p,C, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:20 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:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 6:29 pm
Operator : YNB
Sample : 1202011-06
Misc : HW34a,C, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:25 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	7.529	293291928	122.000 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 97.60%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	3694160	1.659 ug/L

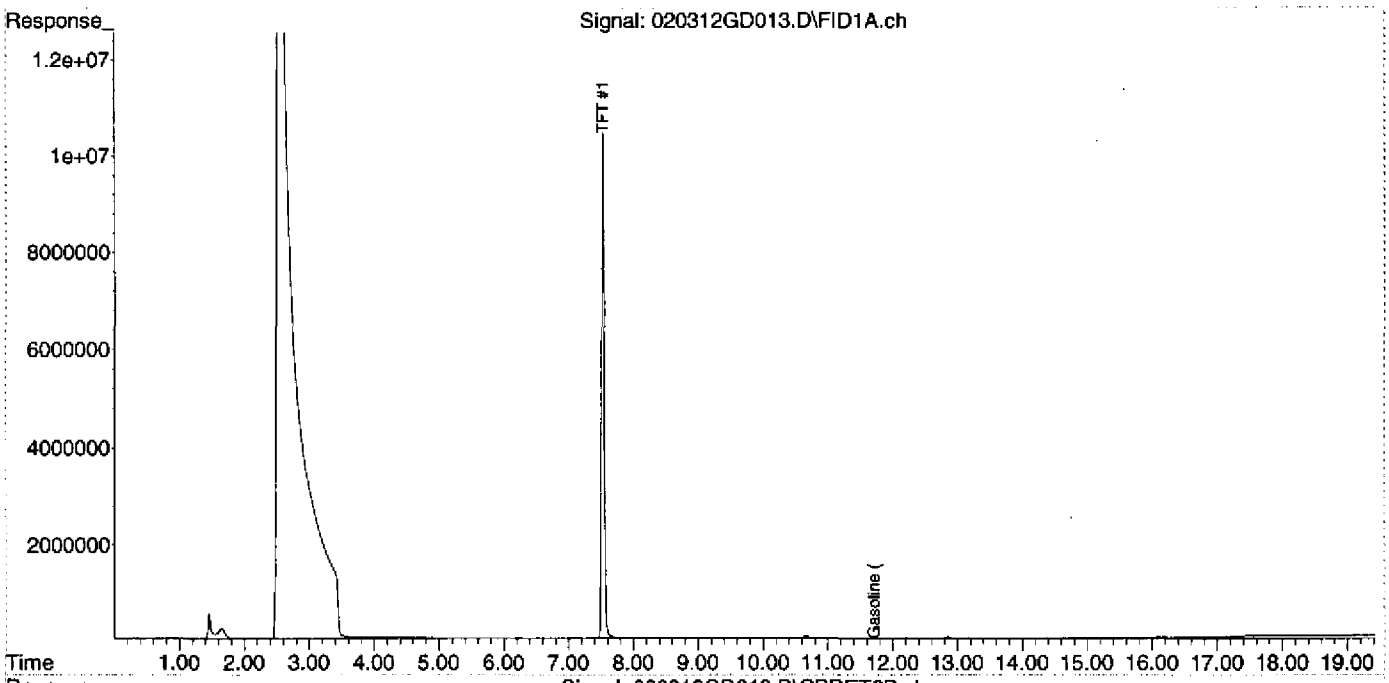
(f)=RT Delta > 1/2 Window (m)=manual int.

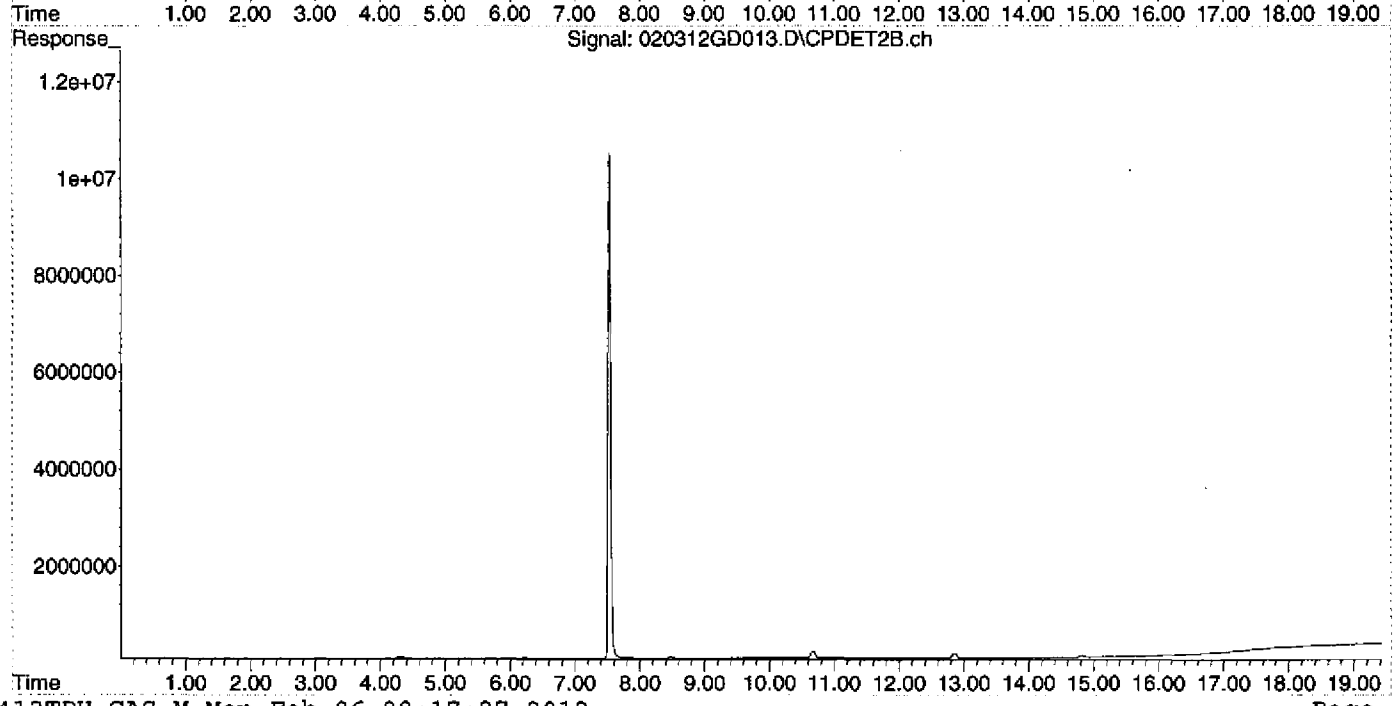
Quantitation Report (Not Reviewed)

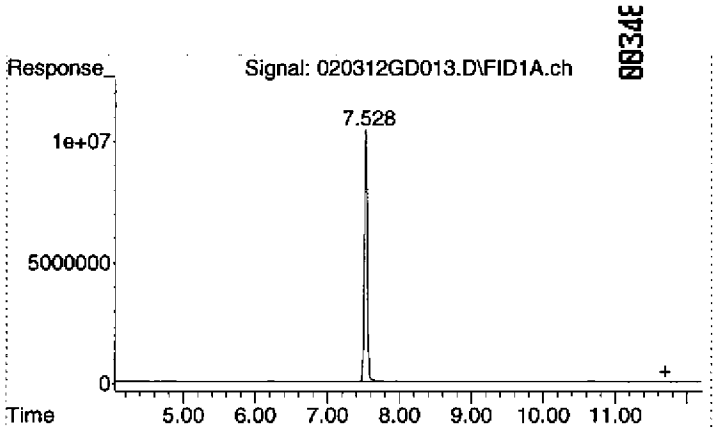
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 6:29 pm
Operator : YNB
Sample : 1202011-06
Misc : HW34a,C, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:25 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:	3694160
Conc:	1.66 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 6:58 pm
Operator : YNB
Sample : 1202011-10
Misc : HW42z,C, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:30 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	7.532	305731715	127.175 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 101.74%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1789919	0.804 ug/L

