TPH-Purgeable analysis results for Dimock Residential Groundwater SDG 12044A

Jack Berges to: Robin Costas, caporale.cynthia, Stevie Wilding 02/21/2012 04:36 PM
Cc: Richard Bauer

From: Jack Berges/R9/USEPA/US
To: Robin Costas/ESC/R3/USEPA/US@EPA, caporale.cynthia@epa.gov, Stevie Wilding/ESC/R3/USEPA/US
Cc: Richard Bauer/R9/USEPA/US@EPA

TPH-Purgeable analysis results for Dimock Residential Groundwater SDG 12044A, project R33911, are attached.

12044a_tph_purgeable.pdf 12044a_tph_purgeable.xls 12044a_tph_purgeable.XML

Jack Berges
Chemist, US EPA Region 9 Laboratory
1337 S. 46th St, Bldg 201
Richmond, CA 94804
510-412-2332 fax: 510-412-2302
email: berges.jack@epa.gov

United States Environmental Protection Agency
Region 9 Laboratory

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

Date: **2/21/2012**

Subject: **Analytical Testing Results - Project R33911**
SDG: 12044A

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

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:** 12044A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/21/12 16:23
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW49	1202034-01	Water	02/09/12 14:11	02/11/12 11:15
HW49-P	1202034-02	Water	02/09/12 14:26	02/11/12 11:15
TB35	1202034-03	Water	02/09/12 10:00	02/11/12 11:15
FB14	1202034-04	Water	02/09/12 13:36	02/11/12 11:15
HW44	1202034-05	Water	02/09/12 14:49	02/11/12 11:15
TB36	1202034-06	Water	02/09/12 10:10	02/11/12 11:15
FB15	1202034-07	Water	02/10/12 11:21	02/11/12 11:15
HW36n	1202034-08	Water	02/10/12 10:53	02/11/12 11:15
HW36n-P	1202034-09	Water	02/10/12 11:02	02/11/12 11:15
TB37	1202034-10	Water	02/10/12 07:15	02/11/12 11:15
HW16	1202034-11	Water	02/10/12 11:21	02/11/12 11:15
HW16-P	1202034-12	Water	02/10/12 11:37	02/11/12 11:15
HW16z	1202034-13	Water	02/10/12 11:22	02/11/12 11:15
TB38	1202034-14	Water	02/10/12 07:20	02/11/12 11:15
HW54	1202034-15	Water	02/10/12 14:08	02/11/12 11:15
HW54-P	1202034-16	Water	02/10/12 14:30	02/11/12 11:15
TB39	1202034-17	Water	02/10/12 10:00	02/11/12 11:15

SDG ID 12044A

Work Order(s)

1202034

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:** 12044A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/21/12 16:23
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202034-01									**Water - Sampled: 02/09/12 14:11**
Sample ID: HW49									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			113 %	*76-121%*		"	"	"	
Lab ID: 1202034-02									**Water - Sampled: 02/09/12 14:26**
Sample ID: HW49-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			114 %	*76-121%*		"	"	"	
Lab ID: 1202034-03									**Water - Sampled: 02/09/12 10:00**
Sample ID: TB35									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			112 %	*76-121%*		"	"	"	
Lab ID: 1202034-04									**Water - Sampled: 02/09/12 13:36**
Sample ID: FB14									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			112 %	*76-121%*		"	"	"	
Lab ID: 1202034-05									**Water - Sampled: 02/09/12 14:49**
Sample ID: HW44									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	J, Q6, U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			114 %	*76-121%*		"	"	"	
Lab ID: 1202034-06									**Water - Sampled: 02/09/12 10:10**
Sample ID: TB36									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			116 %	*76-121%*		"	"	"	
Lab ID: 1202034-07									**Water - Sampled: 02/10/12 11:21**
Sample ID: FB15									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			110 %	*76-121%*		"	"	"	
Lab ID: 1202034-08									**Water - Sampled: 02/10/12 10:53**
Sample ID: HW36n									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			114 %	*76-121%*		"	"	"	
Lab ID: 1202034-09									**Water - Sampled: 02/10/12 11:02**
Sample ID: HW36n-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	J, Q6, U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380

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Project Manager: Richard Fetzer	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12044A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/21/12 16:23
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202034-09									**Water - Sampled: 02/10/12 11:02**
Sample ID: HW36n-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
Surrogate: a,a,a-Trifluorotoluene			113 %	*76-121%*		*B2B0056*	*02/13/12*	*02/13/12*	
Lab ID: 1202034-10									**Water - Sampled: 02/10/12 07:15**
Sample ID: TB37									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			107 %	*76-121%*		"	"	"	
Lab ID: 1202034-11									**Water - Sampled: 02/10/12 11:21**
Sample ID: HW16									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			109 %	*76-121%*		"	"	"	
Lab ID: 1202034-12									**Water - Sampled: 02/10/12 11:37**
Sample ID: HW16-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			110 %	*76-121%*		"	"	"	
Lab ID: 1202034-13									**Water - Sampled: 02/10/12 11:22**
Sample ID: HW16z									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			108 %	*76-121%*		"	"	"	
Lab ID: 1202034-14									**Water - Sampled: 02/10/12 07:20**
Sample ID: TB38									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			113 %	*76-121%*		"	"	"	
Lab ID: 1202034-15									**Water - Sampled: 02/10/12 14:08**
Sample ID: HW54									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			113 %	*76-121%*		"	"	"	
Lab ID: 1202034-16									**Water - Sampled: 02/10/12 14:30**
Sample ID: HW54-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			113 %	*76-121%*		"	"	"	
Lab ID: 1202034-17									**Water - Sampled: 02/10/12 10:00**
Sample ID: TB39									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0056	02/13/12	02/13/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			112 %	*76-121%*		"	"	"	

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Project Manager: Richard Fetzer	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12044A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/21/12 16:23
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0056 - 5030 P&T TPH-G - TPH - Purgeable										**Prepared & Analyzed: 02/13/12**
								Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control		
Blank (B2B0056-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*140*			"	*125*		112	*76-121*		
LCS (B2B0056-BS1)										
TPH as Gasoline	519		50	ug/L	500		104	75-114		
Surrogate: a,a,a-Trifluorotoluene	*147*			"	*125*		118	*76-121*		
Matrix Spike (B2B0056-MS1)		**Source: 1202034-05**								
TPH as Gasoline	530		50	ug/L	500	ND	106	71-114		11
Surrogate: a,a,a-Trifluorotoluene	*145*			"	*125*		116	*76-121*		
Matrix Spike (B2B0056-MS2)		**Source: 1202034-09**								
TPH as Gasoline	440		50	ug/L	500	ND	88	71-114		11
Surrogate: a,a,a-Trifluorotoluene	*136*			"	*125*		109	*76-121*		
Matrix Spike Dup (B2B0056-MSD1)		**Source: 1202034-05**								
TPH as Gasoline	470		50	ug/L	500	ND	94	71-114	**12**	11
Surrogate: a,a,a-Trifluorotoluene	*143*			"	*125*		115	*76-121*		
Matrix Spike Dup (B2B0056-MSD2)		**Source: 1202034-09**								
TPH as Gasoline	540		50	ug/L	500	ND	108	71-114	**20**	11
Surrogate: a,a,a-Trifluorotoluene	*139*			"	*125*		111	*76-121*		

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Project Manager: Richard Fetzer	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12044A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/21/12 16:23
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Qualifiers and Comments

Q6 Matrix spike/matrix spike duplicate precision criteria were not met 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.

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 20, 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 17 water samples for the Dimock Residential Groundwater Site project, Case R33911, SDG 12044A, Work Order 1202034 for purgeable TPH following EPA Region 9 Laboratory SOP 380 based on method SW5030B, SW5035, and SW8015C. The draft analytical report and raw data package are attached.

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

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EPA Region 9 Laboratory

DATA PACKAGE

Analysis:	**TPH-gas**
Project Number:	**R33911**
SDG Number:	**12044A**
Work Order:	**1202034**
ESAT DCN:	**14530**

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: 12044A

Analysis: purgeable TPH Number of Pages: 211

Reviewer: JACK BERGES

- 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: MS/MSD RPD OUT - SAMPLES FLAGGED, ALL ND BAB 2/21/12

Reviewer Signature [signature] Date 2/21/12

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ESAT Region 9 | **ICF International**
Case: R33911 | **Analysis:** TPH-gas | **TDF:** 01001084 | **Matrix:** water
DCN: 14530 | **Site:** Dimock Residential Groundwater Site | **SDG:** 12044A

ESAT REGION 9 DATA PACKAGE TECHNICAL REVIEW GUIDE

Reviewer:	Package Prep (P): JMB	Technical (T):	Final (F):
	Date: 02.20.12	Date: 2/22/12	Date: 2-21-12

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: 14530 **Site:** Dimock Residential Groundwater Site **SDG:** 12044A

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

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

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

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

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

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

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

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

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

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

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Organics Daily Folder Preparation/Technical Review Guide

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

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

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

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

Non-conformance Report

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

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Organics Daily Folder Preparation/Technical Review Guide

Analysis Method	**TPH GAS**	**Analyst Initial**	YNB	**Reviewer Initial**	[illegible]	**Batch/ Sequence**	B2B0056/2020045
Instrument ID	**AG 5975 D**	**Date Analyzed**	02.13.12	**Date**	2/14/12	**Chemstation Last Update**	Wed Jan 25 10:49:01 2012
Cases	**R33911**			**SDGs**	**12044A**		

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	12%	≤ 11%					RPD for QC
	MS2 / MSD2	14%	≤ 11%					↓ ↓
	↓	20%	↓					

G:\USER\ESAT\1 Organic Group\daily review GAS D.doc

00007

USEPA Region 9 Laboratory
Organic Analysis Summary

Case: R33911
SDG: 12044A
Analysis: TPH GRO

YNB

Sample ID	Sample Runs	
[redacted]	AG5975D	INSTRUMENT
[redacted]	2/13/2012	
[redacted]	2020045	
1202034-01	RPT	
1202034-02	RPT	
1202034-03	RPT	
1202034-04	RPT	
1202034-05	RPT	
B2B0056-MS1	RPT	
B2B0056-MSD1	RPT	
1202034-06	RPT	
1202034-07	RPT	
1202034-08	RPT	
1202034-09	RPT	
B2B0056-MS2	RPT	
B2B0056-MSD2	RPT	
1202034-10	RPT	
1202034-11	RPT	
1202034-12	RPT	
1202034-13	RPT	
1202034-14	RPT	
1202034-15	RPT	
1202034-16	RPT	
1202034-17	RPT	
	RPT B2B0056-BLK1	
	RPT B2B0056-BS1	

Definitions

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

SAMPLE TRACKING FORMS

WORK ORDER

Printed: 2/13/2012 9:30:56AM

1202034

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	Cooler	3	Yes	Yes	Yes	No	Yes	798045440421
2Cooler	Cooler	3	Yes	Yes	Yes	No	Yes	793214705216
3Cooler	Cooler	2	Yes	Yes	Yes	No	Yes	793217421577
4Cooler	Cooler	5	Yes	Yes	Yes	No	Yes	793217112254
5Cooler	Cooler	3	Yes	Yes	Yes	No	Yes	798048735923

Date Due:	03/04/12 15:00 (21 day TAT)	SDG:	12044A
Received By:	Jack Berges	Date Received:	02/11/12 11:15
Logged In By:	Richard Bauer	Date Logged In:	02/13/12 08:25

Analysis	Hold Time Expires	Comments
1202034-01 HW49 [Water] Sampled 02/09/12 14:11 Pacific		
TPH - Purgeable	02/23/12	
Dissolved HC Gases	02/23/12	5 day prelim results
TPH - Extractable	02/16/12	
1202034-02 HW49-P [Water] Sampled 02/09/12 14:26 Pacific		
TPH - Purgeable	02/23/12	
Dissolved HC Gases	02/23/12	5 day prelim results
TPH - Extractable	02/16/12	
1202034-03 TB35 [Water] Sampled 02/09/12 10:00 Pacific		
Dissolved HC Gases	02/23/12	5 day prelim results
TPH - Purgeable	02/23/12	
1202034-04 FB14 [Water] Sampled 02/09/12 13:36 Pacific		
TPH - Extractable	02/16/12	
TPH - Purgeable	02/23/12	
Dissolved HC Gases	02/23/12	5 day prelim results

1202034

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
1202034-05 HW44 [Water] Sampled 02/09/12 14:49 Pacific		**Lab QC Sample**
Dissolved HC Gases	02/23/12	5 day prelim results
TPH - Extractable	02/16/12	
TPH - Purgeable	02/23/12	
1202034-06 TB36 [Water] Sampled 02/09/12 10:10 Pacific		
Dissolved HC Gases	02/23/12	5 day prelim results
TPH - Purgeable	02/23/12	
1202034-07 FB15 [Water] Sampled 02/10/12 11:21 Pacific		
TPH - Extractable	02/17/12	
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	
1202034-08 HW36n [Water] Sampled 02/10/12 10:53 Pacific		
TPH - Extractable	02/17/12	
TPH - Purgeable	02/24/12	
Dissolved HC Gases	02/24/12	5 day prelim results
1202034-09 HW36n-P [Water] Sampled 02/10/12 11:02 Pacific		**Lab QC sample for RSK and TPH-gas**
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Extractable	02/17/12	
TPH - Purgeable	02/24/12	
1202034-10 TB37 [Water] Sampled 02/10/12 07:15 Pacific		
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	
1202034-11 HW16 [Water] Sampled 02/10/12 11:21 Pacific		
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	
TPH - Extractable	02/17/12	
1202034-12 HW16-P [Water] Sampled 02/10/12 11:37 Pacific		
TPH - Extractable	02/17/12	
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	

1202034

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
1202034-13 HW16z [Water] Sampled 02/10/12 11:22 Pacific		
TPH - Purgeable	02/24/12	
TPH - Extractable	02/17/12	
Dissolved HC Gases	02/24/12	5 day prelim results
1202034-14 TB38 [Water] Sampled 02/10/12 07:20 Pacific		
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	
1202034-15 HW54 [Water] Sampled 02/10/12 14:08 Pacific		**Both RSK vials rcvd brokn, use one of TPH-G vials**
TPH - Extractable	02/17/12	
Dissolved HC Gases	02/24/12	5 day prelim results
TPH - Purgeable	02/24/12	
1202034-16 HW54-P [Water] Sampled 02/10/12 14:30 Pacific		
TPH - Purgeable	02/24/12	
TPH - Extractable	02/17/12	
Dissolved HC Gases	02/24/12	5 day prelim results
1202034-17 TB39 [Water] Sampled 02/10/12 10:00 Pacific		
TPH - Purgeable	02/24/12	
Dissolved HC Gases	02/24/12	5 day prelim results

Reviewed By _____ Date _____

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7980 4544 0421

CHAIN OF CUSTODY RECORD

Case #: CT5665

No: 3-021012-100902-0185

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
HW49	Drinking Water/ David Johnson	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4714 (HCl / 40mlGlassVial), 4715 (HCl / 40mlGlassVial), 4732 (-NA- / 1000mlAmber), 4733 (-NA- / 1000mlAmber), 4736 (HCl / 40mlGlassVial), 4737 (HCl / 40mlGlassVial) (6)	HW49	02/09/2012 14:11	
HW49-P	Drinking Water/ Francisco Laposiol	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4748 (HCl / 40mlGlassVial), 4749 (HCl / 40mlGlassVial), 4758 (-NA- / 1000mlAmber), 4759 (-NA- / 1000mlAmber), 4762 (HCl / 40mlGlassVial), 4763 (HCl / 40mlGlassVial) (6)	HW49-P	02/09/2012 14:26	
TB35	Aqueous/ Christina Rice	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	4569 (HCl / 40mlGlassVial), 4570 (HCl / 40mlGlassVial), 4571 (HCl / 40mlGlassVial), 4572 (HCl / 40mlGlassVial) (4)	TB35	02/09/2012 10:00	

Special Instructions: COOLER @ 3°C, SEALS INTACT, ON ICE [illegible] 2/11/12

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
116	[illegible]	02/10/12	[illegible] RALOS	2/11/12	11:15						

COOLER #1

000013

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1470 5216

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-021012-094326-0182
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
FB14	Aqueous/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4774 (HCl / 40mlGlassVial), 4775 (HCl / 40mlGlassVial), 4792 (-NA- / 1000mlAmber), 4793 (-NA- / 1000mlAmber), 4796 (HCl / 40mlGlassVial), 4797 (HCl / 40mlGlassVial) (6)	FB14	02/09/2012 13:36	

Sample(s) to be used for Lab QC: HW44

COOLER @ 3°C, SEALS INTACT, ON ICE
LAB 2/11/12

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
6	[signature]	02/10/12	[signature] R9 LAB	2/11/12	11:15						

COOLER #2

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1470 5216

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-021012-094326-0182
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
HW44	Drinking Water/ Bryan Bema	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7), RSK-175(7), RSK-175(7), RSK-175(7), RSK-175(7), GRO(7), GRO(7), GRO(7), GRO(7), DRO(7), DRO(7), DRO(7), DRO(7)	4808 (HCl / 40mlGlassVial), 4809 (HCl / 40mlGlassVial), 4826 (-NA- / 1000mlAmber), 4827 (-NA- / 1000mlAmber), 4830 (HCl / 40mlGlassVial), 4831 (HCl / 40mlGlassVial), 4835 (HCl / 40mlGlassVial), 4836 (HCl / 40mlGlassVial), 4837 (HCl / 40mlGlassVial), 4838 (HCl / 40mlGlassVial), 4839 (HCl / 40mlGlassVial), 4840 (HCl / 40mlGlassVial), 4841 (HCl / 40mlGlassVial), 4842 (HCl / 40mlGlassVial), 4847 (-NA- / 1000mlAmber), 4848 (-NA- / 1000mlAmber), 4849 (-NA- / 1000mlAmber), 4850 (-NA- / 1000mlAmber) (18)	HW44	02/09/2012 14:49	
TB36	Aqueous/ Christina Rice	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	4576 (HCl / 40mlGlassVial), 4577 (HCl / 40mlGlassVial), 4578 (HCl / 40mlGlassVial), 4579 (HCl / 40mlGlassVial) (4)	TB36	02/09/2012 10:10	

Sample(s) to be used for Lab QC: HW44 COOLER @ 3°C, SEALS INTACT, ON ICE [illegible] 2/11/12

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

Analysis Key: RSK-175=11-Dissolved Gases_Meth,Ethe,Ethe, 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
22	[illegible]	02/10/12	[illegible]	2/11/12	11:45						

COOLER # 2

00015

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1742 1577

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-021012-162137-0191

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
FB15	Aqueous/ Jason Lord	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	5053 (HCl / 40mlGlassVial), 5054 (HCl / 40mlGlassVial), 5071 (-NA- / 1000mlAmber), 5072 (-NA- / 1000mlAmber), 5075 (HCl / 40mlGlassVial), 5076 (HCl / 40mlGlassVial) (6)	FB15	02/10/2012 11:21	
HW36n	Drinking Water/ David Johnson	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4885 (HCl / 40mlGlassVial), 4886 (HCl / 40mlGlassVial), 4903 (-NA- / 1000mlAmber), 4904 (-NA- / 1000mlAmber), 4907 (HCl / 40mlGlassVial), 4908 (HCl / 40mlGlassVial) (6)	HW36n	02/10/2012 10:53	

Sample(s) to be used for Lab QC: HW36n-P

COOLER @ 2°C, SEALS INTACT, ON ICE RAB 2/11/12

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
12	[signature]	02/10/12	[signature] R9 LAB	2/11/12 RAB	11:15						

COOLER #3

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1742 1577

CHAIN OF CUSTODY RECORD

Case #: CTS865

No: 3-021012-162137-0191
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
HW36n-P	Drinking Water/ Francisco Lapostol	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7), RSK-175(7), RSK-175(7), RSK-175(7), RSK-175(7), GRO(7), GRO(7), GRO(7), GRO(7)	4919 (HCl / 40mlGlassVial), 4920 (HCl / 40mlGlassVial), 4929 (-NA- / 1000mlAmber), 4930 (-NA- / 1000mlAmber), 4933 (HCl / 40mlGlassVial), 4934 (HCl / 40mlGlassVial), 4945 (HCl / 40mlGlassVial), 4946 (HCl / 40mlGlassVial), 4947 (HCl / 40mlGlassVial), 4948 (HCl / 40mlGlassVial), 4949 (HCl / 40mlGlassVial), 4950 (HCl / 40mlGlassVial), 4951 (HCl / 40mlGlassVial), 4952 (HCl / 40mlGlassVial) (14)	HW36n-P	02/10/2012 11:02	
TB37	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	4861 (HCl / 40mlGlassVial), 4862 (HCl / 40mlGlassVial), 4863 (HCl / 40mlGlassVial), 4864 (HCl / 40mlGlassVial) (4)	TB37	02/10/2012 07:15	

COOLER @ 2°C, SEALS INTACT, ON ICE LAB 2/11

Sample(s) to be used for Lab QC: HW36n-P

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]	02/10/12	[signature]	2/11/12	11:15						

COOLER #3

000017

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1711 2254

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-021012-162735-0192
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
HW16	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4959 (HCl / 40mlGlassVial), 4960 (HCl / 40mlGlassVial), 4977 (-NA- / 1000mlAmber), 4978 (-NA- / 1000mlAmber), 4981 (HCl / 40mlGlassVial), 4982 (HCl / 40mlGlassVial) (6)	HW16	02/10/2012 11:21	
HW16-P	Drinking Water/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	5027 (HCl / 40mlGlassVial), 5028 (HCl / 40mlGlassVial), 5037 (-NA- / 1000mlAmber), 5038 (-NA- / 1000mlAmber), 5041 (HCl / 40mlGlassVial), 5042 (HCl / 40mlGlassVial) (6)	HW16-P	02/10/2012 11:37	
HW16z	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	4993 (HCl / 40mlGlassVial), 4994 (HCl / 40mlGlassVial), 5011 (-NA- / 1000mlAmber), 5012 (-NA- / 1000mlAmber), 5015 (HCl / 40mlGlassVial), 5016 (HCl / 40mlGlassVial) (6)	HW16	02/10/2012 11:22	

Special Instructions: COOLER @ 5°C, SEALS INTACT, ON ICE LAB 2/11/12

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]	02/10/12	[signature] RPL Lab	2/11/12	11:15						

COOLER #4

00018

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7932 1711 2254

CHAIN OF CUSTODY RECORD

Case #: CT5665

No: 3-021012-162735-0192
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2369

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
TB38	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	4868 (HCl / 40mlGlassVial), 4869 (HCl / 40mlGlassVial), 4870 (HCl / 40mlGlassVial), 4871 (HCl / 40mlGlassVial) (4)	TB38	02/10/2012 07:20	

Special Instructions: COOLER @ 5°C, SEALS INTACT, ON ICE RAB 2/11/12

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]	02/10/12 ~~02/12~~ 02/10/12	[signature] RALDS	2/11/12	1185						

COOLER #4

00015

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2012
CarrierName: FedEx
AirbillNo: 7960 4873 5823

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-021012-165431-0198
Lab: EPA R9 Laboratory
Lab Contact:
Lab Phone: 510.412.2369

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
HW54	Drinking Water/ Tom Sedlacek	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	5087 (HCl / 40mlGlassVial), 5088 (HCl / 40mlGlassVial), 5105 (-NA- / 1000mlAmber), 5106 (-NA- / 1000mlAmber), 5109 (HCl / 40mlGlassVial), 5110 (HCl / 40mlGlassVial) (6)	HW54 Both vials	02/10/2012 14:08 received broken	2/23/12
HW54-P	Drinking Water/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	5121 (HCl / 40mlGlassVial), 5122 (HCl / 40mlGlassVial), 5131 (-NA- / 1000mlAmber), 5132 (-NA- / 1000mlAmber), 5135 (HCl / 40mlGlassVial), 5136 (HCl / 40mlGlassVial) (6)	HW54-P	02/10/2012 14:30	
TB39	Aqueous/ Christina Rios	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	4875 (HCl / 40mlGlassVial), 4876 (HCl / 40mlGlassVial), 4877 (HCl / 40mlGlassVial), 4878 (HCl / 40mlGlassVial) (4)	TB39	02/10/2012 10:00	

Special Instructions: COOLER @ 3 °C, SEALS INTACT,

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
160	[illegible]	021012	[illegible]	2/11/12	11:15						

COOLER # 5

00020

SAMPLE PREPARATION

PREPARATION BENCH SHEET

B2B0056

EPA Region 9 Laboratory

inted: 2/13/2012 10:10:13AM

Project: R33911 - Dimock Residential Groundwater

Matrix: Water **Analysis:TPH - Purgeable** **Prepared using: Extractables - 5030 P&T TPH-G** YNB 02.14.12 **Surrogate used: 2A24003**

Lab Number	SampleName	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Prepared By	pH	Extraction Comments
1202034-01 C	HW49	02/13/12 10:06	5	5				1	YNB	PULL	
1202034-02 D	HW49-P	02/13/12 10:06	5	5				1	YNB		
1202034-03 A	TB35	02/13/12 10:06	5	5				1	YNB		
1202034-04 D	FB14	02/13/12 10:06	5	5				1	YNB		
1202034-05 H	HW44	02/13/12 10:06	5	5				1	YNB		
1202034-06 A	TB36	02/13/12 10:06	5	5				1	YNB		
1202034-07 C	FB15	02/13/12 10:06	5	5				1	YNB		
1202034-08 C	HW36n	02/13/12 10:06	5	5				1	YNB		
1202034-09 C	HW36n-P	02/13/12 10:06	5	5				1	YNB		
1202034-10 A	TB37	02/13/12 10:06	5	5				1	YNB		
1202034-11 C	HW16	02/13/12 10:06	5	5				1	YNB		
1202034-12 C	HW16-P	02/13/12 10:06	5	5				1	YNB		
1202034-13 C	HW16z	02/13/12 10:06	5	5				1	YNB		
1202034-14 A	TB38	02/13/12 10:06	5	5				1	YNB		
1202034-15 C	HW54	02/13/12 10:06	5	5				1	YNB		
1202034-16 C	HW54-P	02/13/12 10:06	5	5				1	YNB		
1202034-17 A	TB39	02/13/12 10:06	5	5				1	YNB		
B2B0056-BLK1	Blank	02/13/12 10:06	5	5				1	YNB	—	
B2B0056-BS1	LCS	02/13/12 10:06	5	5	1J17001		2.5	1	YNB	—	
B2B0056-MS1	Matrix Spike	02/13/12 10:06	5	5	1J17001	1202034-05	2.5	1	YNB	L2	
B2B0056-MS2	Matrix Spike	02/13/12 10:06	5	5	1J17001	1202034-09	2.5	1	YNB		
B2B0056-MSD1	Matrix Spike Dup	02/13/12 10:06	5	5	1J17001	1202034-05	2.5	1	YNB		
B2B0056-MSD2	Matrix Spike Dup	02/13/12 10:06	5	5	1J17001	1202034-09	2.5	1	YNB		

RN 2/20/12

Preparation Reviewed By Date

Instrument: AG 5975 D

Analysis Date: 01.24.12

INITIAL CALIBRATION DATA

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

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

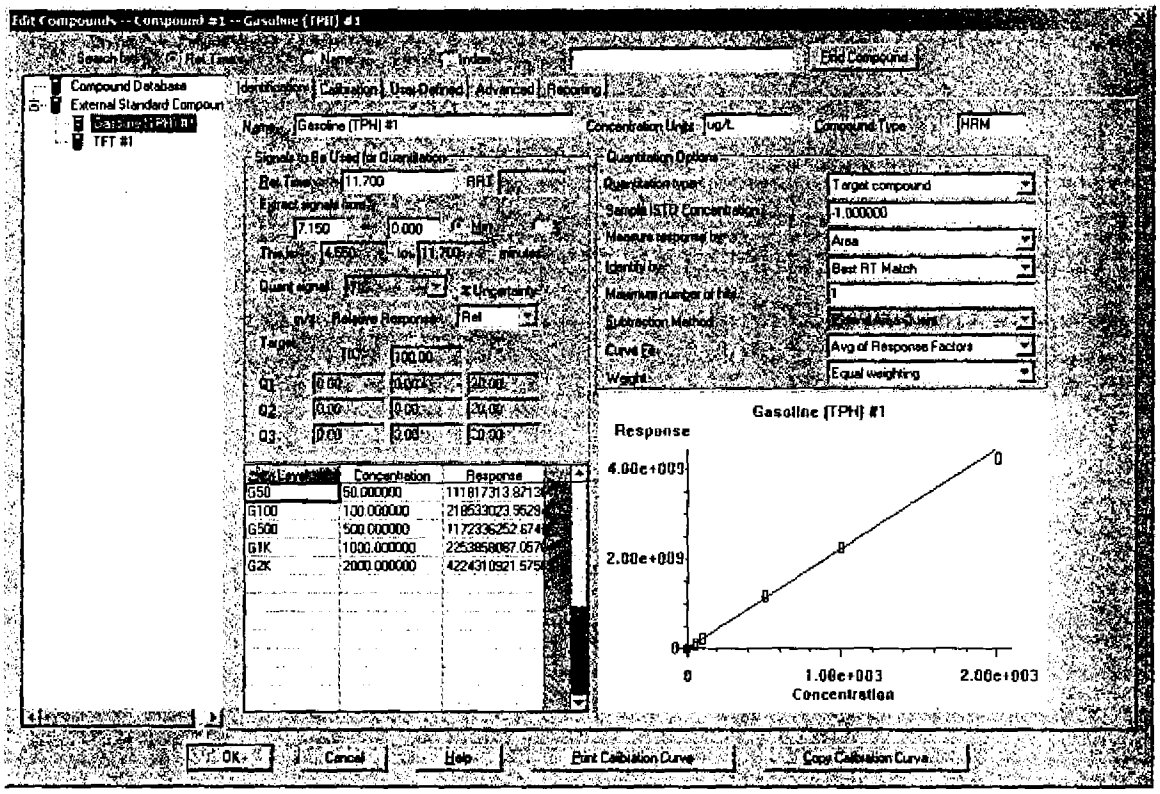
Response Factor Report GC-FID-PID

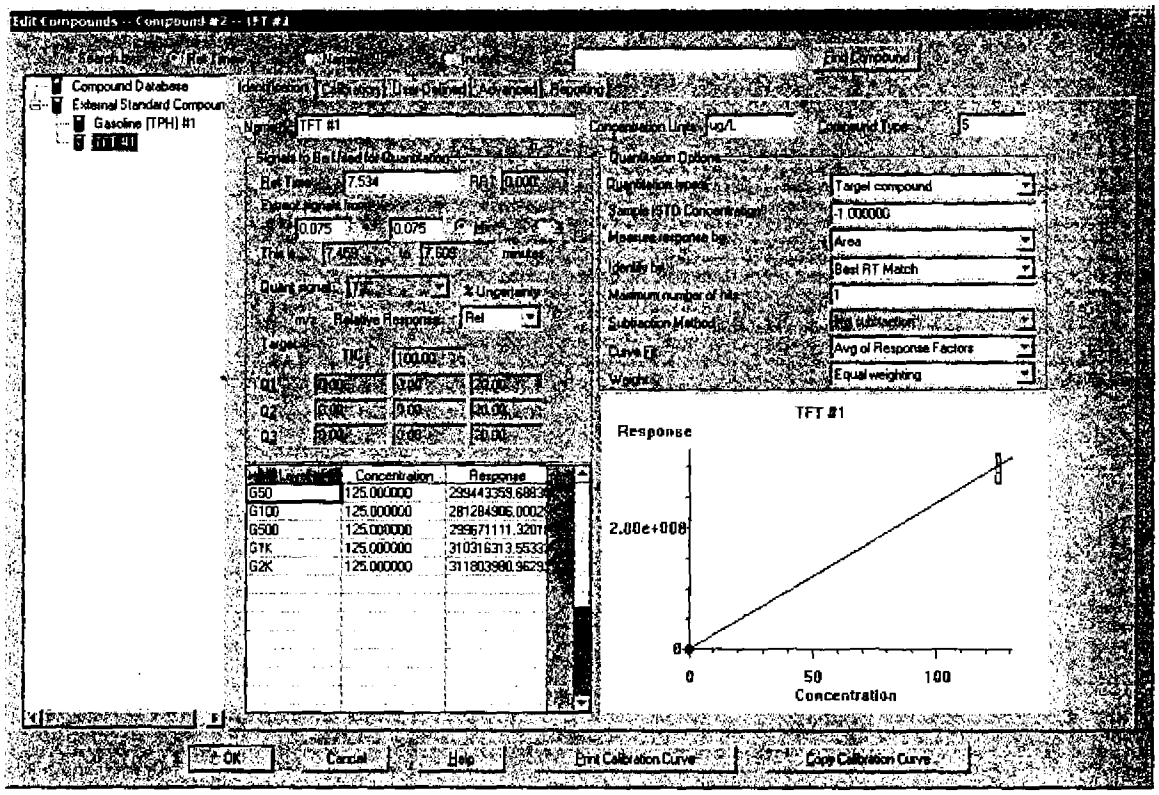
Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

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
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
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
Curve fit
Avg of Response Factors
Weight
Equal weighting
Gasoline (TPH) #1
Response
4.00e+009
2.00e+009
0
1.00e+003
2.00e+003
Concentration
Concentration
Response
G50
50.000000
G100
100.000000
G500
500.000000
G1K
1000.000000
G2K
2000.000000
OK
Cancel
Help
Print Calibration Curve
Copy Calibration Curve


Edit Compounds -- Compound #2 -- TFT #1
Compound Database
External Standard Compoun
Gasoline [TPH] #1
TFT #1
Name
TFT #1
Concentration Units
ug/L
Compound Type
5
Ret Time
7.534
RRT
0.000
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
Avg of Response Factors
Curve Fit
Equal weighting
Weight
Relative Response
Rel
% Uncertainty
Concentration
Response
G50
125.000000
G100
125.000000
G500
125.000000
G1K
125.000000
G2K
125.000000
TFT #1
Response
2.00e+008
0
0
50
100
Concentration
OK
Cancel
Help
Print Calibration Curve
Copy Calibration Curve

Compound List Report GC-FID-PID

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

Total Cpnds : 2

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

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

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

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

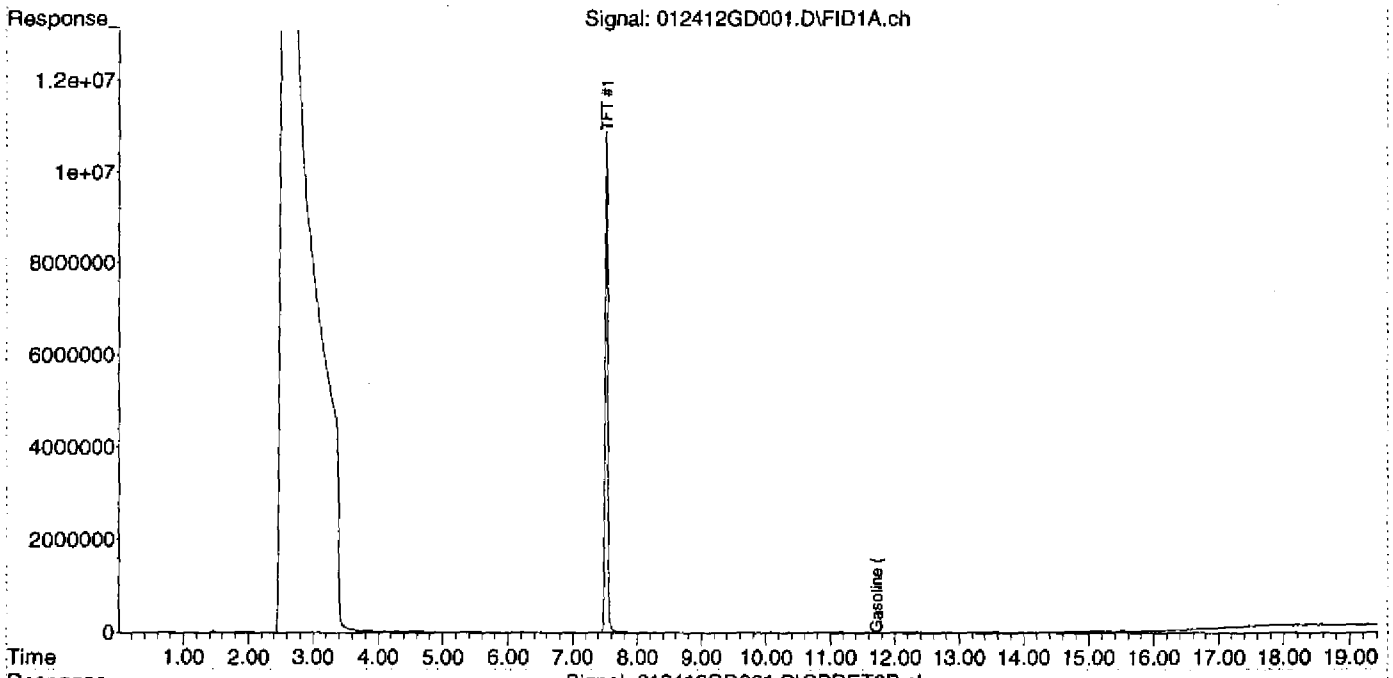
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.523	308613824	128.373 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.70%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	842790	0.379 ug/L

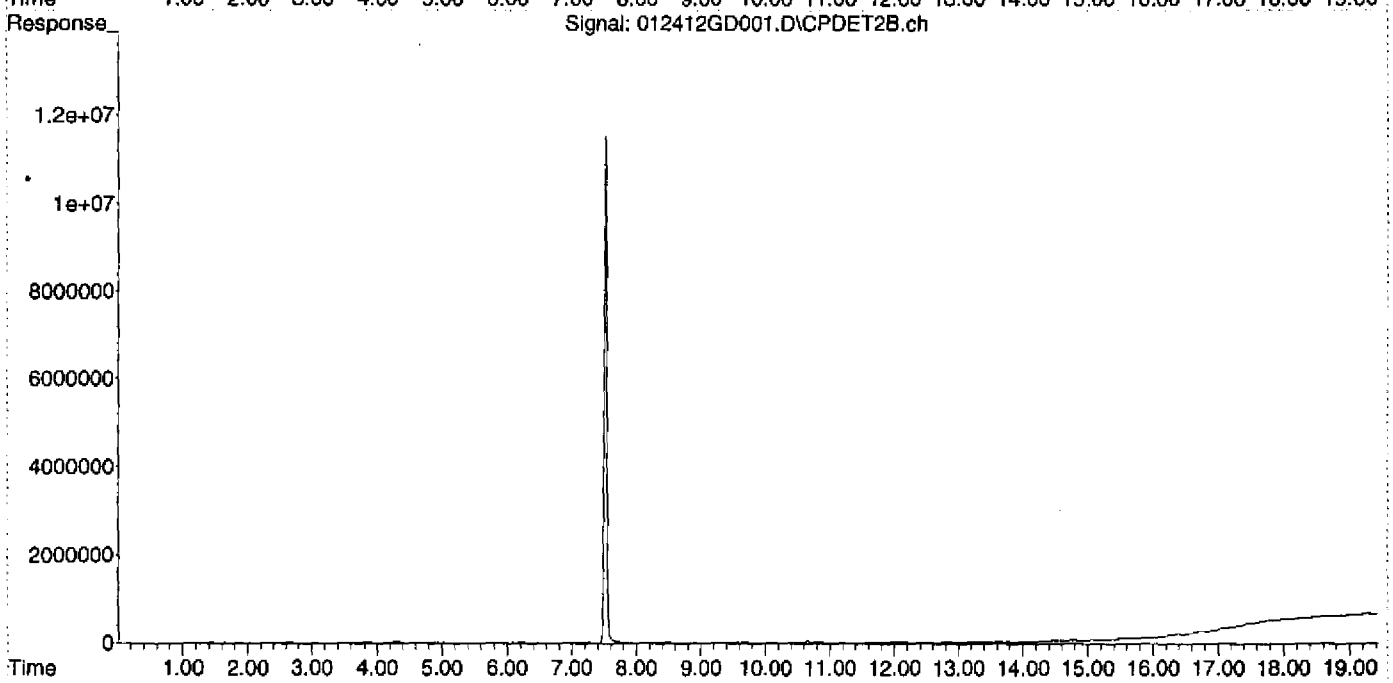
(f)=RT Delta > 1/2 Window (m)=manual int.

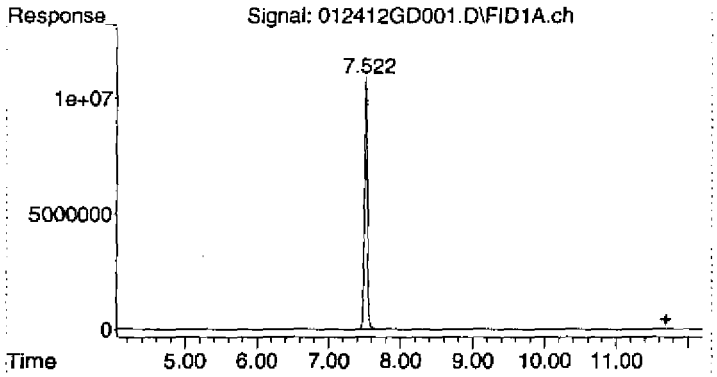
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 10:58 am
Operator : YNB
Sample : 2010034-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

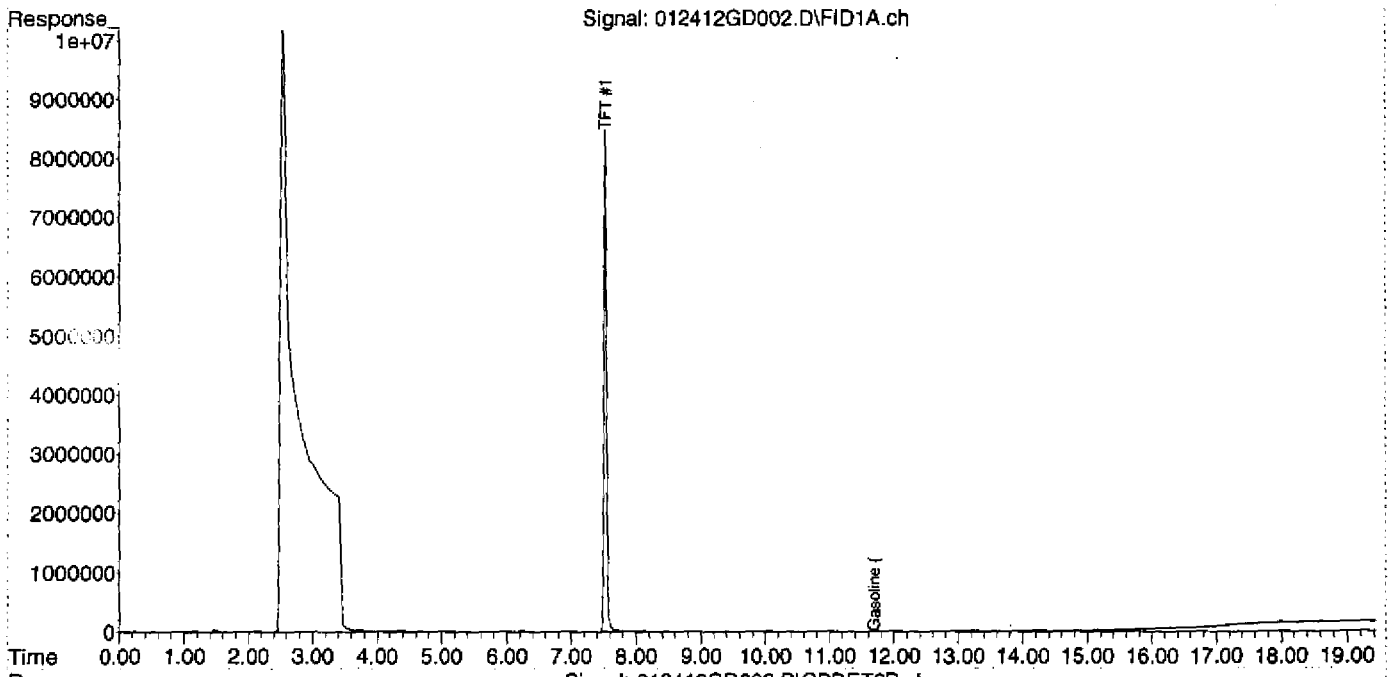
R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	842790
Conc:	0.38 ug/L

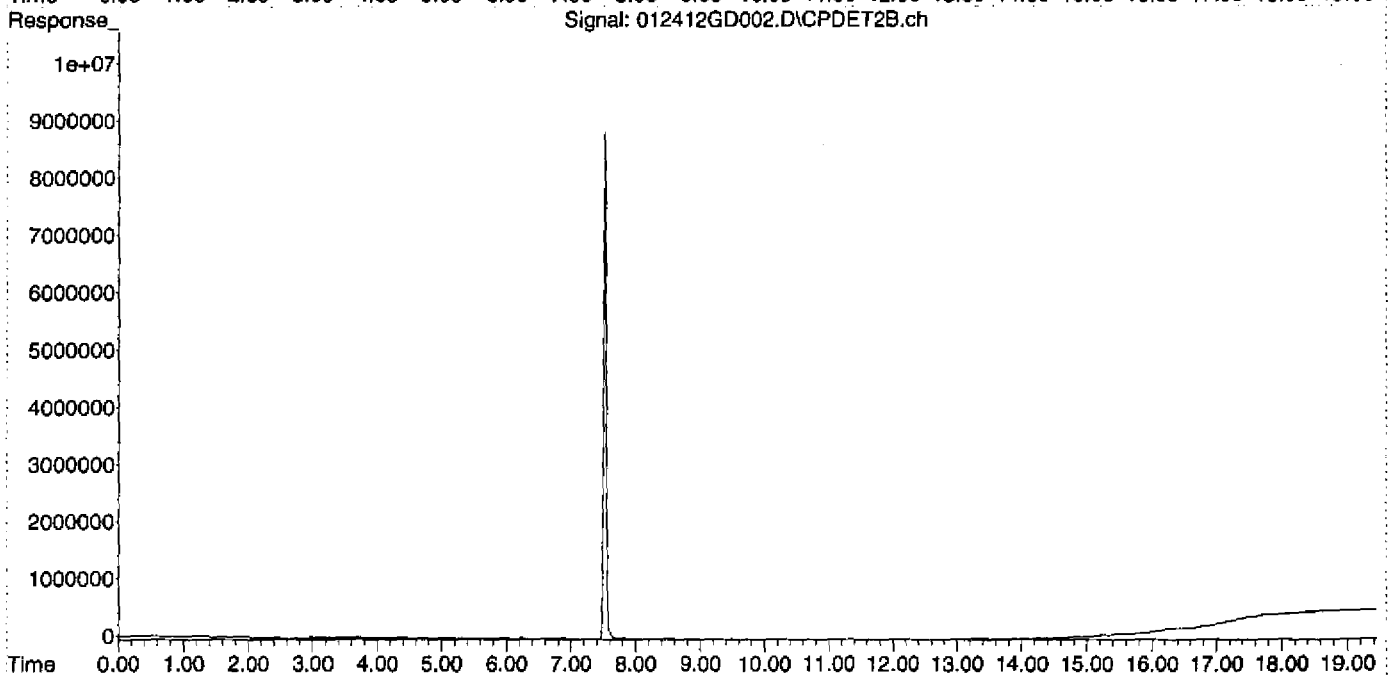
Quantitation Report (Not Reviewed)

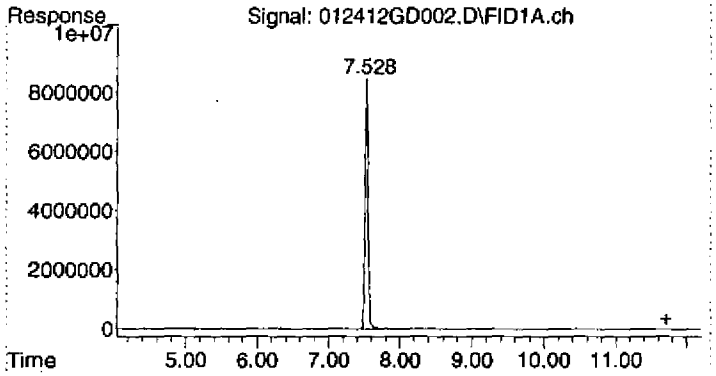
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:27 am
Operator : YNB
Sample : 2010034-IBL2
Misc : 2A24003, IB
ALS Vial : 2 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

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

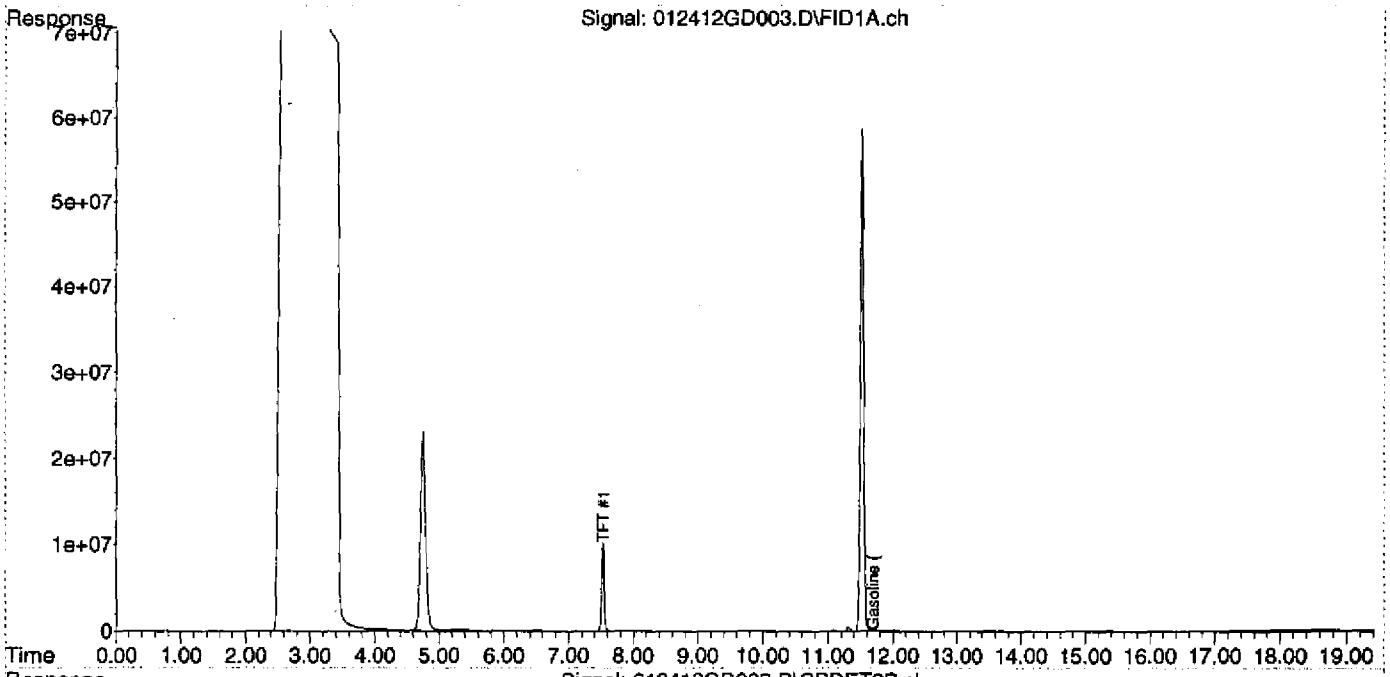
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	288002508	119.800 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 95.84%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	3354126923	1506.476 ug/L

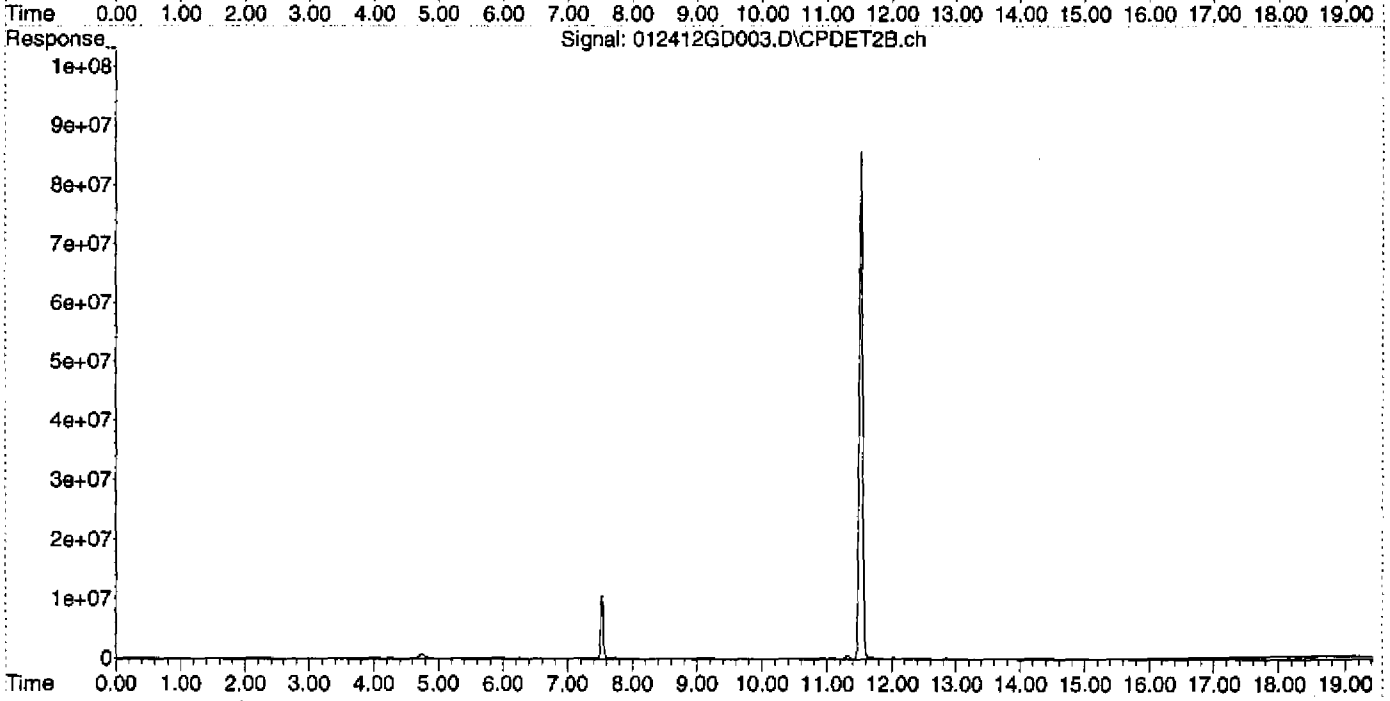
(f)=RT Delta > 1/2 Window (m)=manual int.

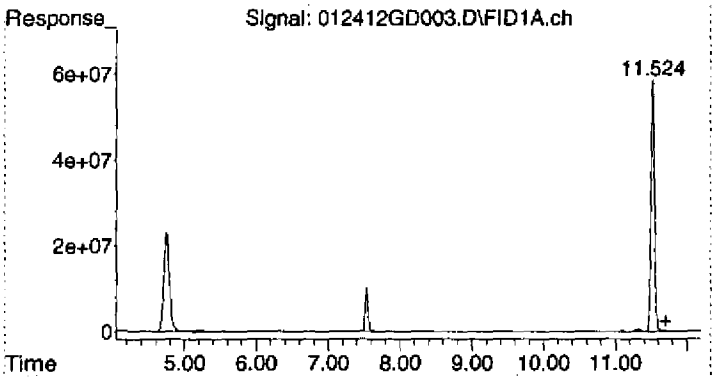
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

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

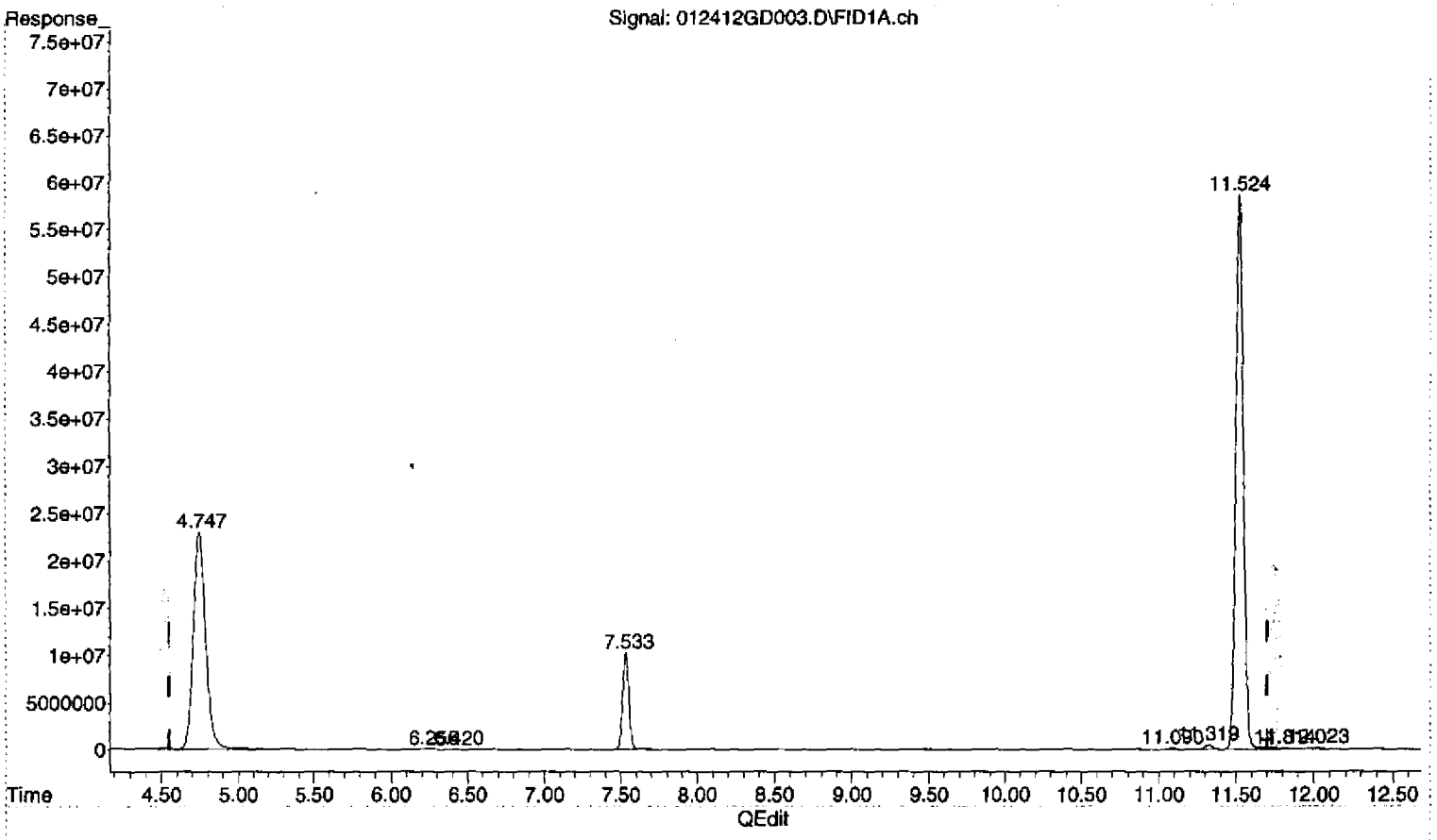
R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 3354126923
Conc: 1506.48 ug/L

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

012412TPH_GAS.M Wed Jan 25 13:45:40 2012

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

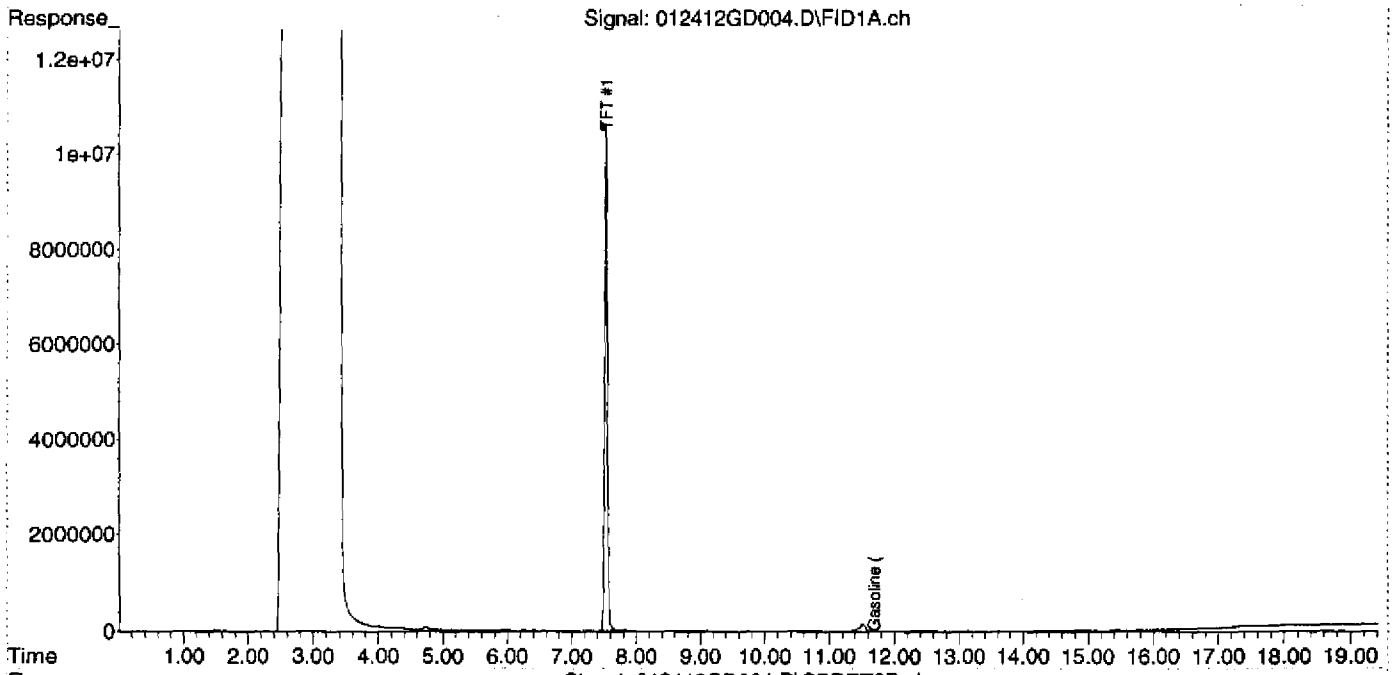
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	297346628	123.687 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery =	98.95%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	14246639	6.399 ug/L

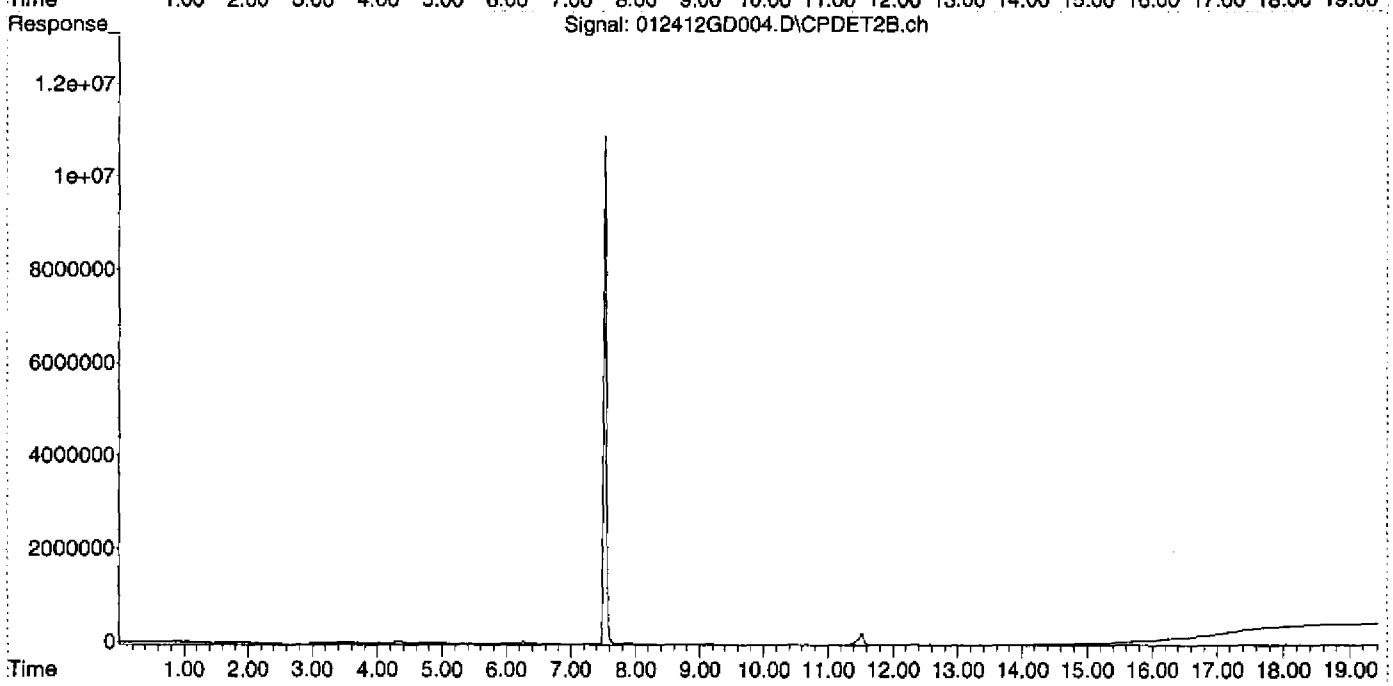
(f)=RT Delta > 1/2 Window (m)=manual int.

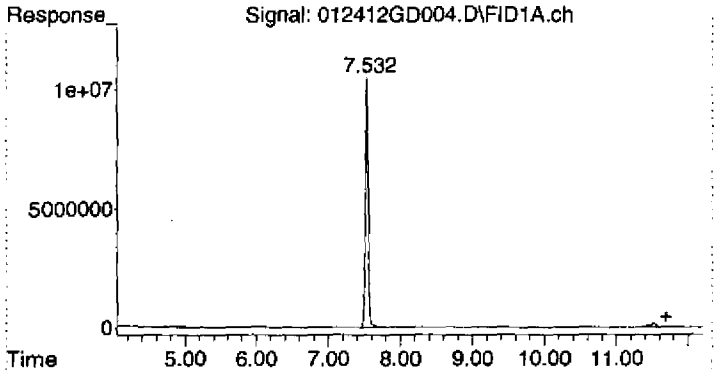
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:24 pm
Operator : YNB
Sample : 2010034-IBL3
Misc : 2A24003, IB
ALS Vial : 4 Sample Multiplier: 1

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)

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

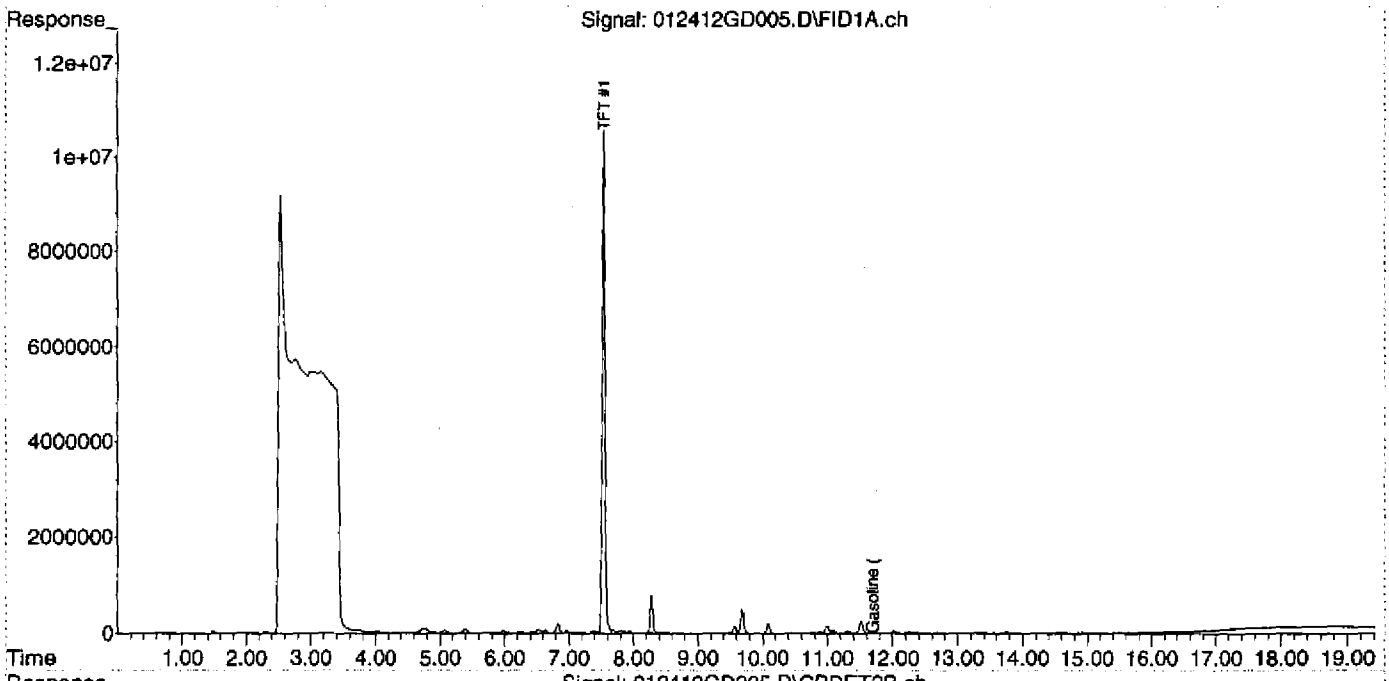
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	299443360	124.559 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery =	99.65%
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	111817314	50.222 ug/L

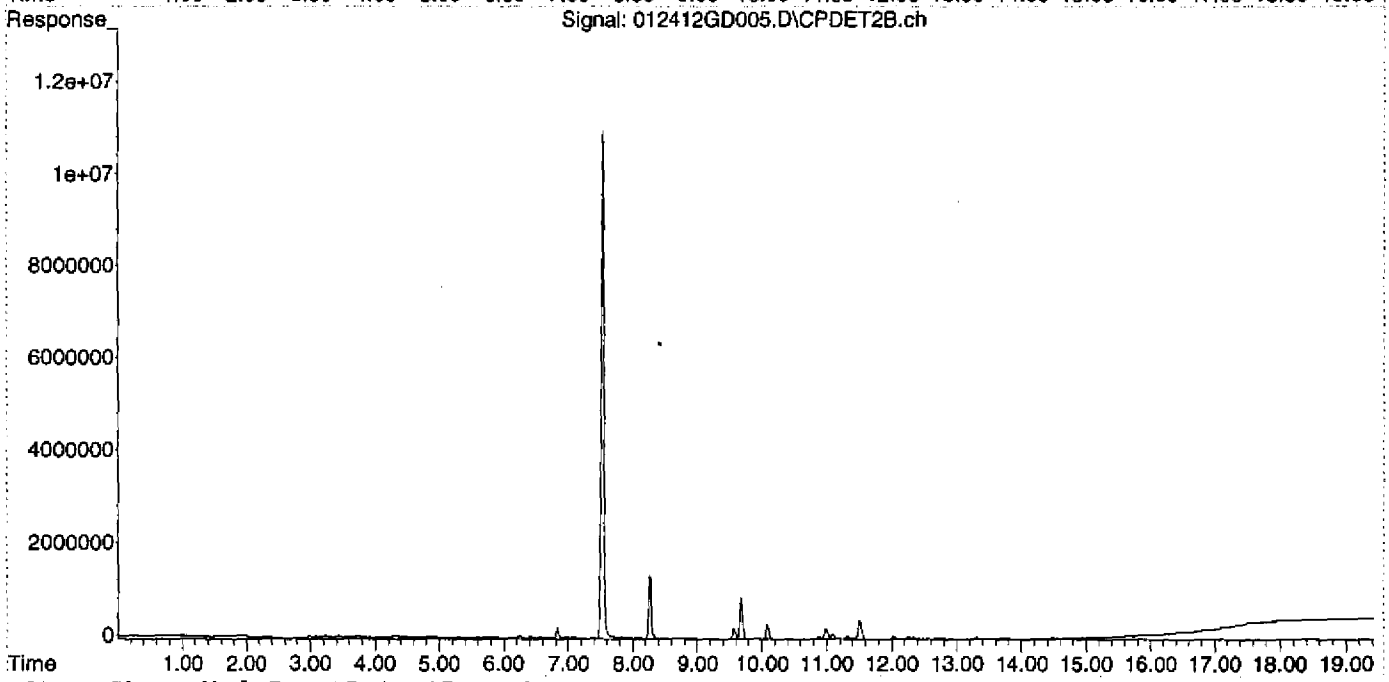
(f)=RT Delta > 1/2 Window (m)=manual int.

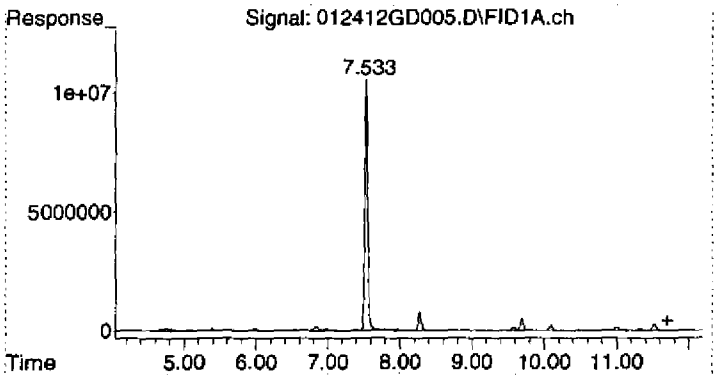
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:53 pm
Operator : YNB
Sample : 2010034-CAL1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

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)

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

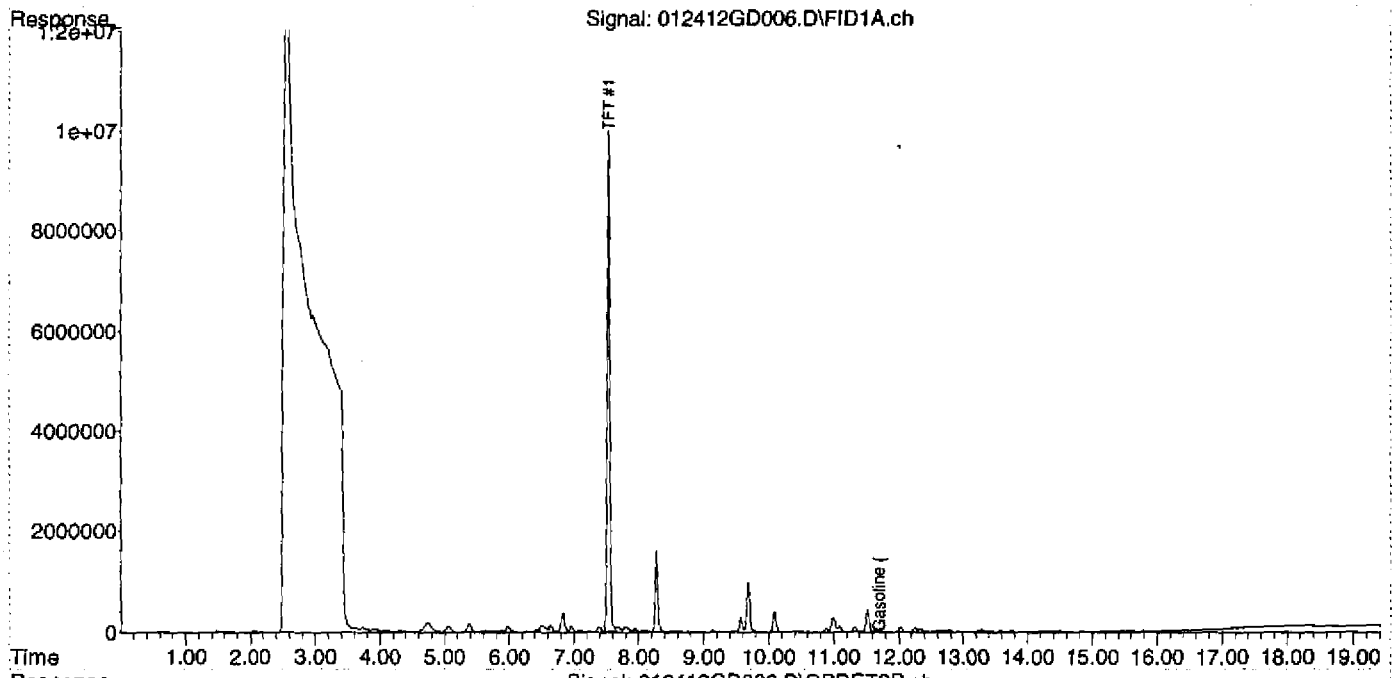
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	281284906	117.006 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 93.60%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	218533024	98.152 ug/L

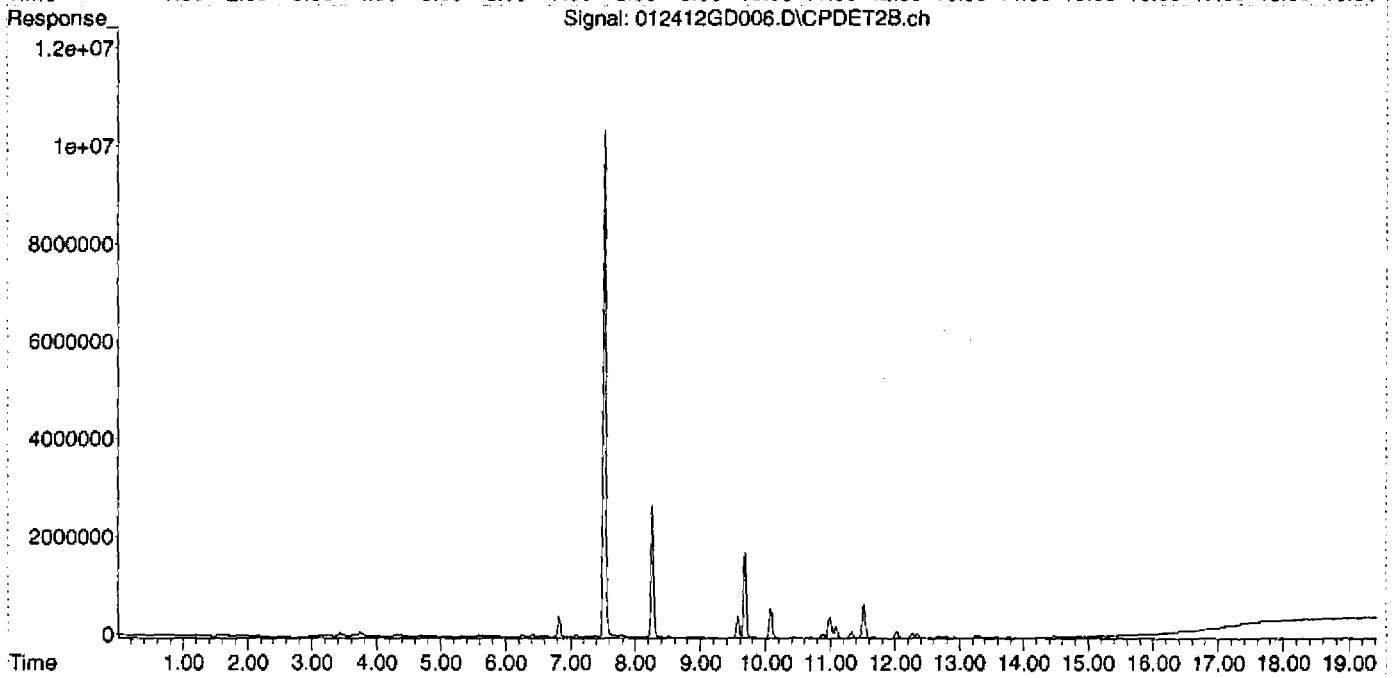
(f)=RT Delta > 1/2 Window (m)=manual int.

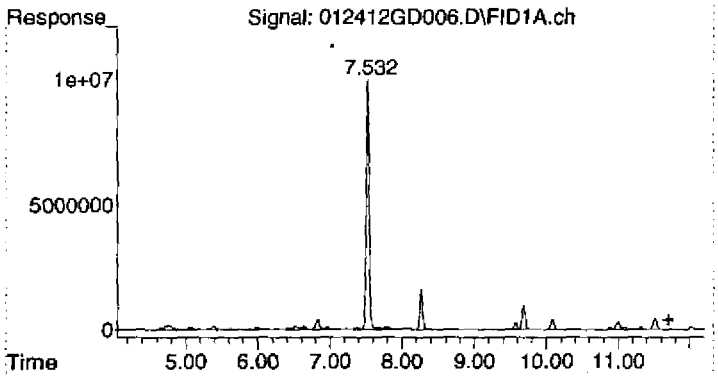
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:21 pm
Operator : YNB
Sample : 2010034-CAL2
Misc : 100ug/L, 1J17001, WATER
ALS Vial : 6 Sample Multiplier: 1

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

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

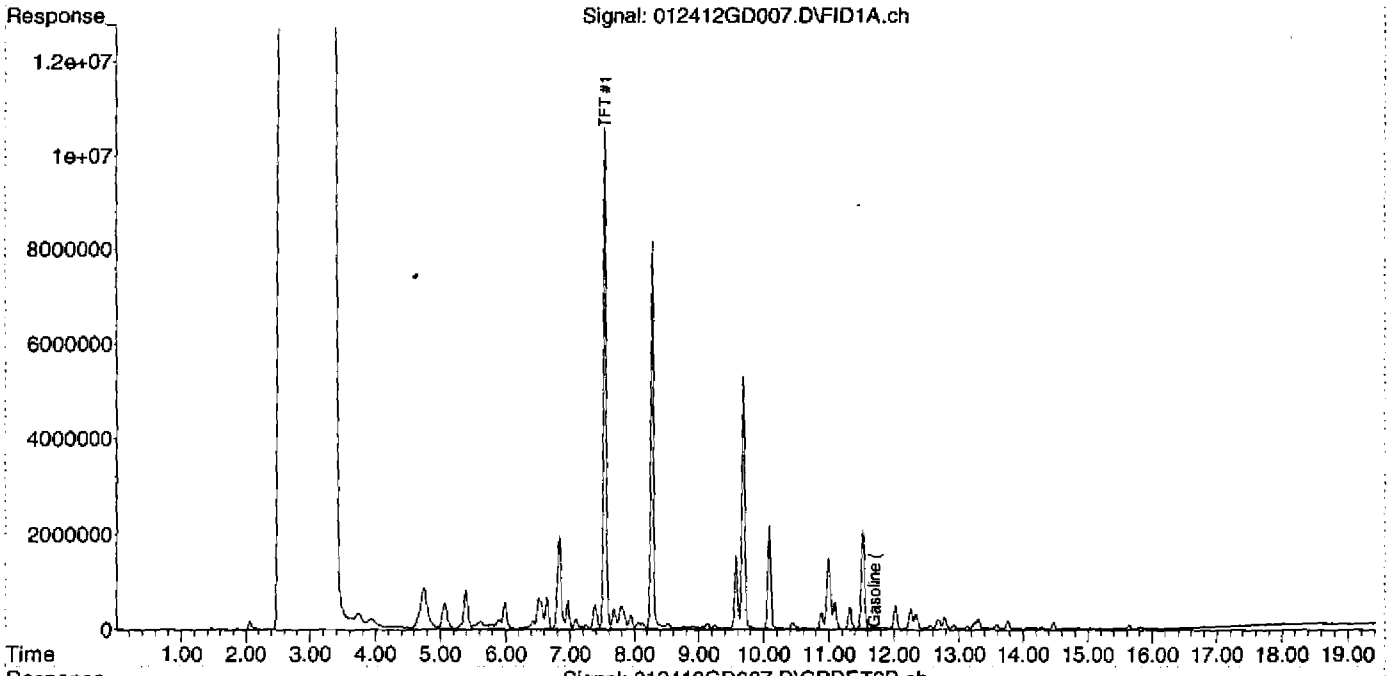
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	299671111	124.654 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.72%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1172336253	526.544 ug/L

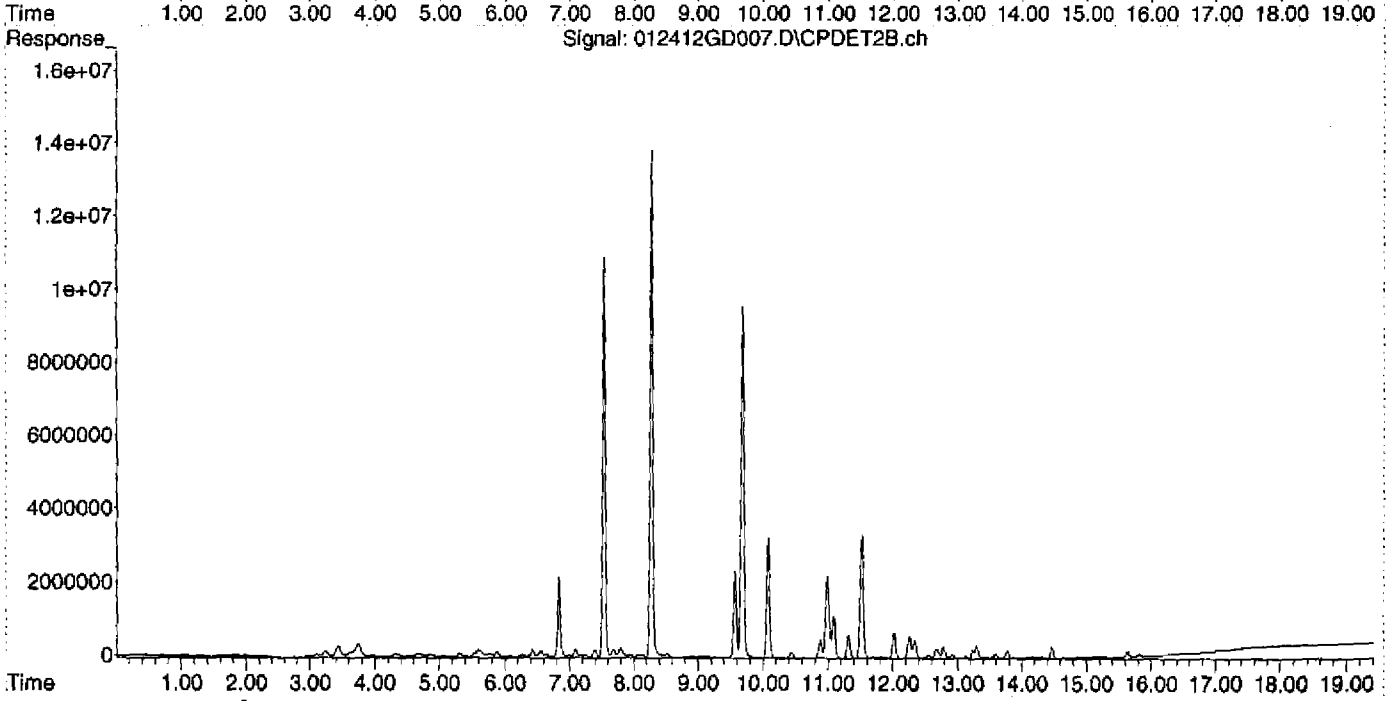
(f)=RT Delta > 1/2 Window (m)=manual int.

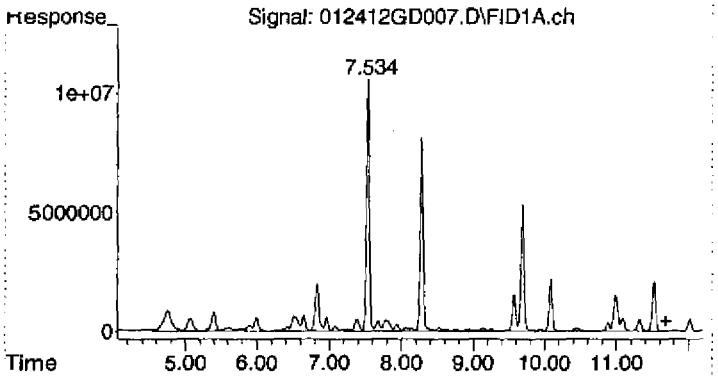
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:49 pm
Operator : YNB
Sample : 2010034-CAL3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 7 Sample Multiplier: 1

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

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

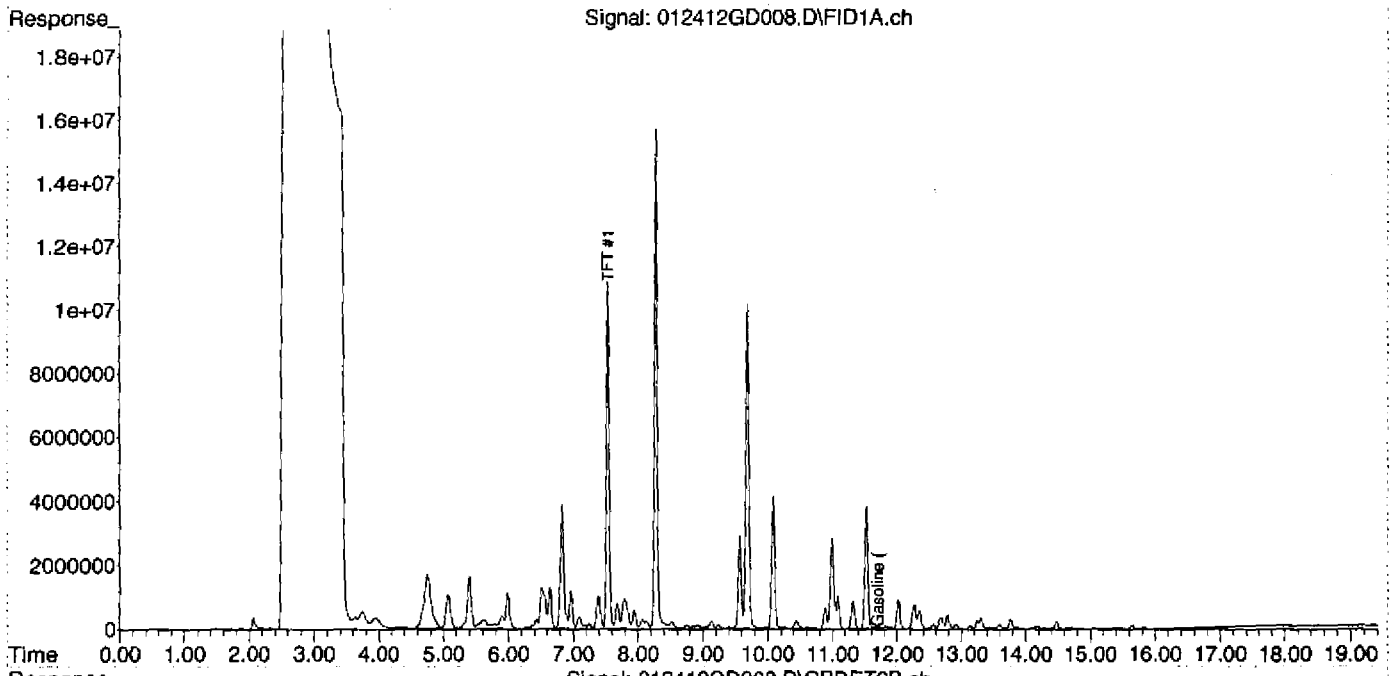
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	310316314	129.082 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 103.27%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2253858087	1012.300 ug/L

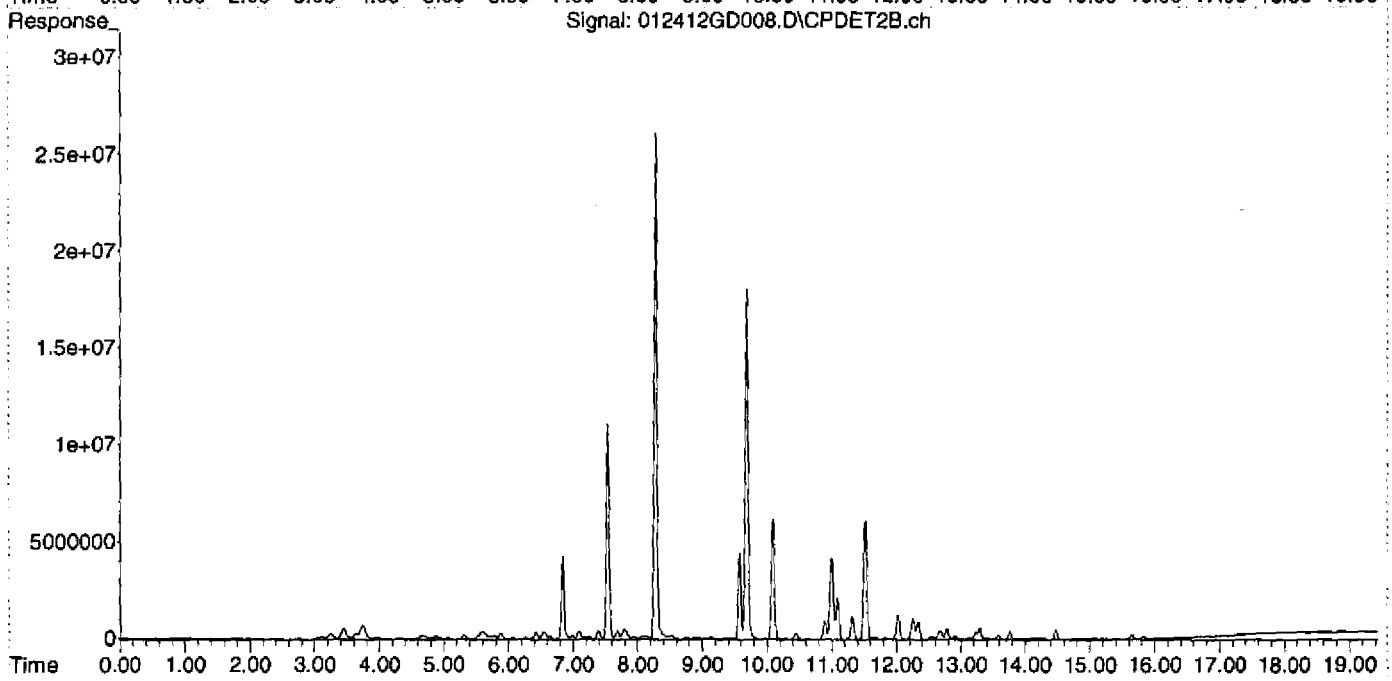
(f)=RT Delta > 1/2 Window (m)=manual int.