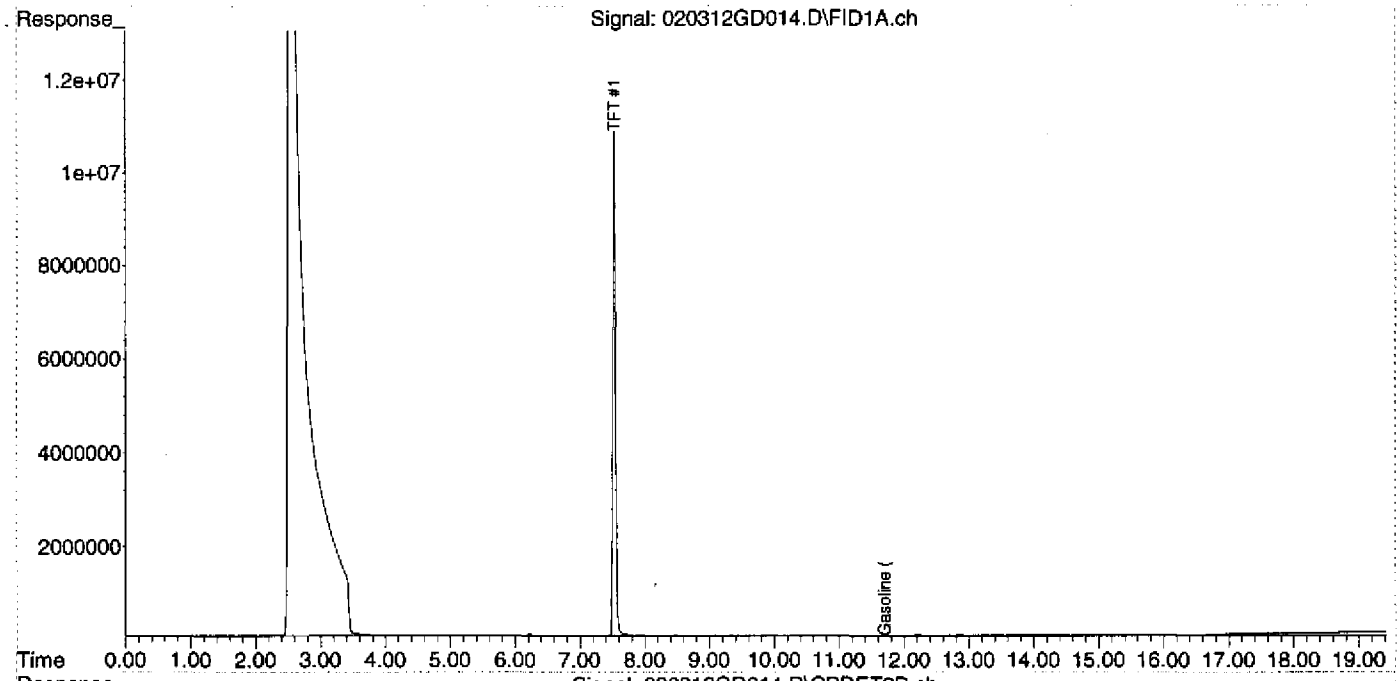
(f)=RT Delta > 1/2 Window (m)=manual int.

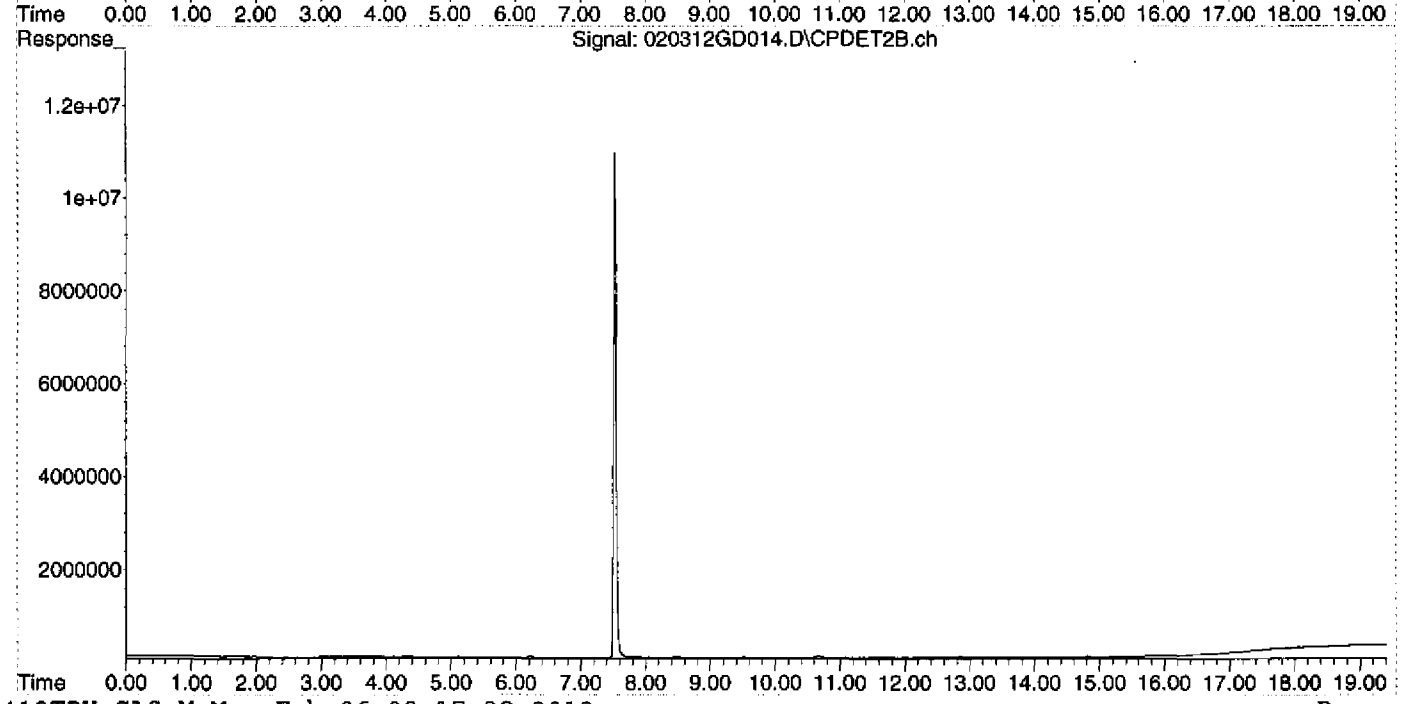
Quantitation Report (Not Reviewed)

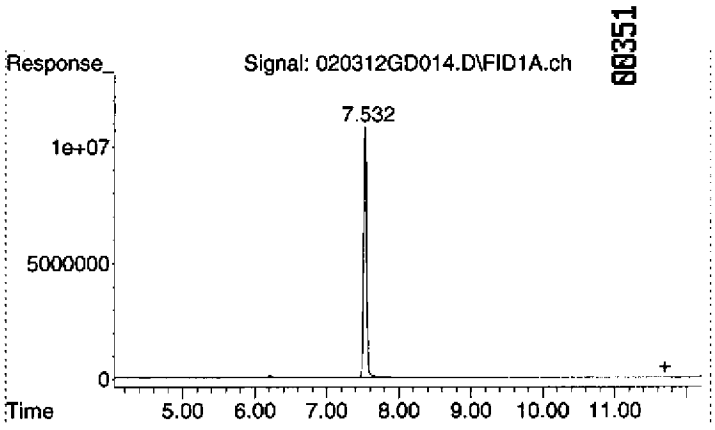
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 6:58 pm
Operator : YNB
Sample : 1202011-10
Misc : HW42z,C, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:30 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:	1789919
Conc:	0.80 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 7:27 pm
Operator : YNB
Sample : 1202011-11
Misc : TB16,A, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:35 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	7.532	290431819	120.810 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 96.65%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	5077550	2.281 ug/L