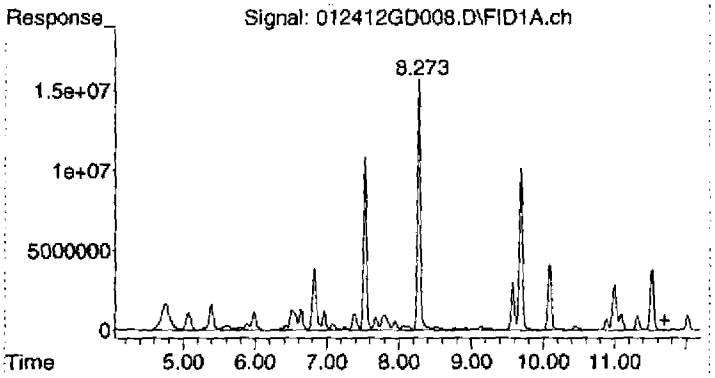
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:17 pm
Operator : YNB
Sample : 2010034-CAL4
Misc : 1000ug/L, 1J17001, WATER
ALS Vial : 8 Sample Multiplier: 1

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 #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: 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

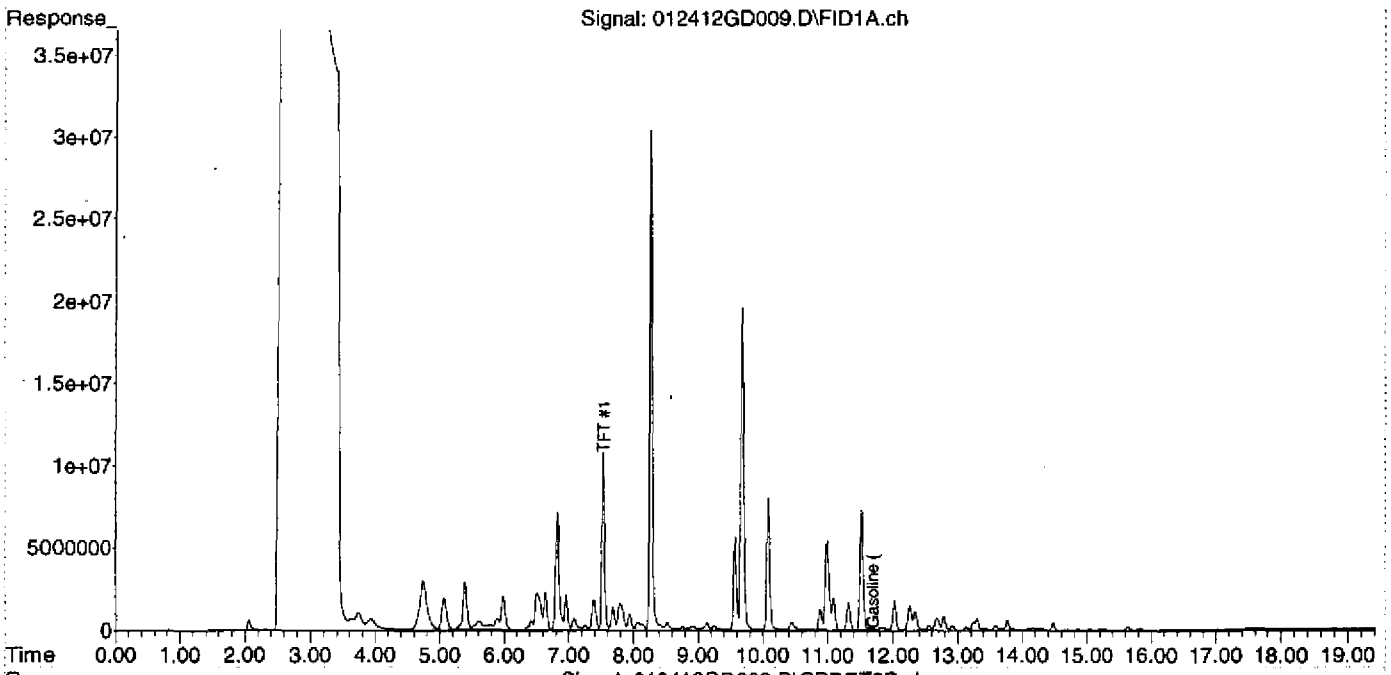
(f)=RT Delta > 1/2 Window (m)=manual int.

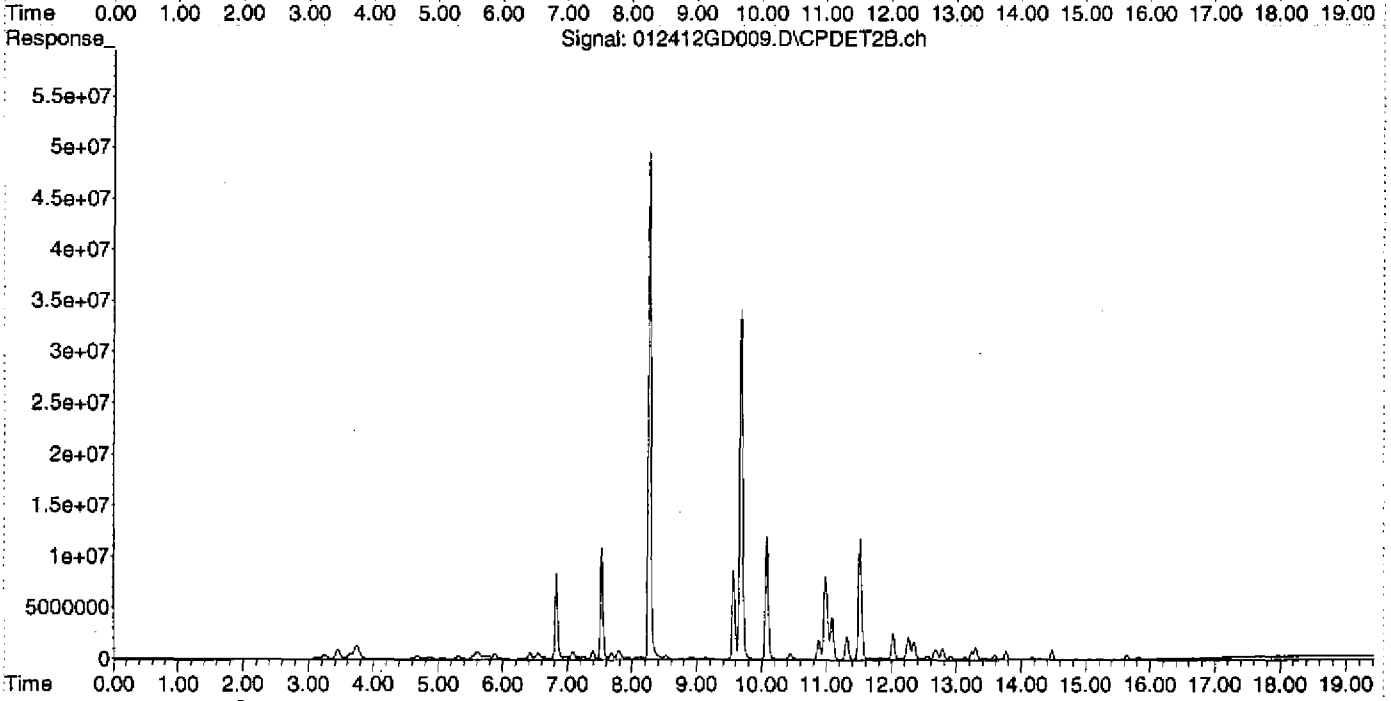
Quantitation Report (Not Reviewed)

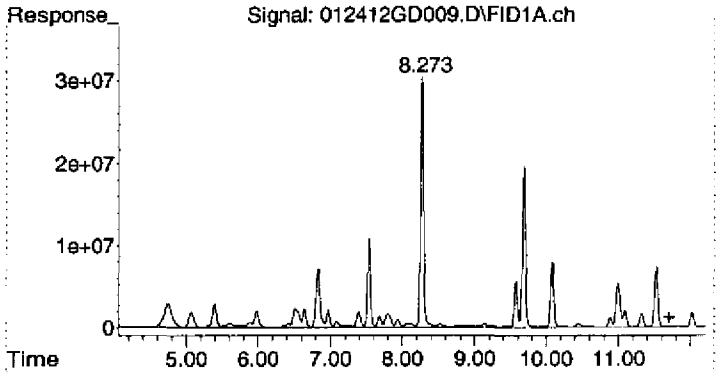
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:46 pm
Operator : YNB
Sample : 2010034-CAL5
Misc : 2000ug/L, 1J17001, WATER
ALS Vial : 9 Sample Multiplier: 1

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

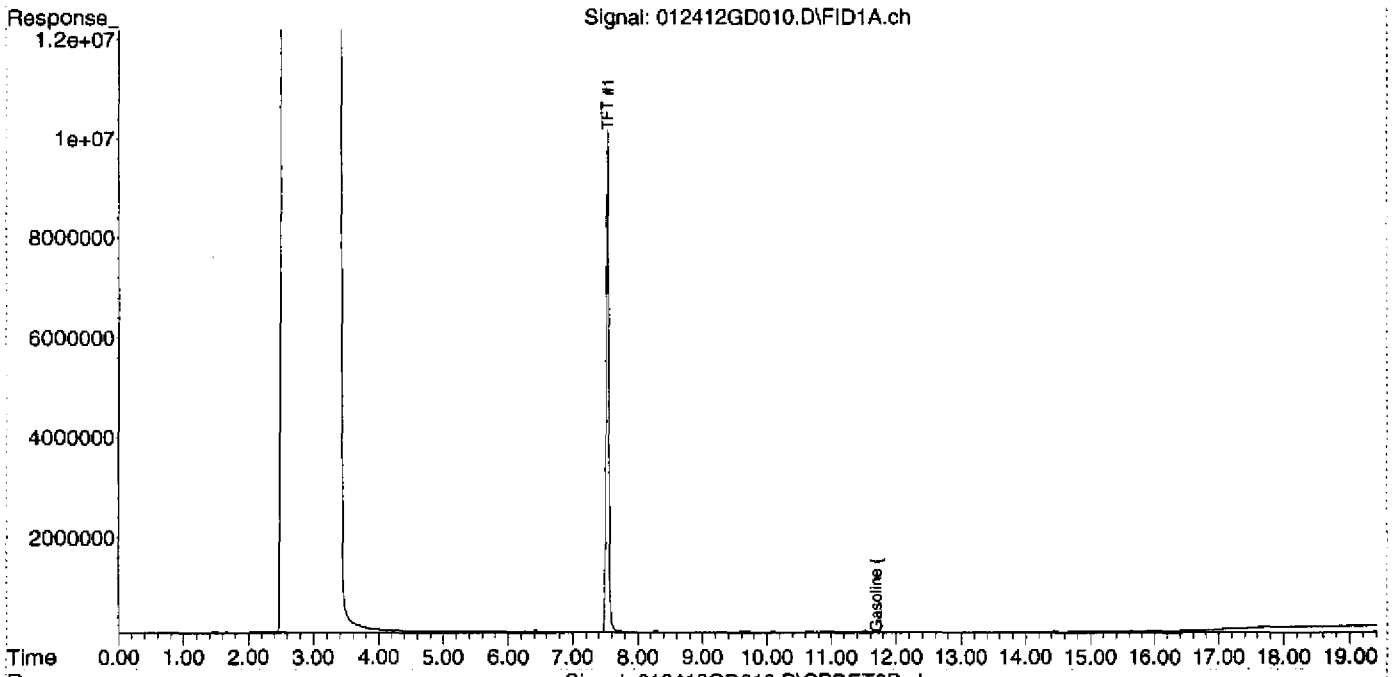
(f)=RT Delta > 1/2 Window (m)=manual int.

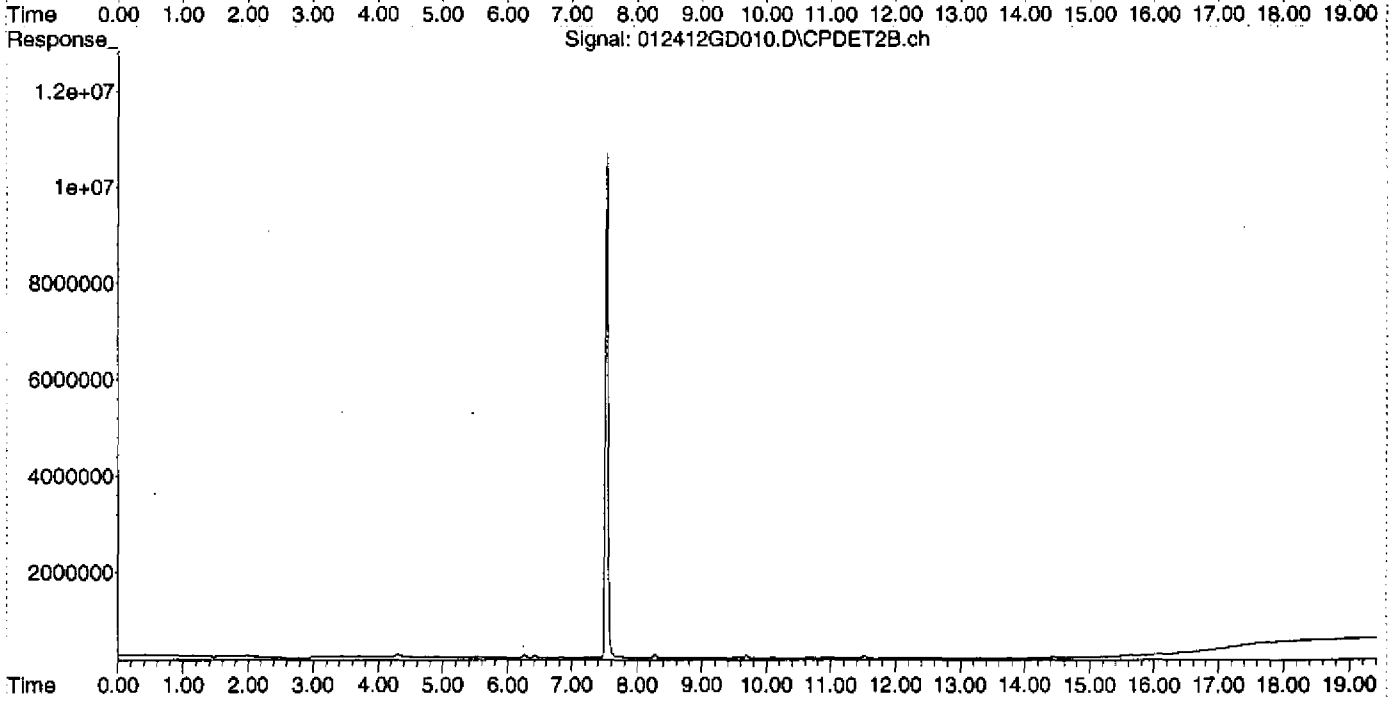
Quantitation Report (Not Reviewed)

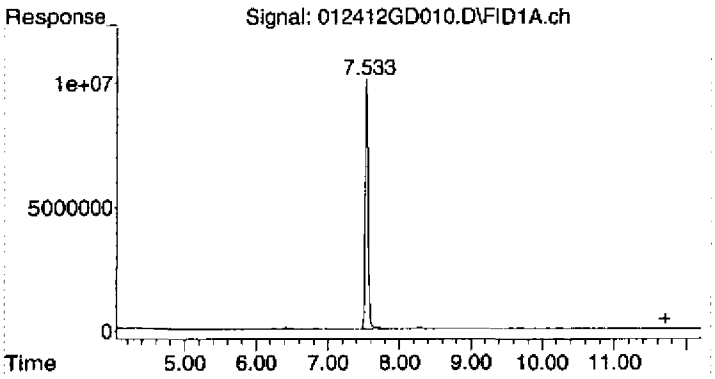
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:15 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 10 Sample Multiplier: 1

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.

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

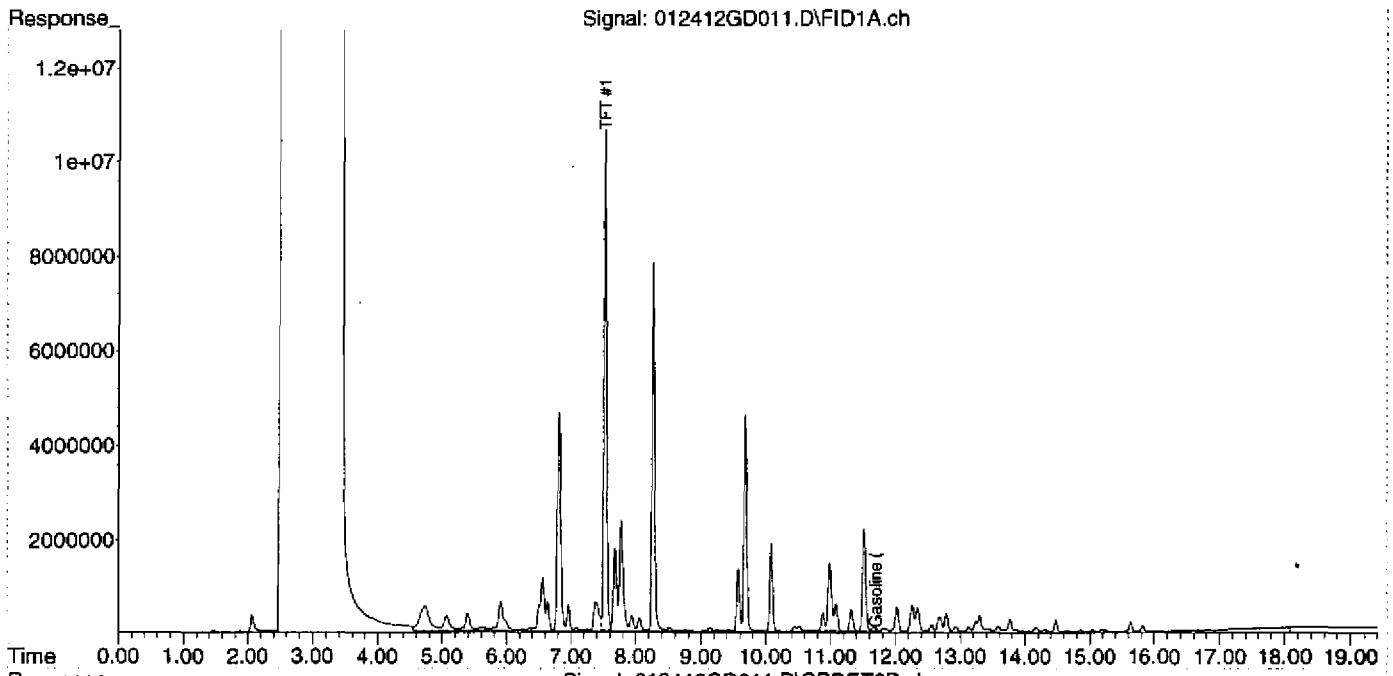
100.1%
YNB
01.25.12

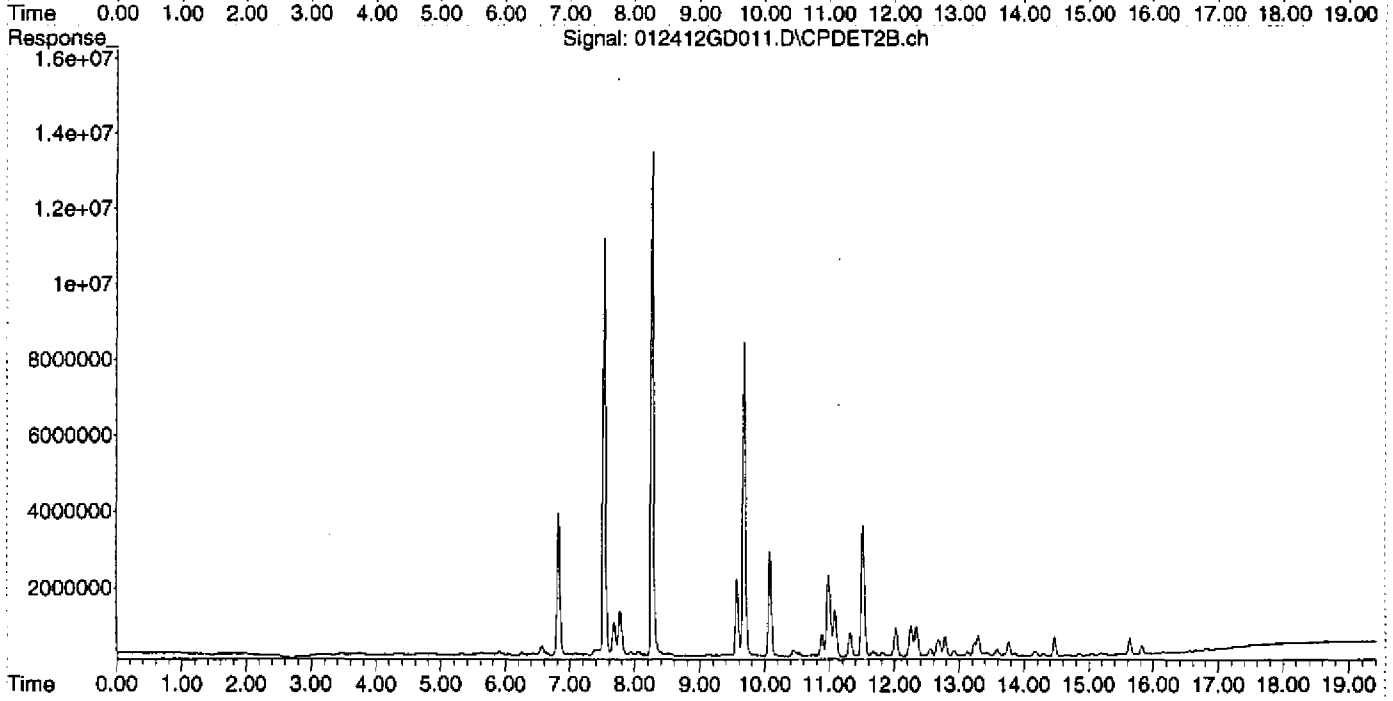
Quantitation Report (Not Reviewed)

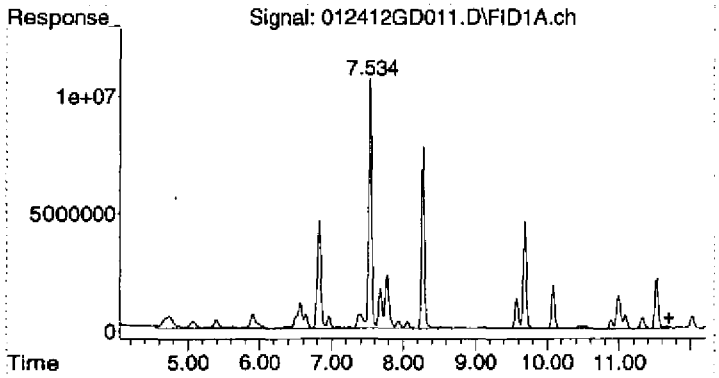
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:43 pm
Operator : YNB
Sample : 2010034-SCV1
Misc : 500ug/L, 2A10001, WATER
ALS Vial : 11 Sample Multiplier: 1

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)

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

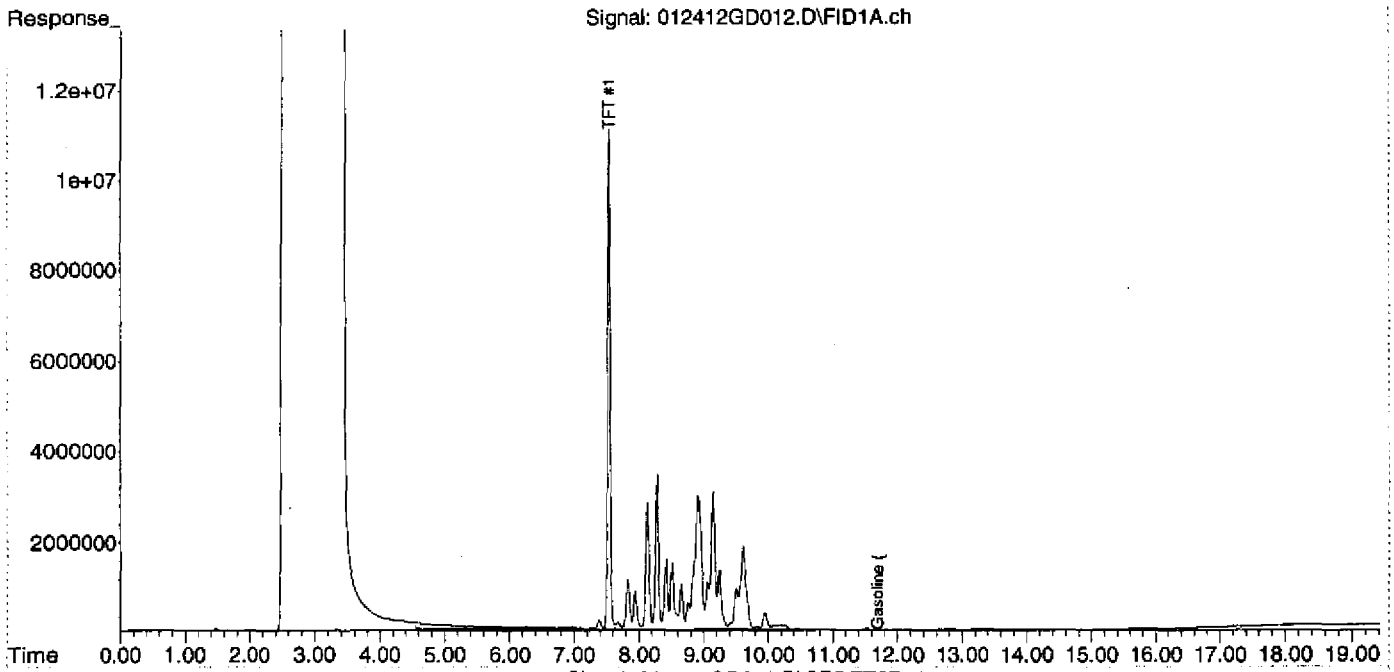
(f)=RT Delta > 1/2 Window (m)=manual int.

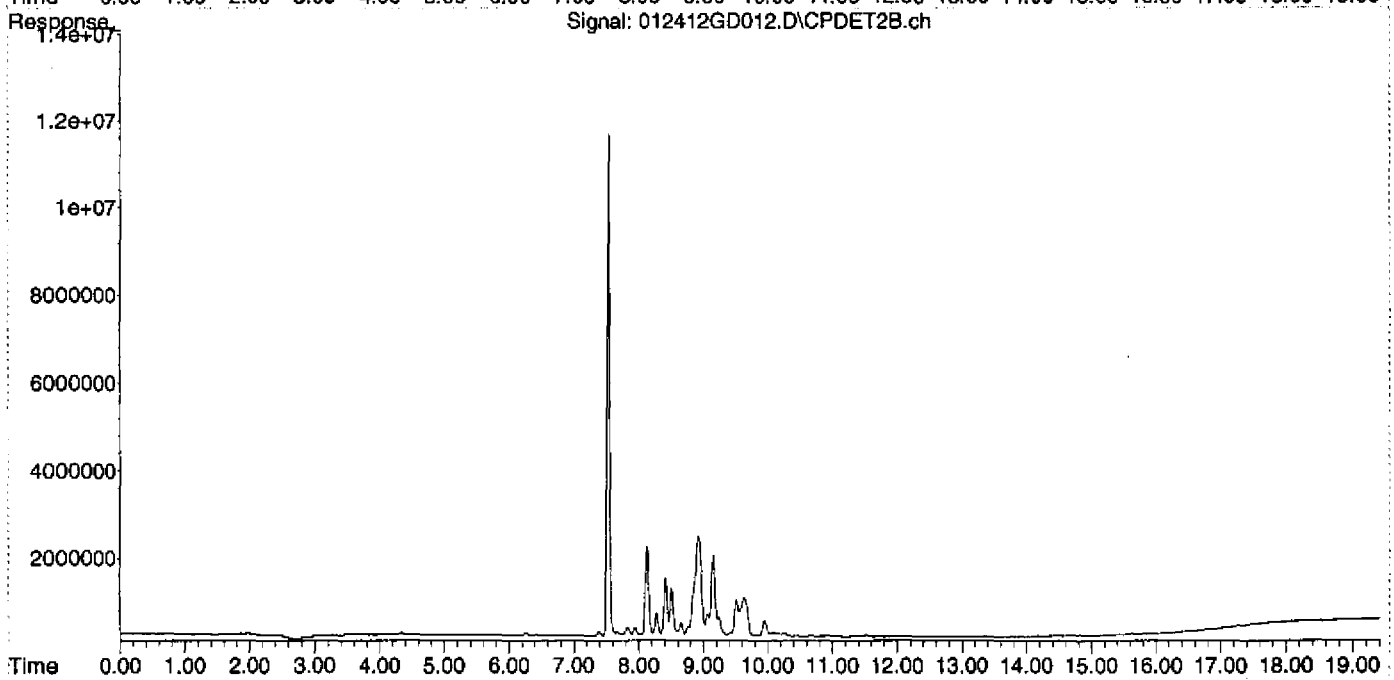
Quantitation Report (Not Reviewed)

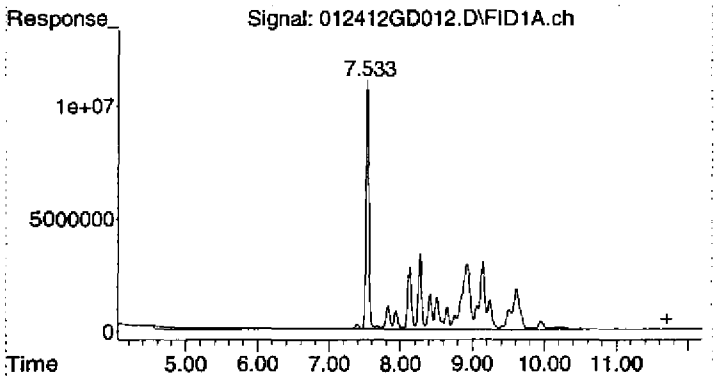
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:12 pm
Operator : YNB
Sample : 2010034-ICB1
Misc : NAPHTHA, 2A10005, WATER
ALS Vial : 12 Sample Multiplier: 1

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

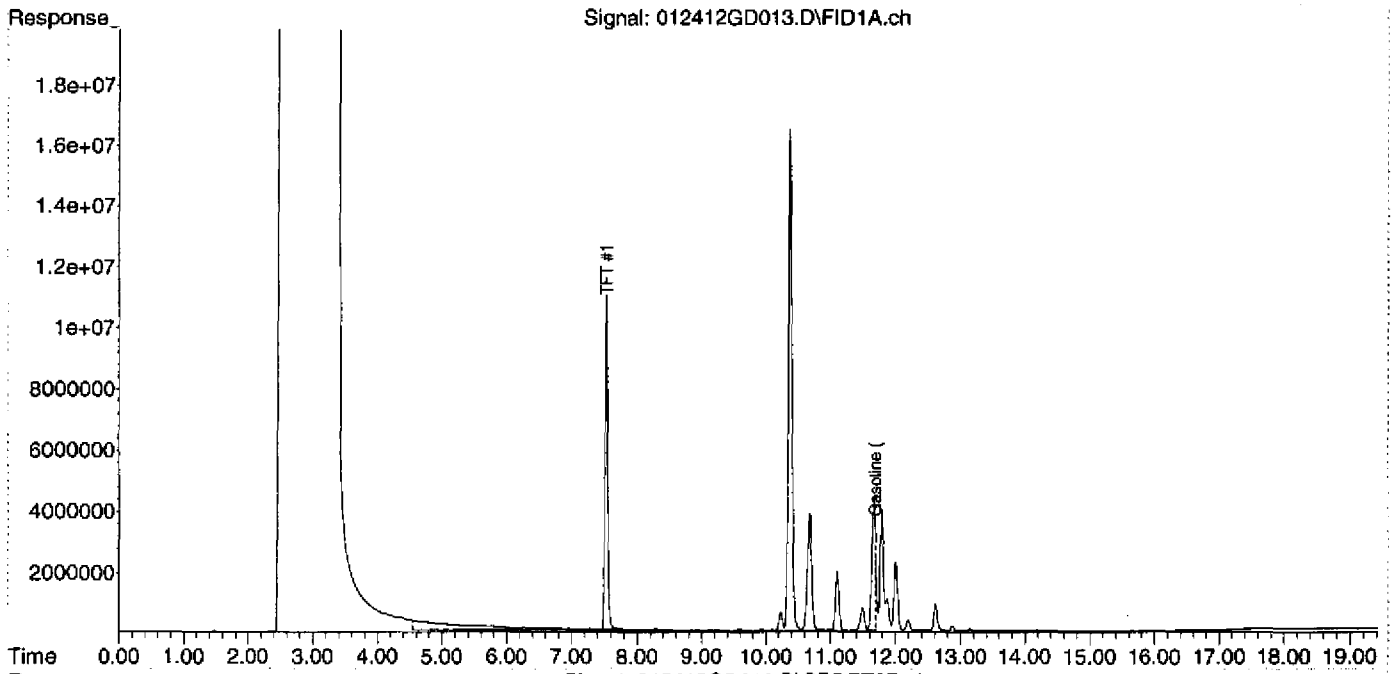
(f)=RT Delta > 1/2 Window (m)=manual int.

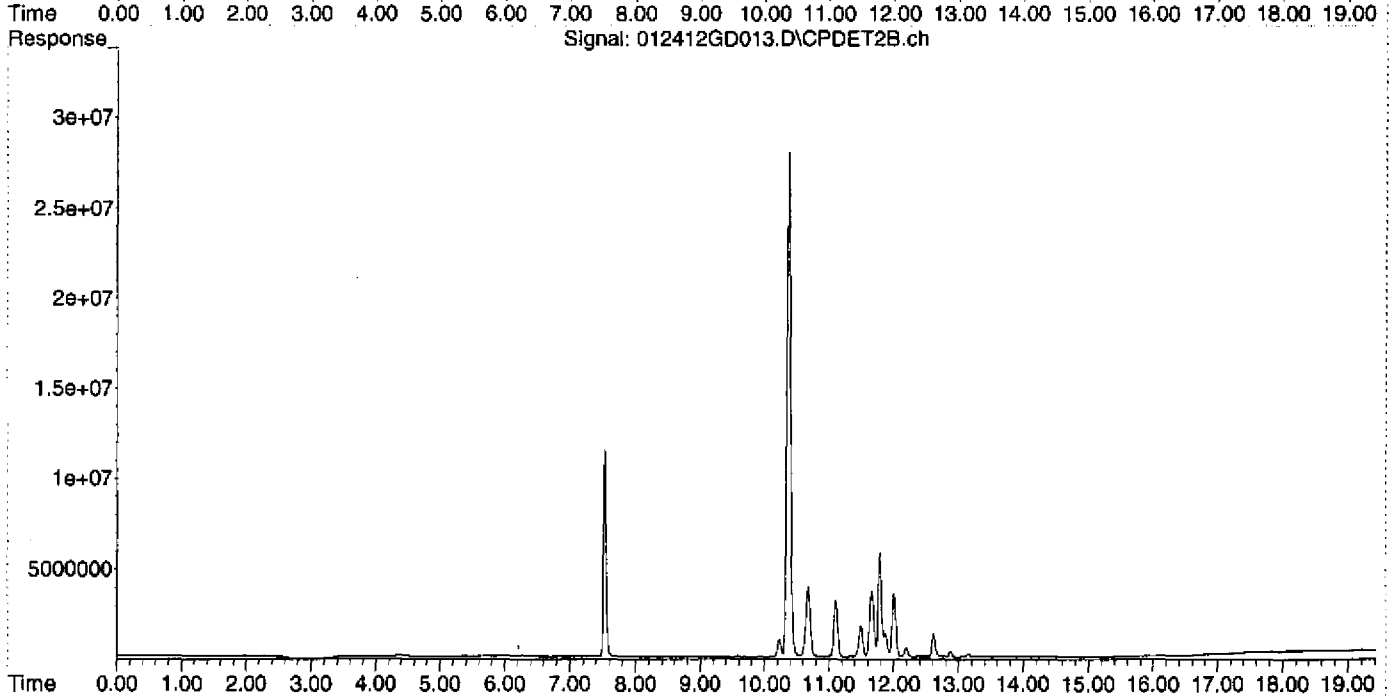
Quantitation Report (Not Reviewed)

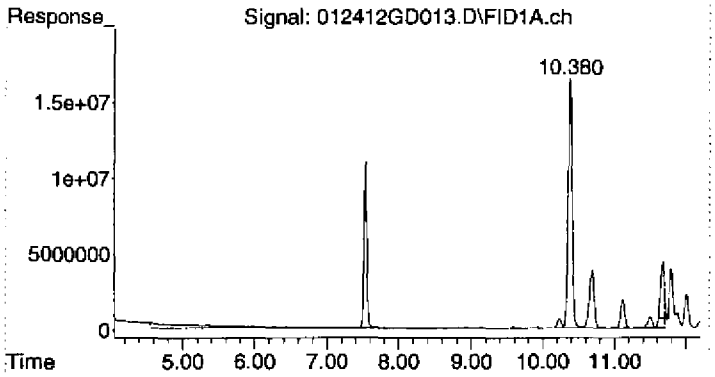
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:40 pm
Operator : YNB
Sample : 2010034-ICB2
Misc : TURPENTINE, 2A10006, WATER
ALS Vial : 13 Sample Multiplier: 1

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

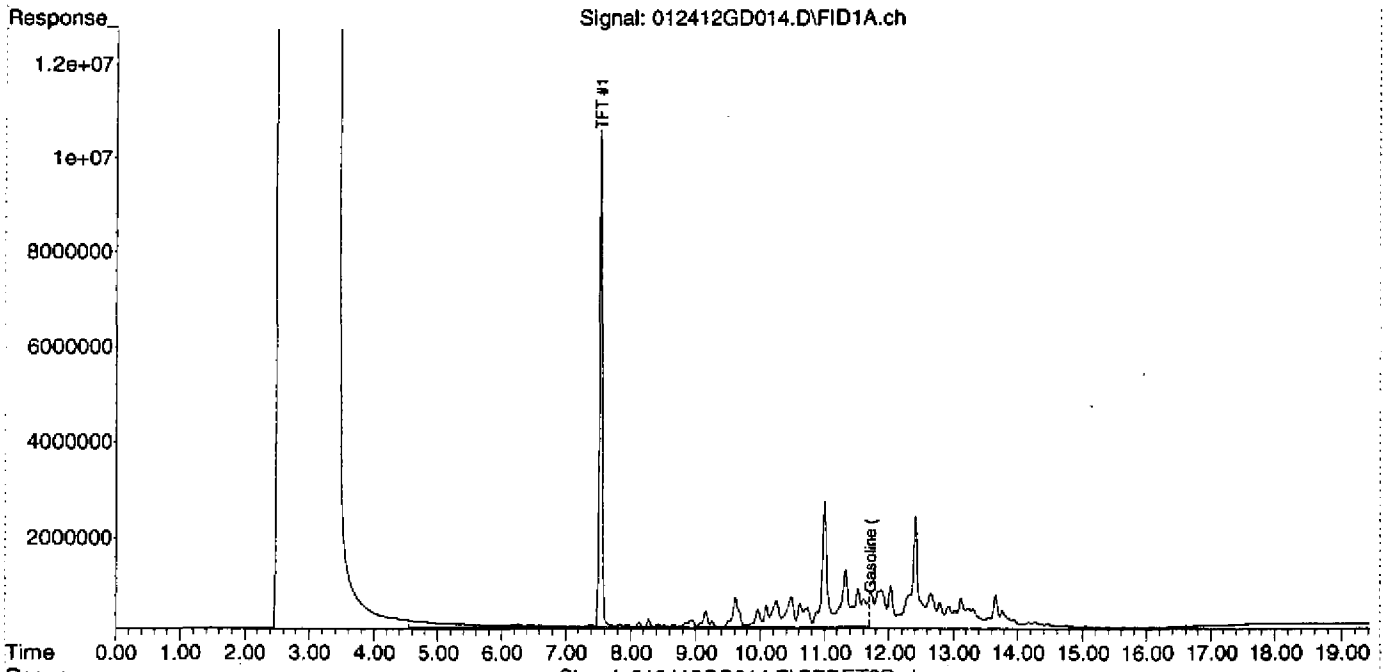
(f)=RT Delta > 1/2 Window (m)=manual int.

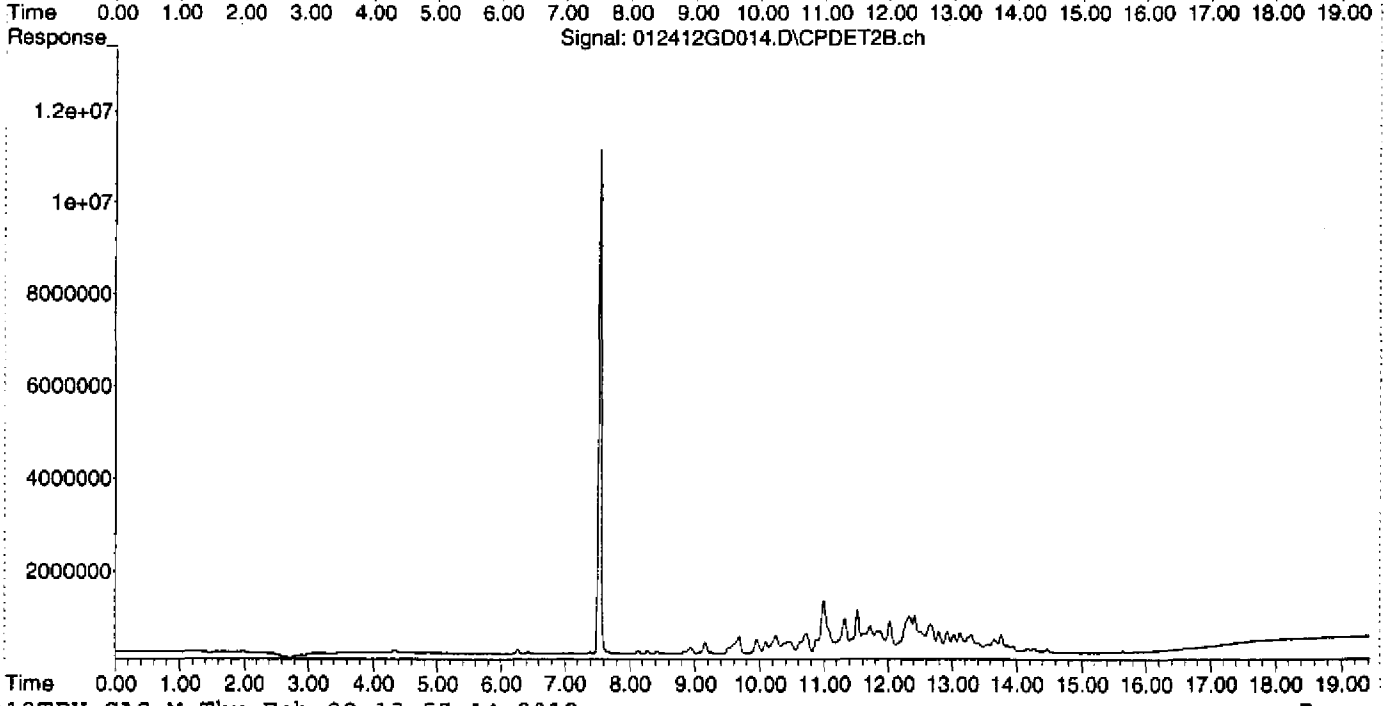
Quantitation Report (Not Reviewed)

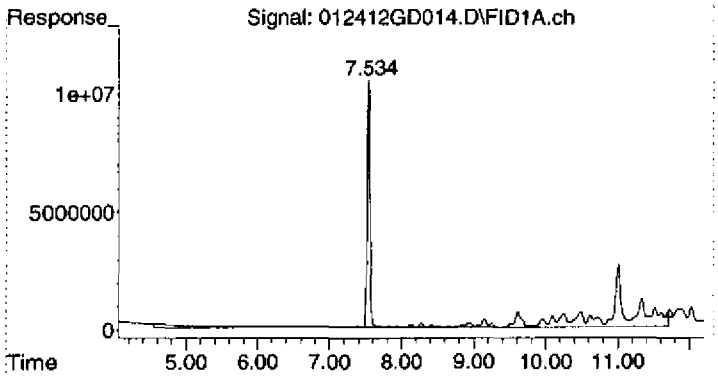
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:08 pm
Operator : YNB
Sample : 2010034-ICB3
Misc : MIN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\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

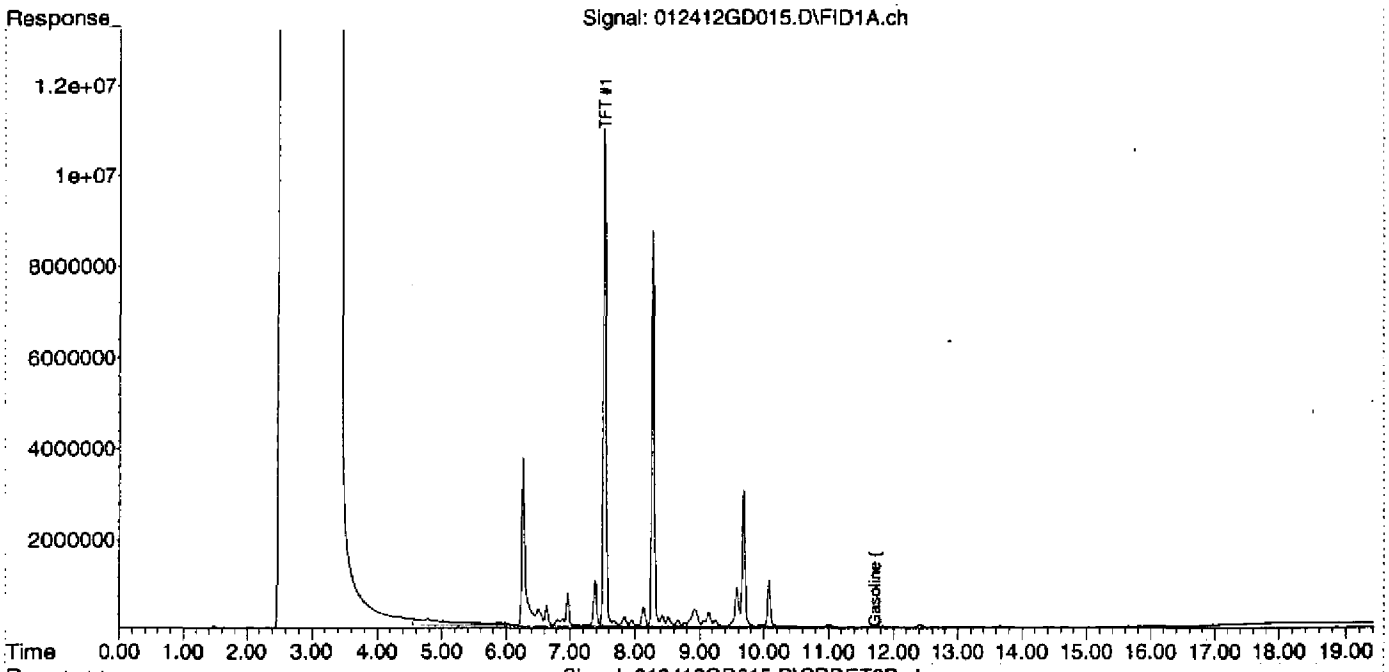
(f)=RT Delta > 1/2 Window (m)=manual int.