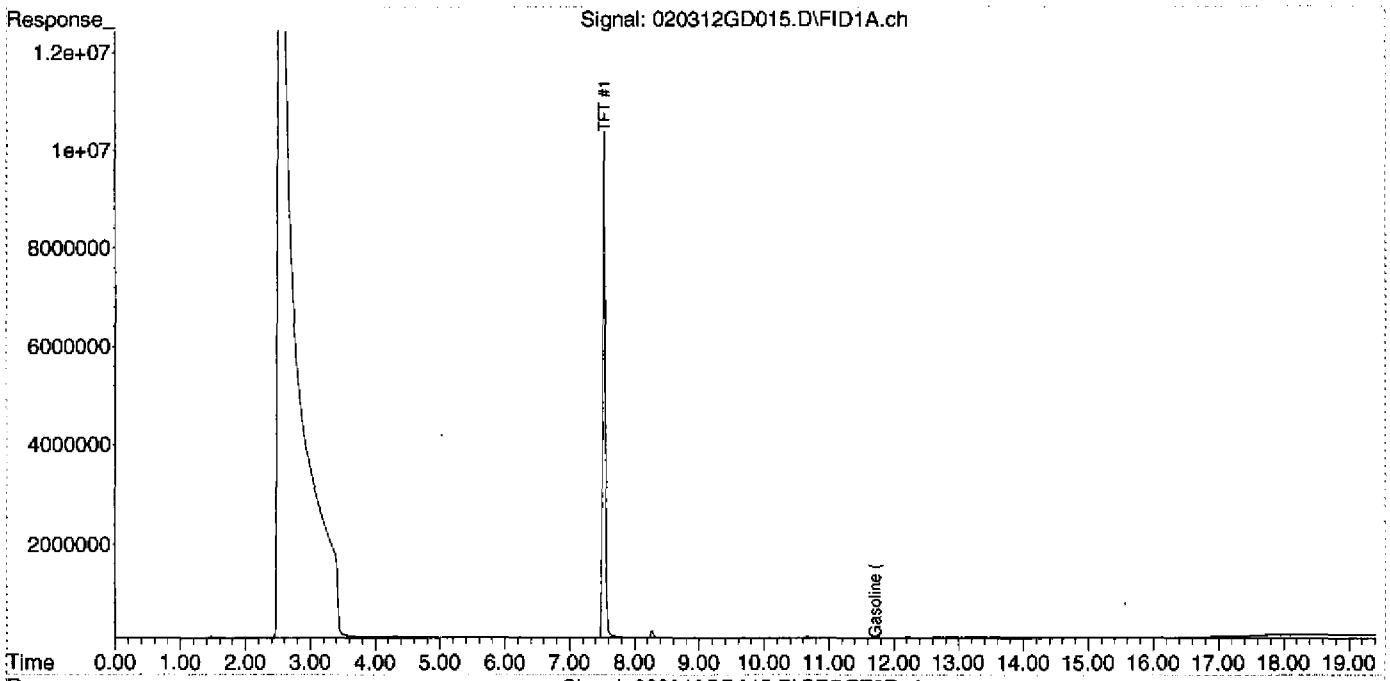
(f)=RT Delta > 1/2 Window (m)=manual int.

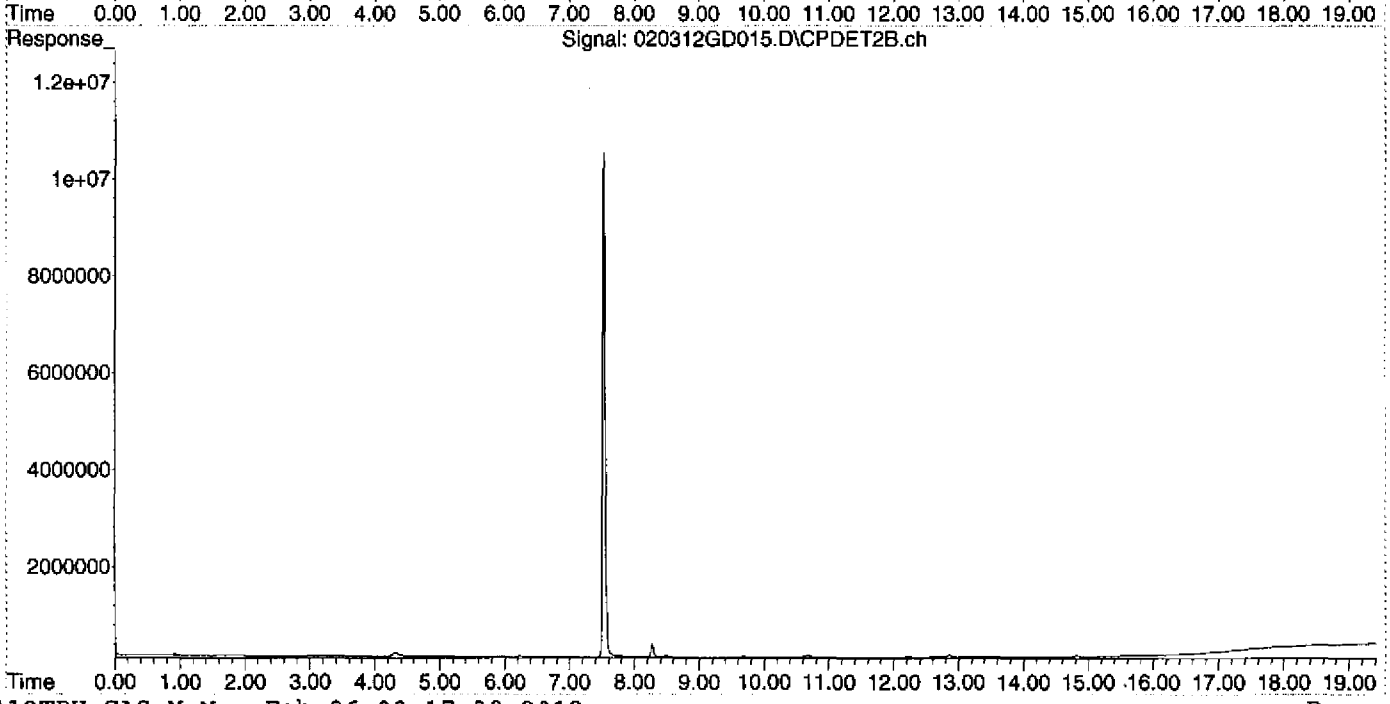
Quantitation Report (Not Reviewed)

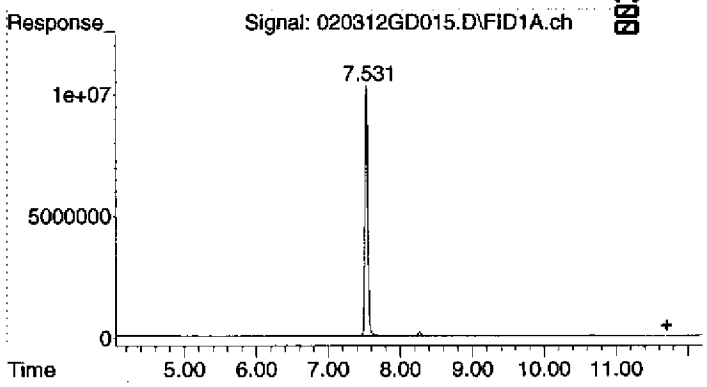
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 7:27 pm
Operator : YNB
Sample : 1202011-11
Misc : TB16,A, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:35 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:	5077550
Conc:	2.28 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 7:55 pm
Operator : YNB
Sample : 1202011-07
Misc : HW34a-P,G, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:41 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	295921922	123.094 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 98.48%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1964569	0.882 ug/L

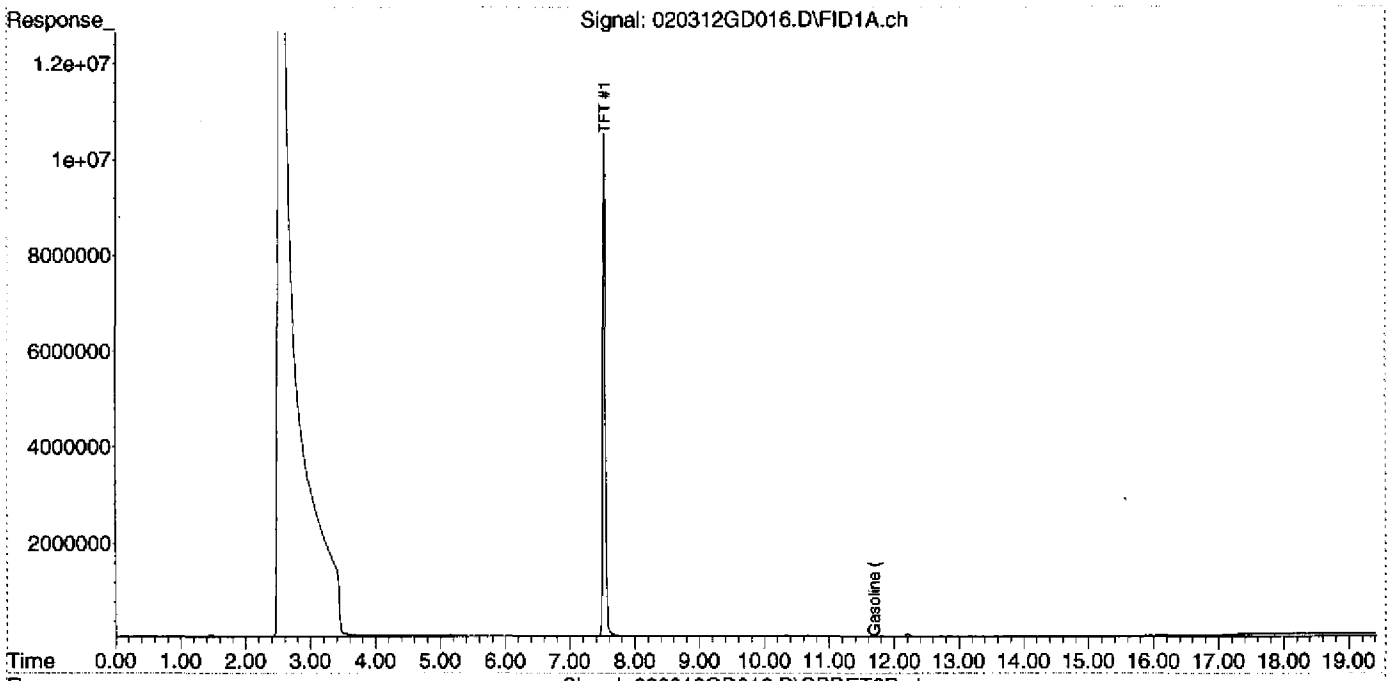
(f)=RT Delta > 1/2 Window (m)=manual int.

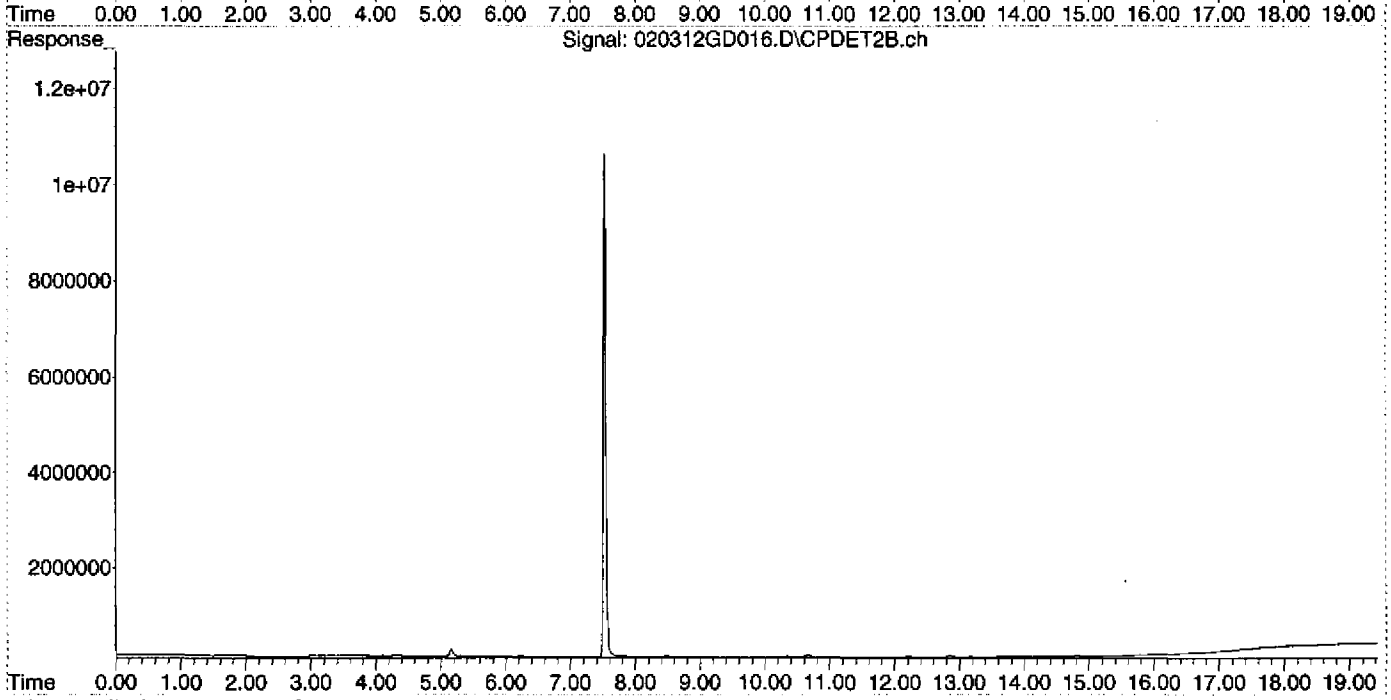
Quantitation Report (Not Reviewed)

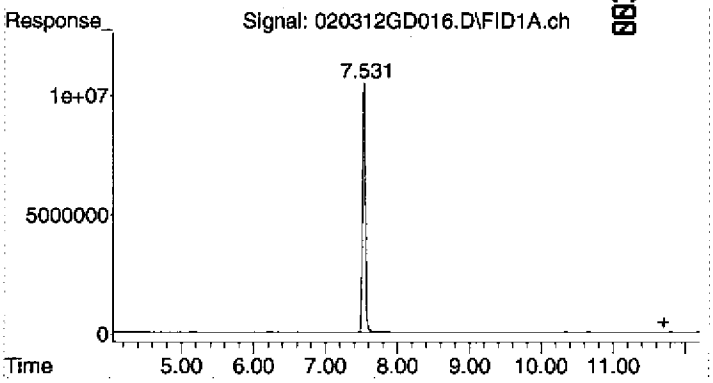
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 7:55 pm
Operator : YNB
Sample : 1202011-07
Misc : HW34a-P,G, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:41 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:	1964569
Conc:	0.88 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 8:23 pm
Operator : YNB
Sample : B2B0016-MS1
Misc : HW34a-P,H, WATER SPIKE
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:46 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	313303229	130.324 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 104.26%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1251710308	562.194 ug/L

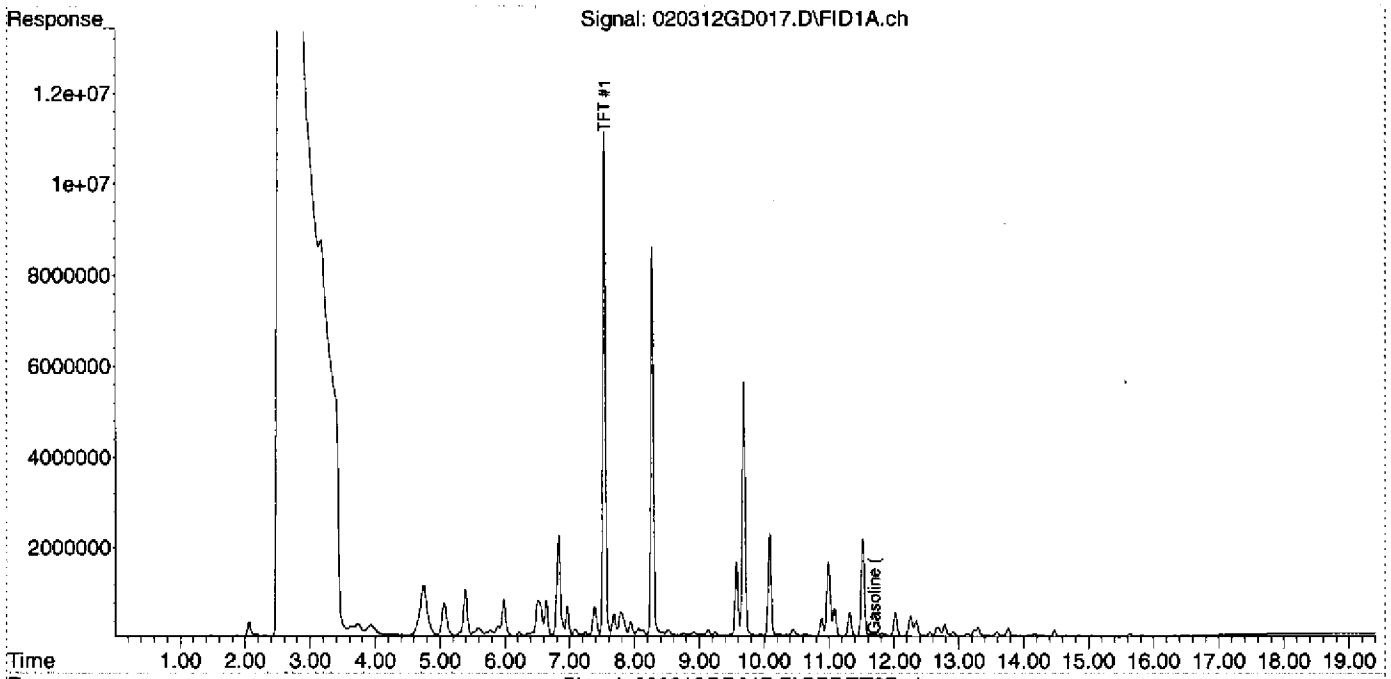
(f)=RT Delta > 1/2 Window (m)=manual int.