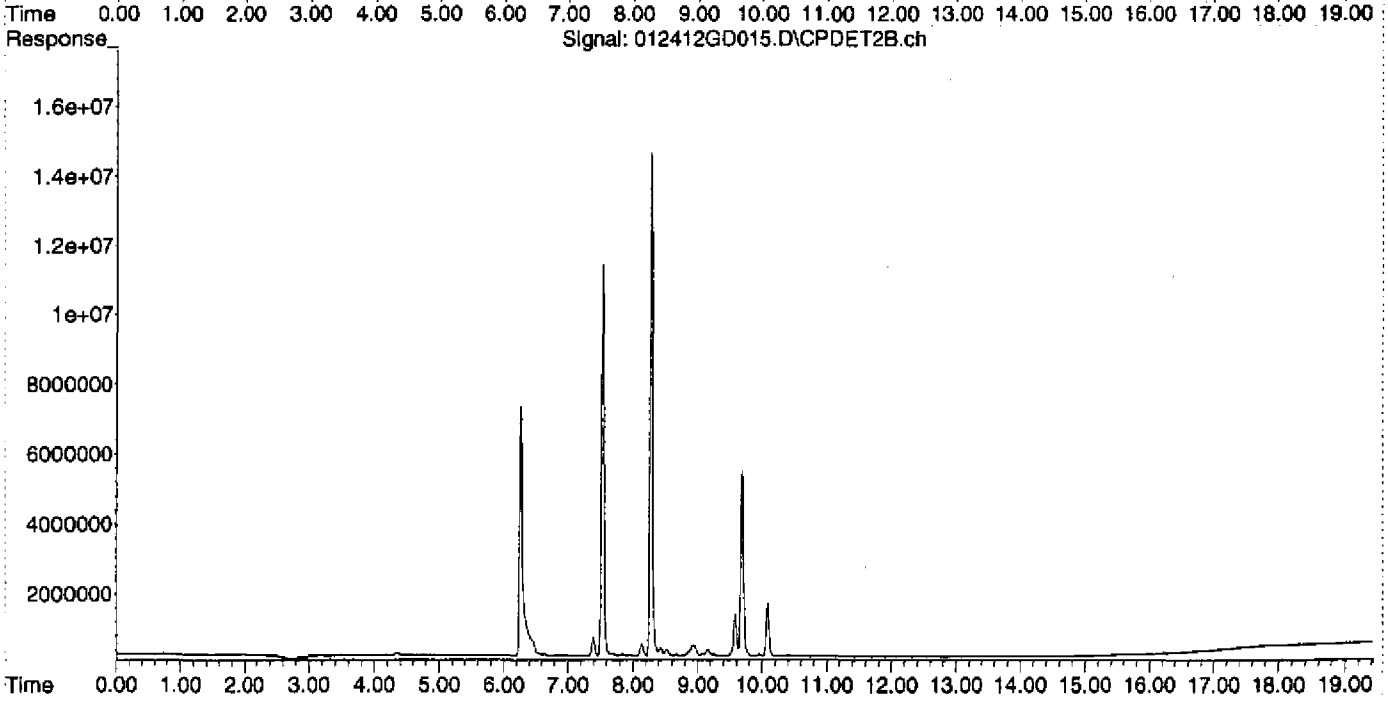
Quantitation Report (Not Reviewed)

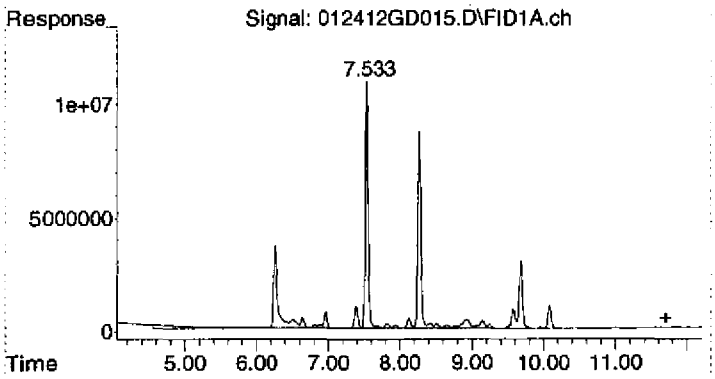
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:37 pm
Operator : YNB
Sample : 2010034-ICB4
Misc : LACQUER, 2A10009, WATER
ALS Vial : 15 Sample Multiplier: 1

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

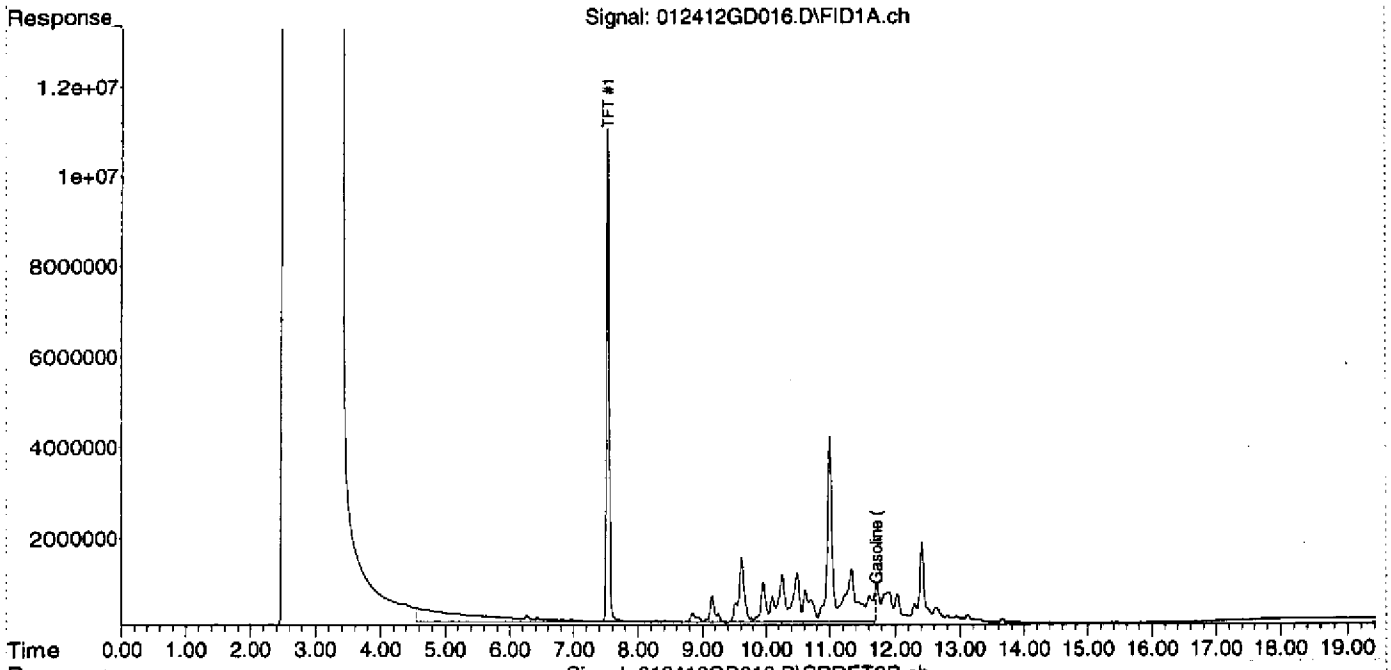
(f)=RT Delta > 1/2 Window (m)=manual int.

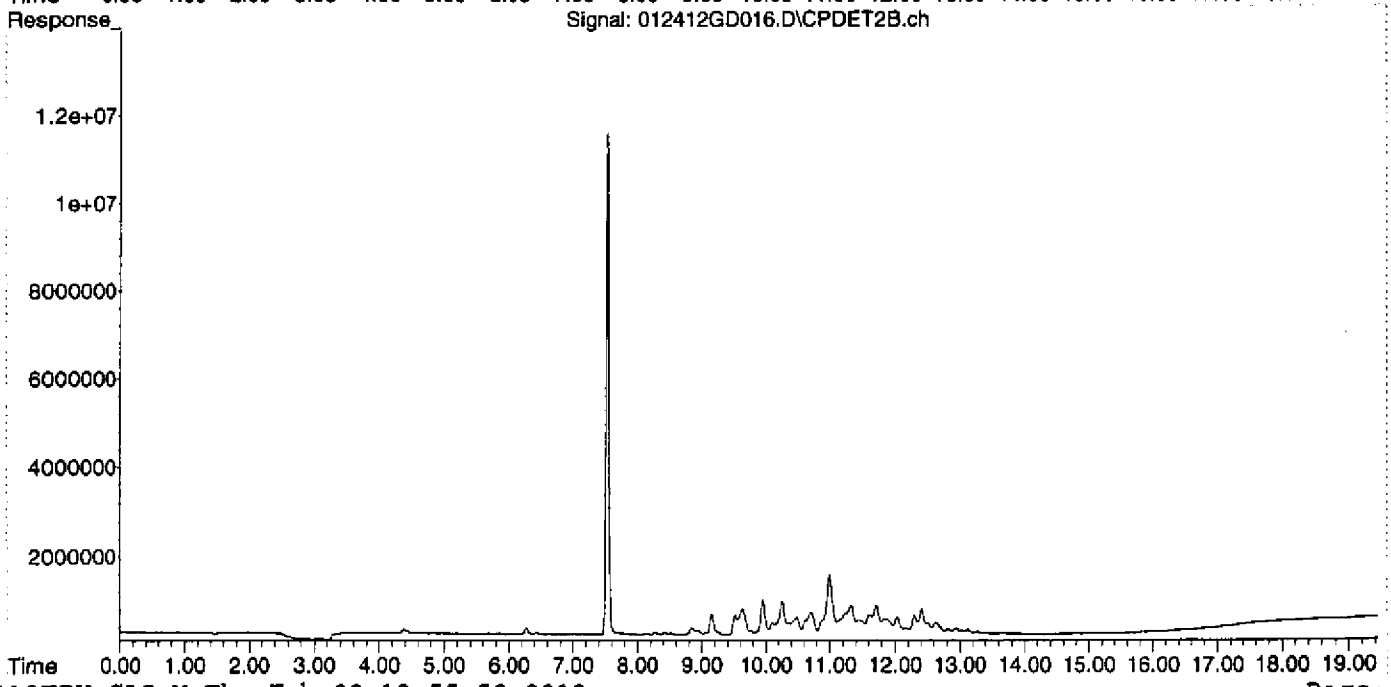
Quantitation Report (Not Reviewed)

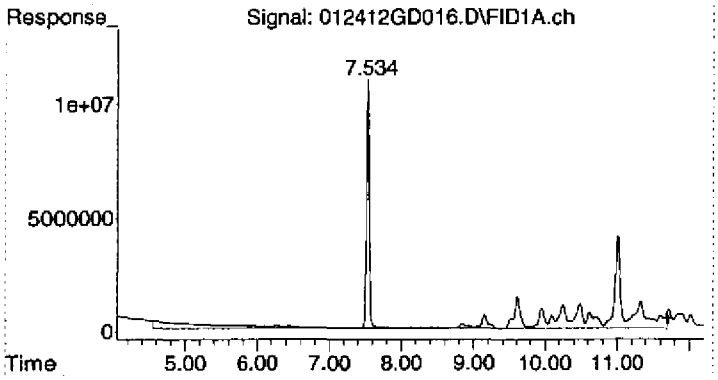
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:05 pm
Operator : YNB
Sample : 2010034-ICB5
Misc : STODDARD, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quantitation Report (Not Reviewed)

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

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

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

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

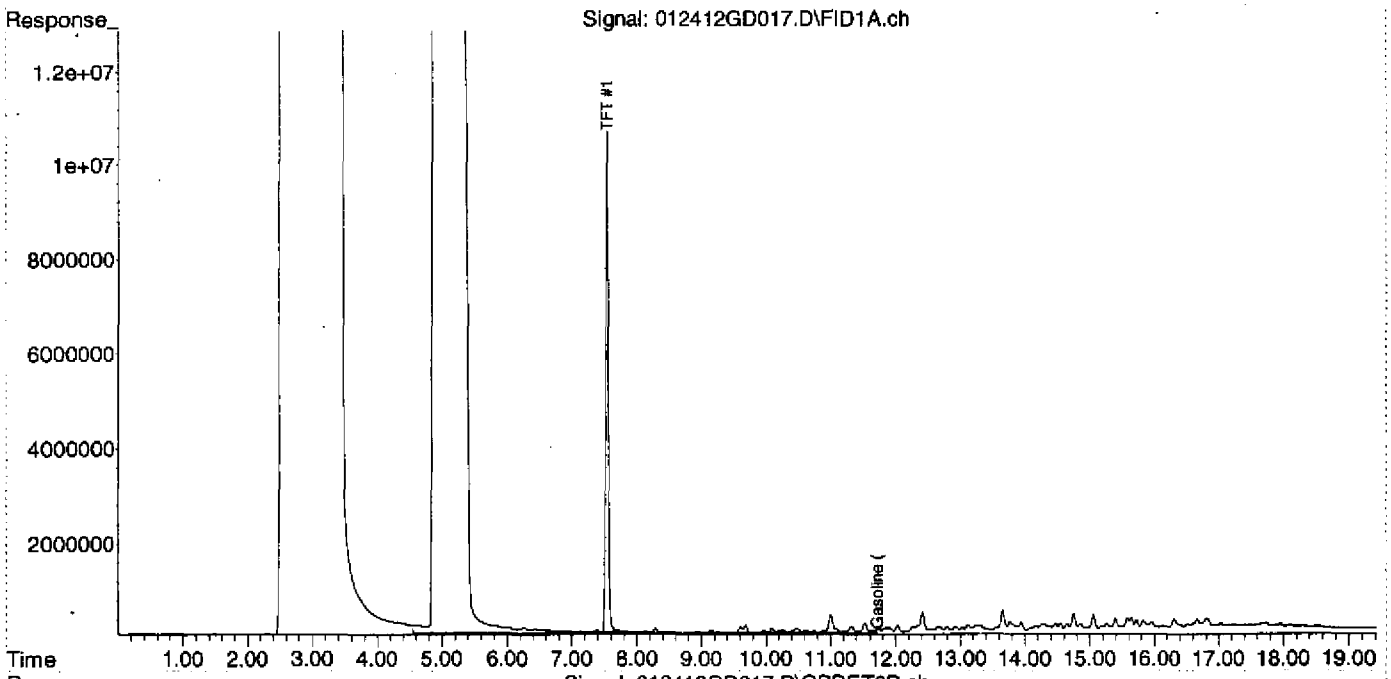
(f)=RT Delta > 1/2 Window (m)=manual int.

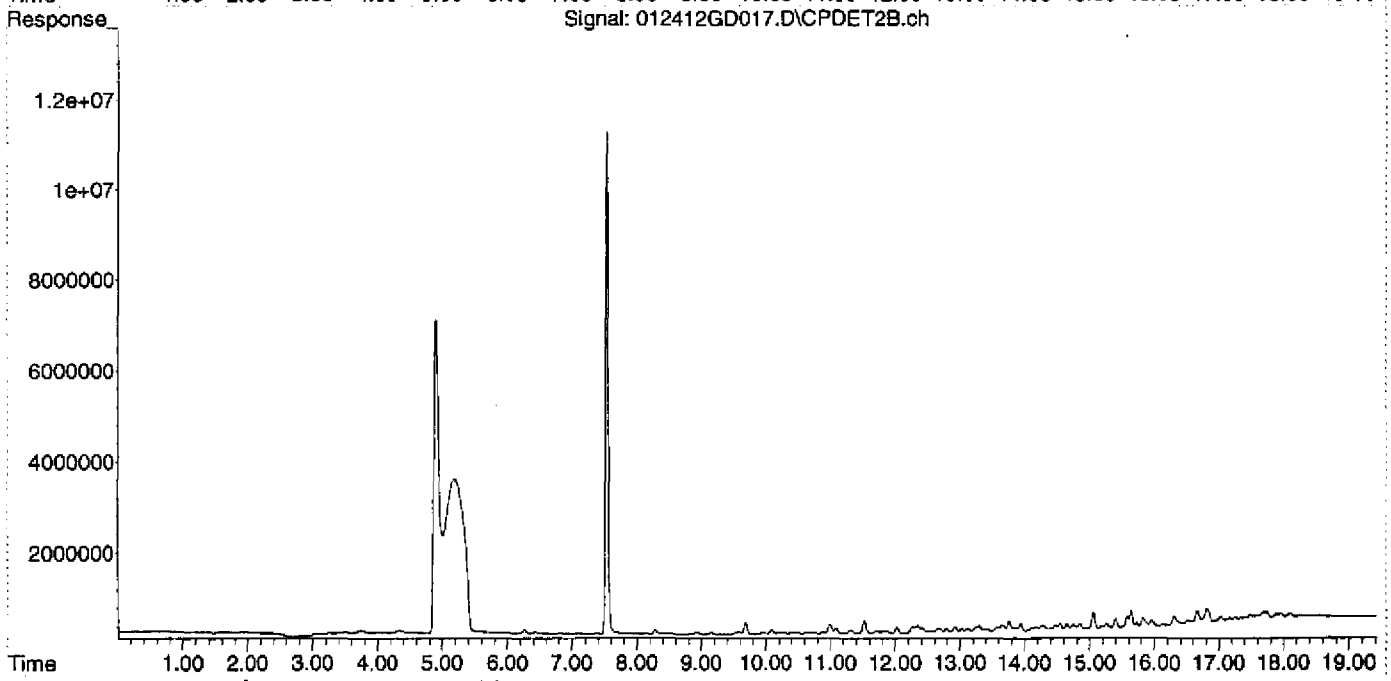
Quantitation Report (Not Reviewed)

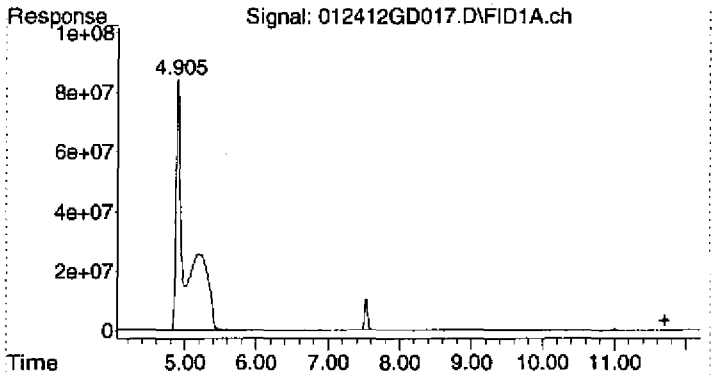
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:33 pm
Operator : YNB
Sample : 2010034-ICB6
Misc : DIESEL, 2A10012, WATER
ALS Vial : 17 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

SDG: R33911 / 12044A
Instrument: AG 5975D
Analysis Date: 02.13.12

SAMPLE DATA

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

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\021312DGAS\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	021312GD001.D	1	2020045-IBL1	2A24003, IB	13 Feb 2012 9:55 am
2	021312GD002.D	1	2020045-CCV1	500ug/L, 1J17001, WATER	13 Feb 2012 10:24 am
3	021312GD003.D	1	2020045-LCV1	50ug/L, 1J17001, WATER	13 Feb 2012 10:52 am
4	021312GD004.D	1	B2B0056-BLK1	BLANK, WATER	13 Feb 2012 11:21 am
5	021312GD005.D	1	B2B0056-BS1	500ug/L, 1J17001, WATER	13 Feb 2012 11:50 am
6	021312GD006.D	1	1202034-15	HW54,C, WATER	13 Feb 2012 12:19 pm
7	021312GD007.D	1	1202034-01	HW49,D, WATER	13 Feb 2012 12:48 pm
8	021312GD008.D	1	1202034-02	HW49-P,D, WATER	13 Feb 2012 1:16 pm
9	021312GD009.D	1	1202034-03	TB35,A, WATER	13 Feb 2012 1:45 pm
10	021312GD010.D	1	1202034-04	FB14,D, WATER	13 Feb 2012 2:13 pm
11	021312GD011.D	1	1202034-05	HW44,H, WATER	13 Feb 2012 2:42 pm
12	021312GD012.D	1	B2B0056-MS1	HW44,G, WATER SPIKE	13 Feb 2012 3:10 pm
13	021312GD013.D	1	B2B0056-MSD1	HW44,J, WATER SPIKE	13 Feb 2012 3:38 pm
14	021312GD014.D	1	1202034-06	TB36,A, WATER	13 Feb 2012 4:10 pm
15	021312GD015.D	1	1202034-07	FB15,C, WATER	13 Feb 2012 4:39 pm
16	021312GD016.D	1	1202034-08	HW36n,C, WATER	13 Feb 2012 5:07 pm
17	021312GD017.D	1	BLANK	BLANK, WATER	13 Feb 2012 5:35 pm
18	021312GD018.D	1	2020045-CCV2	500ug/L, 1J17001, WATER	13 Feb 2012 6:05 pm
19	021312GD019.D	1	2020045-CCV3	500ug/L, 1J17001, WATER	13 Feb 2012 6:33 pm
20	021312GD020.D	1	1202034-09	HW36n-P,C, WATER	13 Feb 2012 7:01 pm
21	021312GD021.D	1	B2B0056-MS2	HW36n-P,D, WATER SPIKE	13 Feb 2012 7:30 pm
22	021312GD022.D	1	B2B0056-MSD2	HW36n-P,F, WATER SPIKE	13 Feb 2012 7:58 pm
23	021312GD023.D	1	1202034-10	TB37,A, WATER	13 Feb 2012 8:27 pm
24	021312GD024.D	1	1202034-11	HW16,C, WATER	13 Feb 2012 8:56 pm
25	021312GD025.D	1	1202034-12	HW16-P,C, WATER	13 Feb 2012 9:24 pm
26	021312GD026.D	1	1202034-13	HW16z,C, WATER	13 Feb 2012 9:52 pm
27	021312GD027.D	1	1202034-14	TB38,A, WATER	13 Feb 2012 10:20 pm
28	021312GD028.D	1	1202034-16	NW54-P,C, WATER	13 Feb 2012 10:48 pm
29	021312GD029.D	1	1202034-17	TB39,A, WATER	13 Feb 2012 11:17 pm
30	021312GD030.D	1	2020045-SB1	SB 01/03/12, WATER	13 Feb 2012 11:45 pm
31	021312GD031.D	1	BLANK	BLANK, WATER	14 Feb 2012 12:14 am
32	021312GD032.D	1	2020045-CCV4	500ug/L, 1J17001, WATER	14 Feb 2012 12:43 am
33	021312GD033.D	1	2020045-CCV5	500ug/L, 1J17001, WATER	14 Feb 2012 1:11 am

GC QA-QC Check Report

Daily Calibration File : D:\MSDCHEM\2012\data\021312DGAS\021312GD002.D
Time Acquired : 13 Feb 2012 10:24

File	Sample	Surrogate Recovery %	Internal Standard Responses
021312GD004.D	B2B0056-BLK1	112	
021312GD005.D	B2B0056-BS1	118	
021312GD006.D	1202034-15	113	
021312GD007.D	1202034-01	113	
021312GD008.D	1202034-02	114	
021312GD009.D	1202034-03	112	
021312GD010.D	1202034-04	112	
021312GD011.D	1202034-05	114	
021312GD012.D	B2B0056-MS1	116	
021312GD013.D	B2B0056-MSD1	115	
021312GD014.D	1202034-06	116	
021312GD015.D	1202034-07	110	
021312GD016.D	1202034-08	114	

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

Created: Tue Feb 14 09:04:46 2012 GC-FID-PID

GC QA-QC Check Report

Daily Calibration File : D:\MSDCHEM\2012\data\021312DGAS\021312GD019.D
Time Acquired : 13 Feb 2012 18:33

File	Sample	Surrogate Recovery %	Internal Standard Responses
021312GD020.D	1202034-09	113	
021312GD021.D	B2B0056-MS2	109	
021312GD022.D	B2B0056-MSD2	111	
021312GD023.D	1202034-10	107	
021312GD024.D	1202034-11	109	
021312GD025.D	1202034-12	110	
021312GD026.D	1202034-13	108	
021312GD027.D	1202034-14	113	
021312GD028.D	1202034-16	113	
021312GD029.D	1202034-17	112	
021312GD030.D	2020045-SB1	111	

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

Created: Tue Feb 14 09:05:47 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\021312DGAS\
Data File : 021312GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 9:55
Operator : YNB
Sample : 2020045-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 13 10:55:23 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 : AG5975D Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.522	344283400	143.211 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 114.57%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	43844500	19.692 ug/L

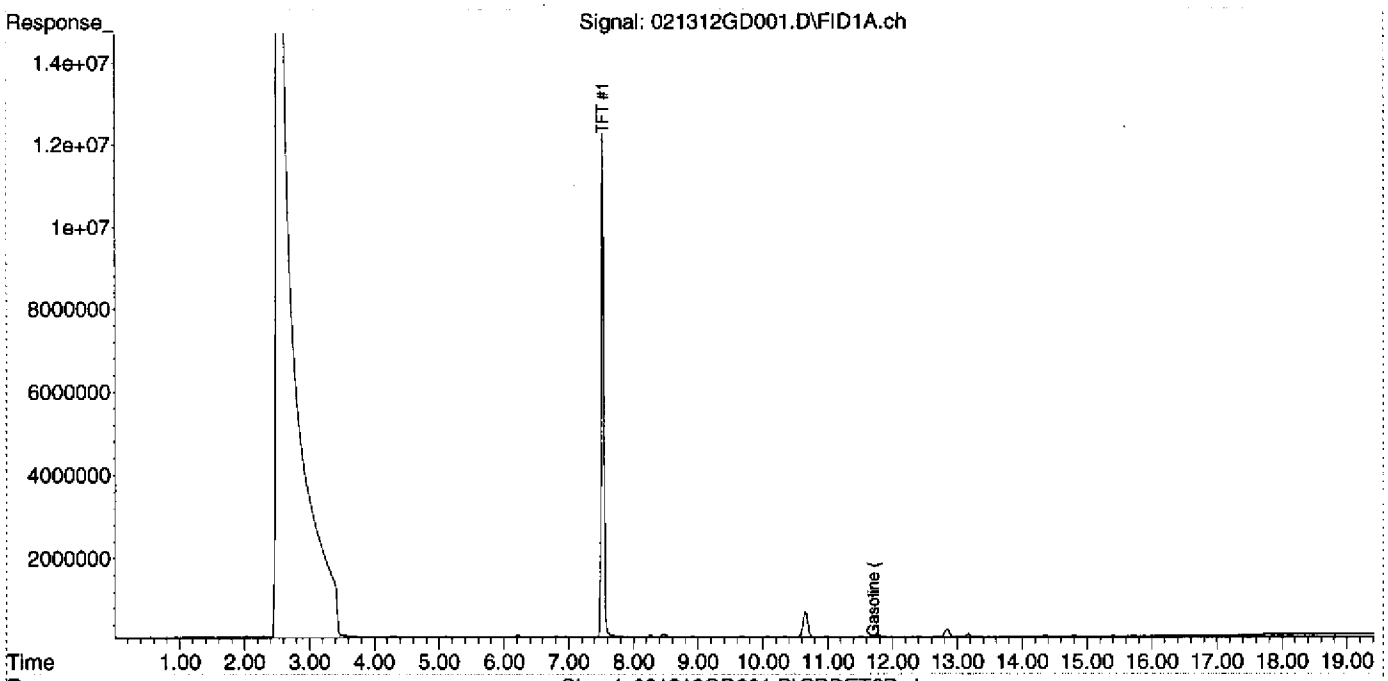
(f)=RT Delta > 1/2 Window (m)=manual int.

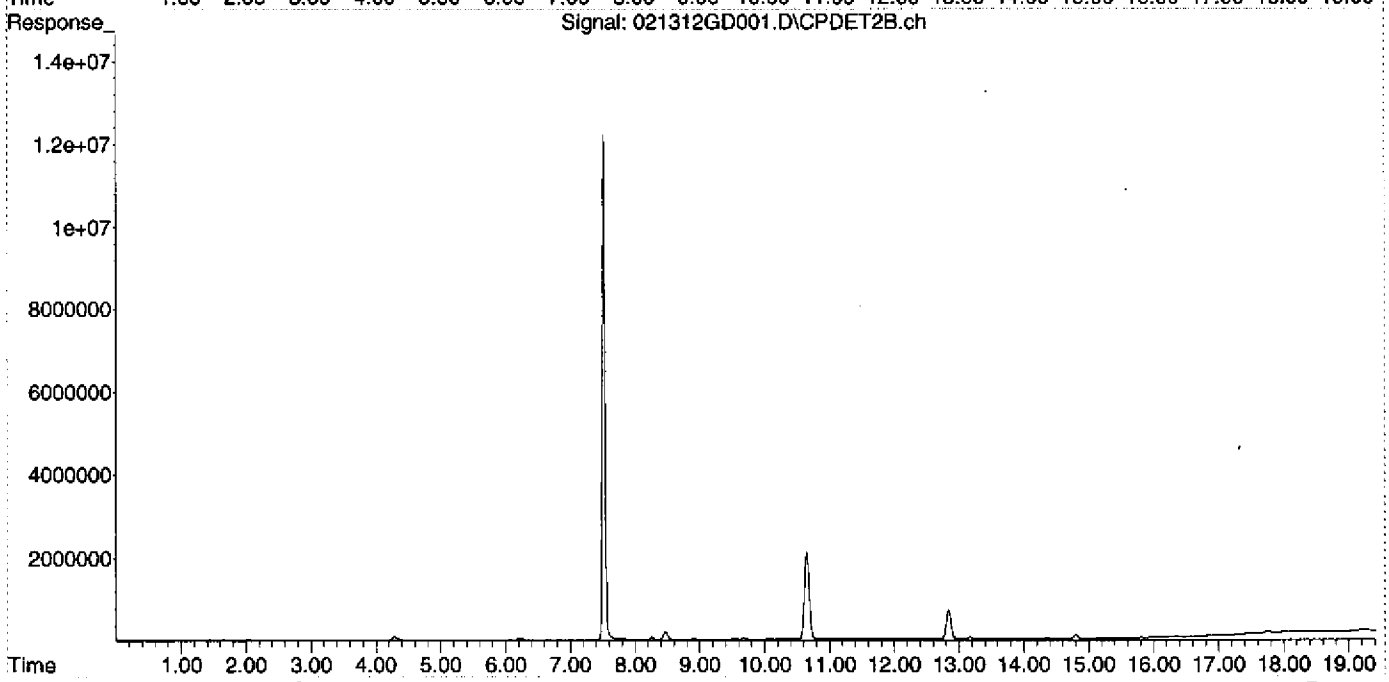
Quantitation Report (Not Reviewed)

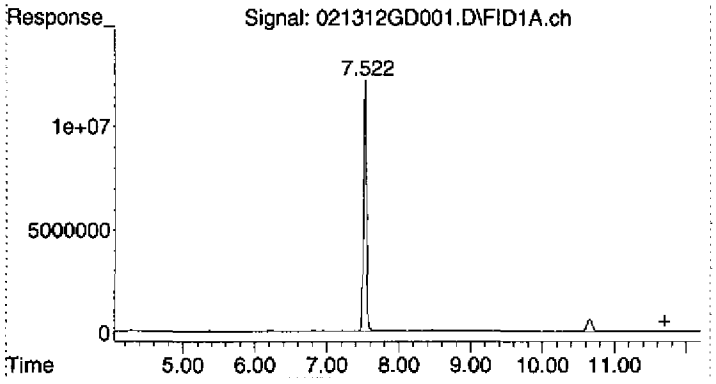
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 9:55
Operator : YNB
Sample : 2020045-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 10:55:23 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 : AG5975D
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: 43844500
Conc: 19.69 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 10:24
Operator : YNB
Sample : 2020045-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 13 10:55:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	2.368 E6	-6.4	101	0.00
2	S TFT #1	2.404	2.756 E6	-14.6	115	0.00

Evaluate Continuing Calibration Report - Not Founds

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

≤ 20%
YNB
02.13.12

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 10:24
Operator : YNB
Sample : 2020045-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 13 10:55:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	344532316	143.314 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 114.65%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1184189560	531.868 ug/L

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

$\frac{344532316}{2404000} = 143.316$

115%

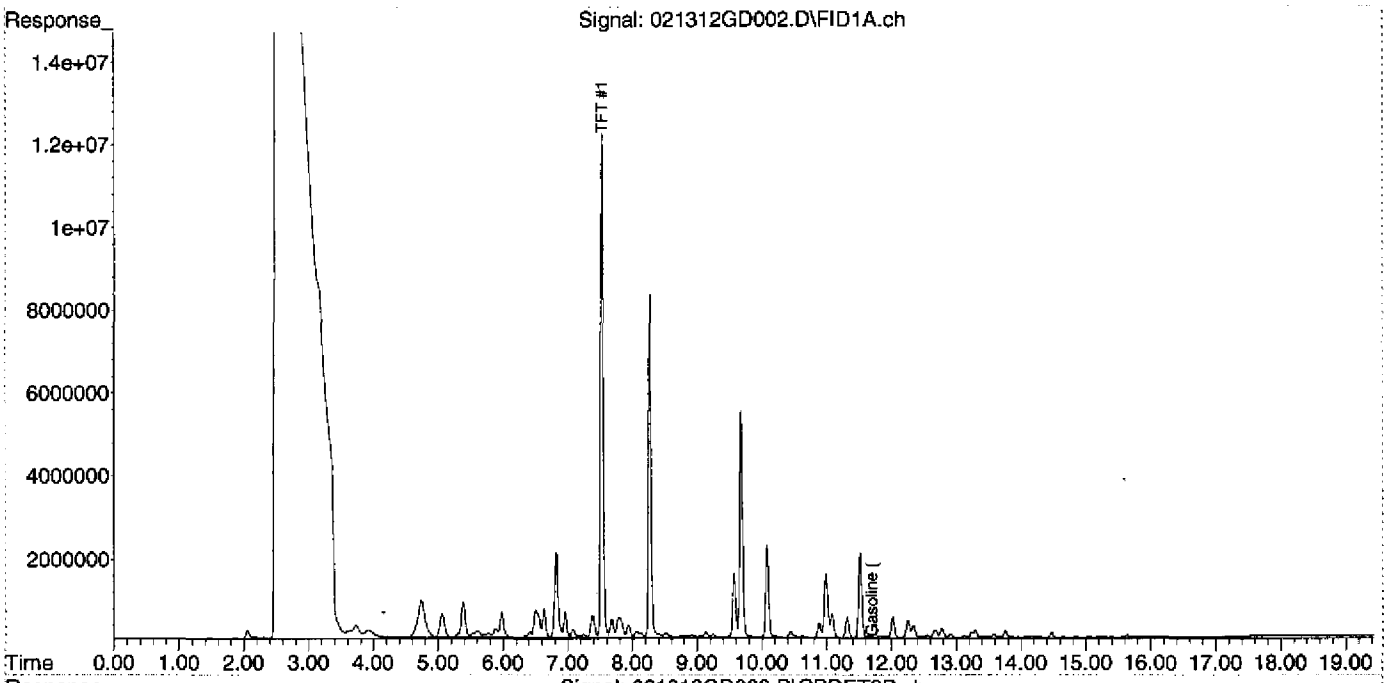
YNB 02.13.12

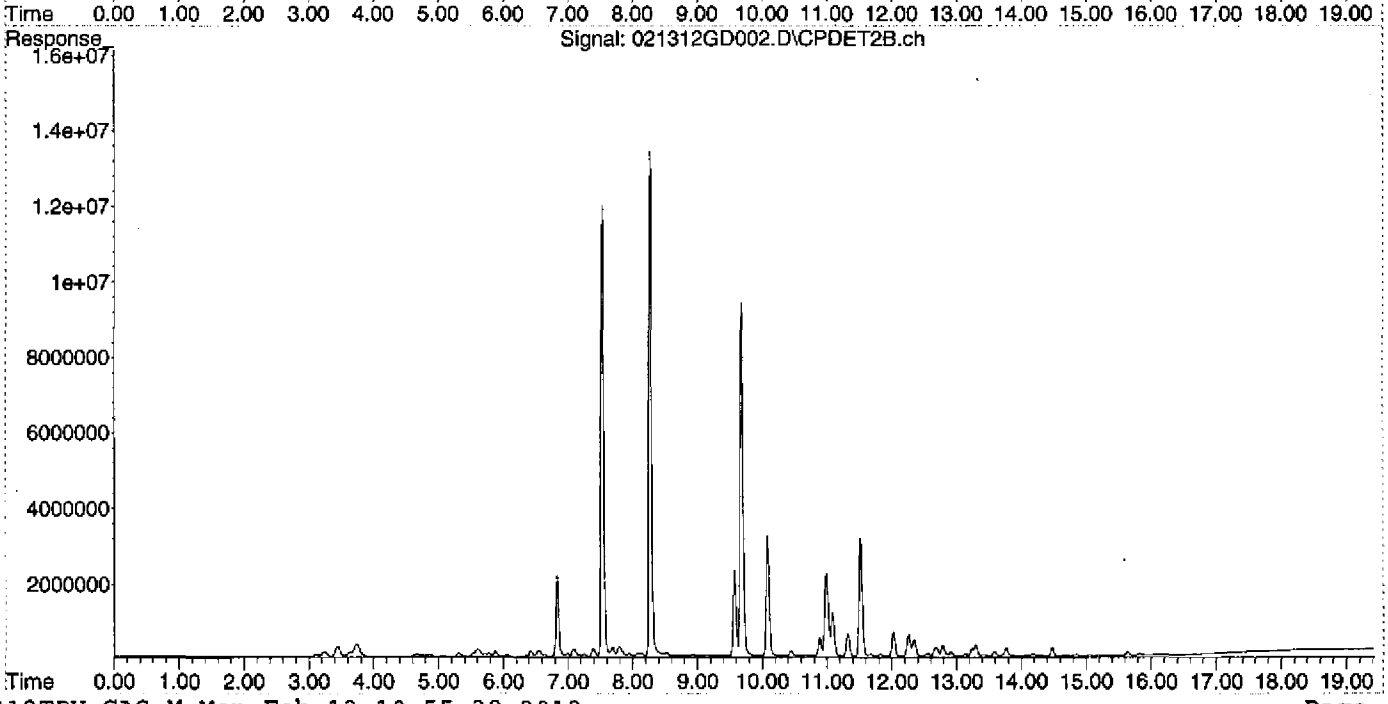
Quantitation Report (Not Reviewed)

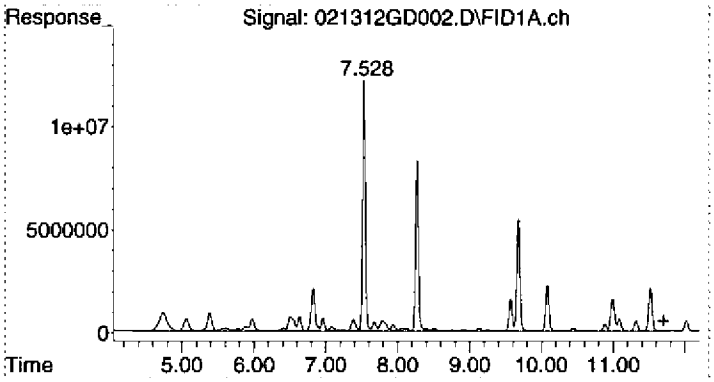
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 10:24
Operator : YNB
Sample : 2020045-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 10:55:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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: 1184189560
Conc: 531.87 ug/L

Data File Name 021312GD003.D
Operator YNB
Sample Name 2020045-LCV1
Date Acquired
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVER	STATUS
1)	Gasoline (TPH) #1	ug/L	50	50.20	60	140	100.40%	PASS
2)	TFT #1	ug/L	125	132.66	76	121	106.13%	PASS

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 10:52
Operator : YNB
Sample : 2020045-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 13 11:42:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	318929459	132.664 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 106.13%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	111770296	50.201 ug/L

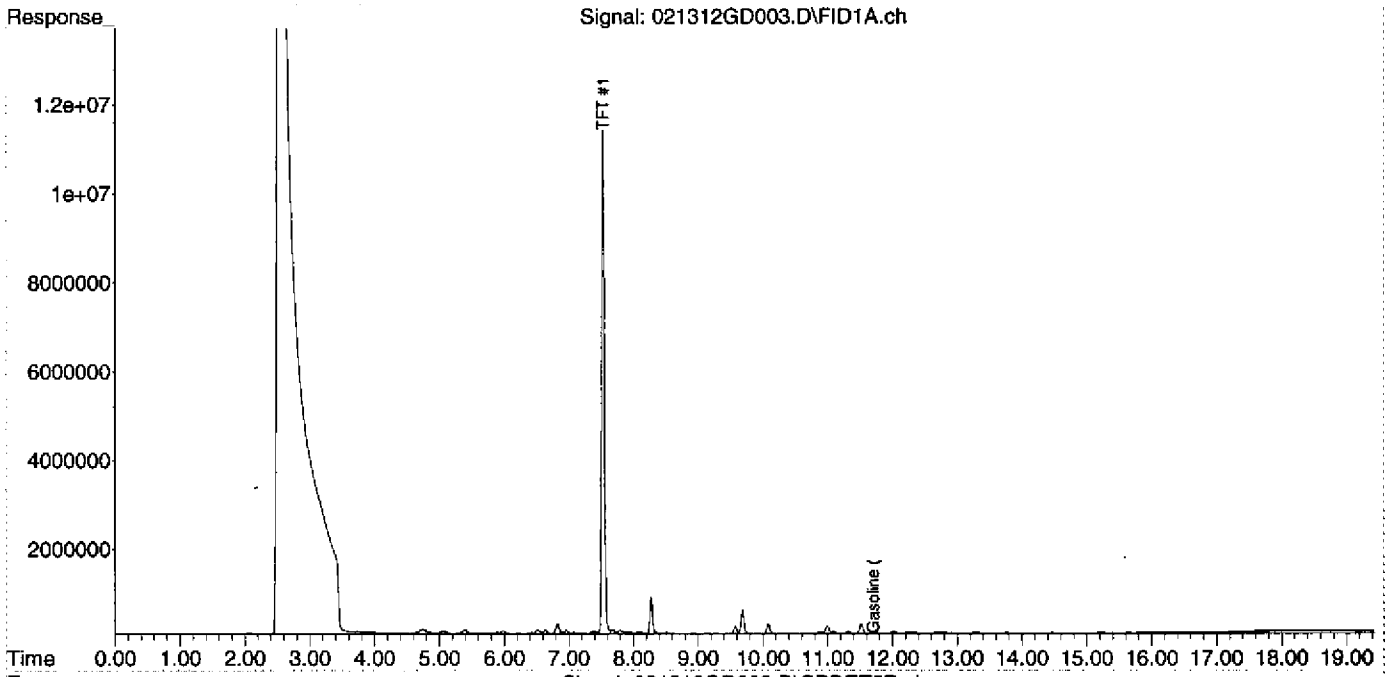
(f)=RT Delta > 1/2 Window (m)=manual int.

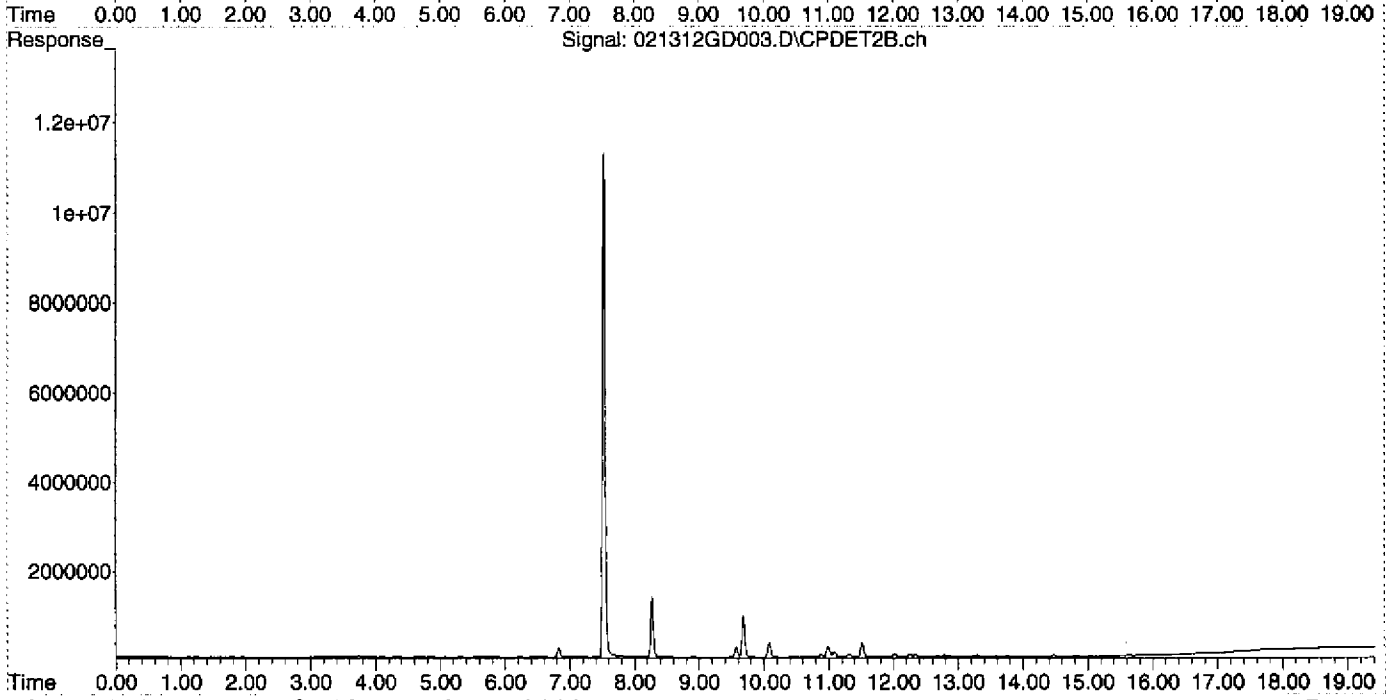
Quantitation Report (Not Reviewed)

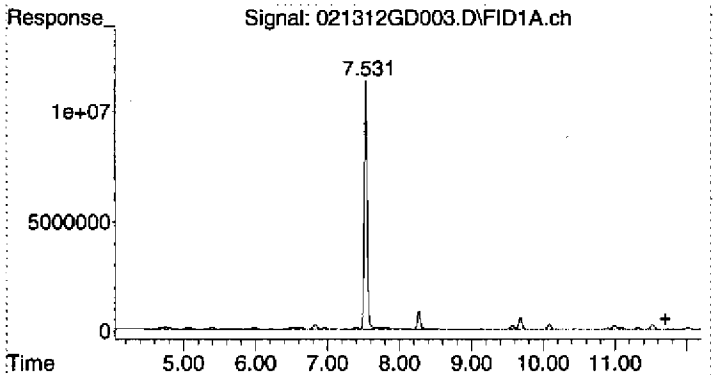
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 10:52
Operator : YNB
Sample : 2020045-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 11:42:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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: 111770296
Conc: 50.20 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 11:21
Operator : YNB
Sample : B2B0056-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 13 11:43:13 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 : AG5975D 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	336222256	139.858 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 111.89%	
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

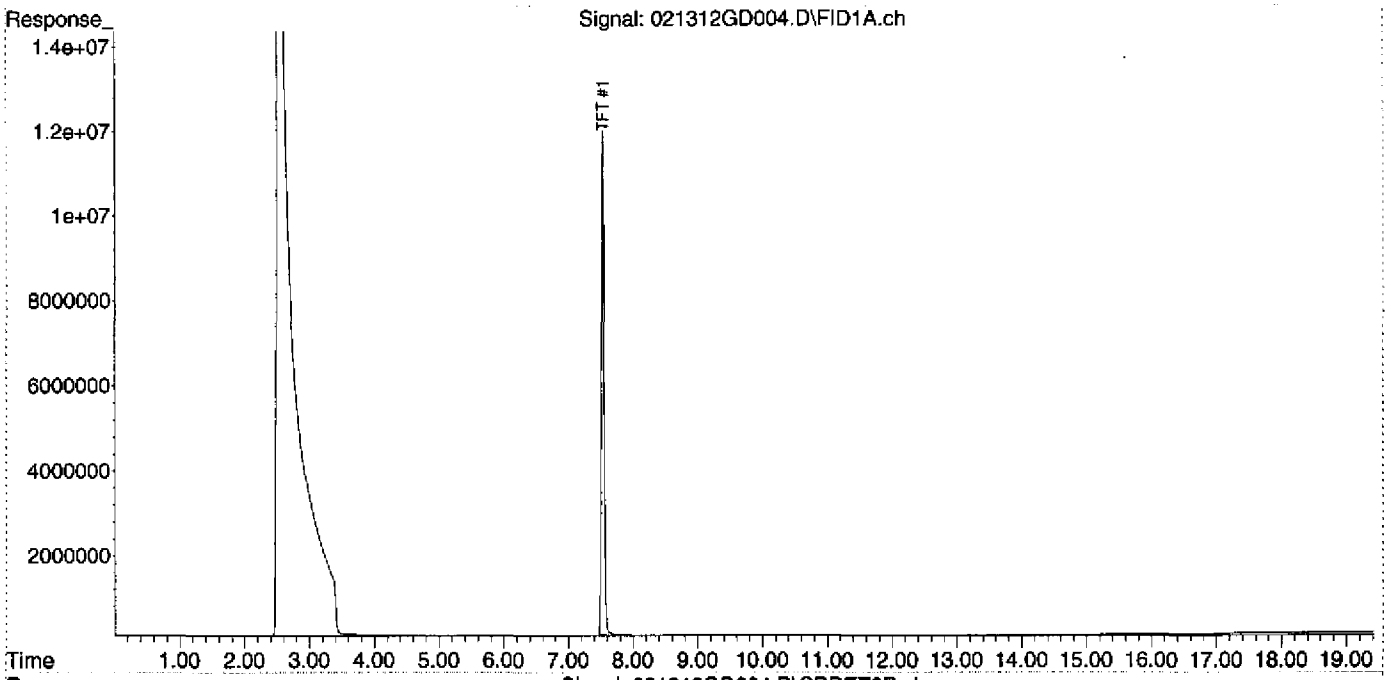
(f)=RT Delta > 1/2 Window (m)=manual int.

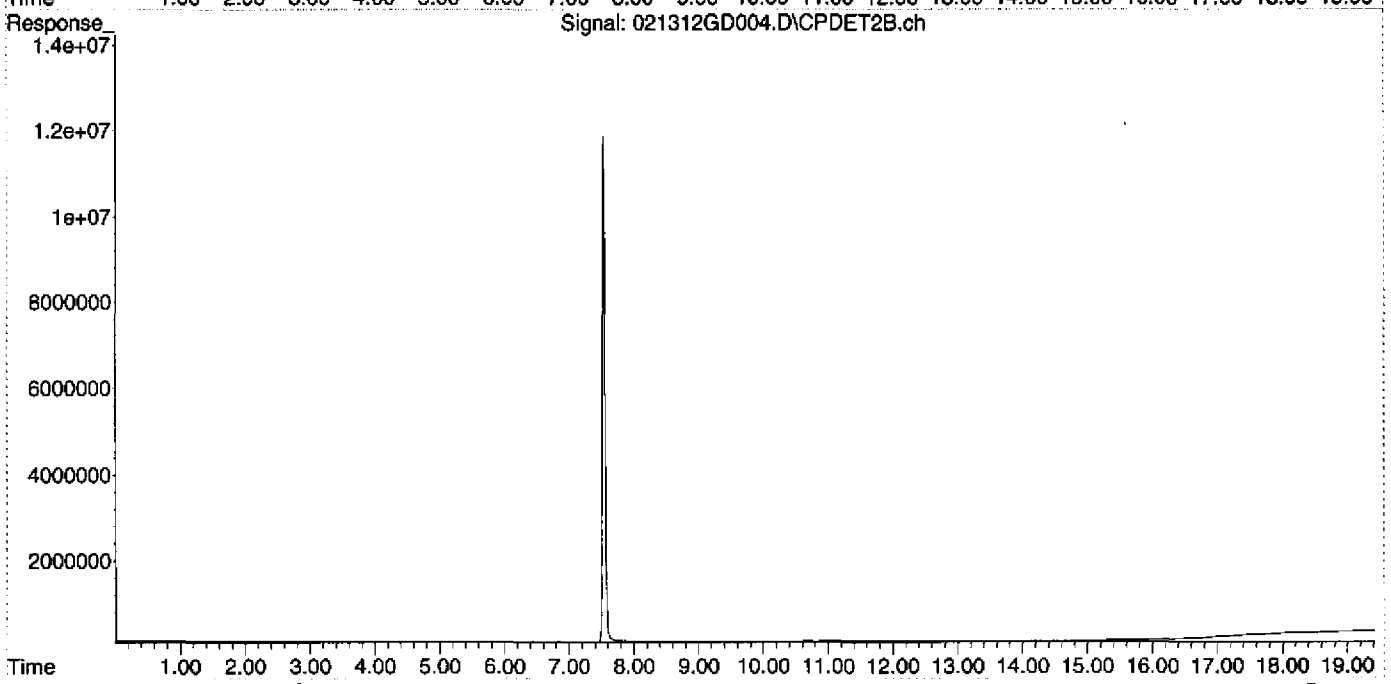
Quantitation Report (Not Reviewed)

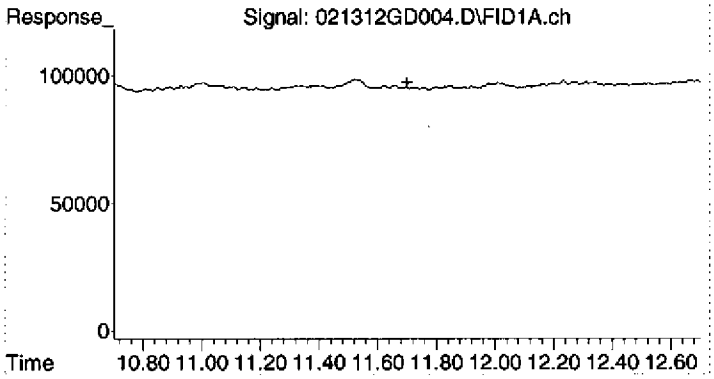
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 11:21
Operator : YNB
Sample : B2B0056-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 11:43:13 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 : AG5975D 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.

Operator YNB
Sample Name B2B0056-BS1
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVER	STATUS
1)	Gasoline (TPH) #1	ug/L	500	518.76	75	114	104%	PASS
2)	TFT #1	ug/L	125	147.03	76	121	118%	PASS

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 11:50
Operator : YNB
Sample : B2B0056-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 13 12:16:05 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 : AG5975D 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	353466219	147.031 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 117.62%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1155008566	518.762 ug/L

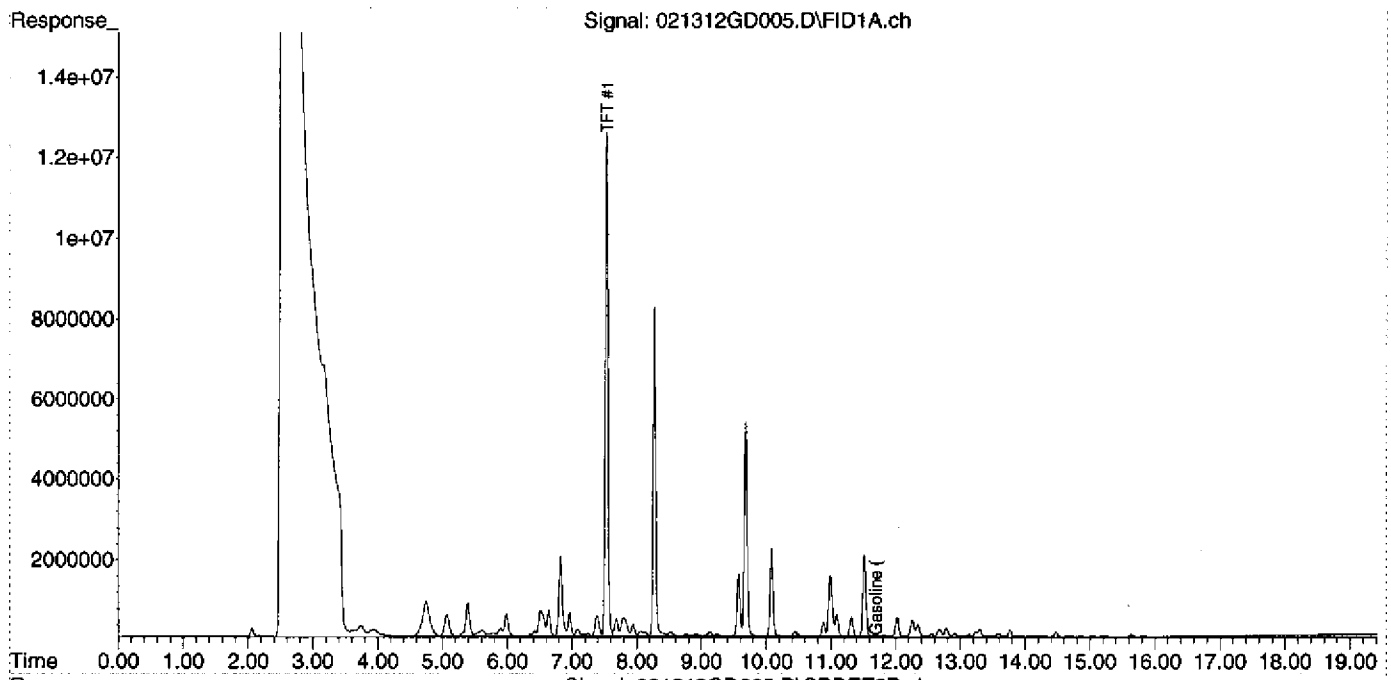
(f)=RT Delta > 1/2 Window (m)=manual int.

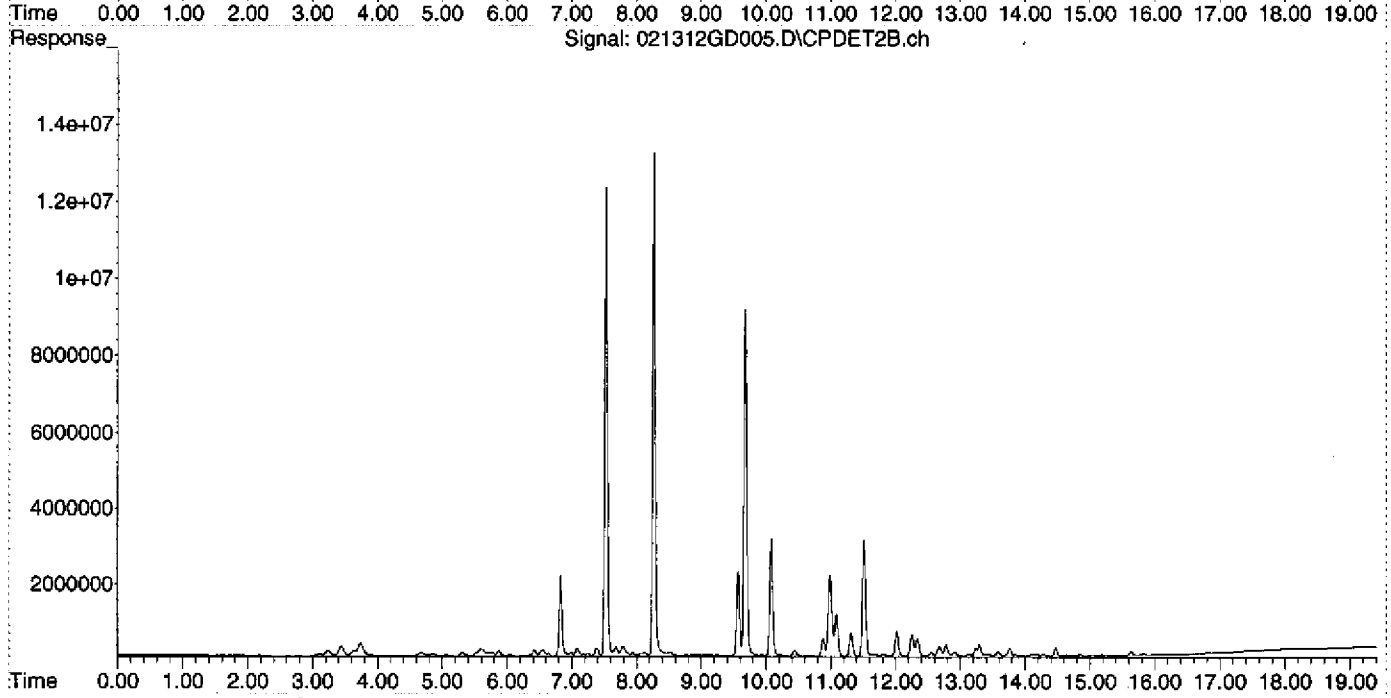
Quantitation Report (Not Reviewed)

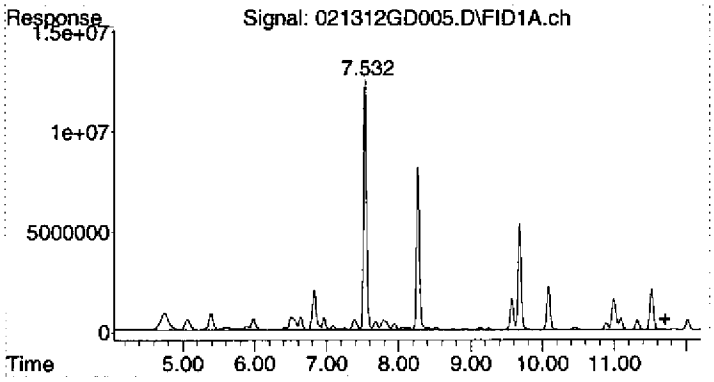
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 11:50
Operator : YNB
Sample : B2B0056-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 12:16:05 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 : AG5975D 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: 1155008566
Conc: 518.76 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 12:19
Operator : YNB
Sample : 1202034-15
Misc : HW54,C, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 12:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	338270233	140.710 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 112.57%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	407414	0.183 ug/L

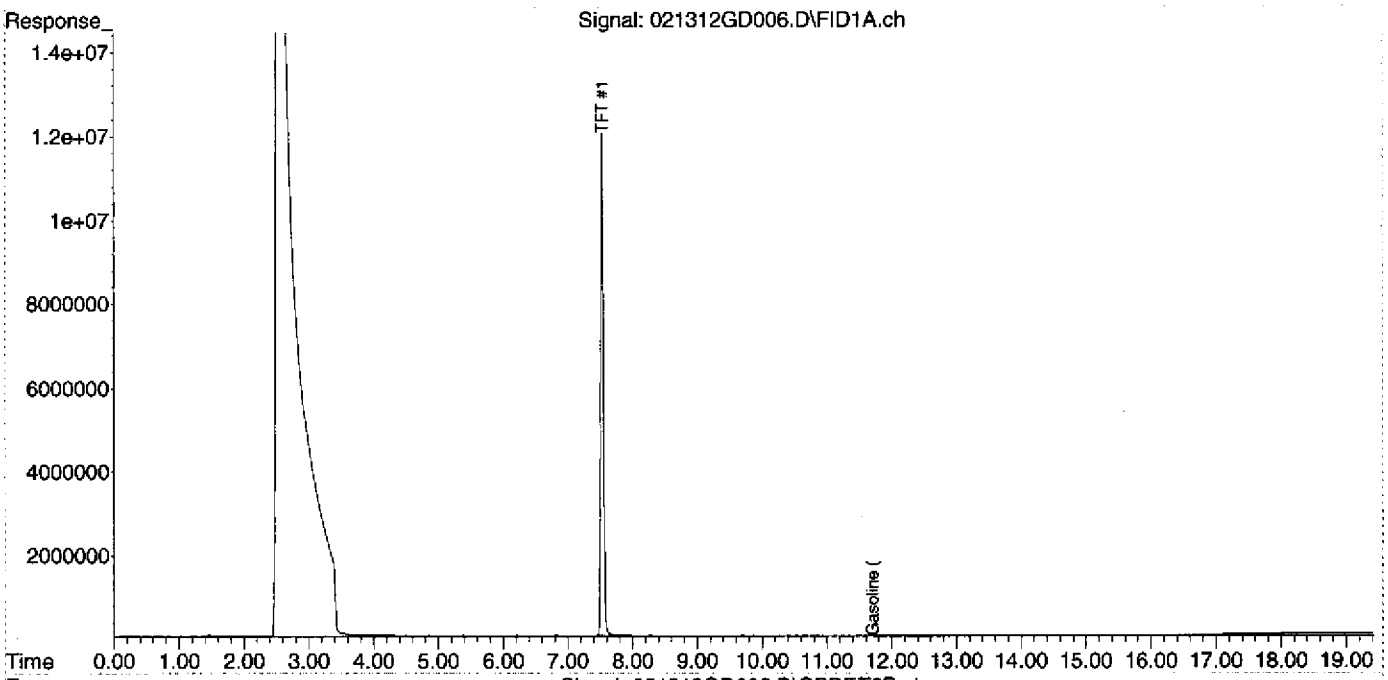
(f)=RT Delta > 1/2 Window (m)=manual int.

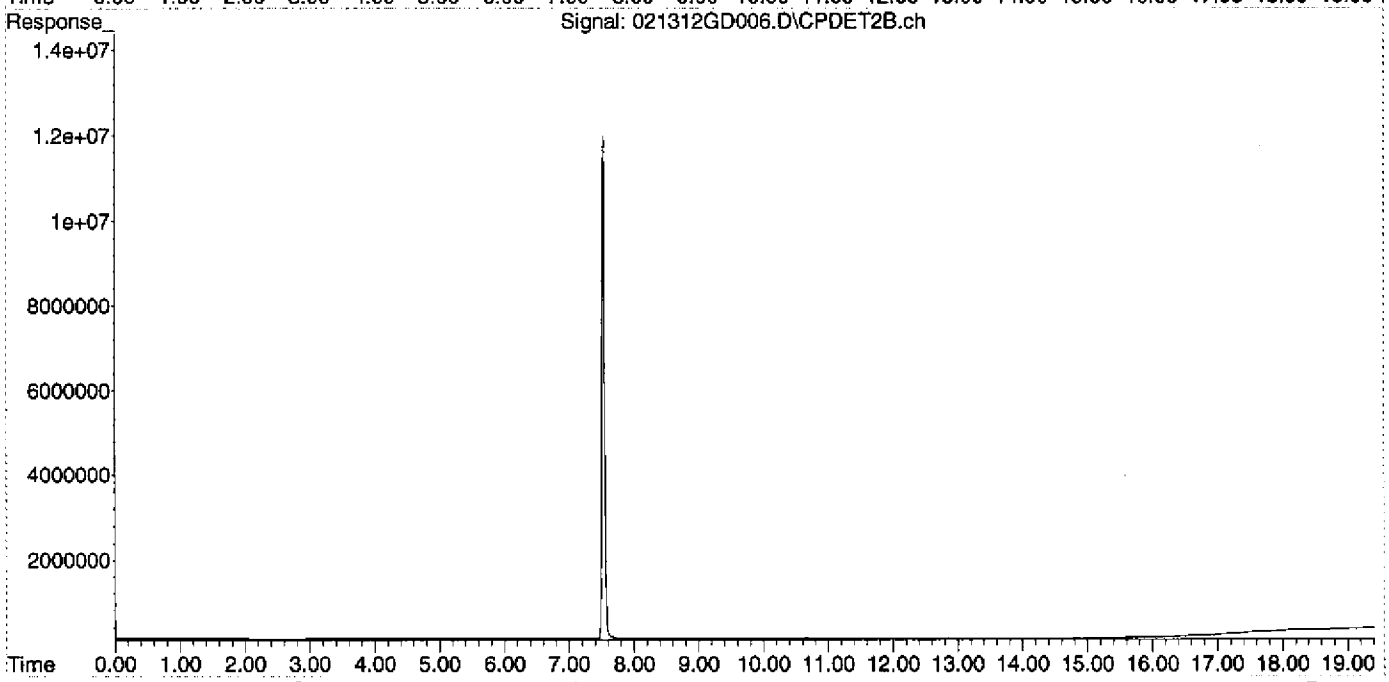
Quantitation Report (Not Reviewed)

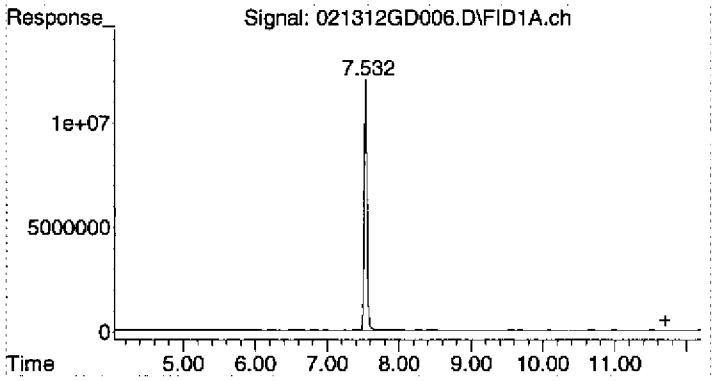
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 12:19
Operator : YNB
Sample : 1202034-15
Misc : HW54,C, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 12:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	407414
Conc:	0.18 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 12:48
Operator : YNB
Sample : 1202034-01
Misc : HW49,D, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 13:37:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	339229968	141.109 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 112.89%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	501477	0.225 ug/L

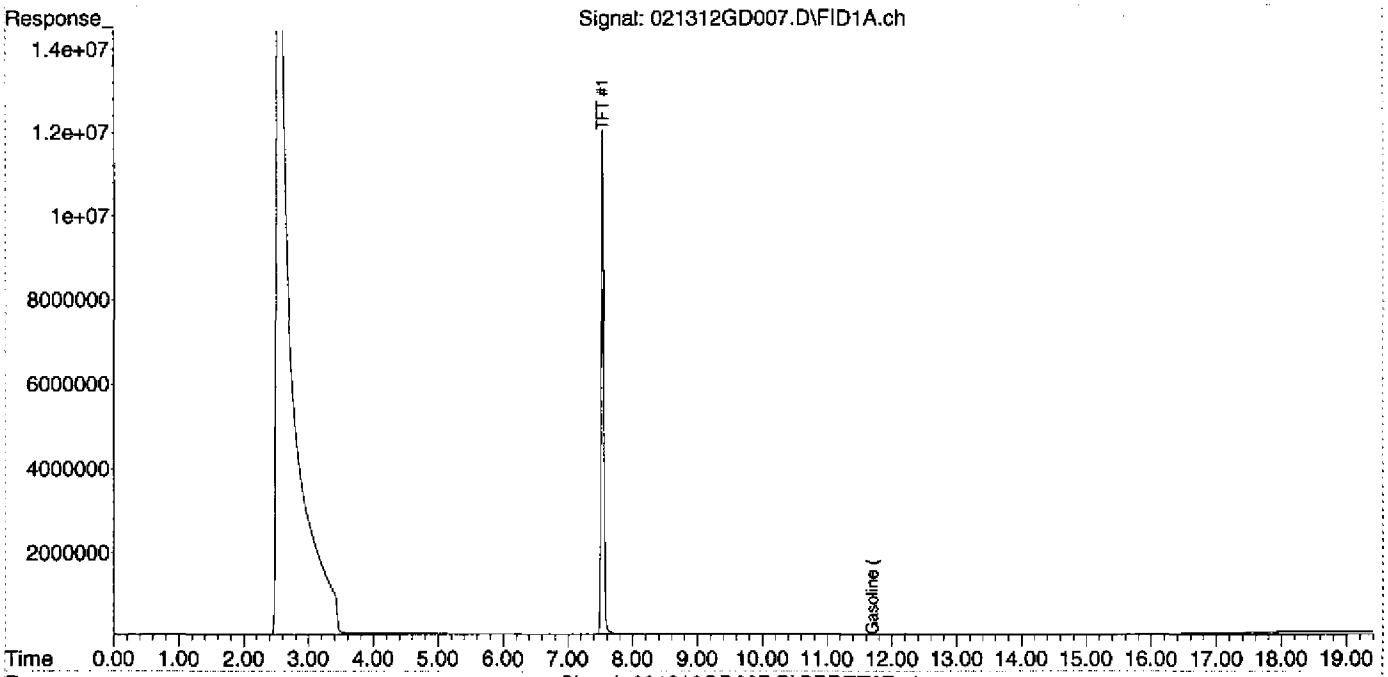
(f)=RT Delta > 1/2 Window (m)=manual int.

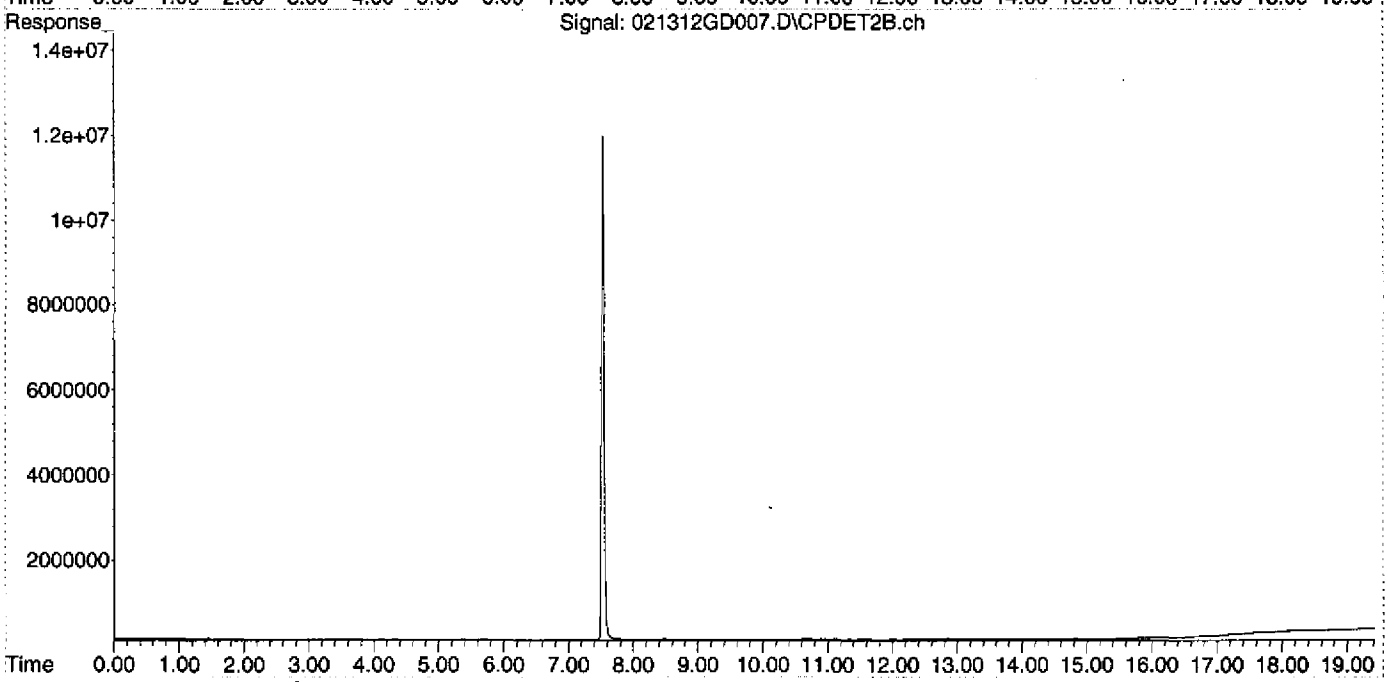
Quantitation Report (Not Reviewed)

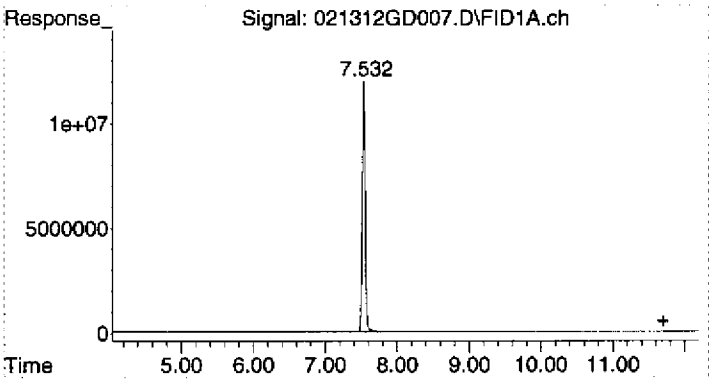
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 12:48
Operator : YNB
Sample : 1202034-01
Misc : HW49,D, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 13:37:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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:	501477
Conc:	0.23 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 13:16
Operator : YNB
Sample : 1202034-02
Misc : HW49-P,D, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 13:37:20 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 : AG5975D 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	343750892	142.989 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 114.39%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1029317	0.462 ug/L

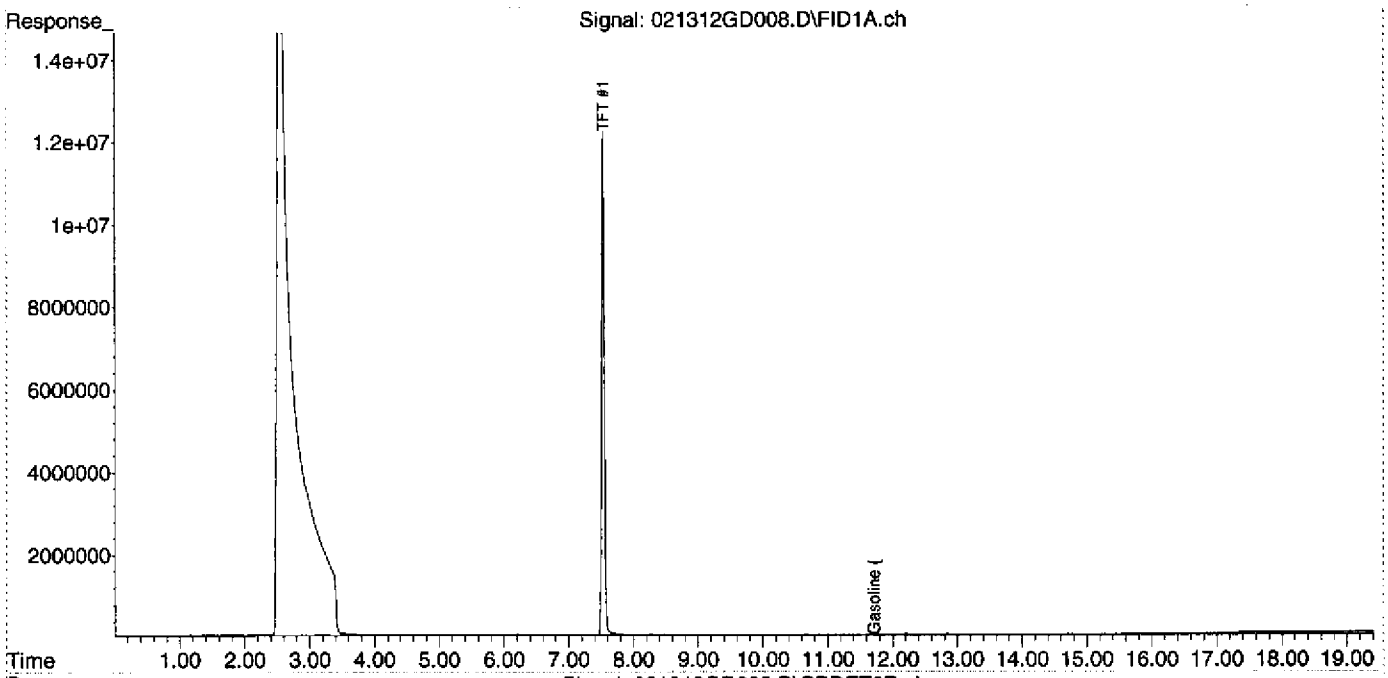
(f)=RT Delta > 1/2 Window (m)=manual int.

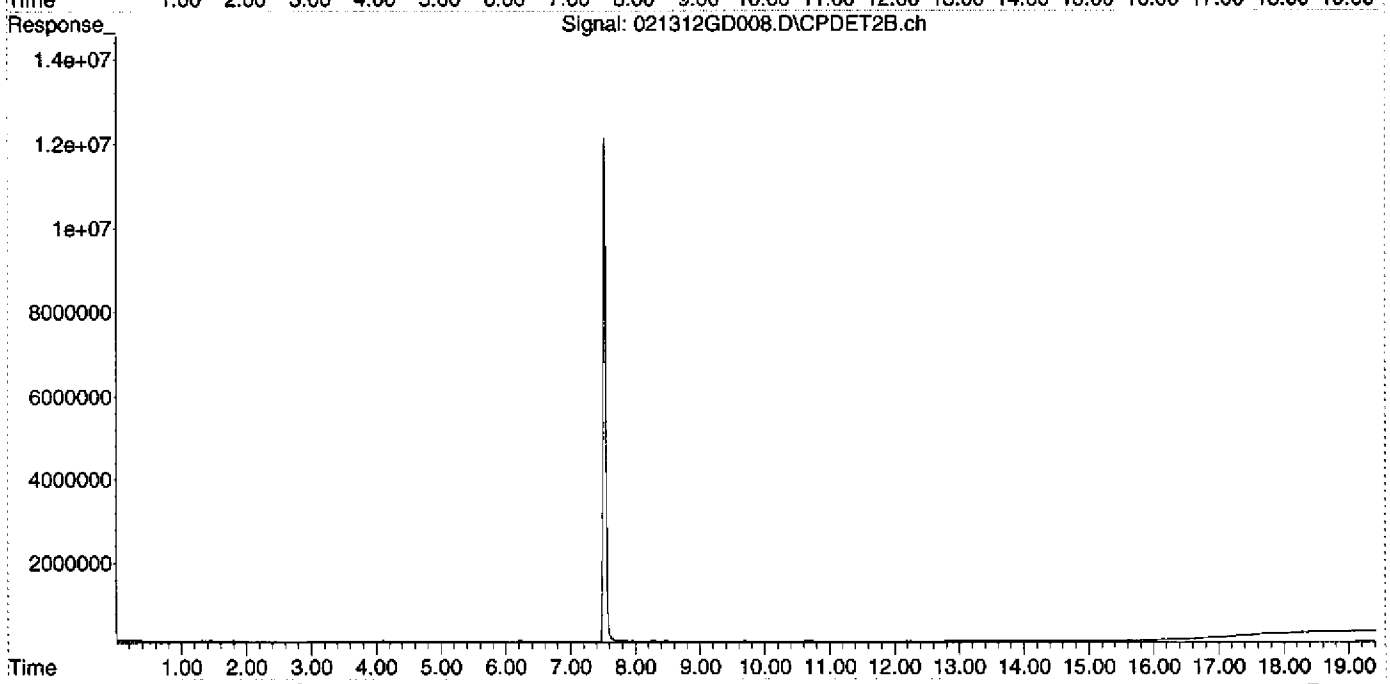
Quantitation Report (Not Reviewed)

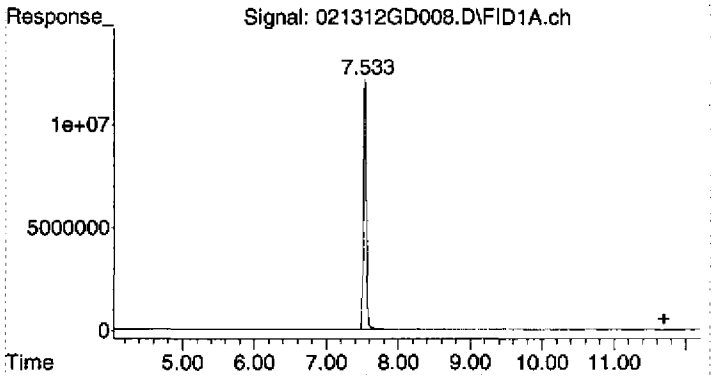
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 13:16
Operator : YNB
Sample : 1202034-02
Misc : HW49-P,D, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 13 13:37:20 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 : AG5975D 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:	1029317
Conc:	0.46 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 13:45
Operator : YNB
Sample : 1202034-03
Misc : TB35,A, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:25 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 : AG5975D 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	337202923	140.266 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 112.21%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	3052012	1.371 ug/L

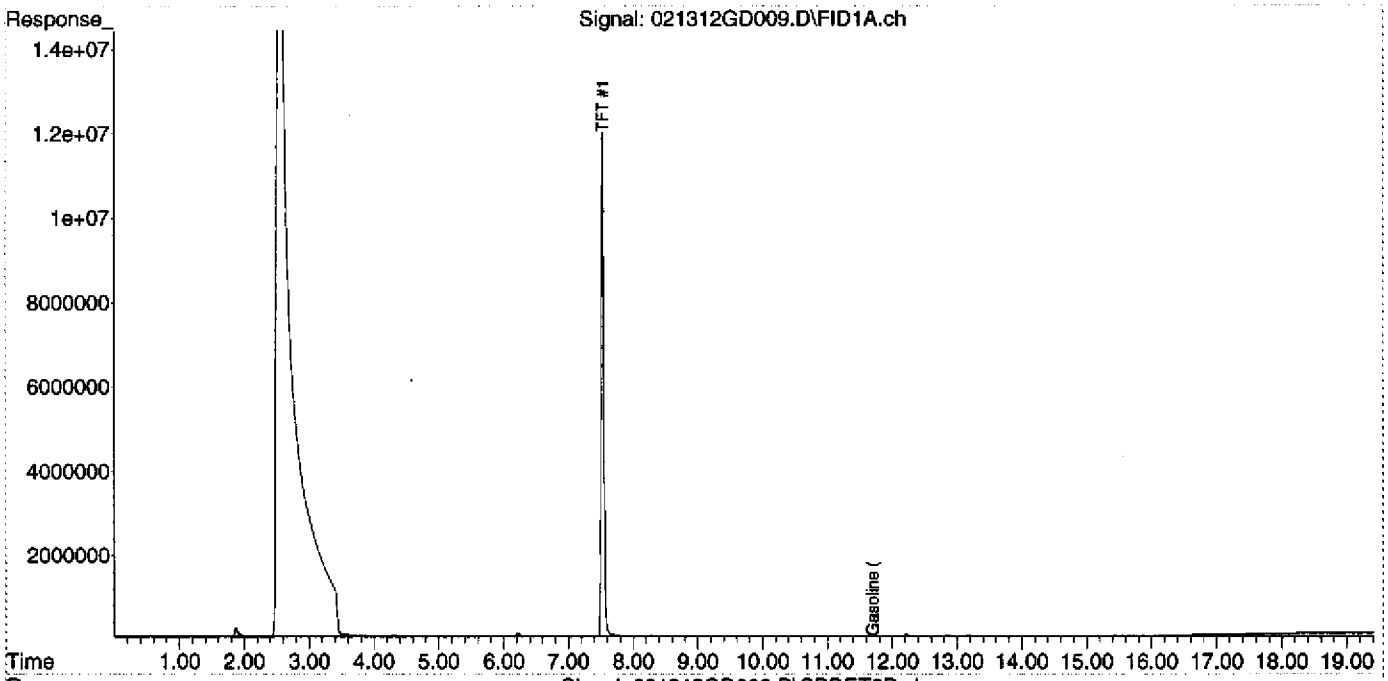
(f)=RT Delta > 1/2 Window (m)=manual int.

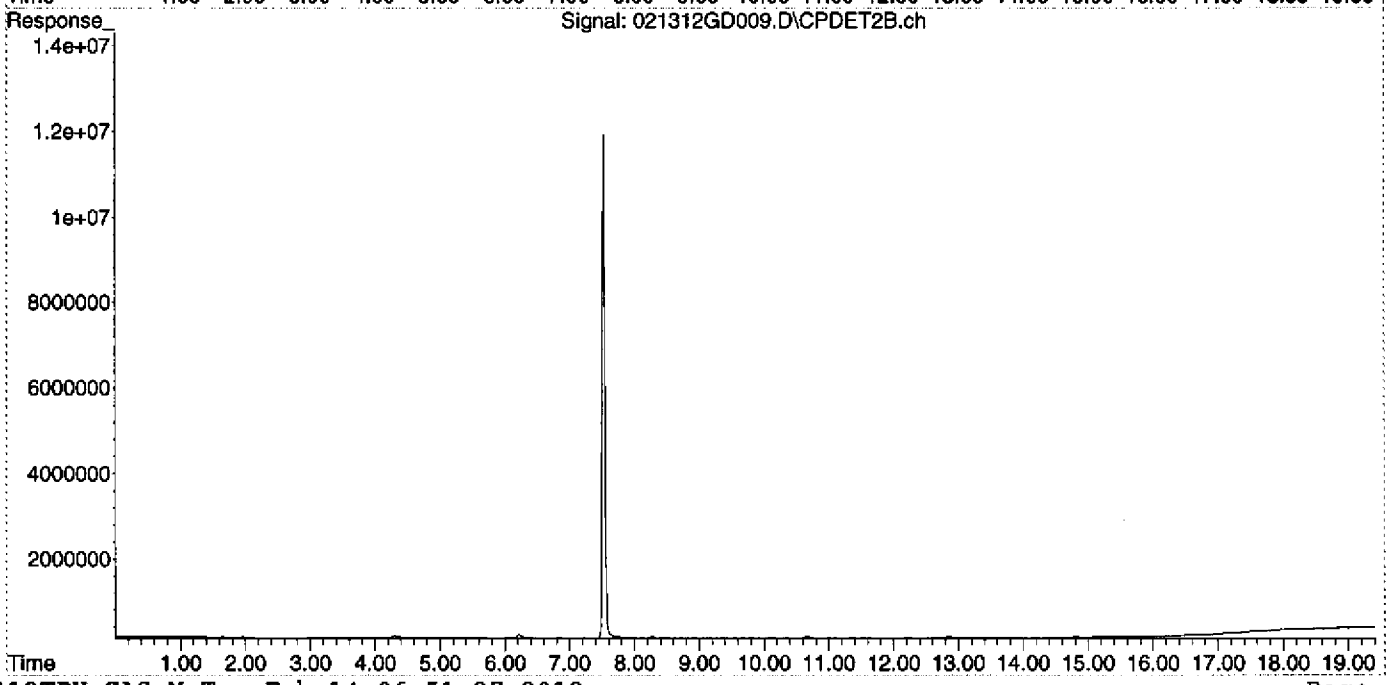
Quantitation Report (Not Reviewed)

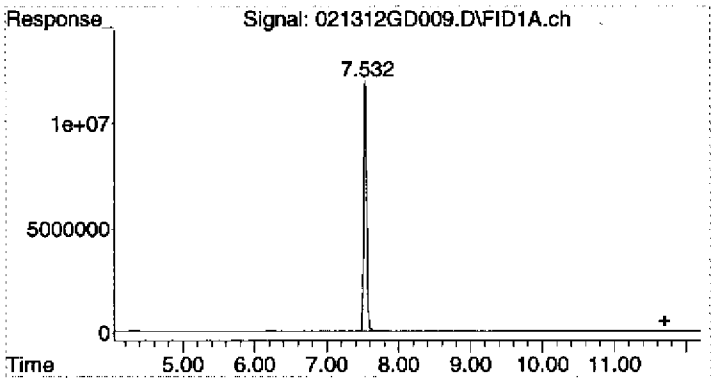
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 13:45
Operator : YNB
Sample : 1202034-03
Misc : TB35,A, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:25 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 : AG5975D 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:	3052012
Conc:	1.37 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 14:13
Operator : YNB
Sample : 1202034-04
Misc : FB14,D, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	337880200	140.547 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 112.44%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2907328	1.306 ug/L

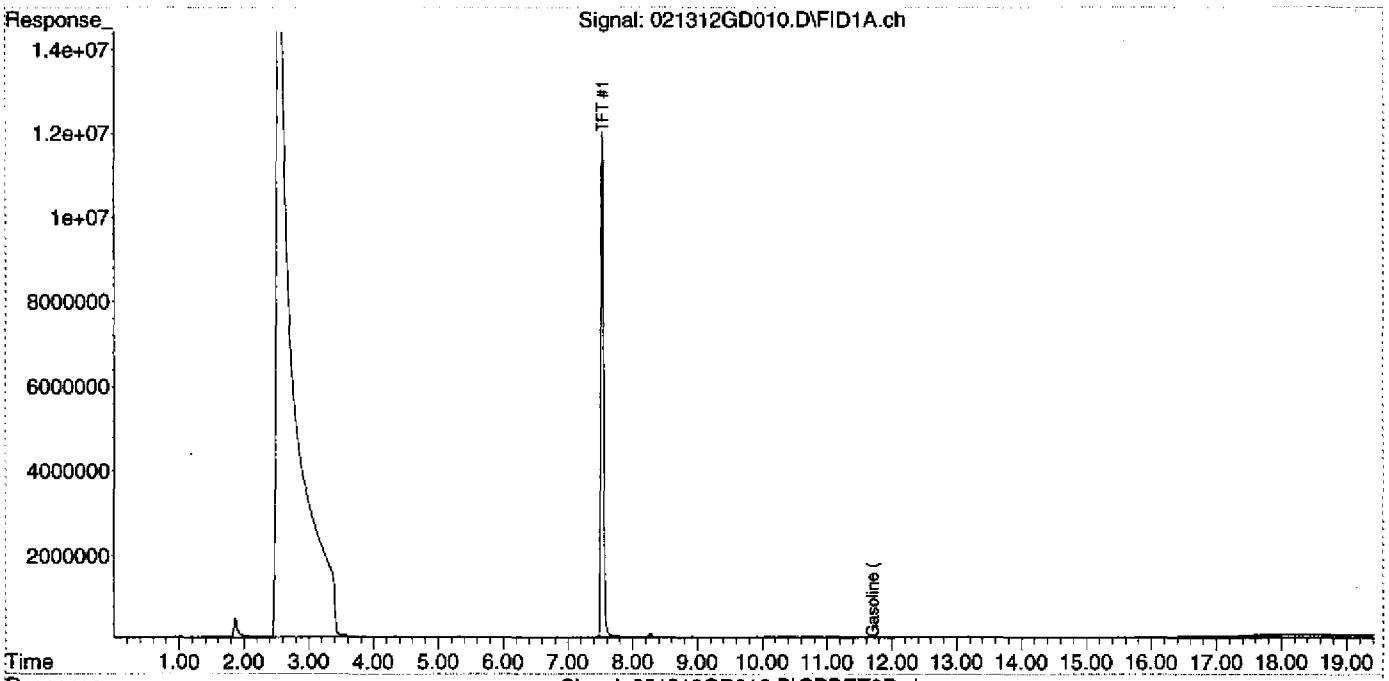
(f)=RT Delta > 1/2 Window (m)=manual int.