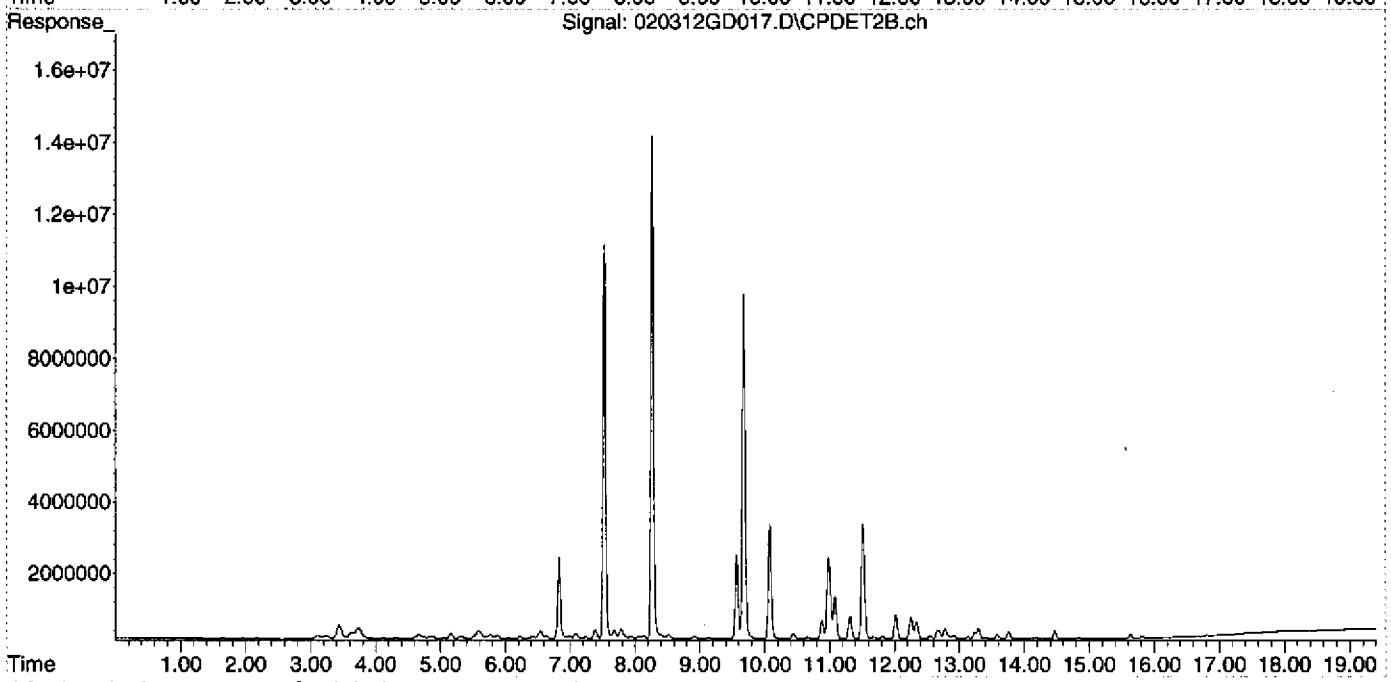
Quantitation Report (Not Reviewed)

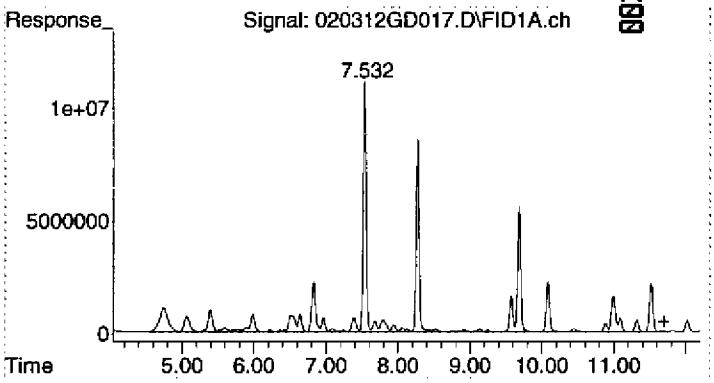
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 8:23 pm
Operator : YNB
Sample : B2B0016-MS1
Misc : HW34a-P,H, WATER SPIKE
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:46 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







00360

#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1251710308
Conc: 562.19 ug/L

Quantitation Report (Not Reviewed)

00361

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 8:52 pm
Operator : YNB
Sample : B2B0016-MSD1
Misc : HW34a-P,I, WATER SPIKE
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:51 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	316426320	131.623 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 105.30%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1295761902	581.980 ug/L

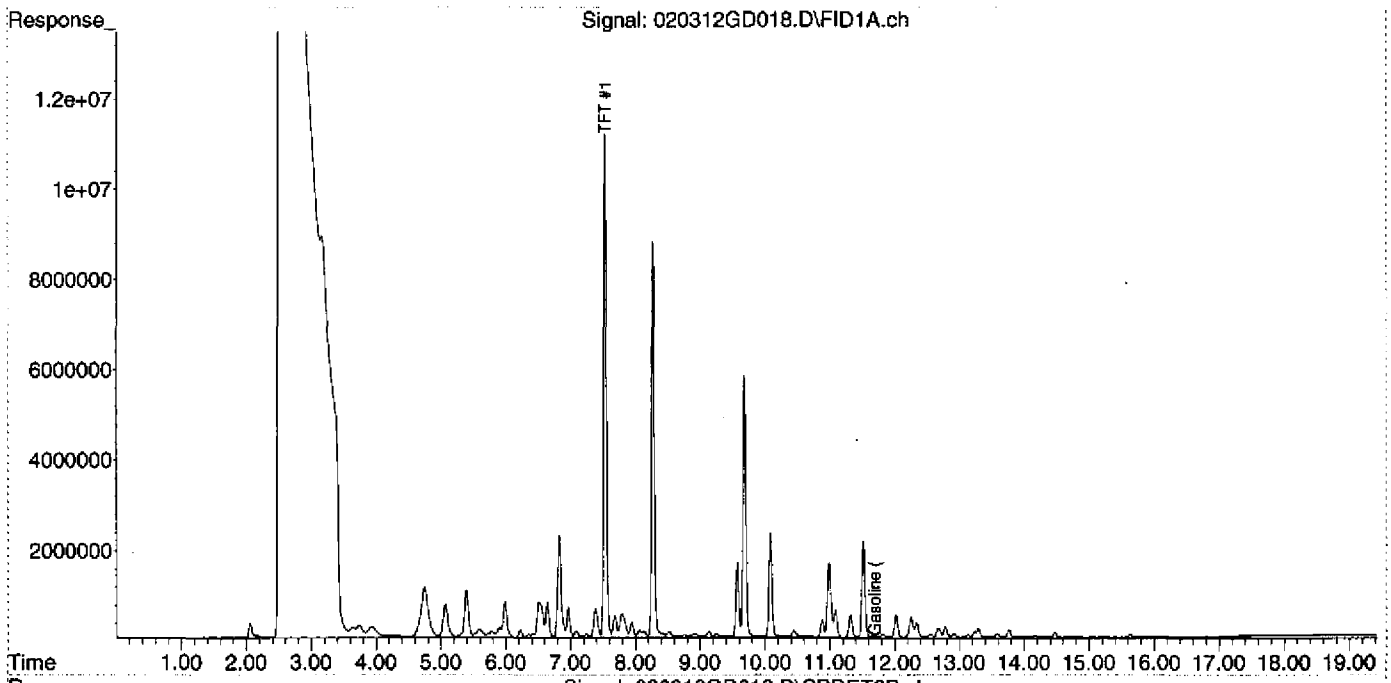
(f)=RT Delta > 1/2 Window (m)=manual int.

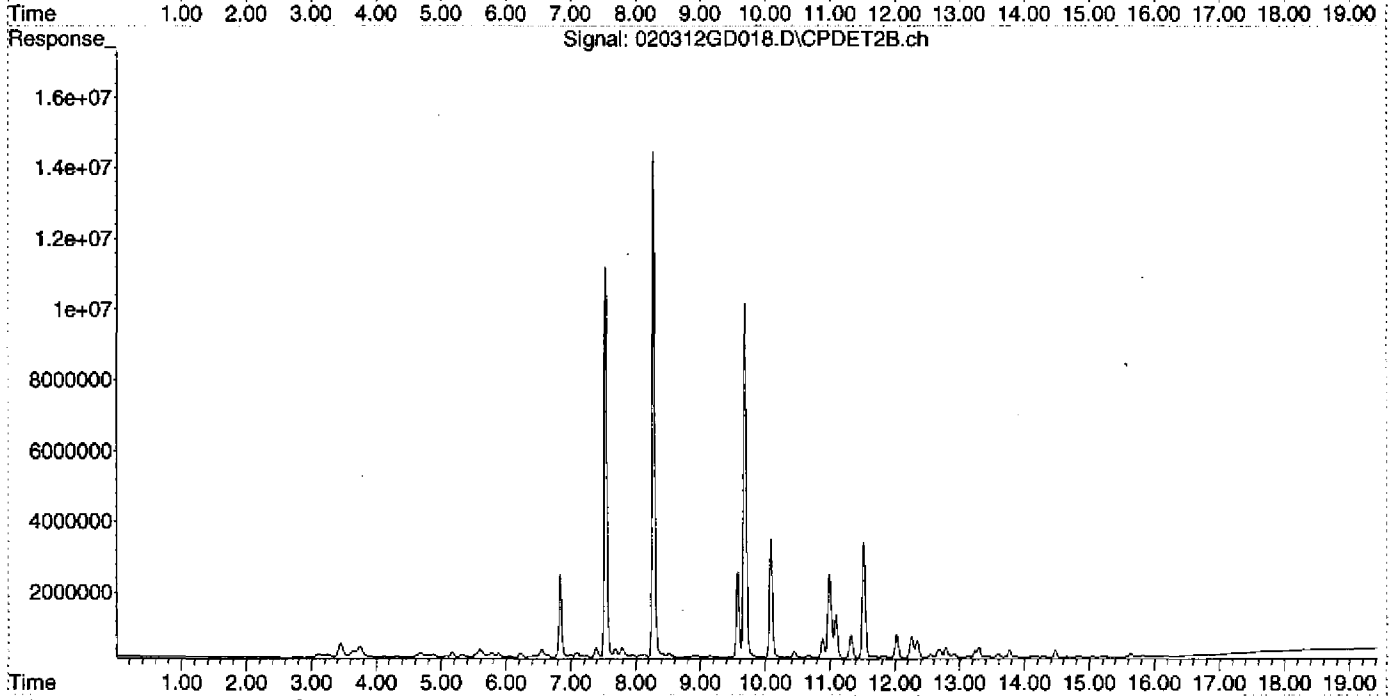
Quantitation Report (Not Reviewed)

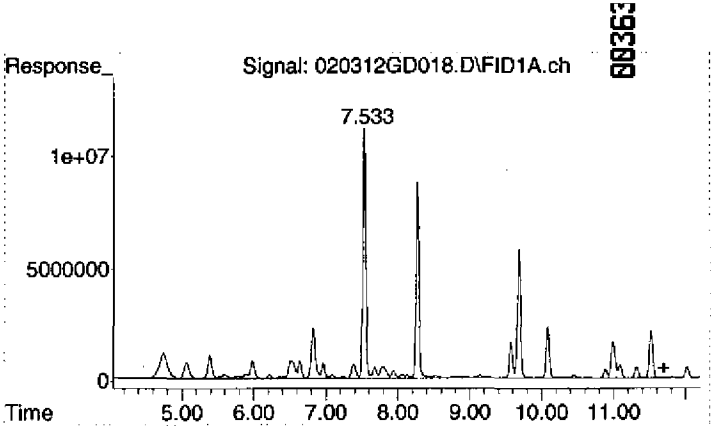
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 8:52 pm
Operator : YNB
Sample : B2B0016-MSD1
Misc : HW34a-P,I, WATER SPIKE
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:51 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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1295761902
Conc: 581.98 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 9:21 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:56 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	7.534	301987364	125.617 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.49%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

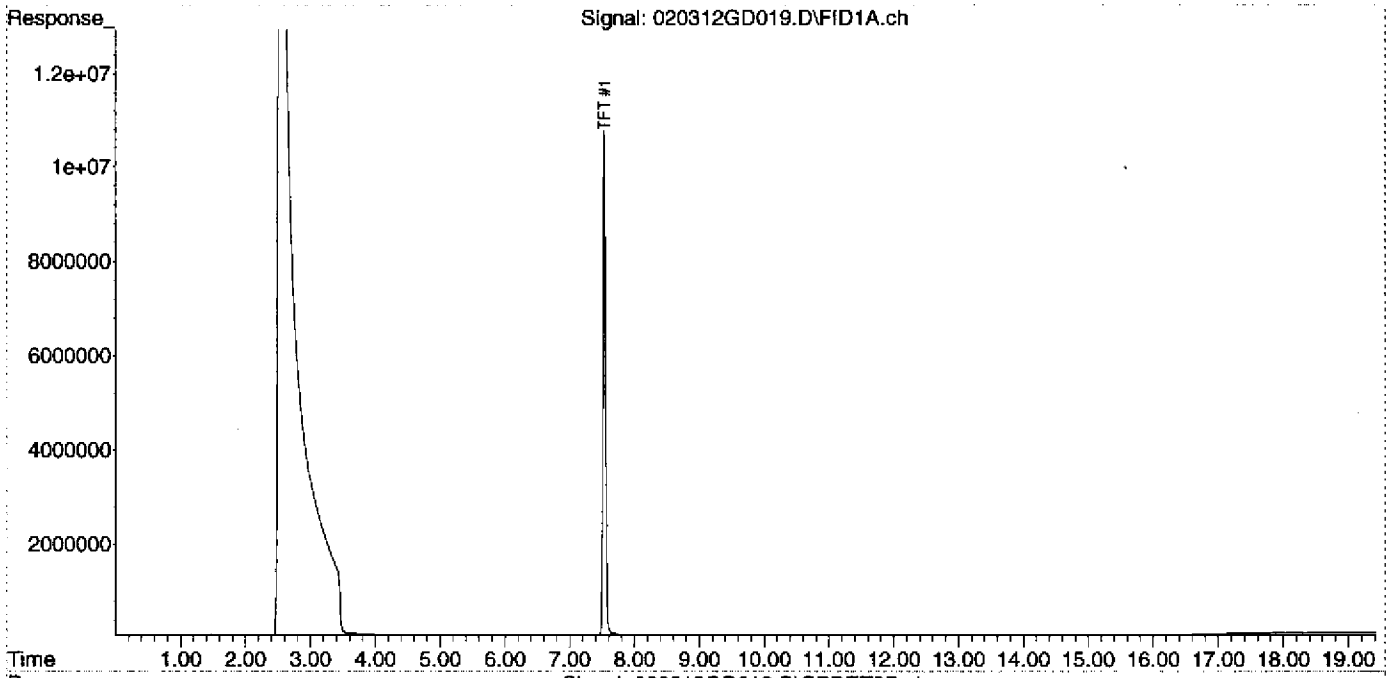
(f)=RT Delta > 1/2 Window (m)=manual int.

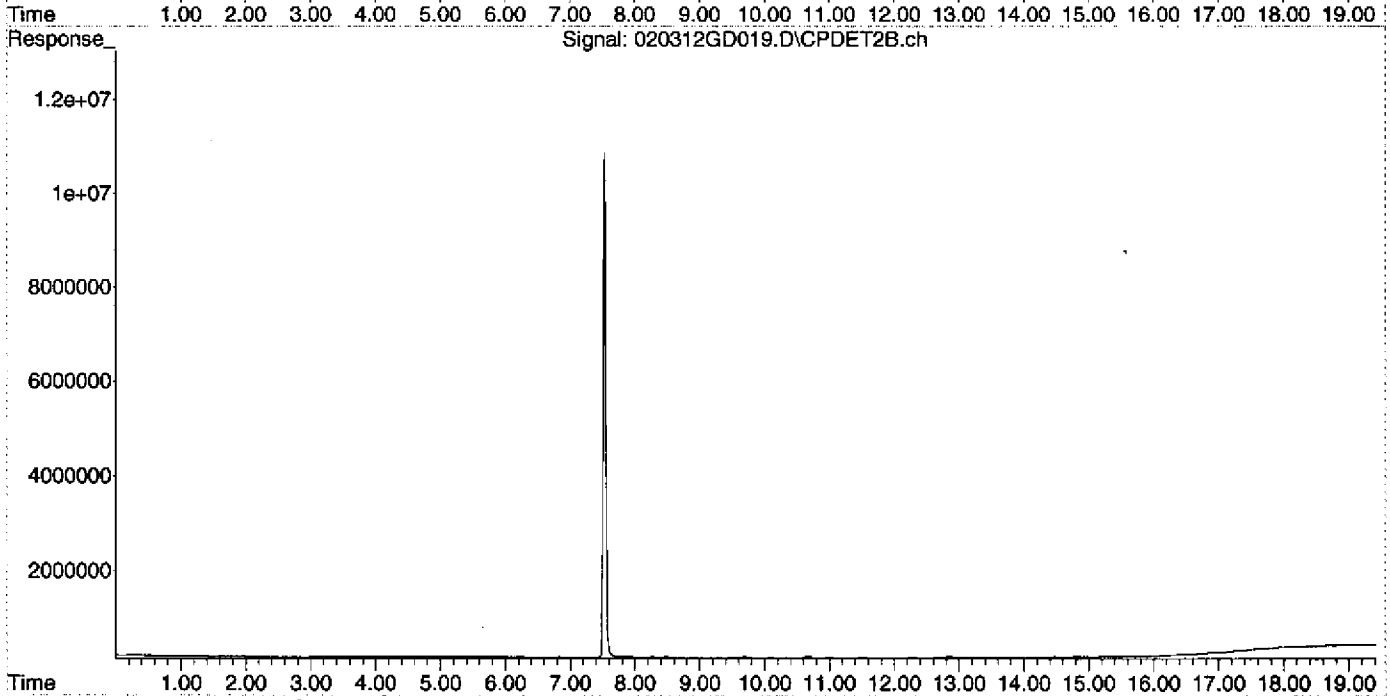
Quantitation Report (Not Reviewed)