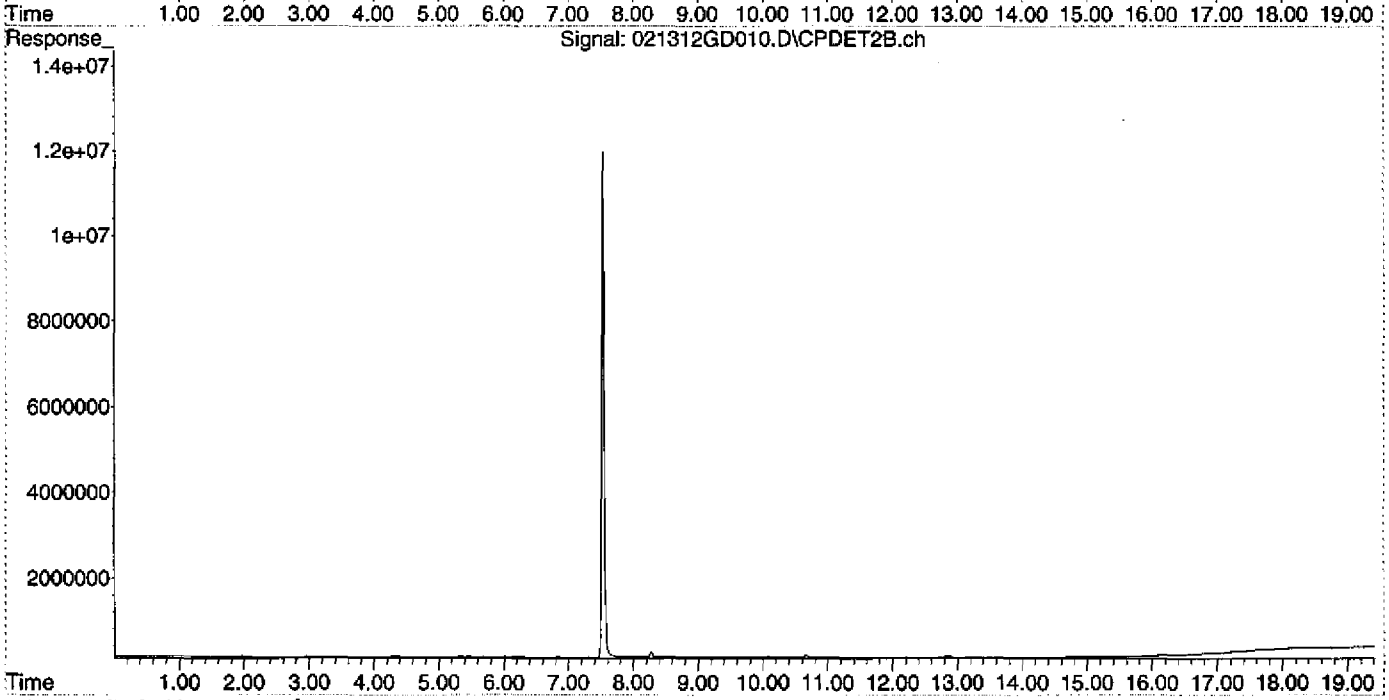
Quantitation Report (Not Reviewed)

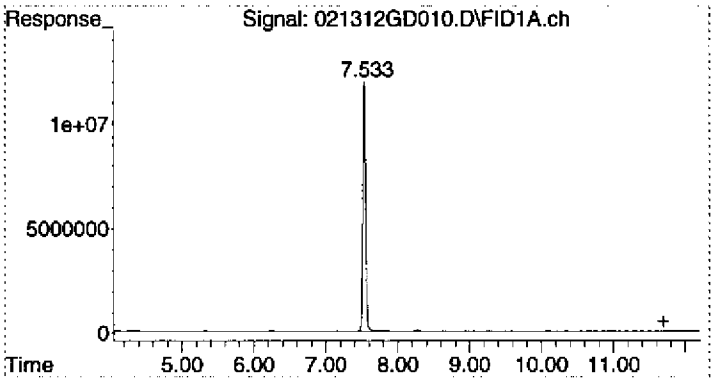
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 14:13
Operator : YNB
Sample : 1202034-04
Misc : FB14,D, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:29 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	2907328
Conc:	1.31 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 14:42
Operator : YNB
Sample : 1202034-05
Misc : HW44,H, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:33 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 : AG5975D 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	343780405	143.002 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 114.40%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

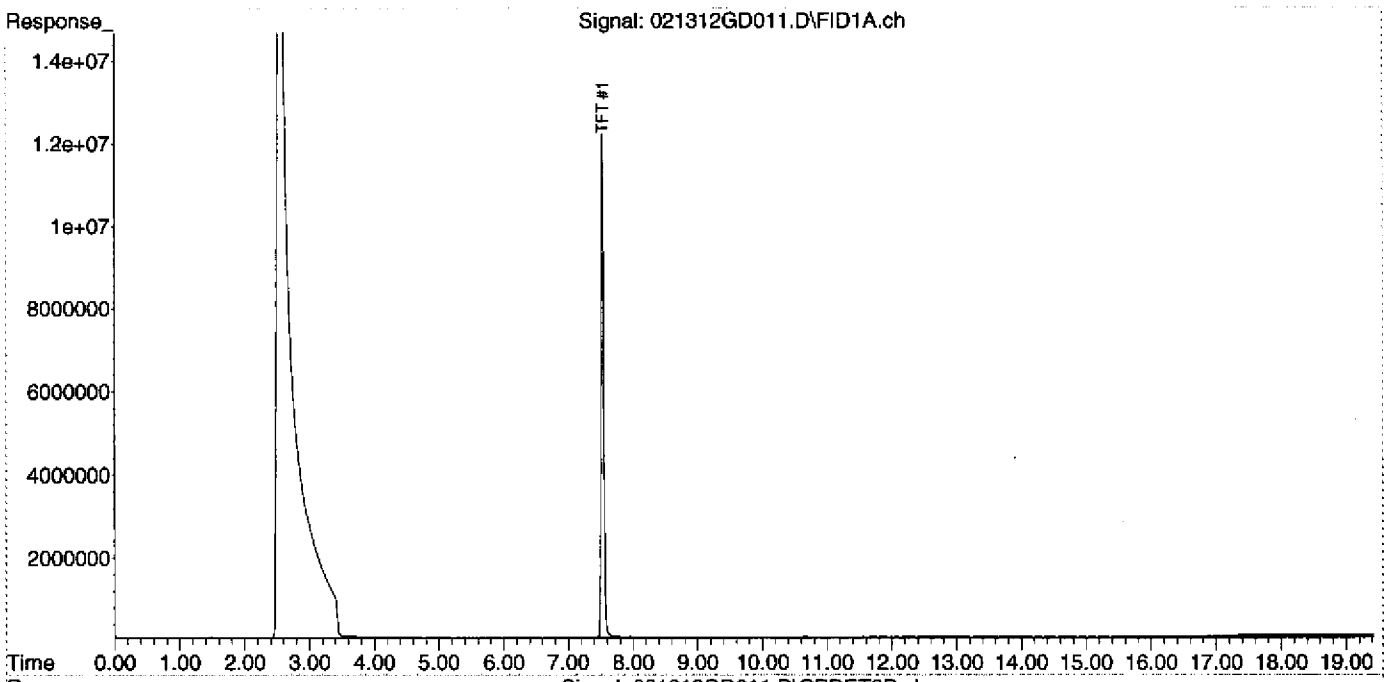
(f)=RT Delta > 1/2 Window (m)=manual int.

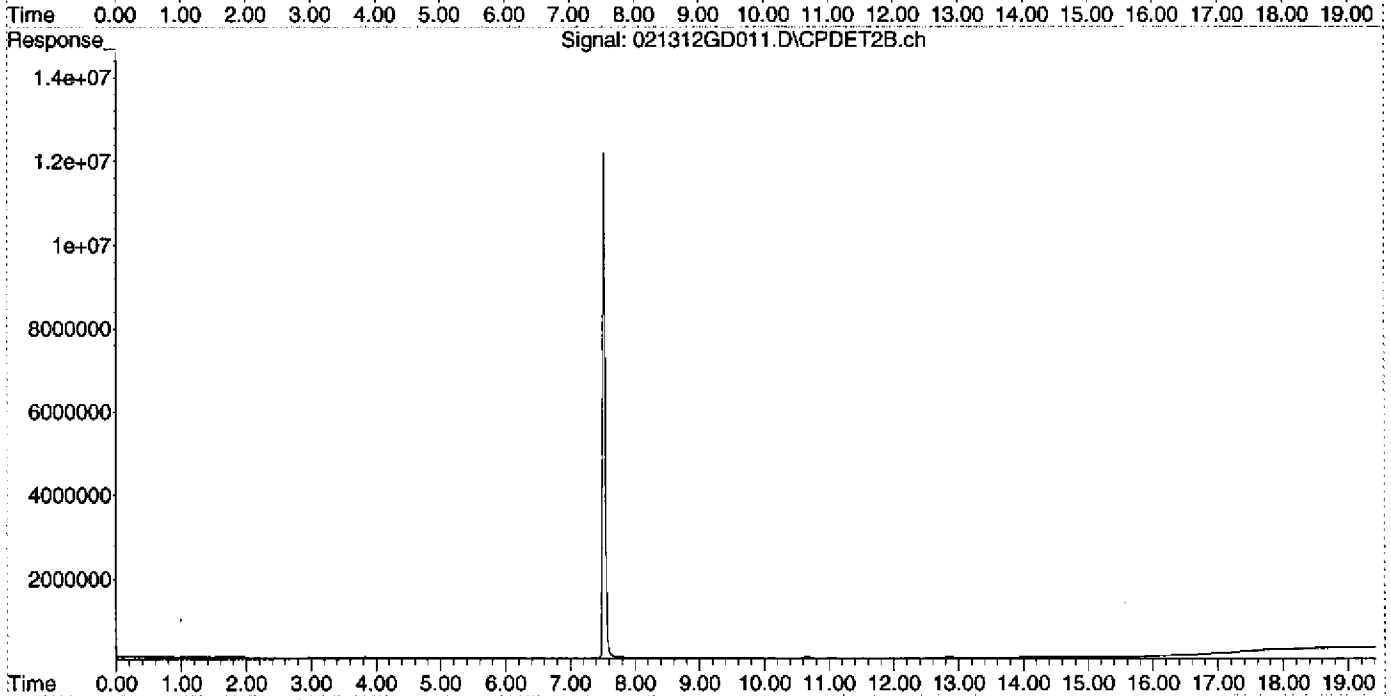
Quantitation Report (Not Reviewed)

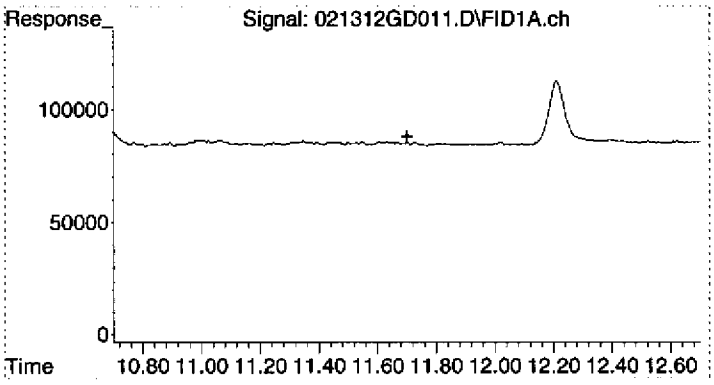
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 14:42
Operator : YNB
Sample : 1202034-05
Misc : HW44,H, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:33 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 : AG5975D 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\021312DGAS\
Data File : 021312GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 15:10
Operator : YNB
Sample : B2B0056-MS1
Misc : HW44,G, WATER SPIKE
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:38 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 : AG5975D 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	347774434	144.663 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 115.73%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1180402341	530.167 ug/L

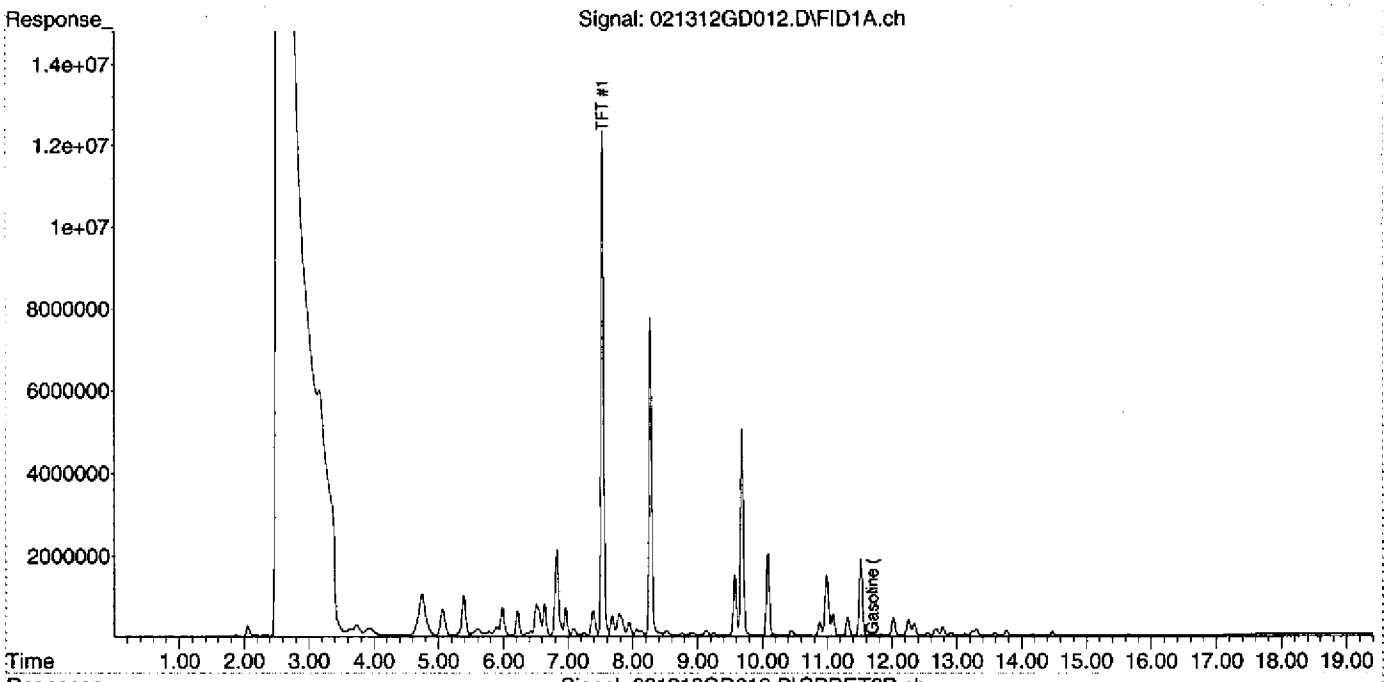
(f)=RT Delta > 1/2 Window (m)=manual int.

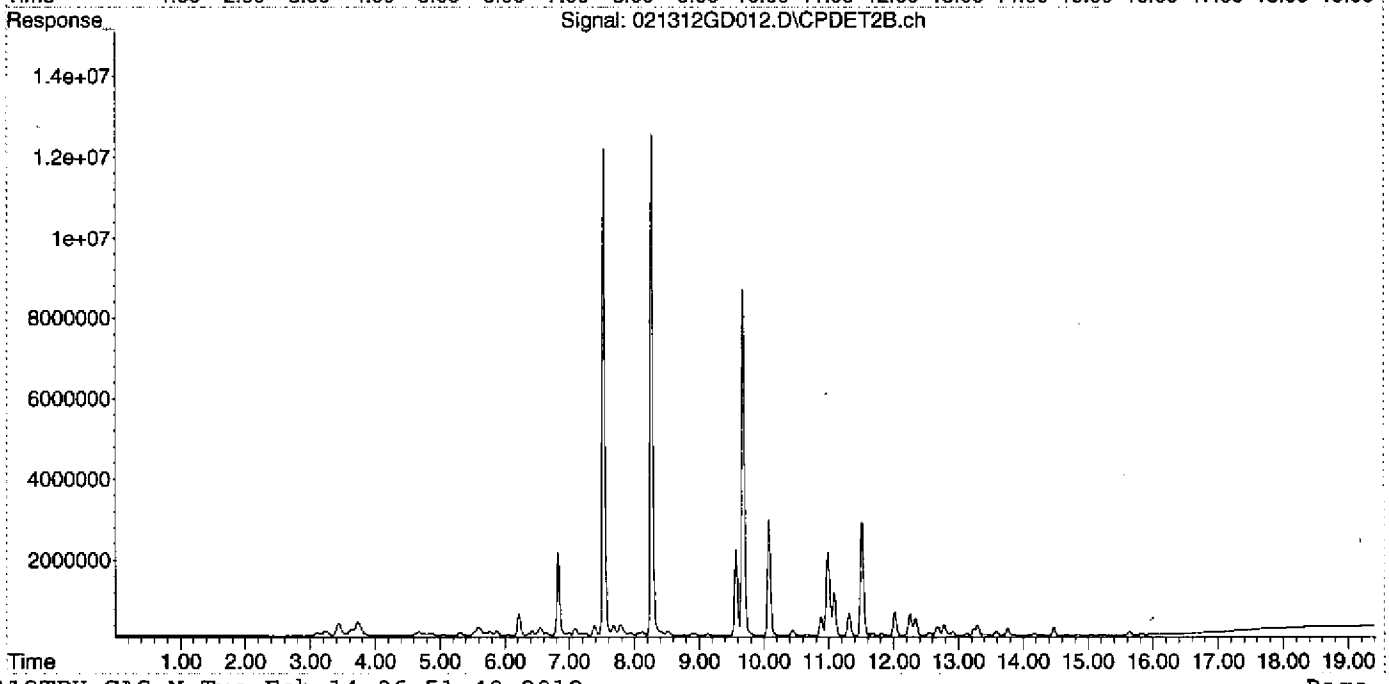
Quantitation Report (Not Reviewed)

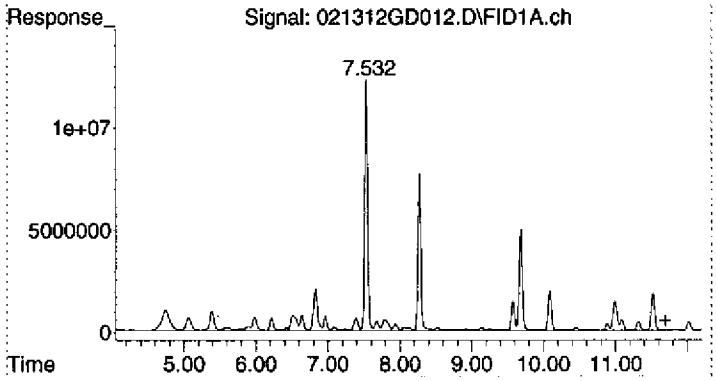
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 15:10
Operator : YNB
Sample : B2B0056-MS1
Misc : HW44,G, WATER SPIKE
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:38 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 : AG5975D 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: 1180402341
Conc: 530.17 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 15:38
Operator : YNB
Sample : B2B0056-MSD1
Misc : HW44,J, WATER SPIKE
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:43 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 : AG5975D 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	344845808	143.445 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 114.76%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1046031395	469.816 ug/L

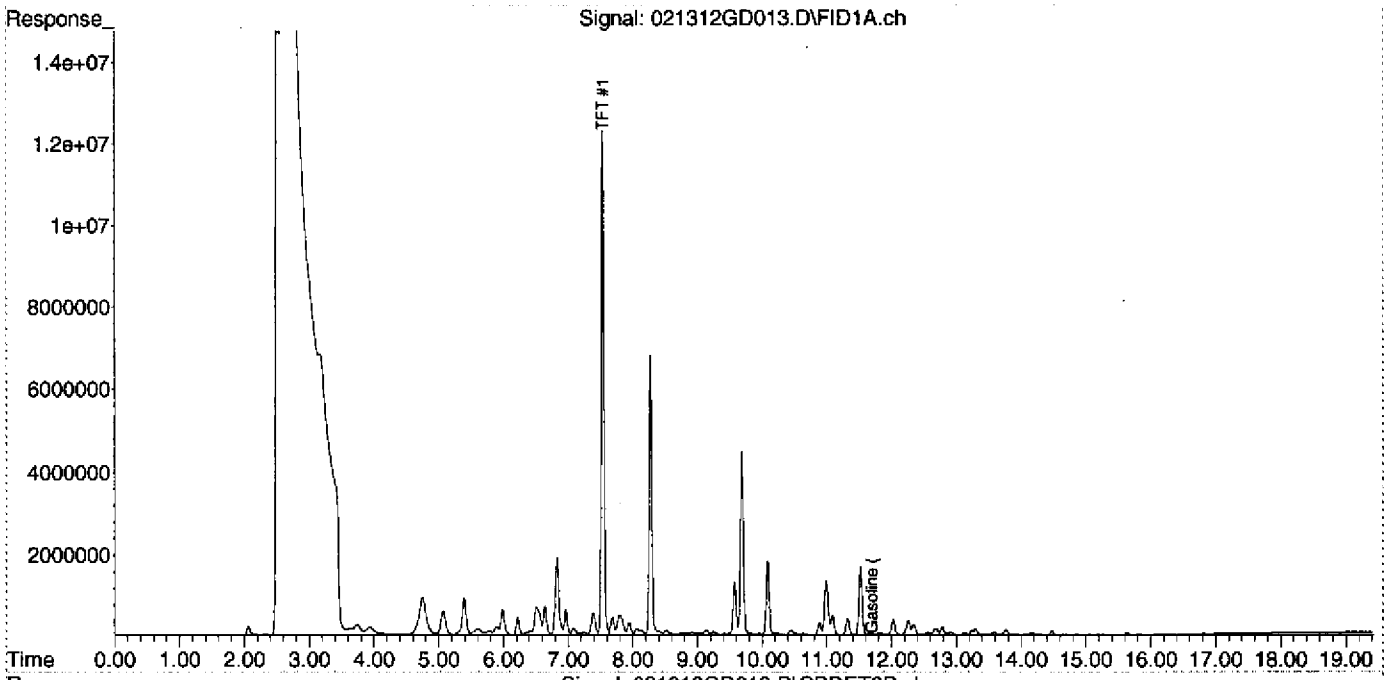
(f)=RT Delta > 1/2 Window (m)=manual int.

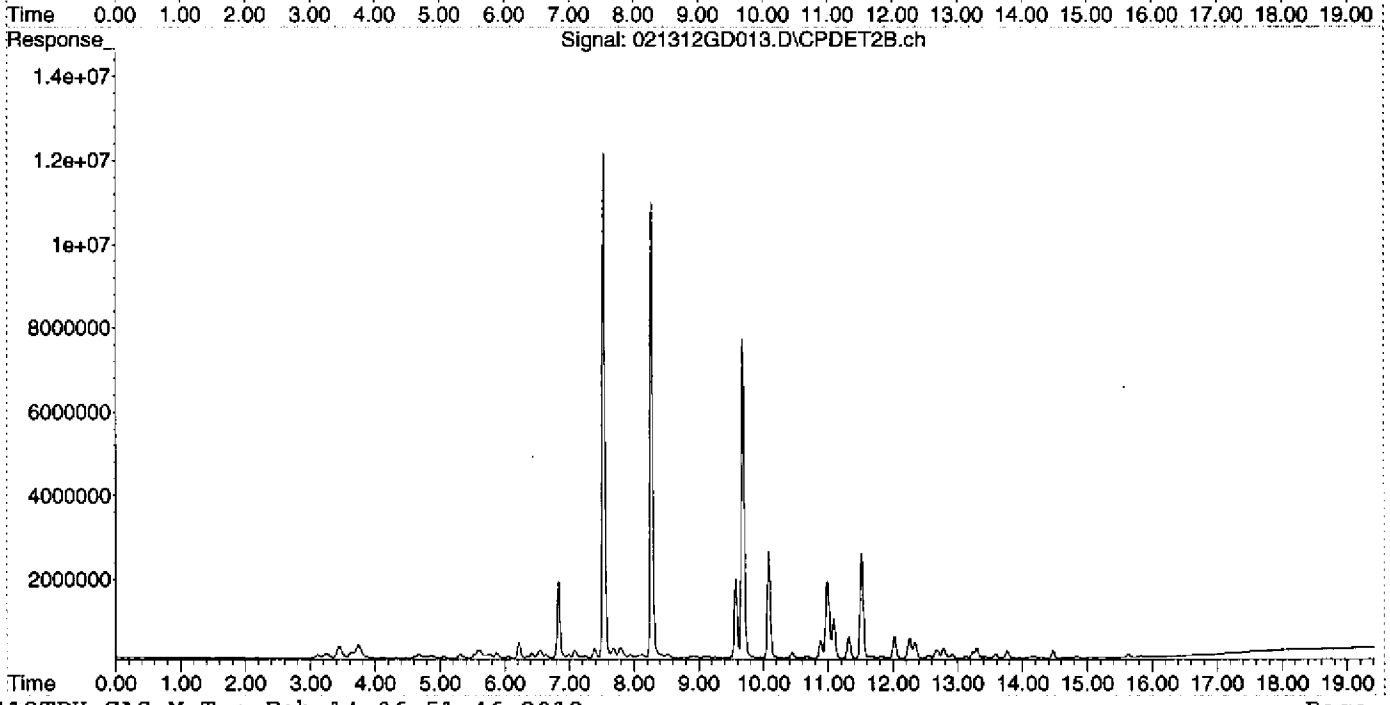
Quantitation Report (Not Reviewed)

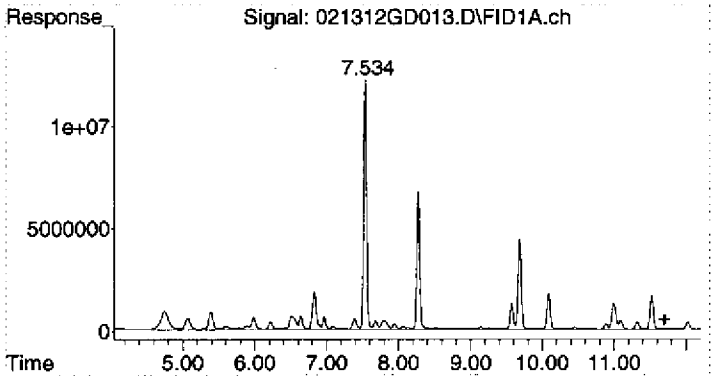
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 15:38
Operator : YNB
Sample : B2B0056-MSD1
Misc : HW44,J, WATER SPIKE
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:43 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 : AG5975D 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: 1046031395
Conc: 469.82 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 16:10
Operator : YNB
Sample : 1202034-06
Misc : TB36,A, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:48 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	348387695	144.918 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 115.93%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1705253	0.766 ug/L

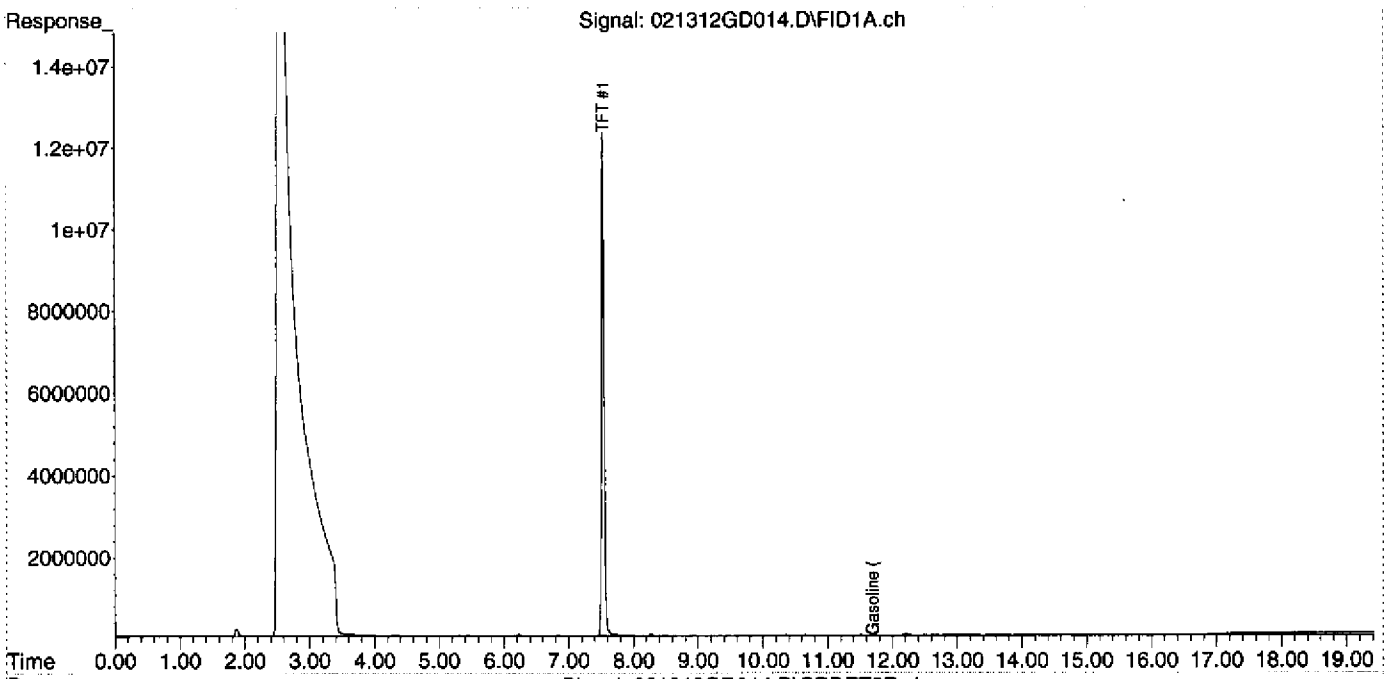
(f)=RT Delta > 1/2 Window (m)=manual int.

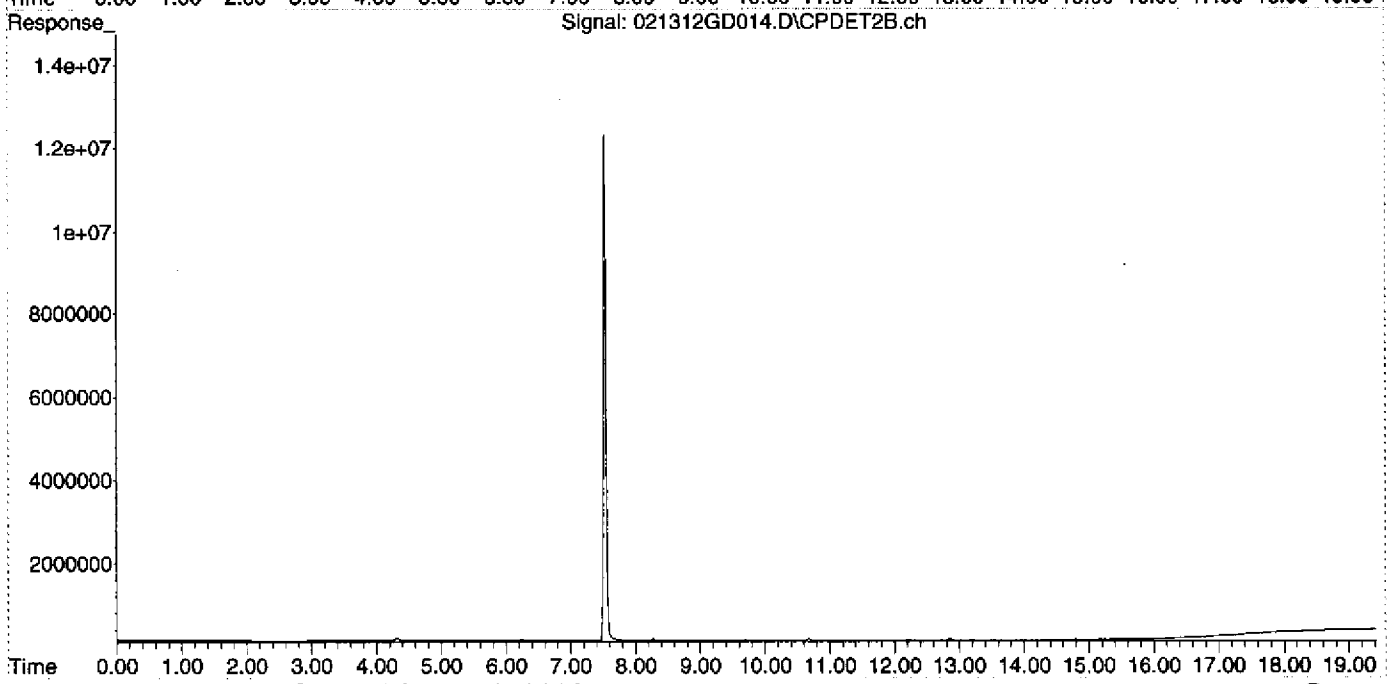
Quantitation Report (Not Reviewed)

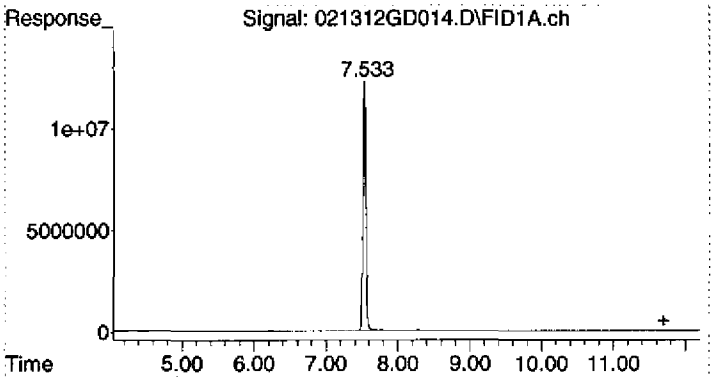
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 16:10
Operator : YNB
Sample : 1202034-06
Misc : TB36,A, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:48 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	1705253
Conc:	0.77 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 16:39
Operator : YNB
Sample : 1202034-07
Misc : FB15,C, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:53 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 : AG5975D 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	331734968	137.991 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 110.39%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	939989	0.422 ug/L

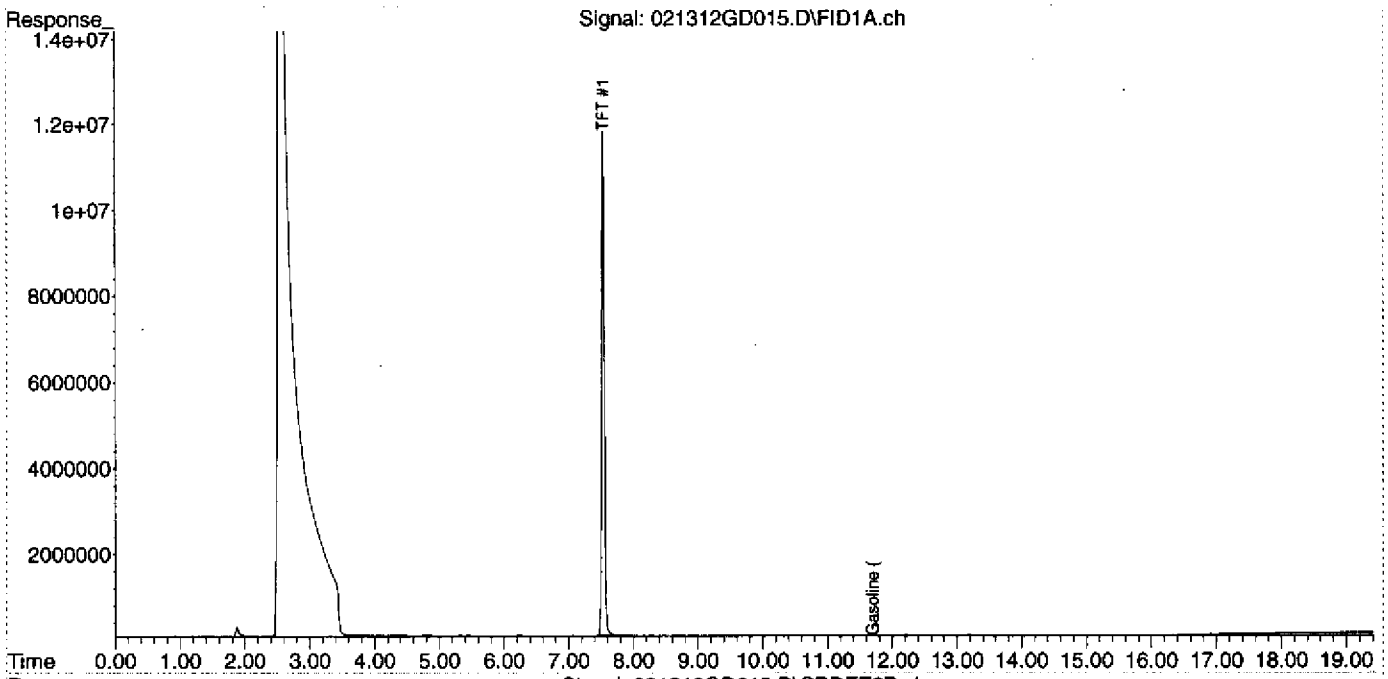
(f)=RT Delta > 1/2 Window (m)=manual int.

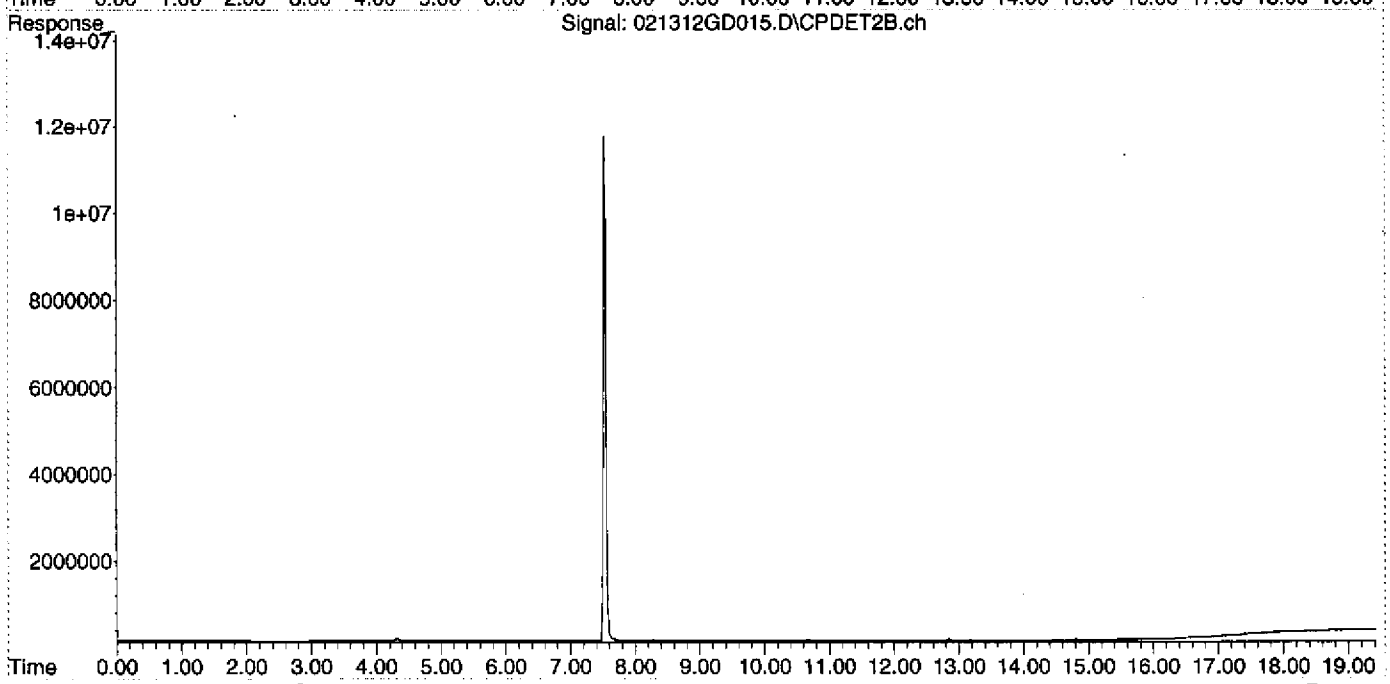
Quantitation Report (Not Reviewed)

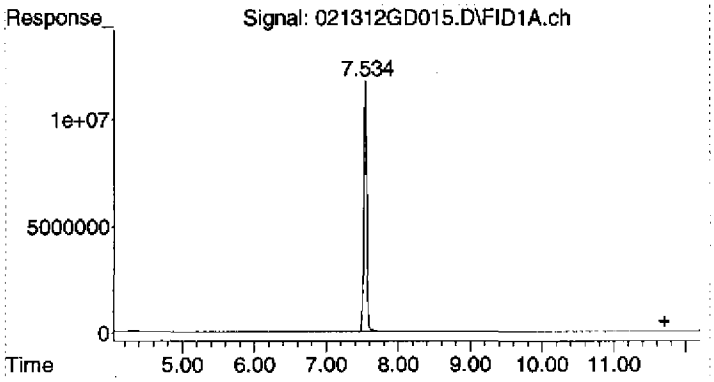
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 16:39
Operator : YNB
Sample : 1202034-07
Misc : FB15,C, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:53 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 : AG5975D 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:	939989
Conc:	0.42 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 17:07
Operator : YNB
Sample : 1202034-08
Misc : HW36n,C, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:57 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 : AG5975D 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	341934091	142.234 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 113.79%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	924271	0.415 ug/L

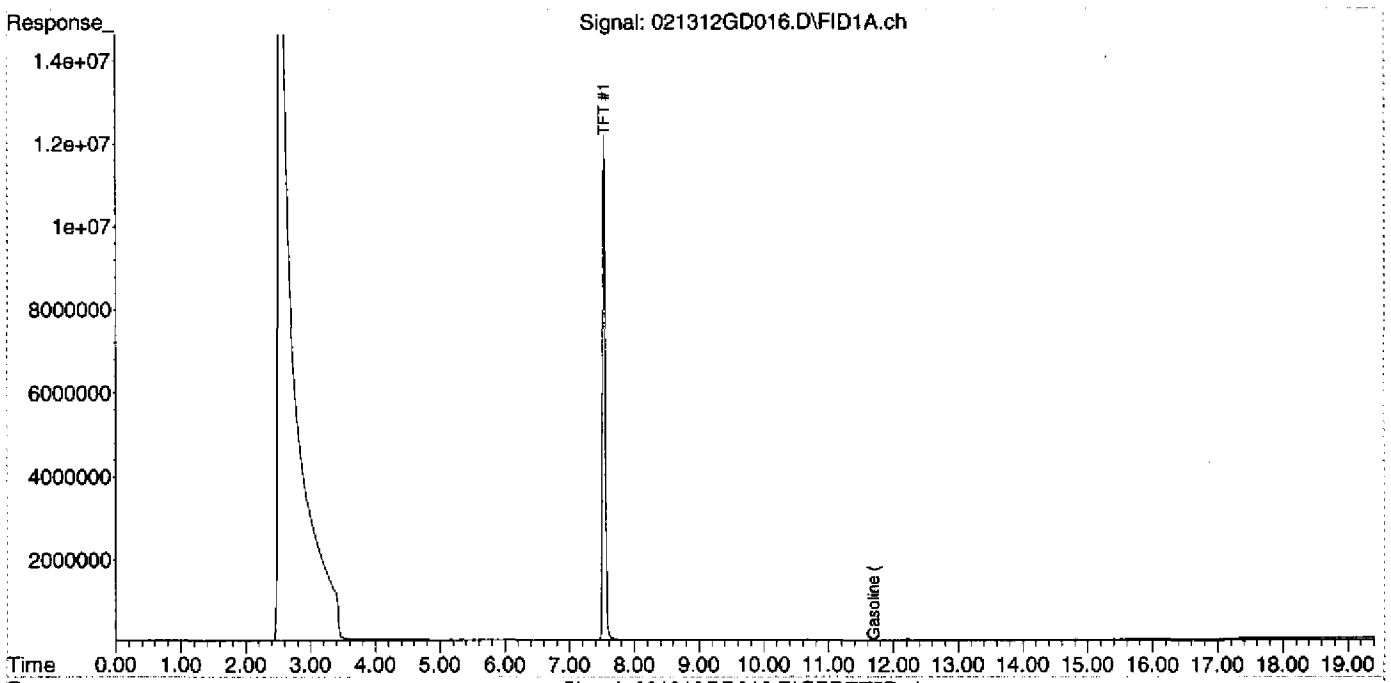
(f)=RT Delta > 1/2 Window (m)=manual int.

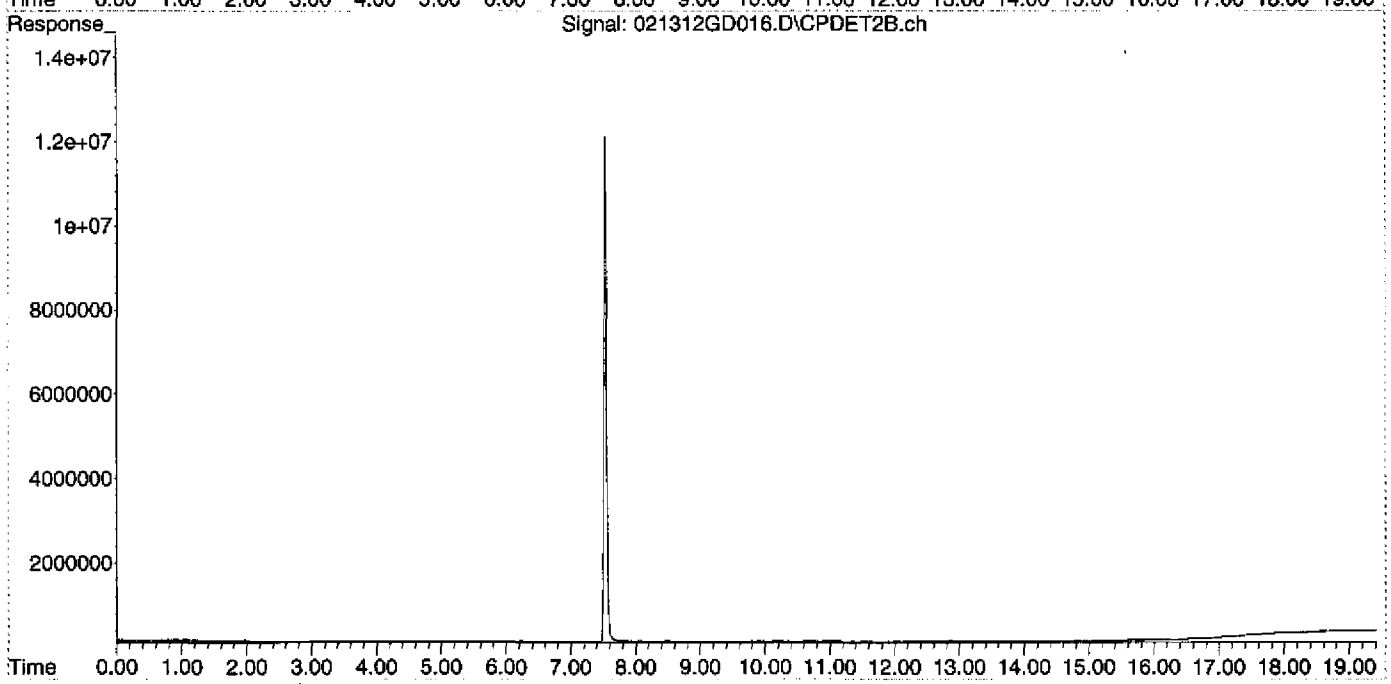
Quantitation Report (Not Reviewed)

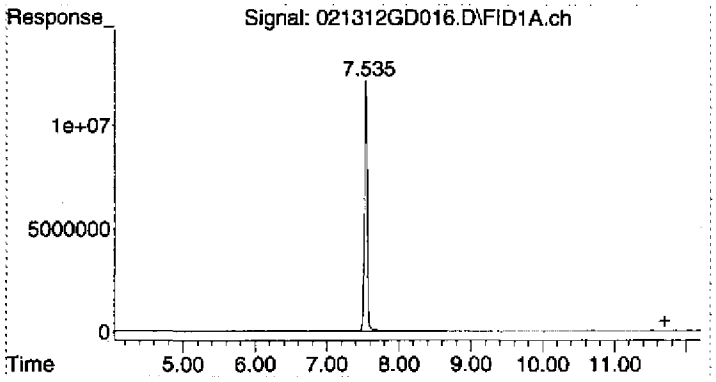
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 17:07
Operator : YNB
Sample : 1202034-08
Misc : HW36n,C, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:51:57 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 : AG5975D 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:	924271
Conc:	0.42 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 17:35
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:02 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 : AG5975D 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	344496985	143.300	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 114.64%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

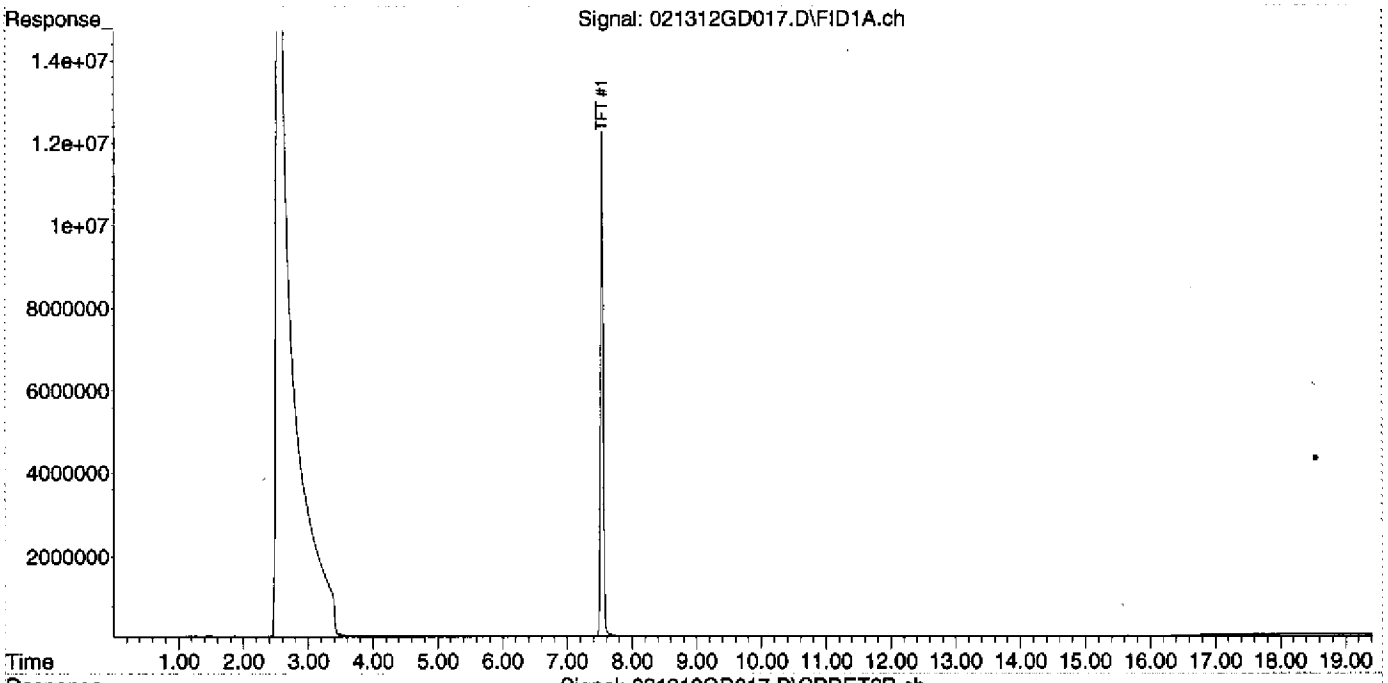
(f)=RT Delta > 1/2 Window (m)=manual int.