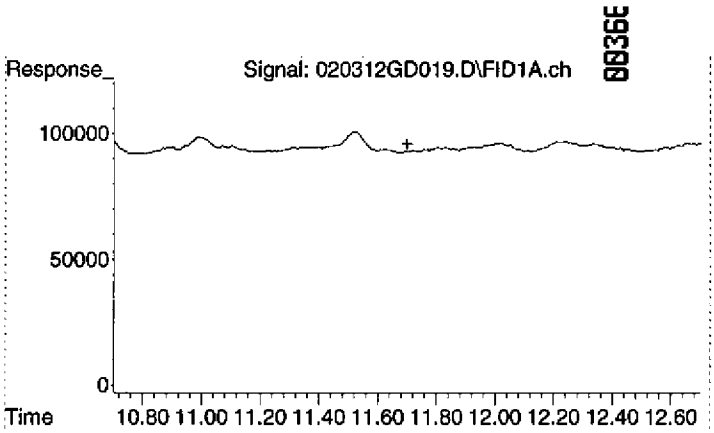
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 9:21 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:17:56 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:	0
Conc:	N.D.

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 9:49 pm
Operator : YNB
Sample : 2020012-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:18:01 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	2.217 E6	0.4	95	0.00
2 S TFT #1	2.404	2.483 E6	-3.3	104	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\020312DGAS\
Data File : 020312GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 9:49 pm
Operator : YNB
Sample : 2020012-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:18:01 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	7.534	310397762	129.116 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 103.29%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1108685944	497.956 ug/L

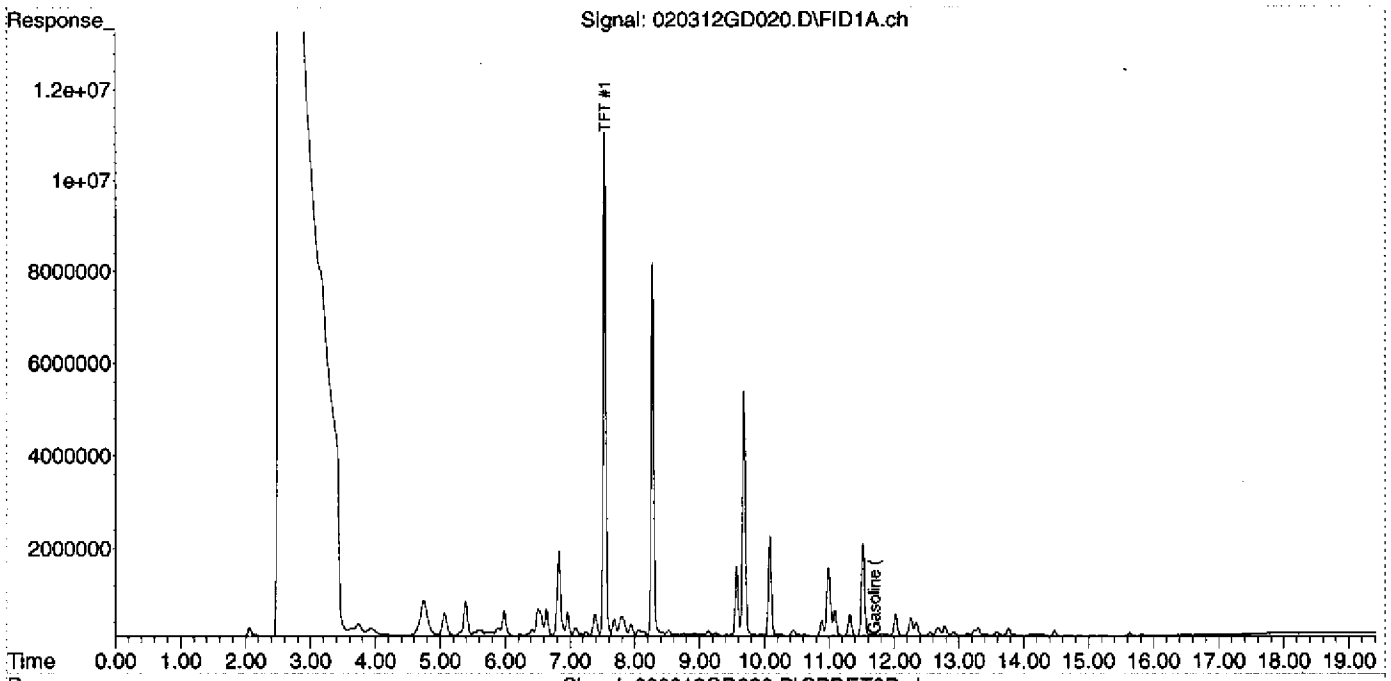
(f)=RT Delta > 1/2 Window (m)=manual int.

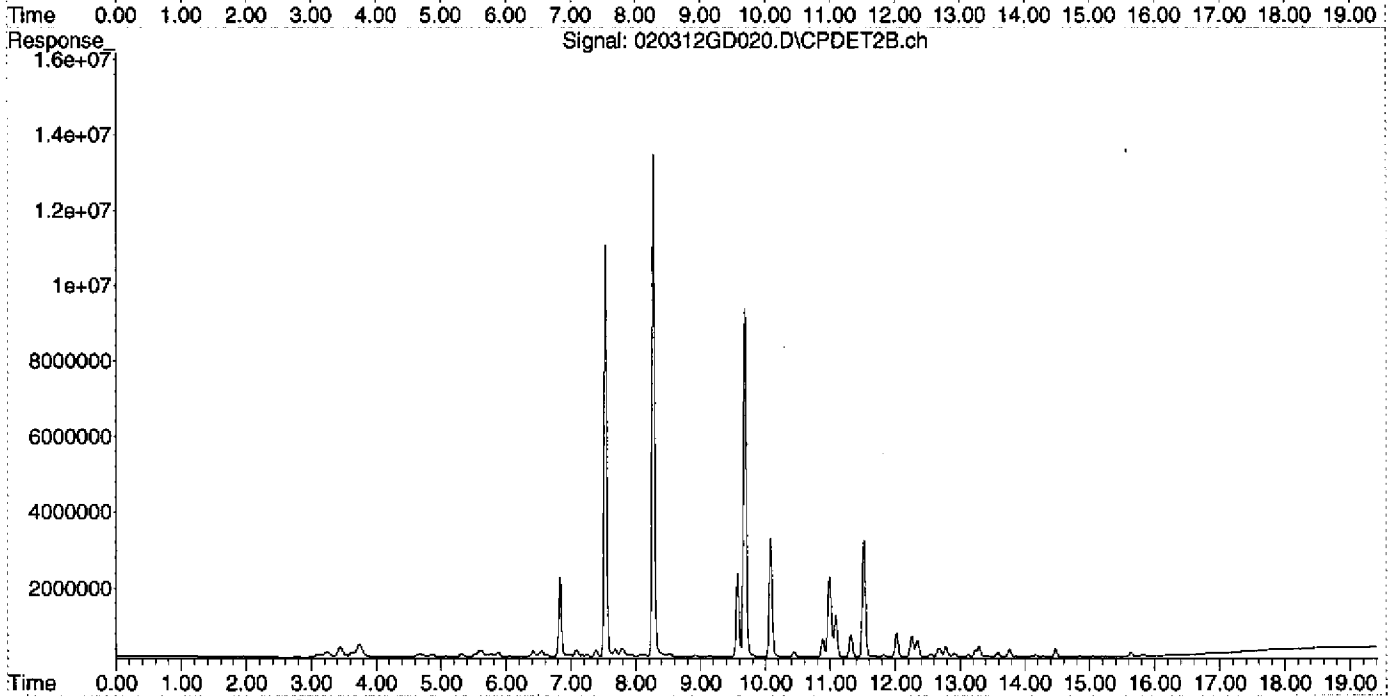
Quantitation Report (Not Reviewed)

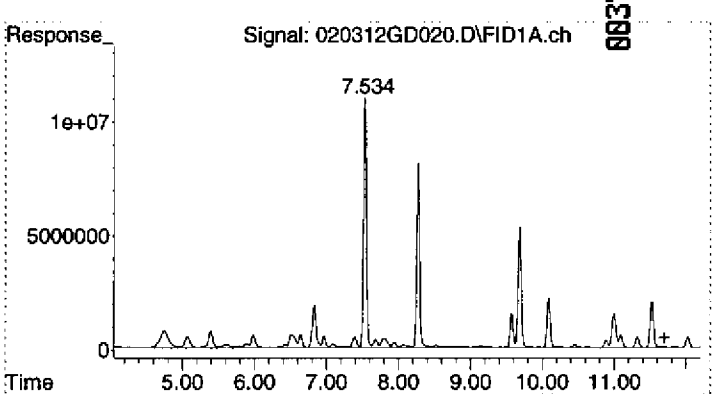
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 9:49 pm
Operator : YNB
Sample : 2020012-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:18:01 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: 1108685944
Conc: 497.96 ug/L

Quantitation Report (Not Reviewed)

00371

Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 10:18 pm
Operator : YNB
Sample : 2020012-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:18:06 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	312641877	130.049 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.04%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1122633931	504.221 ug/L

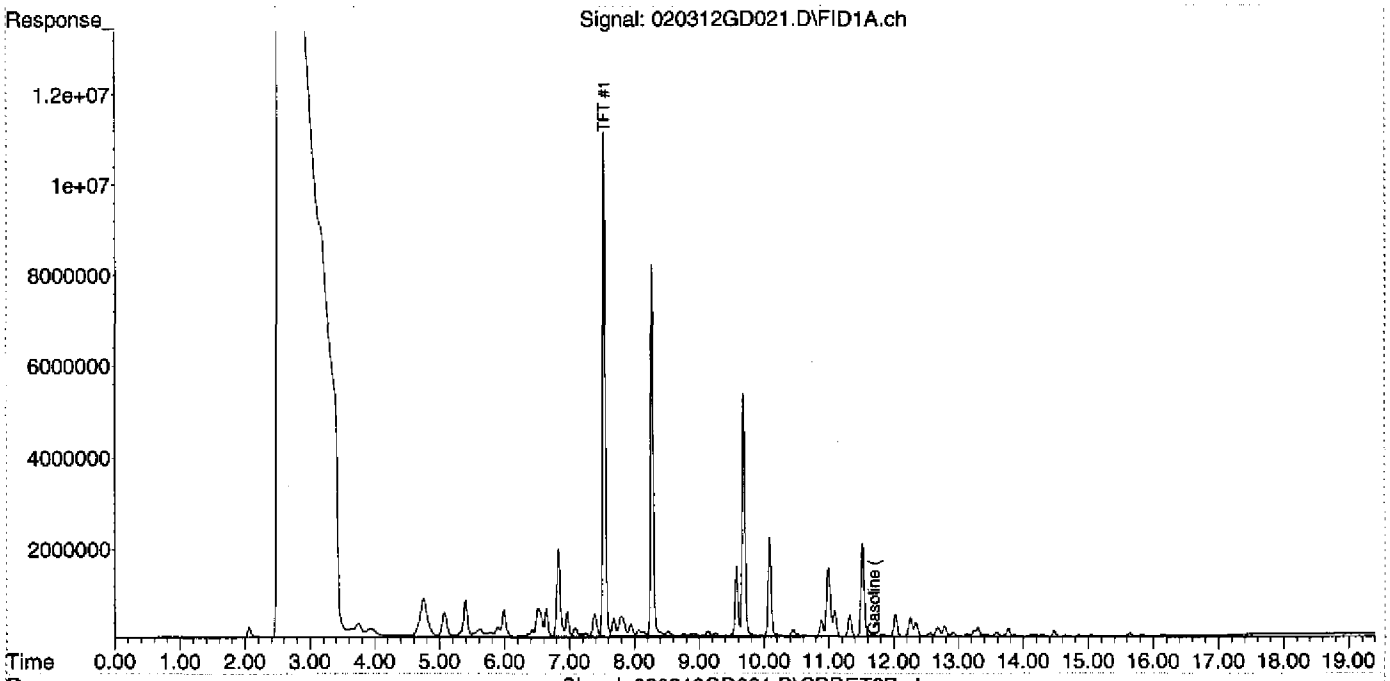
(f)=RT Delta > 1/2 Window (m)=manual int.

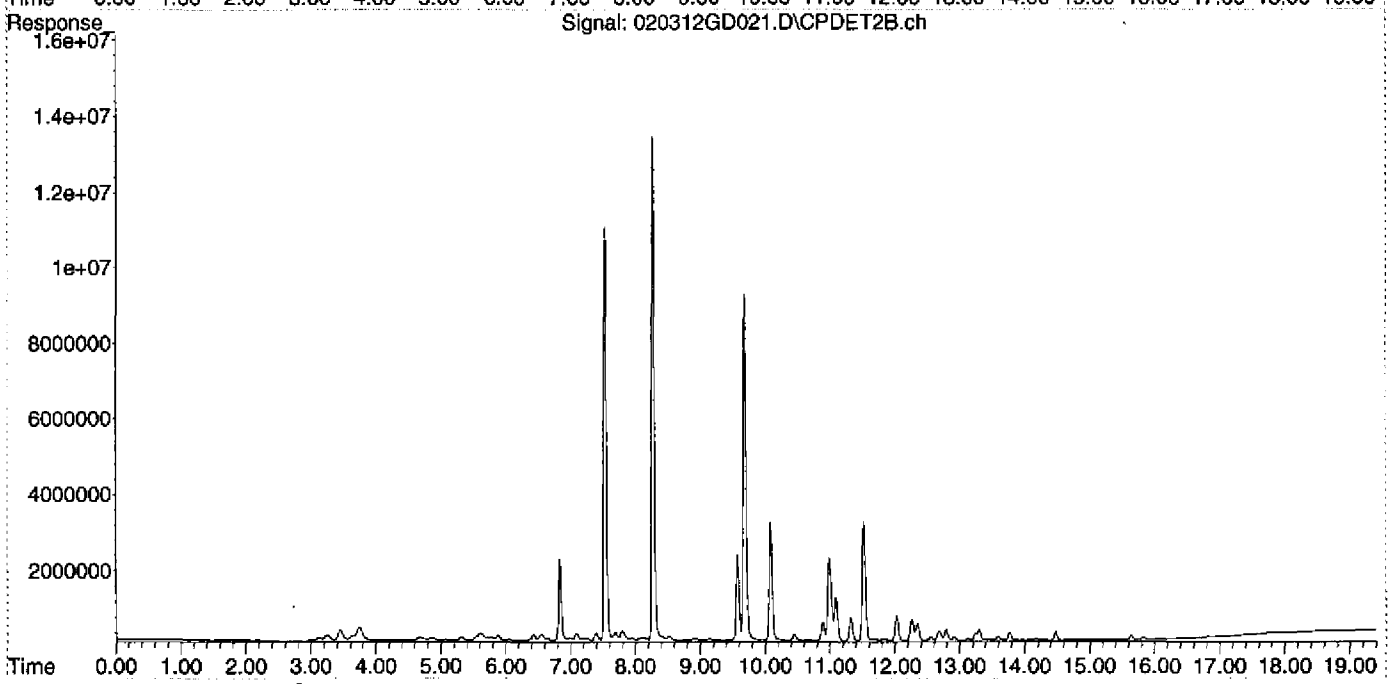
Quantitation Report (Not Reviewed)

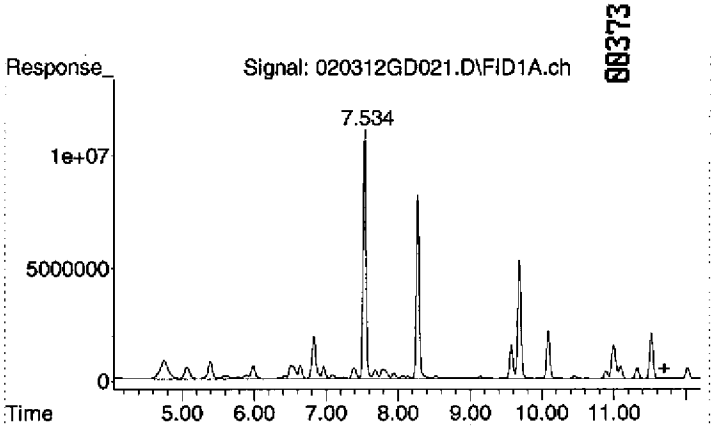
Data Path : D:\MSDCHEM\2012\data\020312DGAS\
Data File : 020312GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 3 Feb 2012 10:18 pm
Operator : YNB
Sample : 2020012-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 08:18:06 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 #1 Info : FID
Signal #2 Phase: DB-624 75m
Signal #2 Info : PID







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1122633931
Conc: 504.22 ug/L

00374

STANDARDS RECORDS

Analytical Standard Record

EPA Region 9 Laboratory

0C16025

Description:	GAS:Unleaded Gasoline Composite S	**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

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

00385

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

00158

DIM0278615

DIM0278450

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)
1123006	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)
1123008	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)
1I23012	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

00394

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