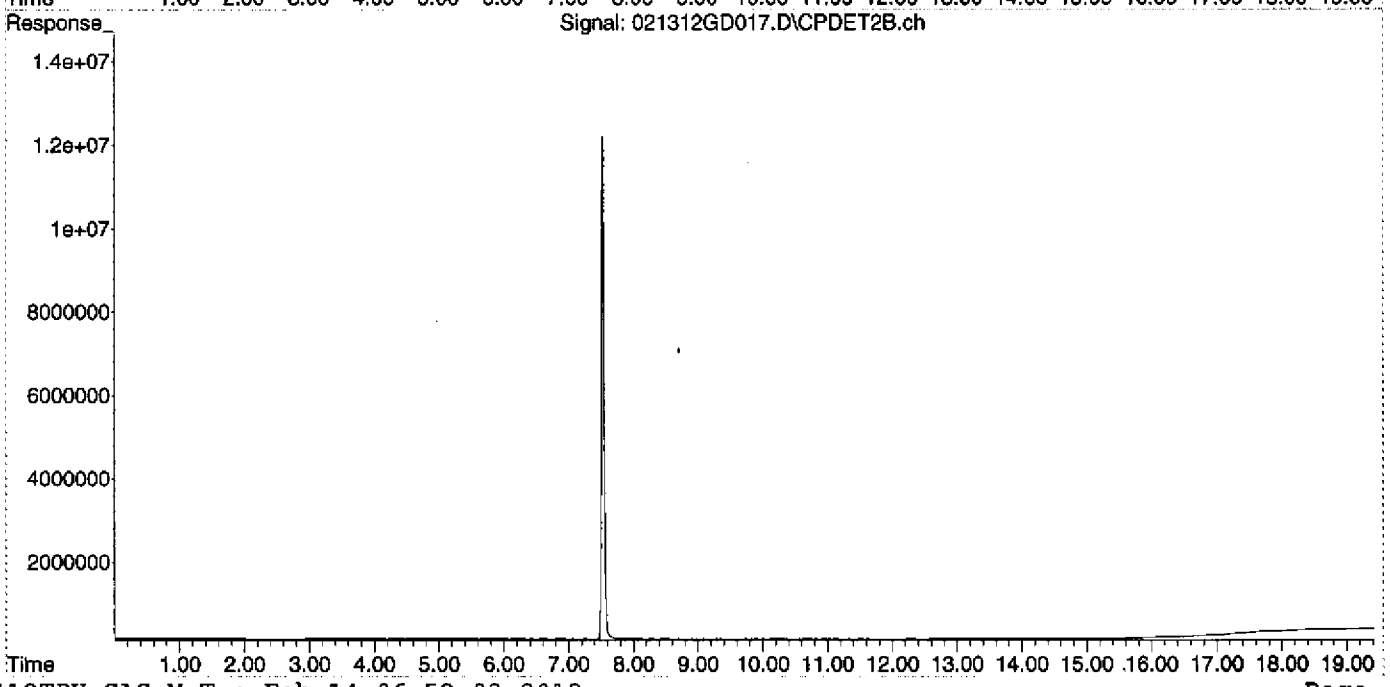
Quantitation Report (Not Reviewed)

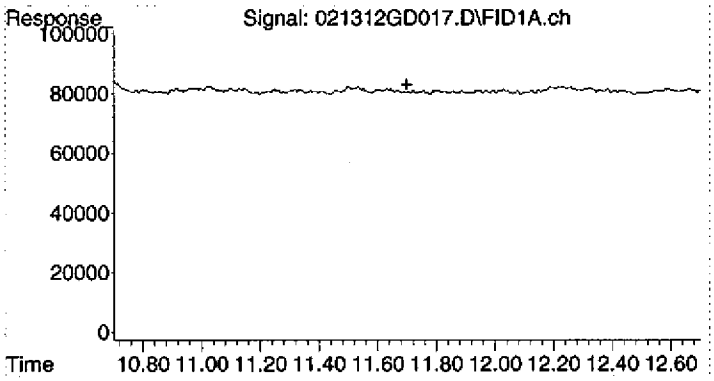
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 17:35
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:02 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 : AG5975D 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\021312DGAS\
Data File : 021312GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:05
Operator : YNB
Sample : 2020045-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:06 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 : AG5975D 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	2.300 E6	-3.3	98	0.00
2 S TFT #1	2.404	2.809 E6	-16.8#	117	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\021312DGAS\
Data File : 021312GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:05
Operator : YNB
Sample : 2020045-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:06 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 : AG5975D 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	351174571	146.077 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 116.86%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1149817813	516.430 ug/L

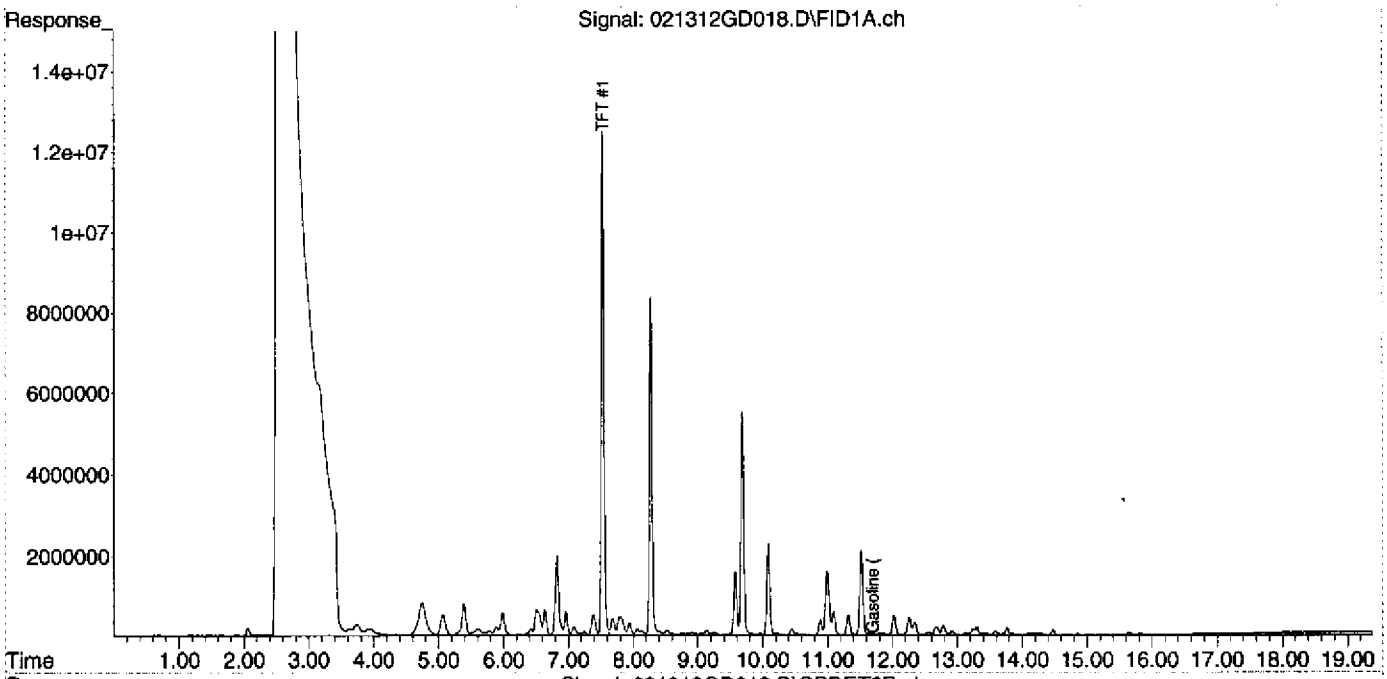
(f)=RT Delta > 1/2 Window (m)=manual int.

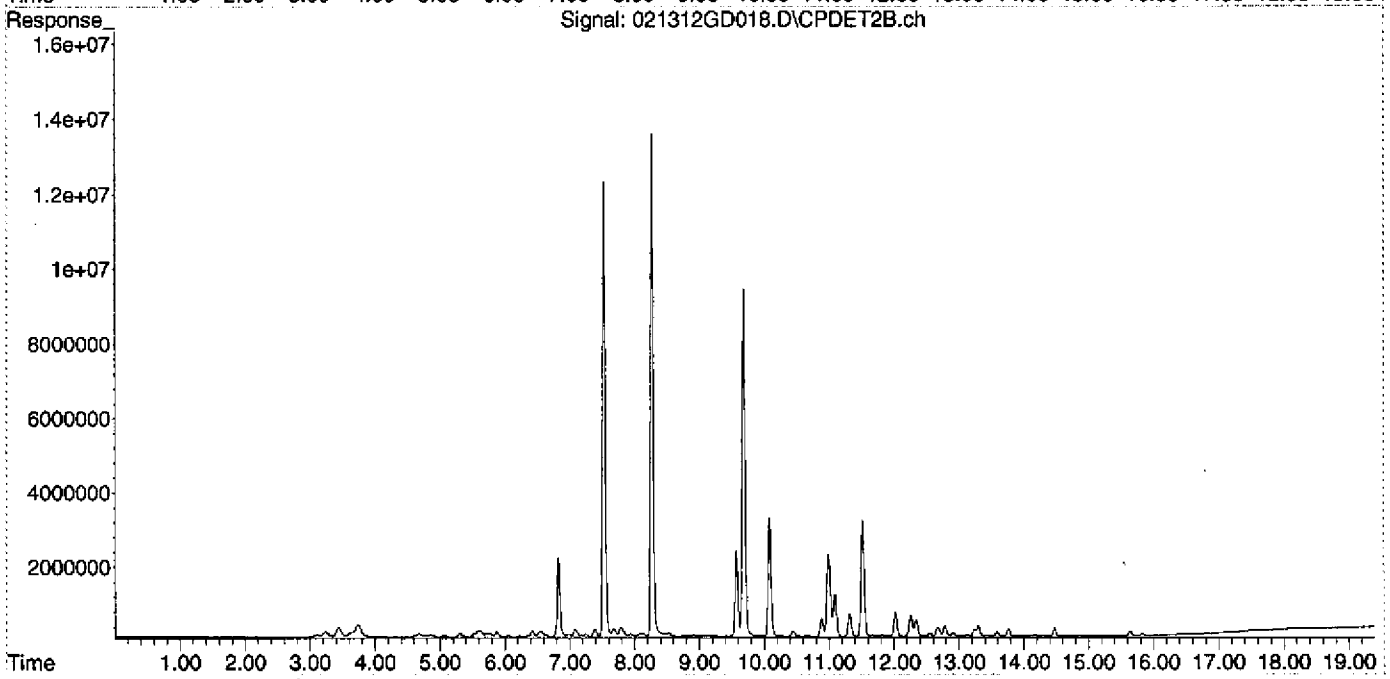
Quantitation Report (Not Reviewed)

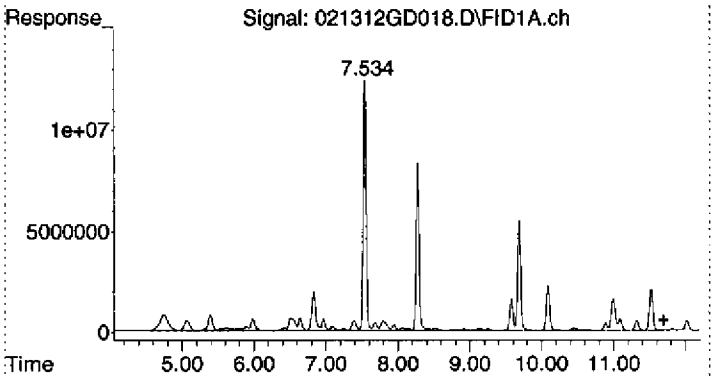
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:05
Operator : YNB
Sample : 2020045-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:06 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 : AG5975D 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: 1149817813
Conc: 516.43 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:33
Operator : YNB
Sample : 2020045-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	2.375 E6	-6.7	101	0.00
2 S TFT #1	2.404	2.708 E6	-12.6	113	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\021312DGAS\
Data File : 021312GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:33
Operator : YNB
Sample : 2020045-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	338528628	140.817 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 112.65%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1187548756	533.377 ug/L

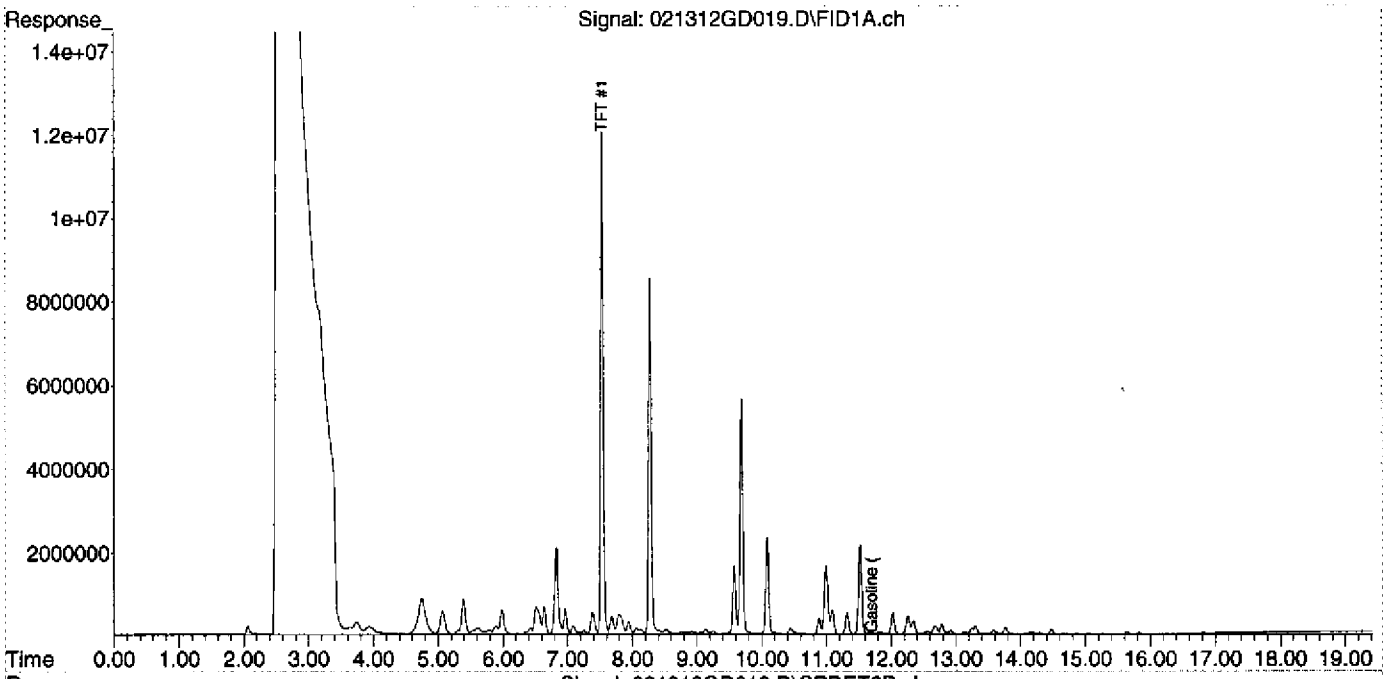
(f)=RT Delta > 1/2 Window (m)=manual int.

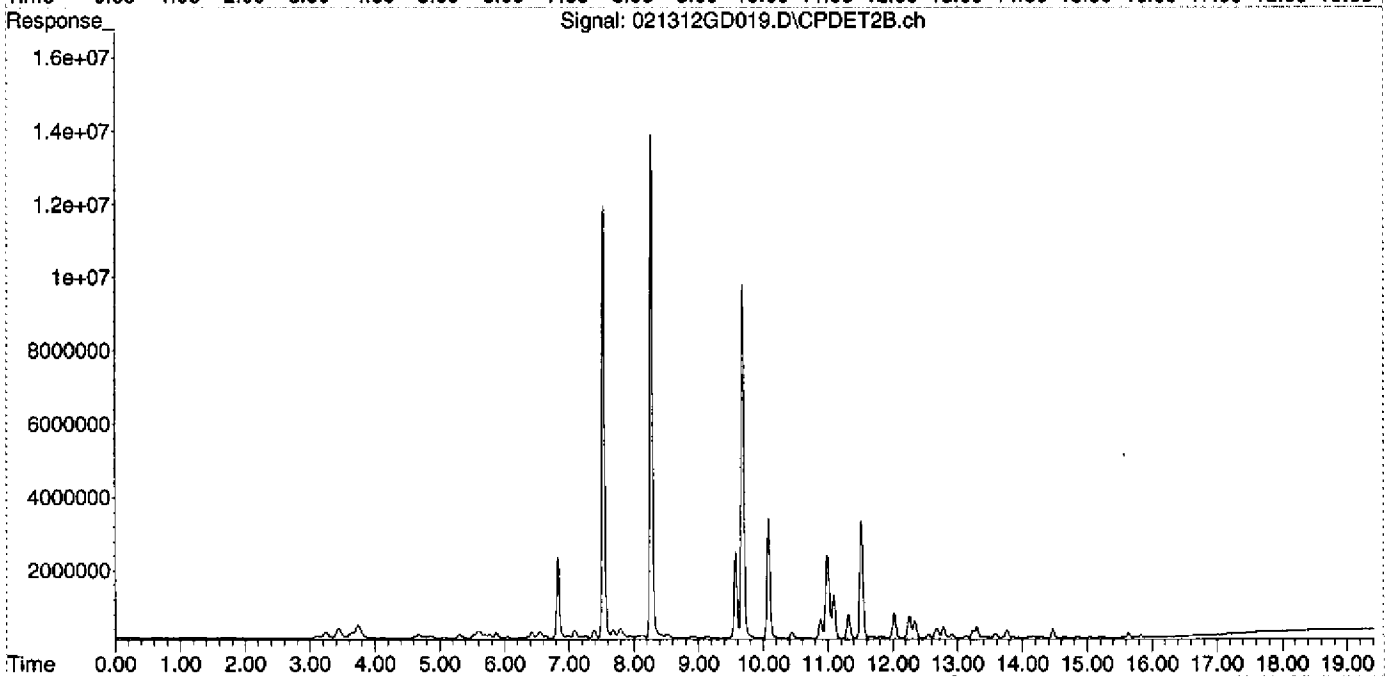
Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 18:33
Operator : YNB
Sample : 2020045-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:11 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID





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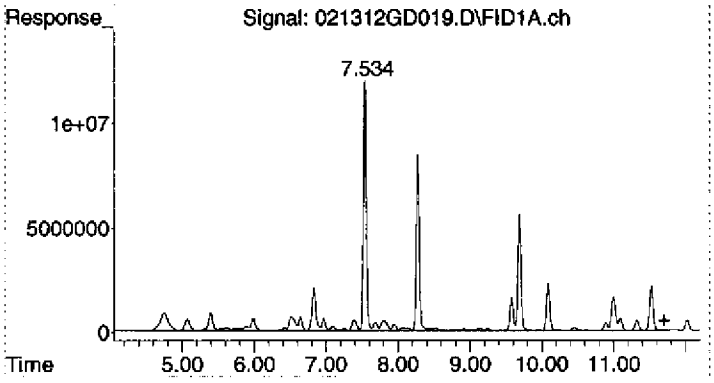


#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1187548756
Conc: 533.38 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:01
Operator : YNB
Sample : 1202034-09
Misc : HW36n-P,C, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	338931757	140.985 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 112.79%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	356718	0.160 ug/L

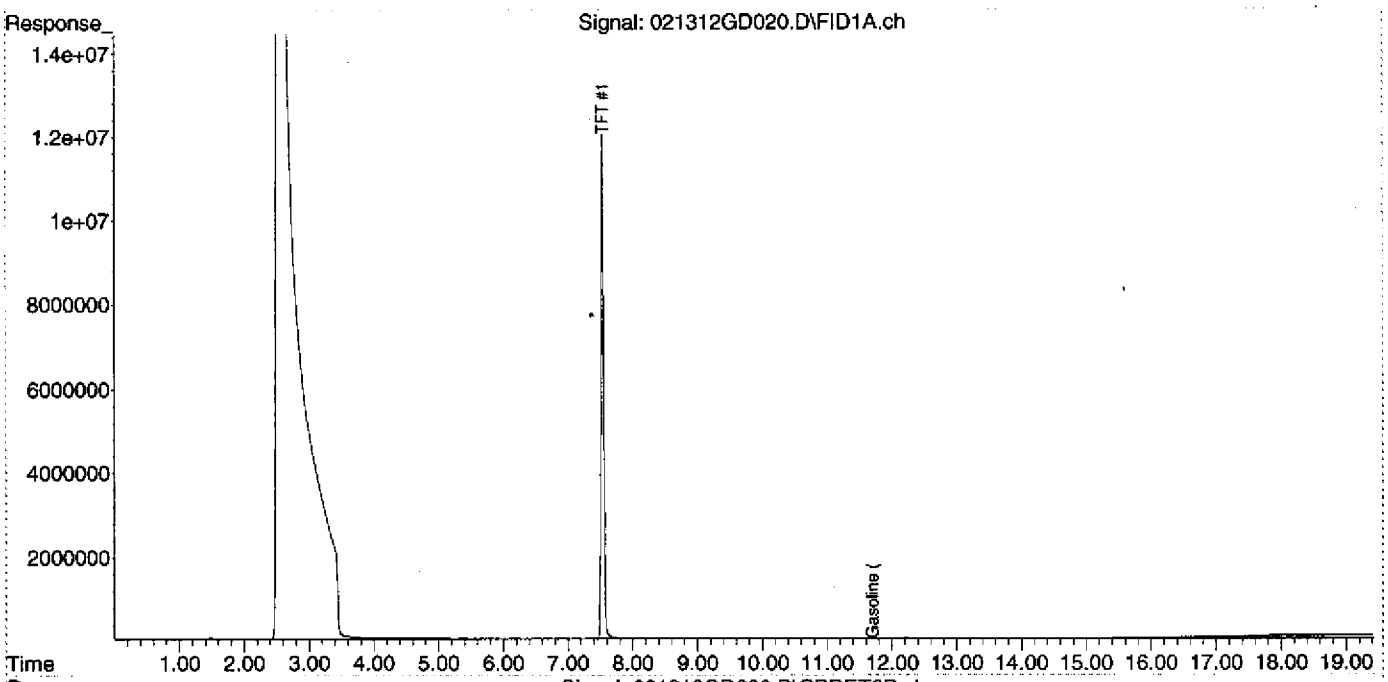
(f)=RT Delta > 1/2 Window (m)=manual int.

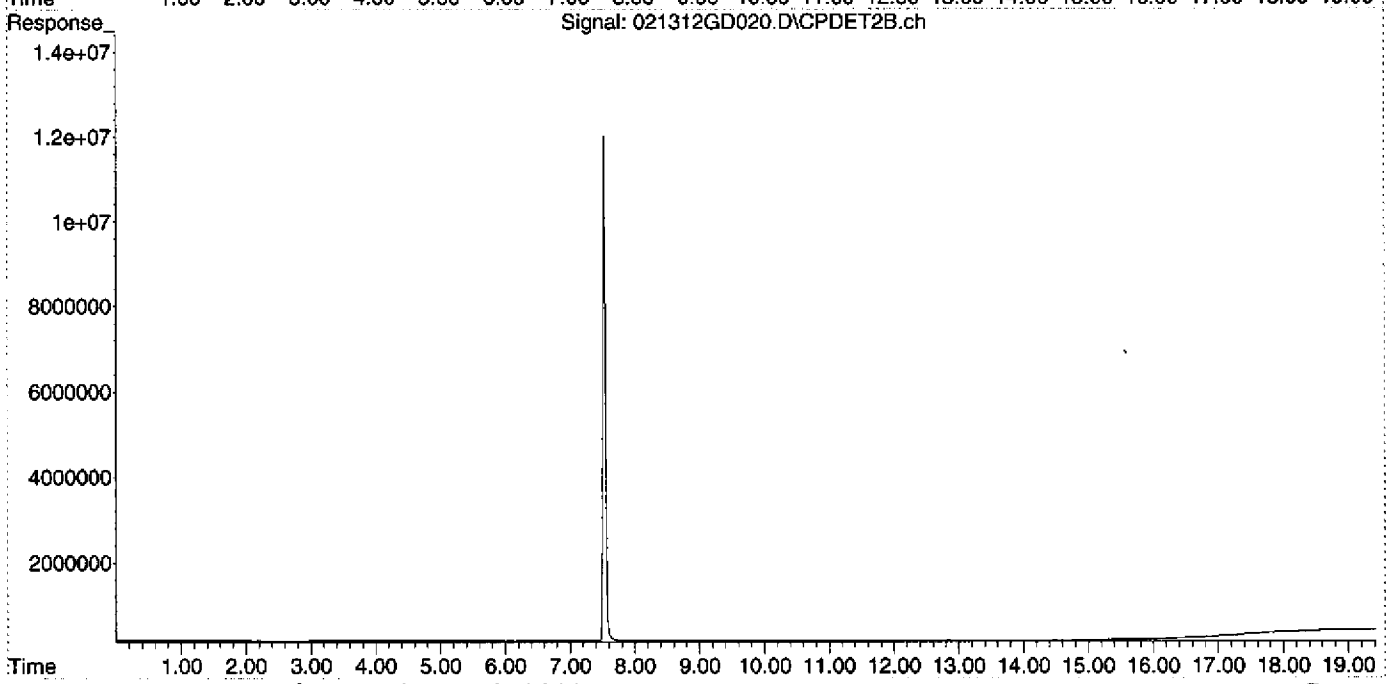
Quantitation Report (Not Reviewed)

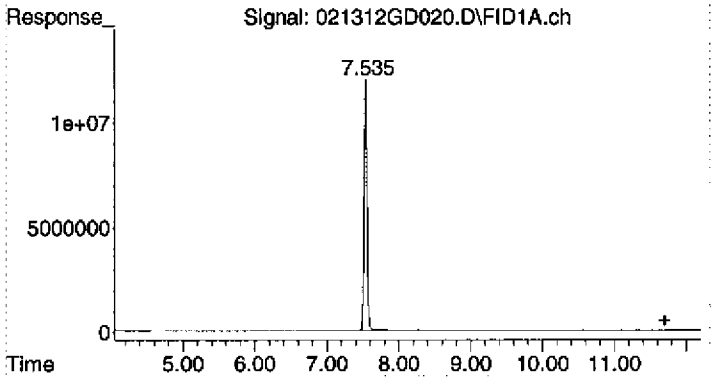
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:01
Operator : YNB
Sample : 1202034-09
Misc : HW36n-P,C, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	356718
Conc:	0.16 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:30
Operator : YNB
Sample : B2B0056-MS2
Misc : HW36n-P,D, WATER SPIKE
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:21 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 : AG5975D 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	327621850	136.280 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 109.02%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	979886442	440.107 ug/L

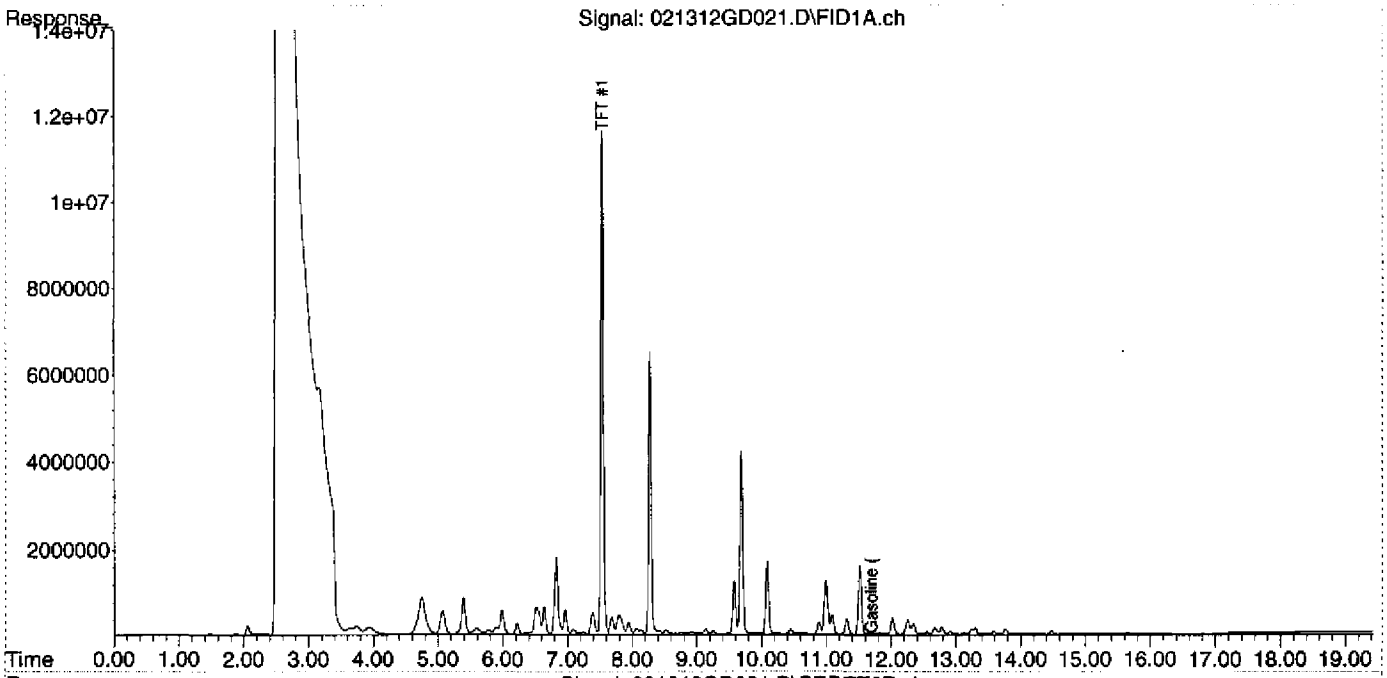
(f)=RT Delta > 1/2 Window (m)=manual int.

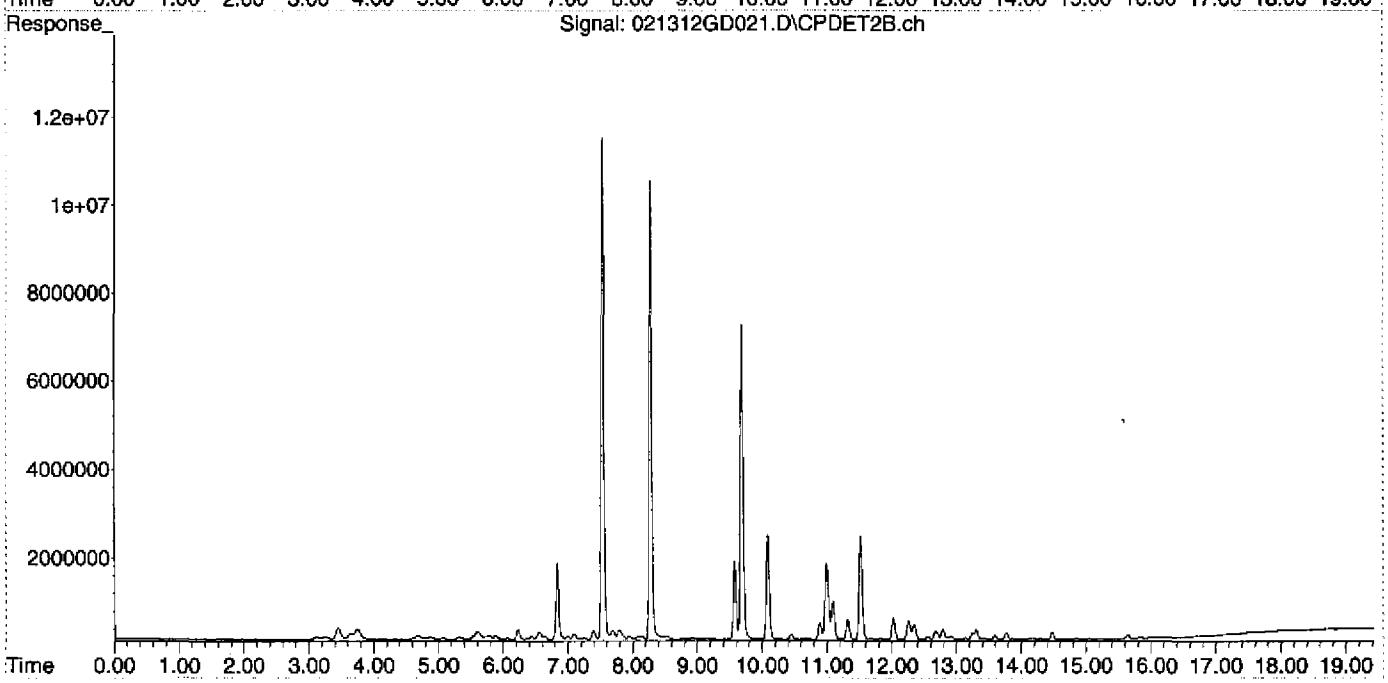
Quantitation Report (Not Reviewed)

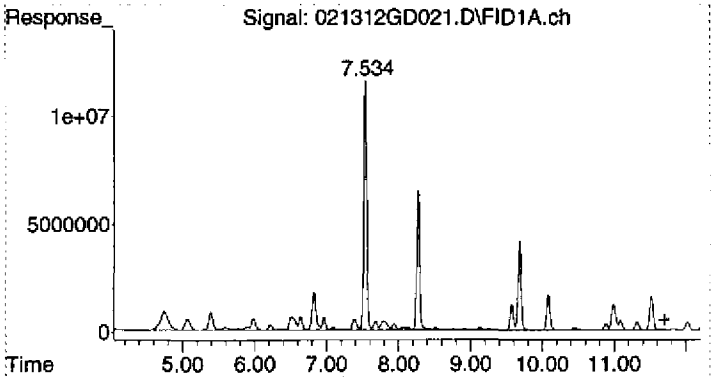
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:30
Operator : YNB
Sample : B2B0056-MS2
Misc : HW36n-P,D, WATER SPIKE
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:21 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 : AG5975D
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: 979886442
Conc: 440.11 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD022.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:58
Operator : YNB
Sample : B2B0056-MSD2
Misc : HW36n-P,F, WATER SPIKE
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:26 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 : AG5975D 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	334541648	139.159 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 111.33%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1202035738	539.883 ug/L

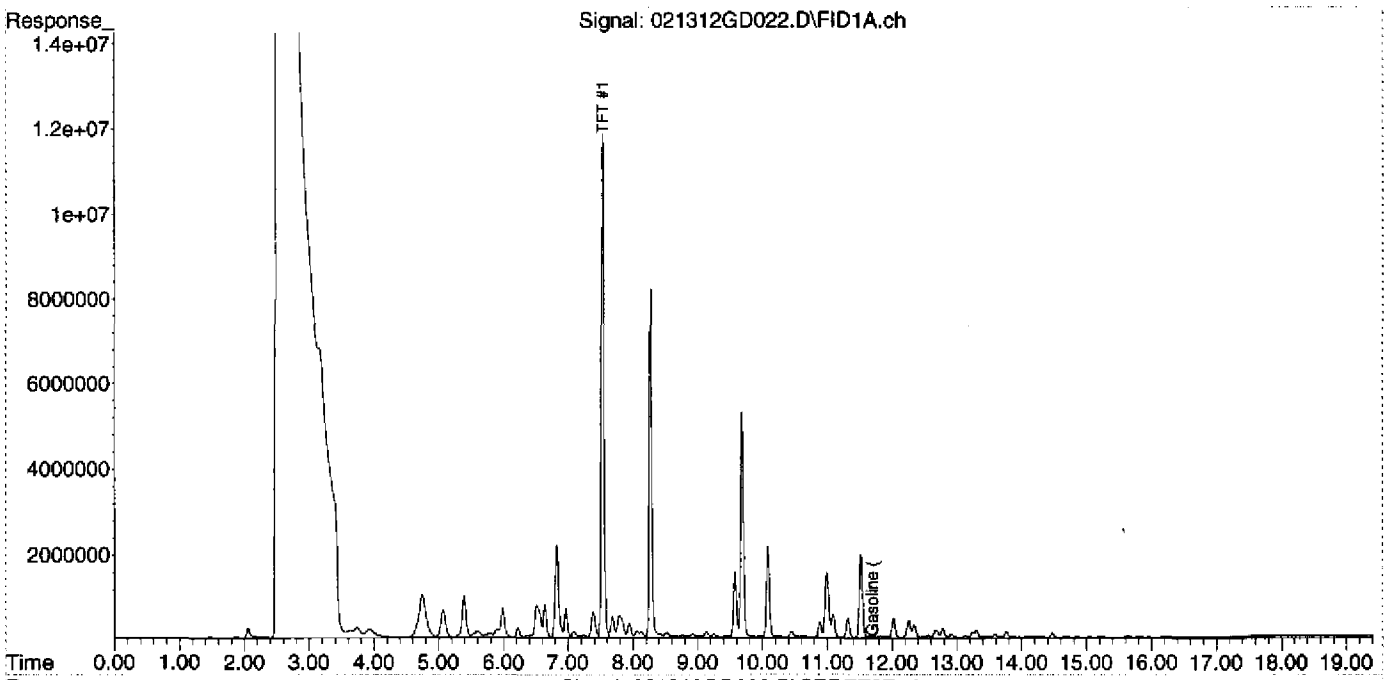
(f)=RT Delta > 1/2 Window (m)=manual int.

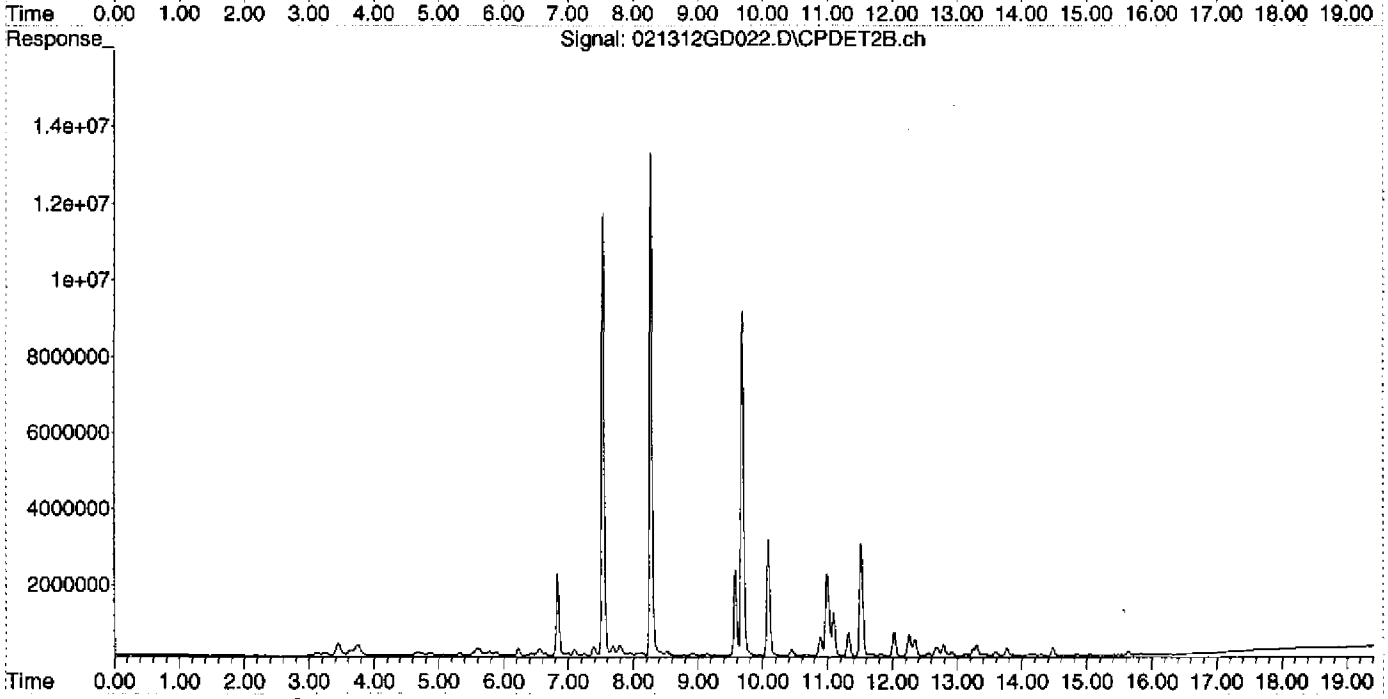
Quantitation Report (Not Reviewed)

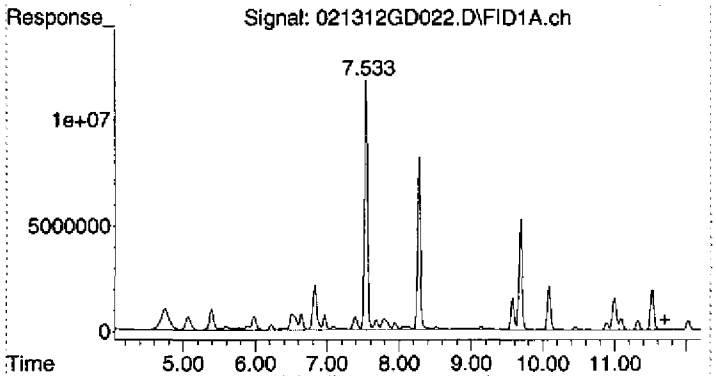
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD022.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 19:58
Operator : YNB
Sample : B2B0056-MSD2
Misc : HW36n-P,F, WATER SPIKE
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:26 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 : AG5975D 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: 1202035738
Conc: 539.88 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 20:27
Operator : YNB
Sample : 1202034-10
Misc : TB37,A, WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	321356081	133.674 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 106.94%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1192682	0.536 ug/L

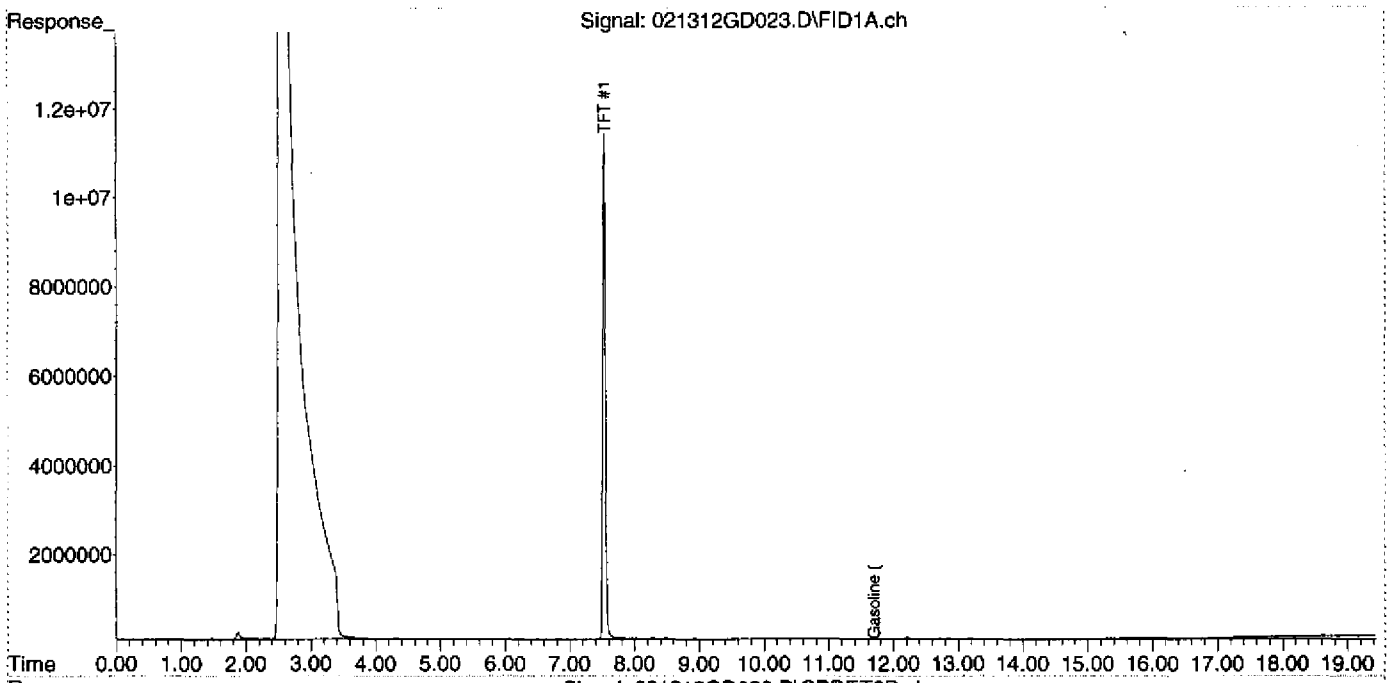
(f)=RT Delta > 1/2 Window (m)=manual int.

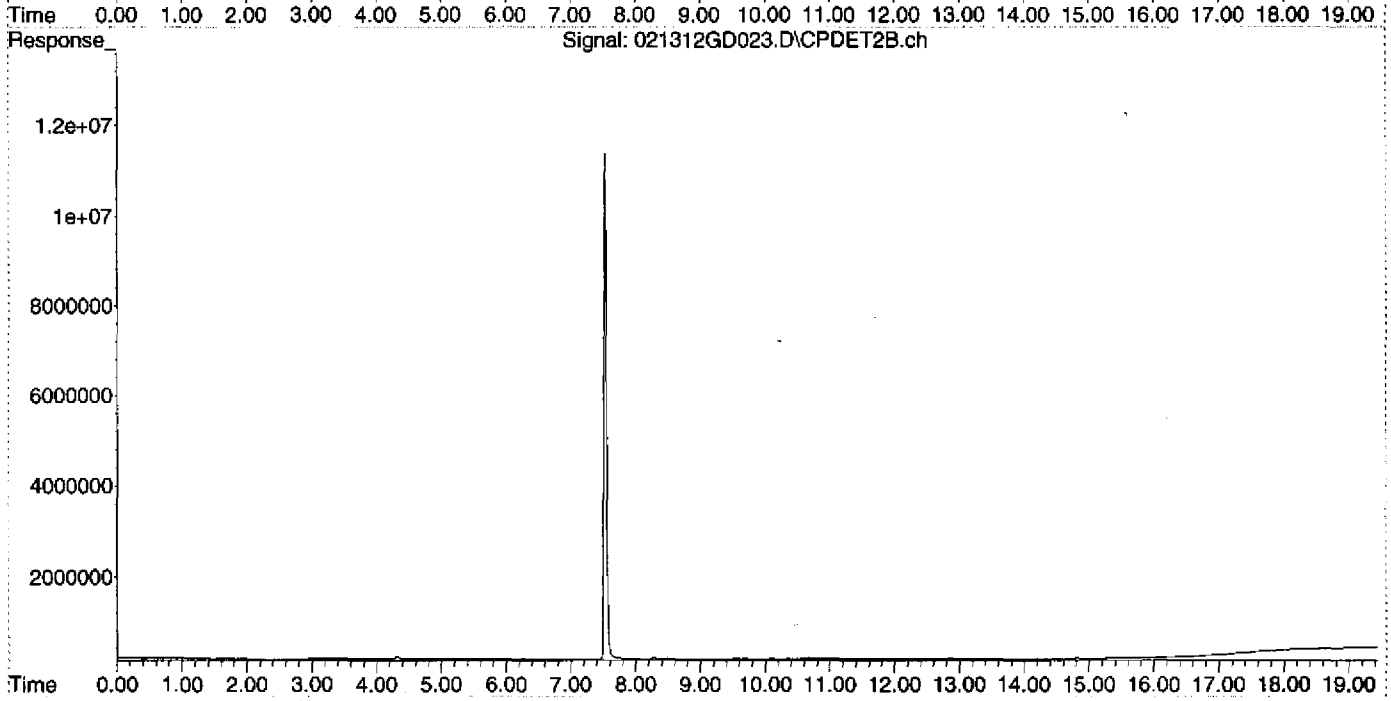
Quantitation Report (Not Reviewed)

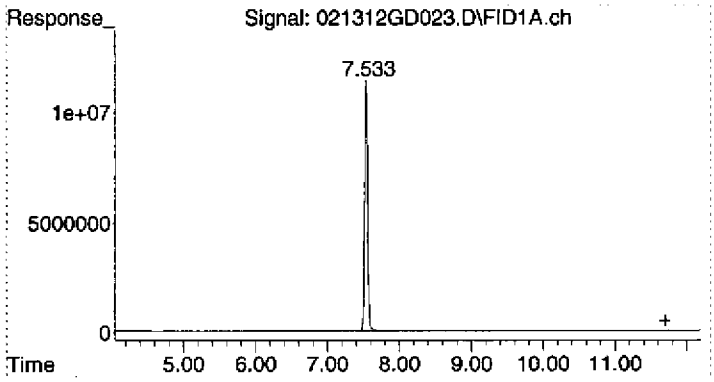
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 20:27
Operator : YNB
Sample : 1202034-10
Misc : TB37,A, WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	1192682
Conc:	0.54 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 20:56
Operator : YNB
Sample : 1202034-11
Misc : HW16,C, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	327406031	136.190 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 108.95%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

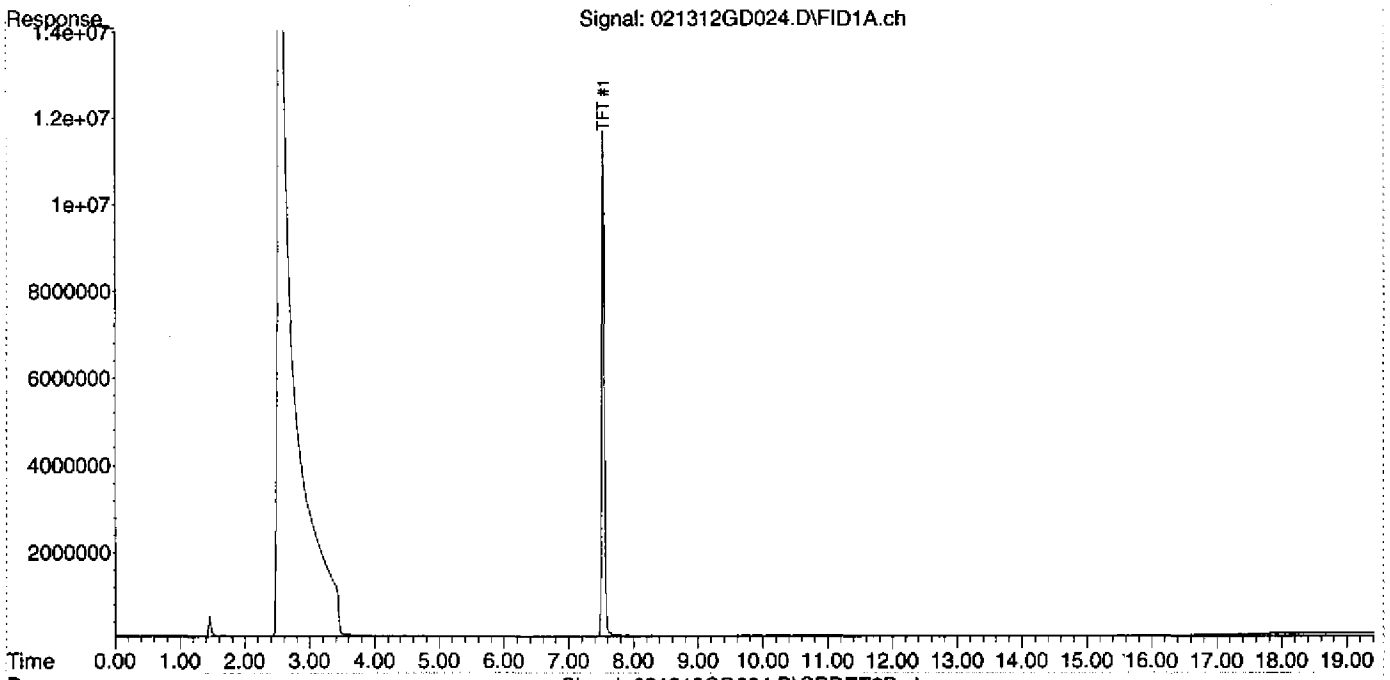
(f)=RT Delta > 1/2 Window (m)=manual int.

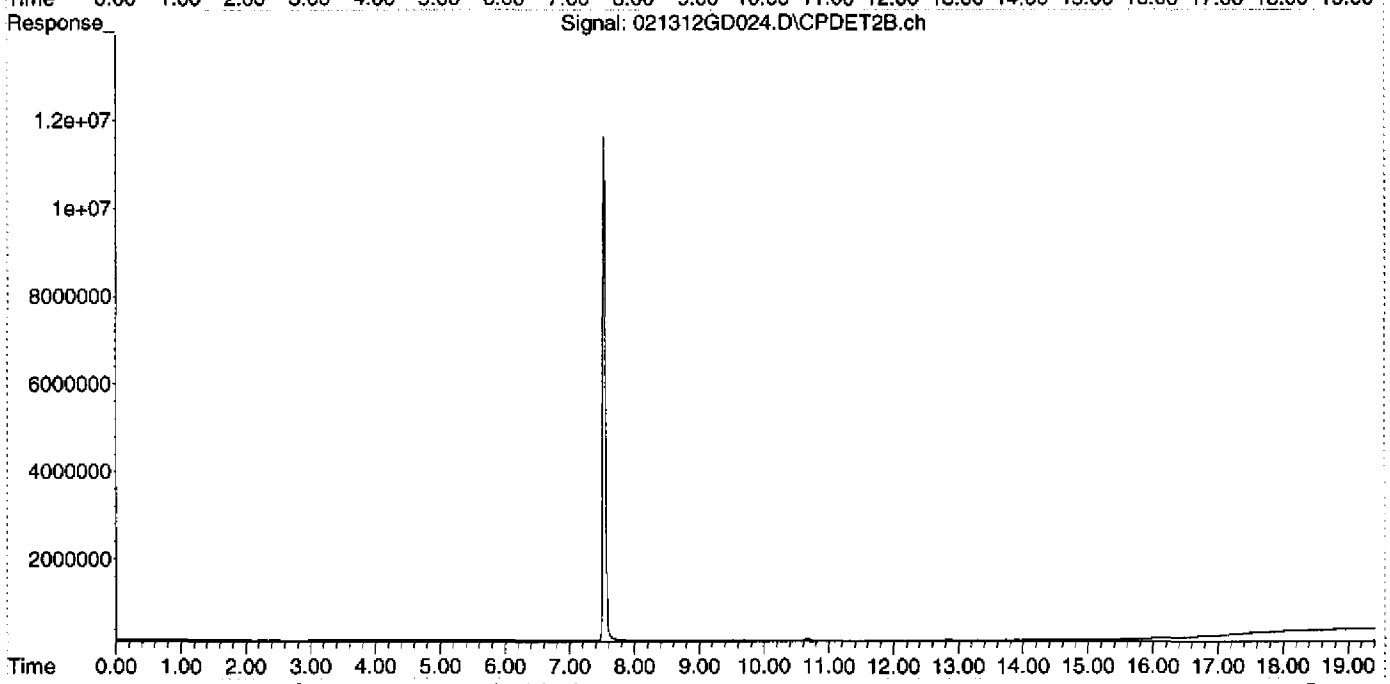
Quantitation Report (Not Reviewed)

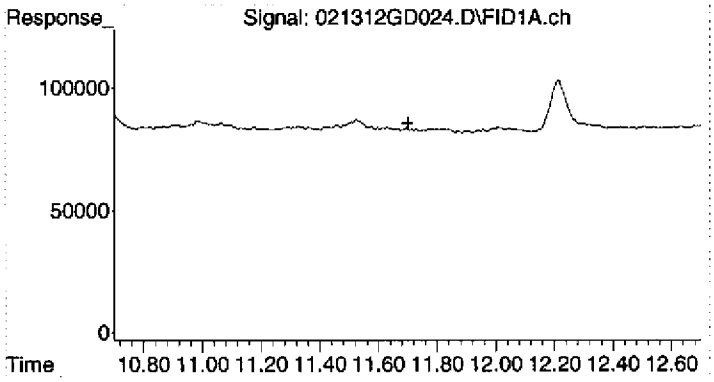
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 20:56
Operator : YNB
Sample : 1202034-11
Misc : HW16,C, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:37 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 21:24
Operator : YNB
Sample : 1202034-12
Misc : HW16-P,C, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:42 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	331654338	137.958 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 110.37%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1206314	0.542 ug/L

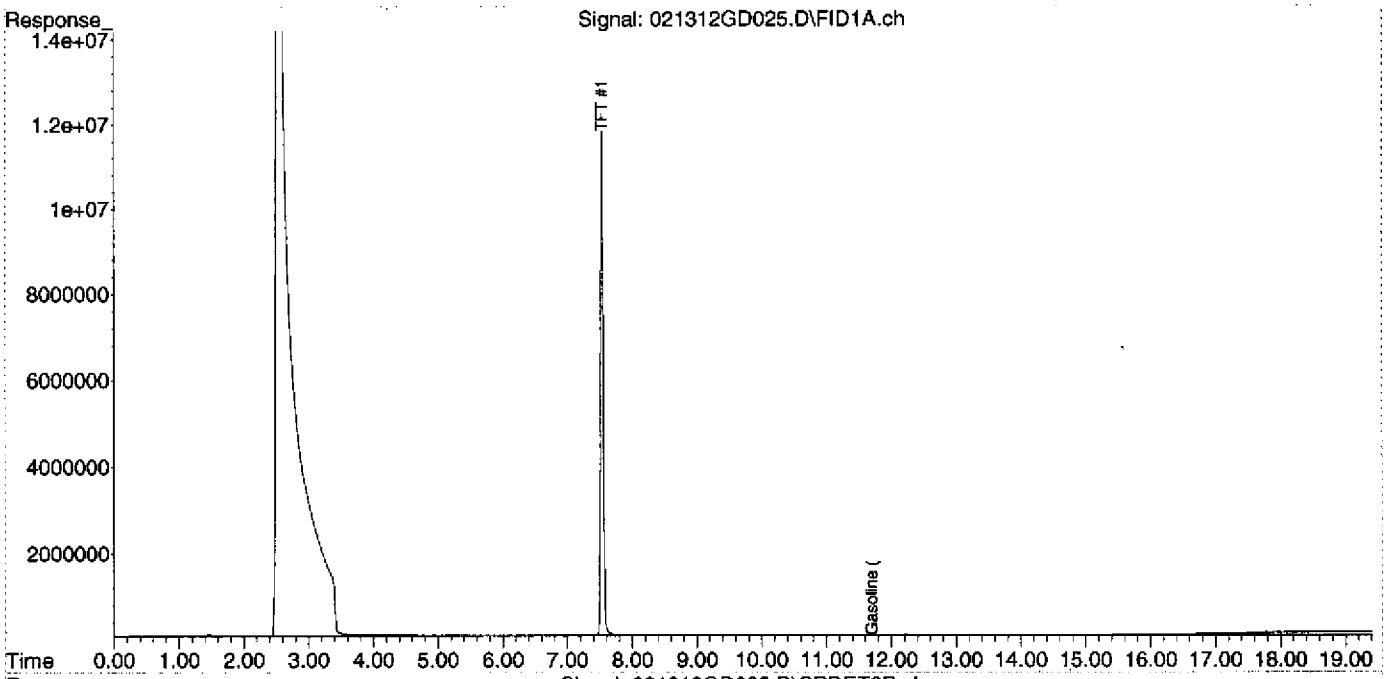
(f)=RT Delta > 1/2 Window (m)=manual int.

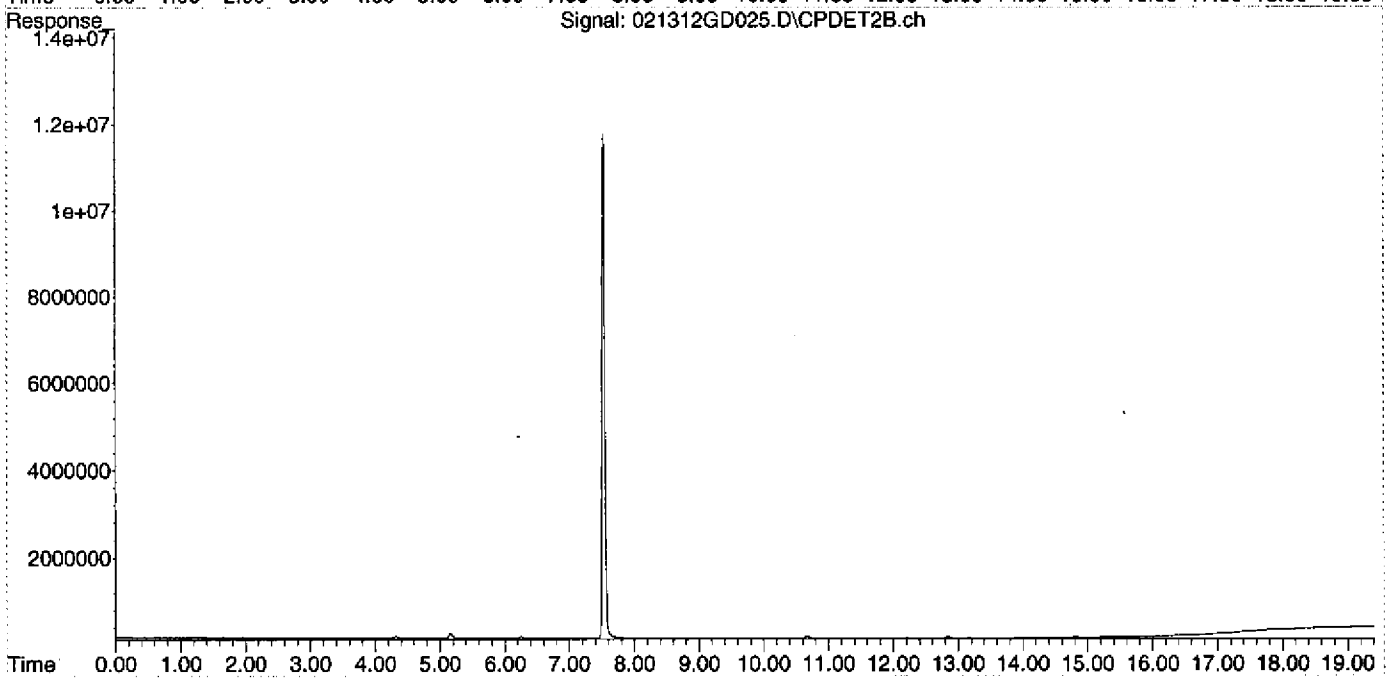
Quantitation Report (Not Reviewed)

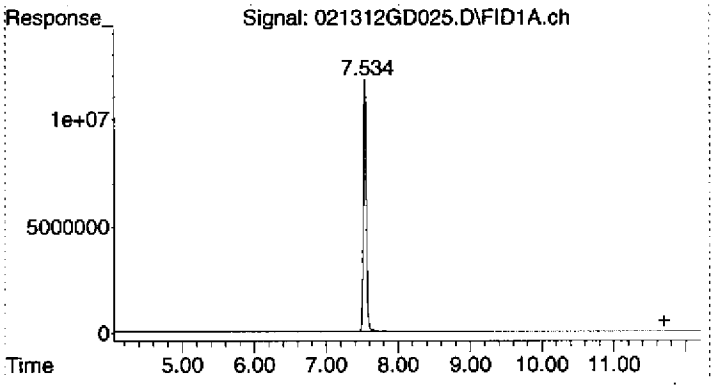
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 21:24
Operator : YNB
Sample : 1202034-12
Misc : HW16-P,C, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:42 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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:	1206314
Conc:	0.54 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 21:52
Operator : YNB
Sample : 1202034-13
Misc : HW16z,C, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:47 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 : AG5975D 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	325761591	135.506 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 108.40%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

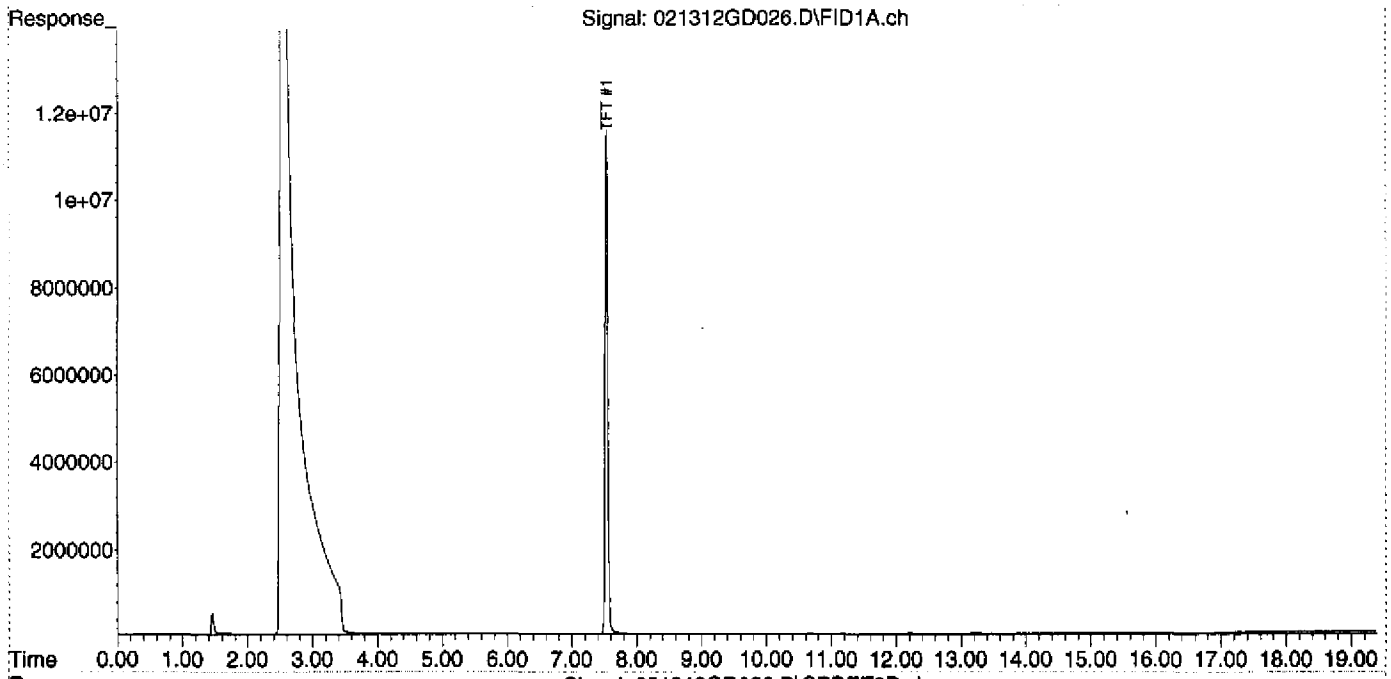
(f)=RT Delta > 1/2 Window (m)=manual int.

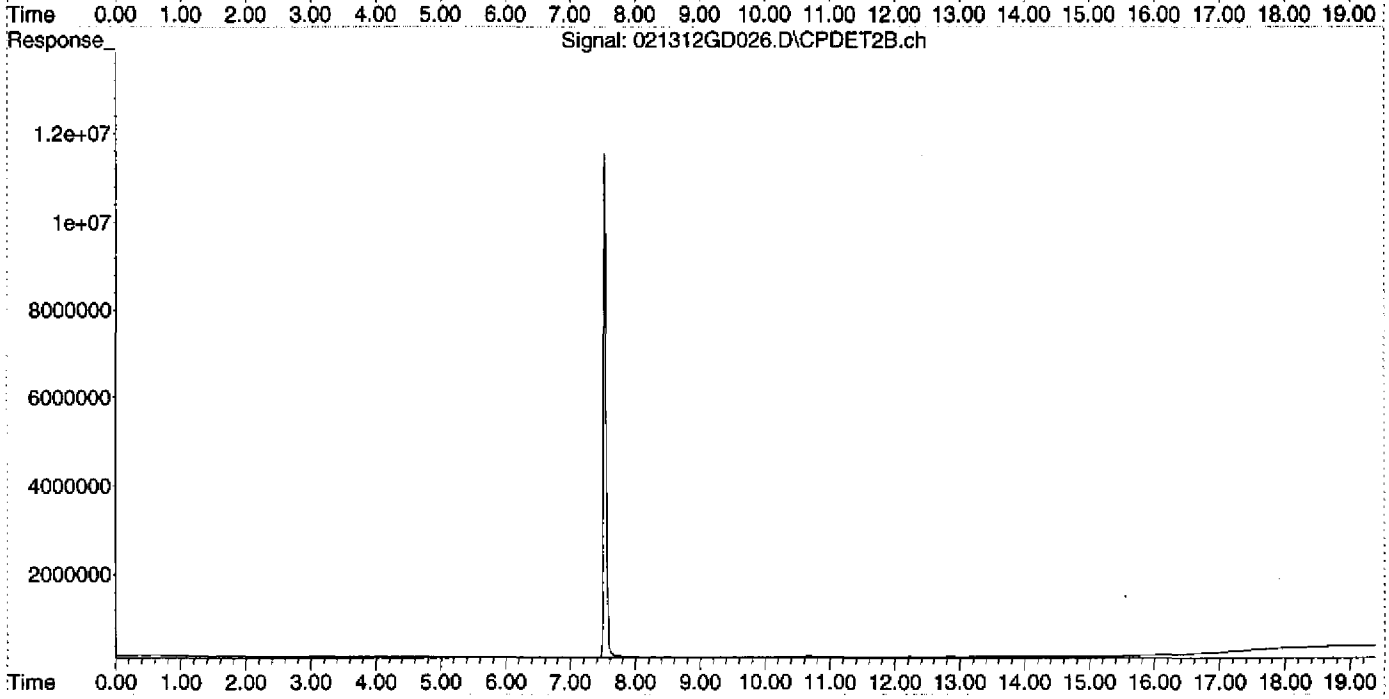
Quantitation Report (Not Reviewed)

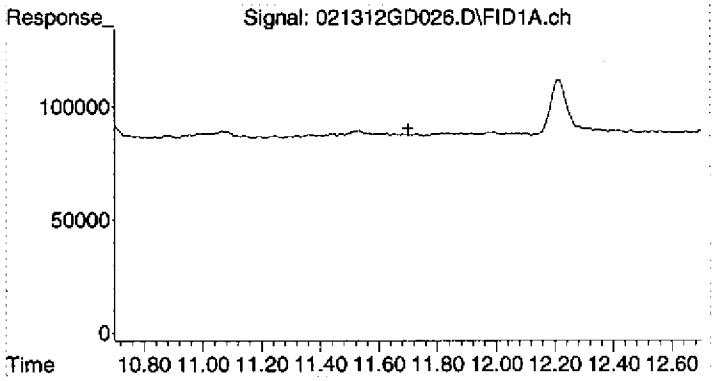
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 21:52
Operator : YNB
Sample : 1202034-13
Misc : HW16z,C, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:47 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 : AG5975D 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\021312DGAS\
Data File : 021312GD027.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 22:20
Operator : YNB
Sample : 1202034-14
Misc : TB38,A, WATER
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:52 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 : AG5975D 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	340617573	141.686 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 113.35%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	895244	0.402 ug/L

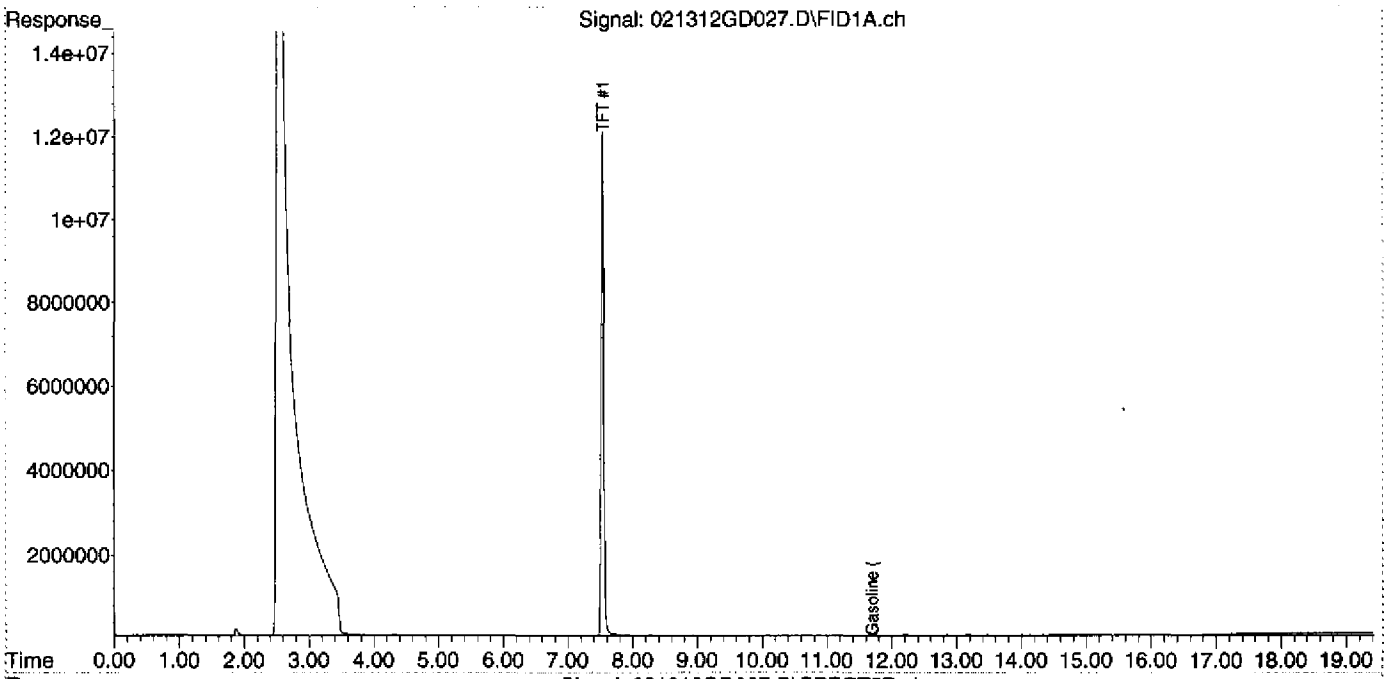
(f)=RT Delta > 1/2 Window (m)=manual int.

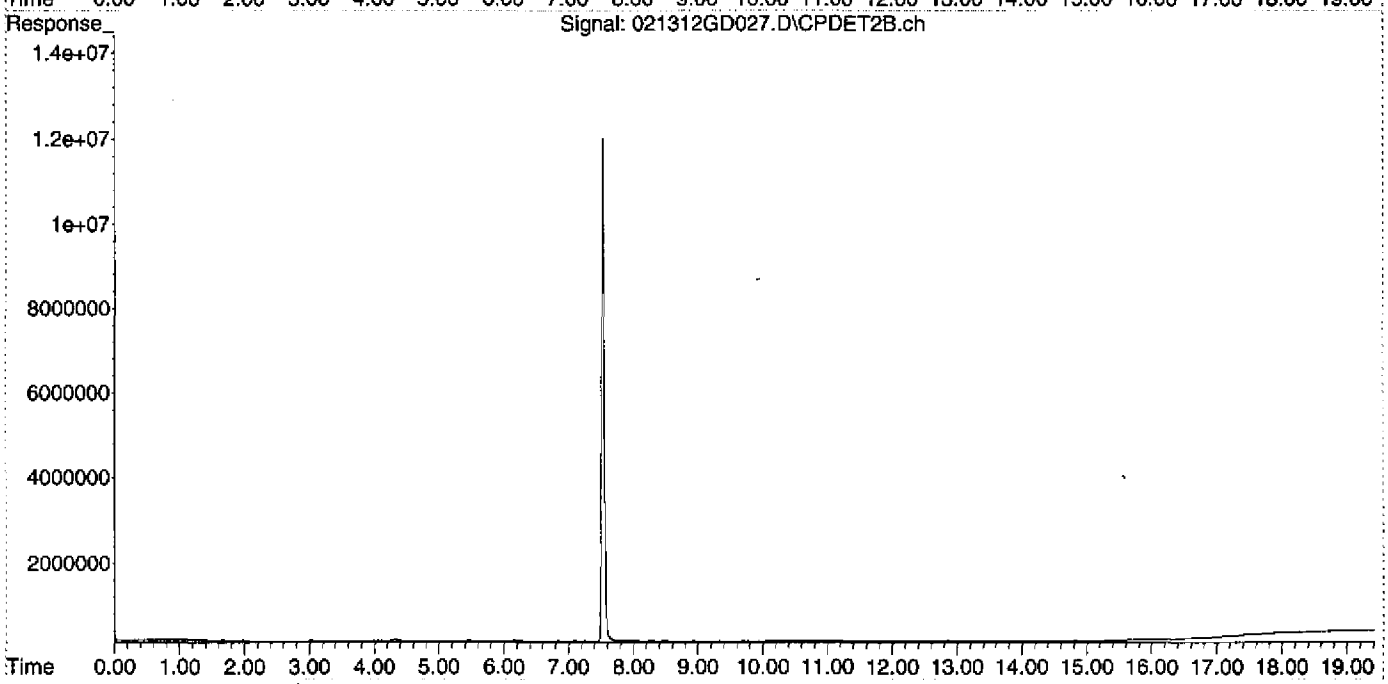
Quantitation Report (Not Reviewed)

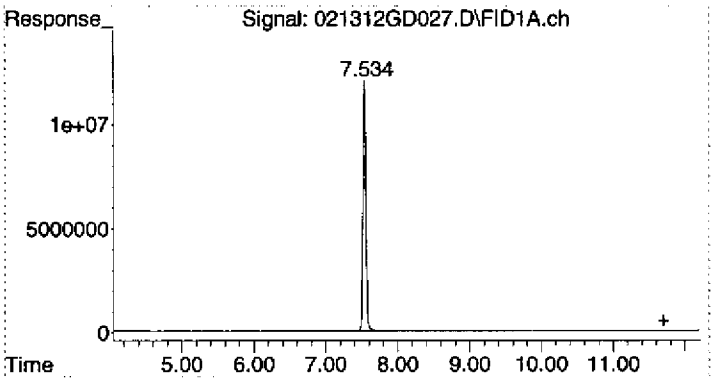
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD027.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 22:20
Operator : YNB
Sample : 1202034-14
Misc : TB38,A, WATER
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:52 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 : AG5975D 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:	895244
Conc:	0.40 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD028.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 22:48
Operator : YNB
Sample : 1202034-16
Misc : NW54-P,C, WATER
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:57 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 : AG5975D 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	338454670	140.786	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 112.63%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

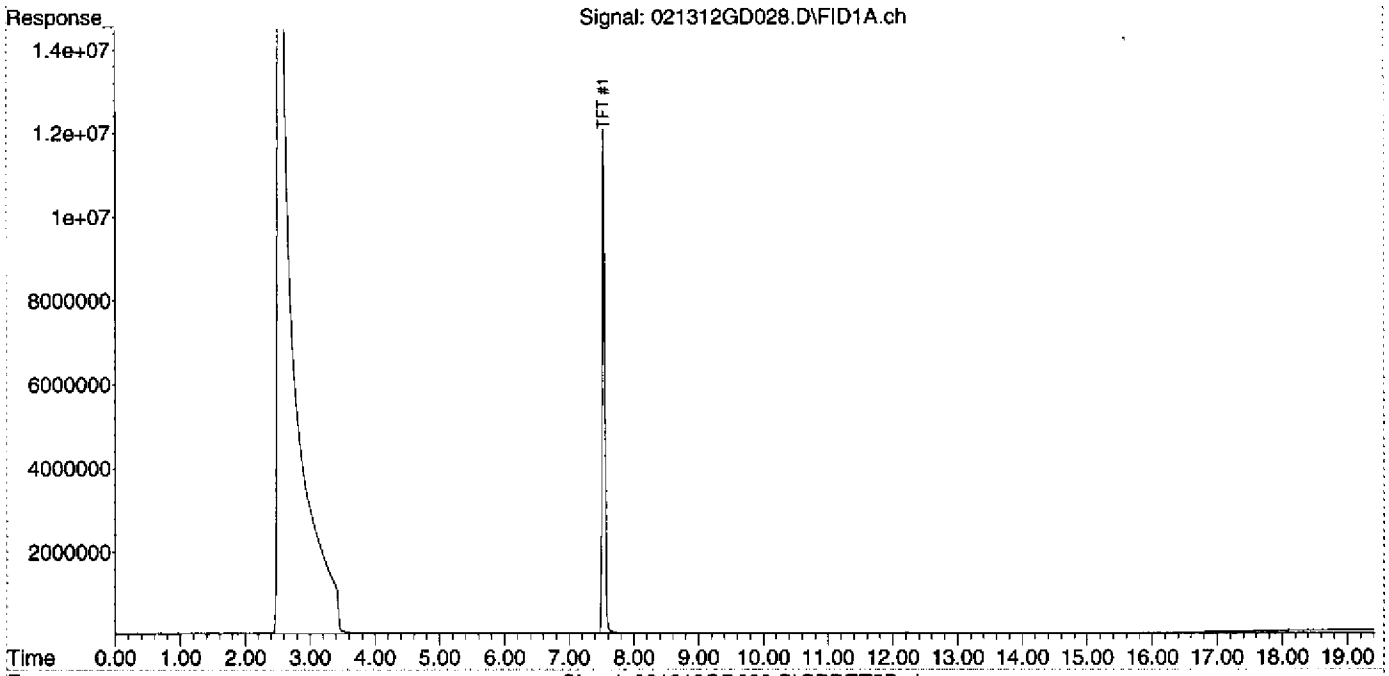
(f)=RT Delta > 1/2 Window (m)=manual int.

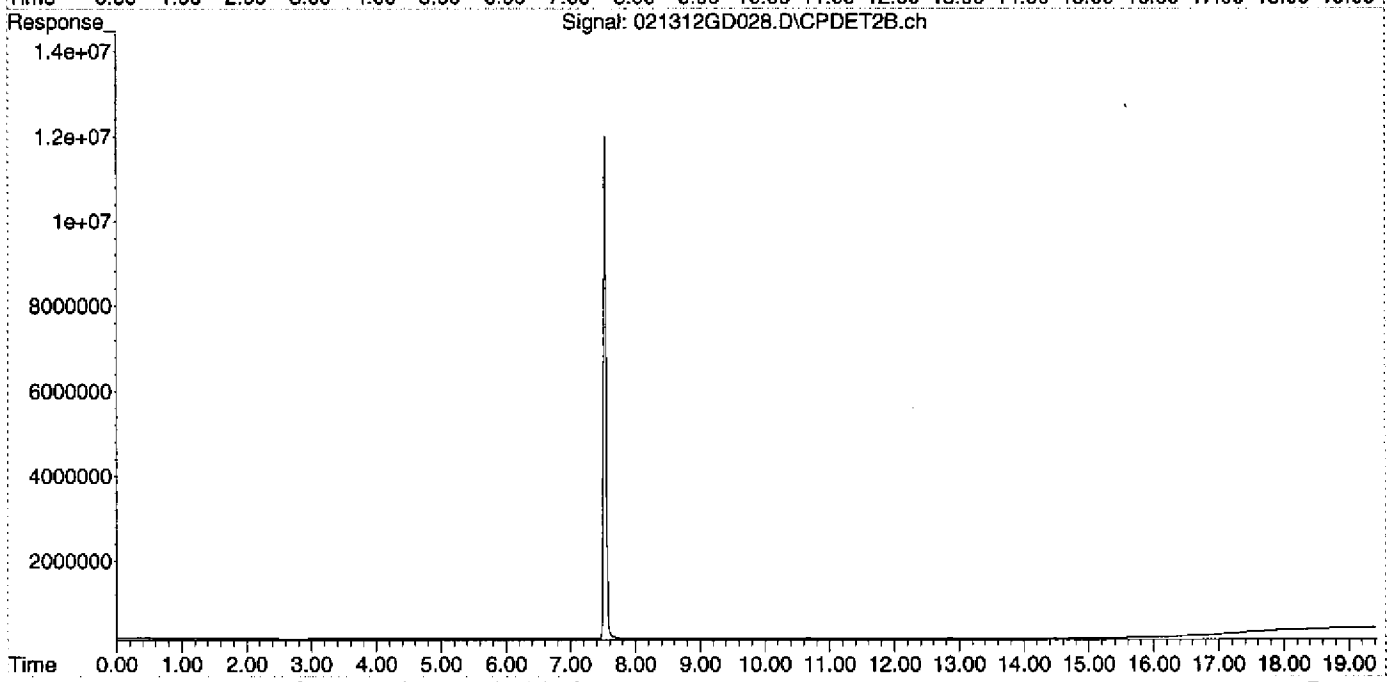
Quantitation Report (Not Reviewed)

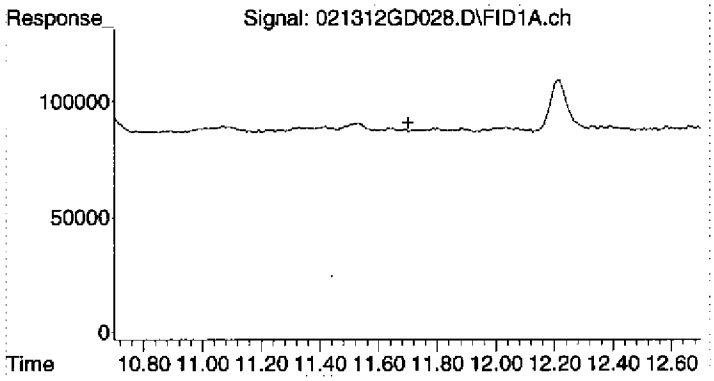
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD028.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 22:48
Operator : YNB
Sample : 1202034-16
Misc : NW54-P,C, WATER
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:52:57 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 : AG5975D
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:	0
Conc:	N.D.

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD029.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 23:17
Operator : YNB
Sample : 1202034-17
Misc : TB39,A, WATER
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:01 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 : AG5975D 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	335452509	139.537 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 111.63%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	560543	0.252 ug/L

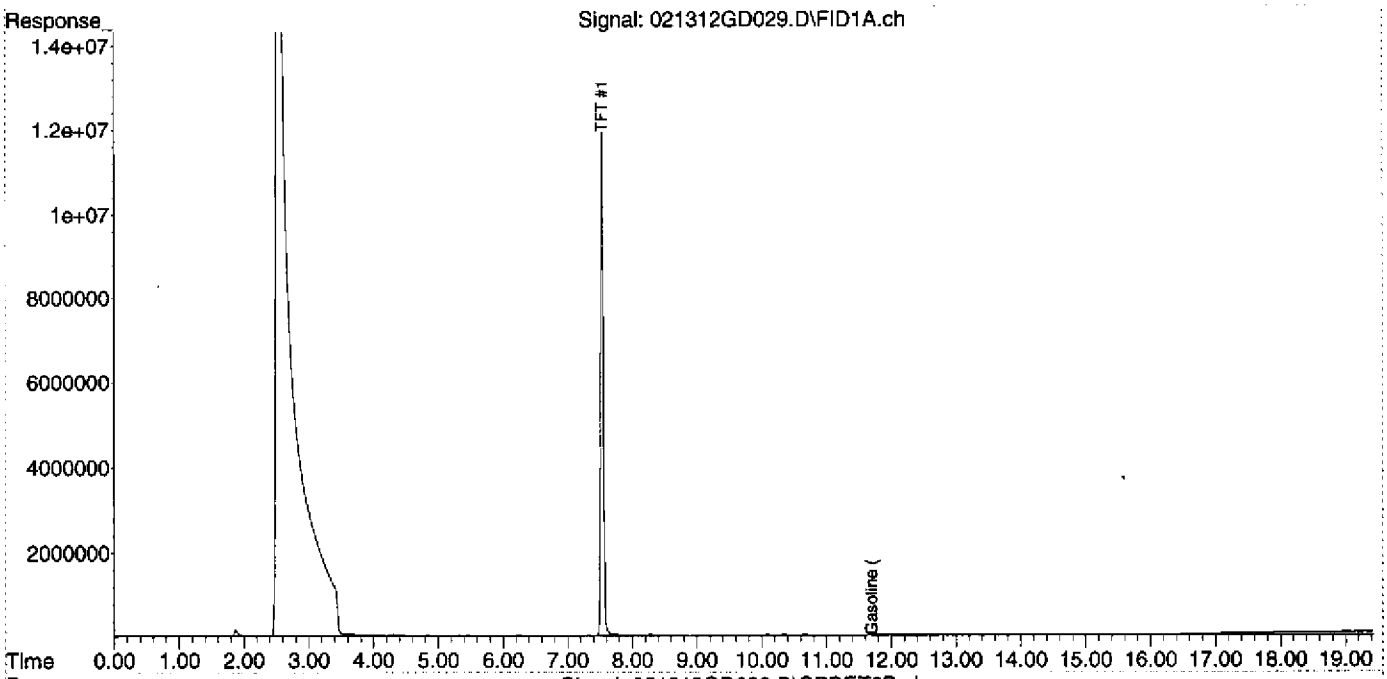
(f)=RT Delta > 1/2 Window (m)=manual int.

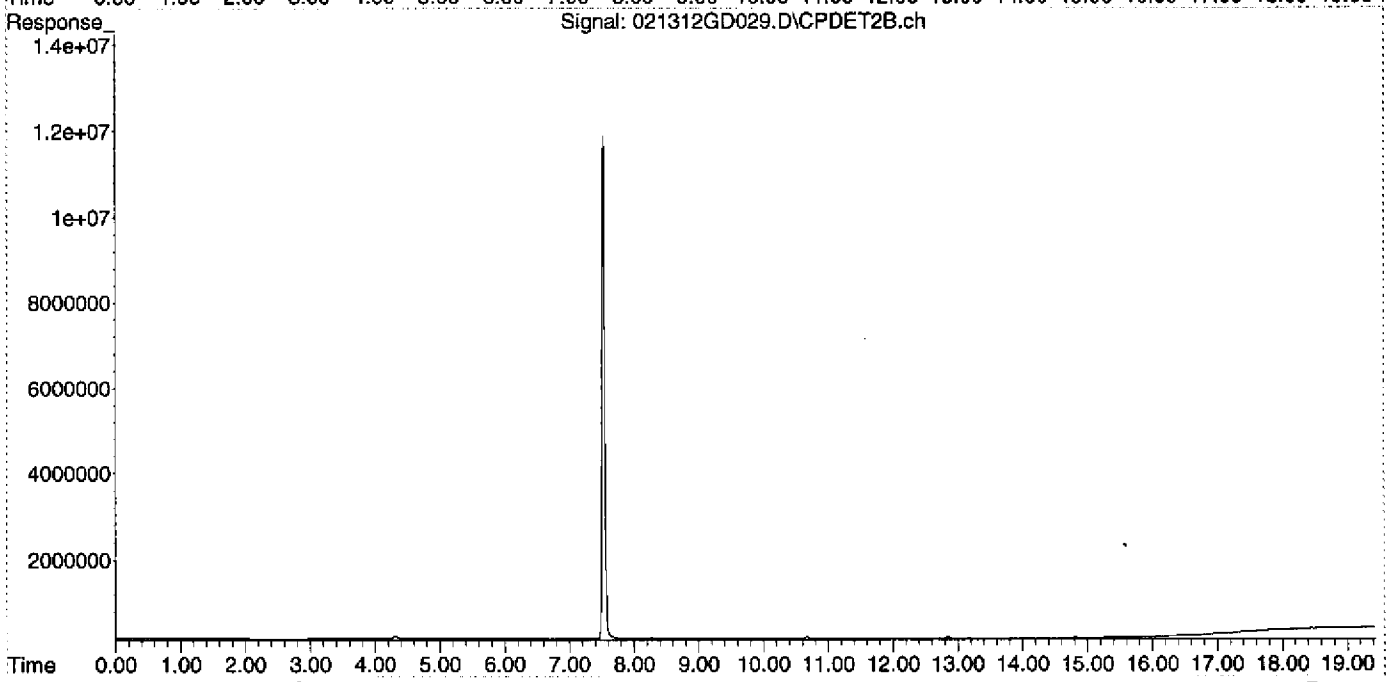
Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD029.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 23:17
Operator : YNB
Sample : 1202034-17
Misc : TB39,A, WATER
ALS Vial : 29 Sample Multiplier: 1

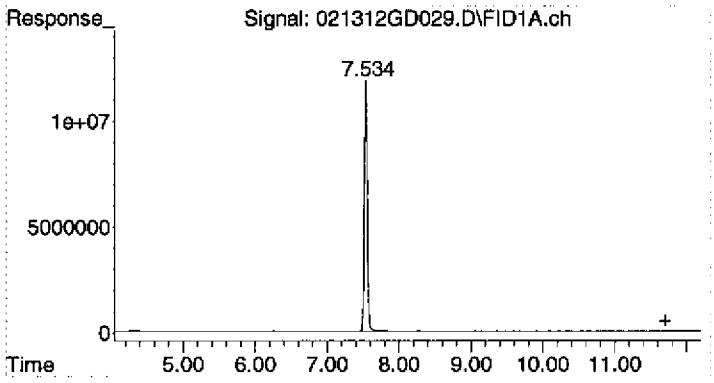
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:01 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID





00176



#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	560543
Conc:	0.25 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD031.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 00:14
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:10 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 : AG5975D 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	343005712	142.679 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 114.14%	
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

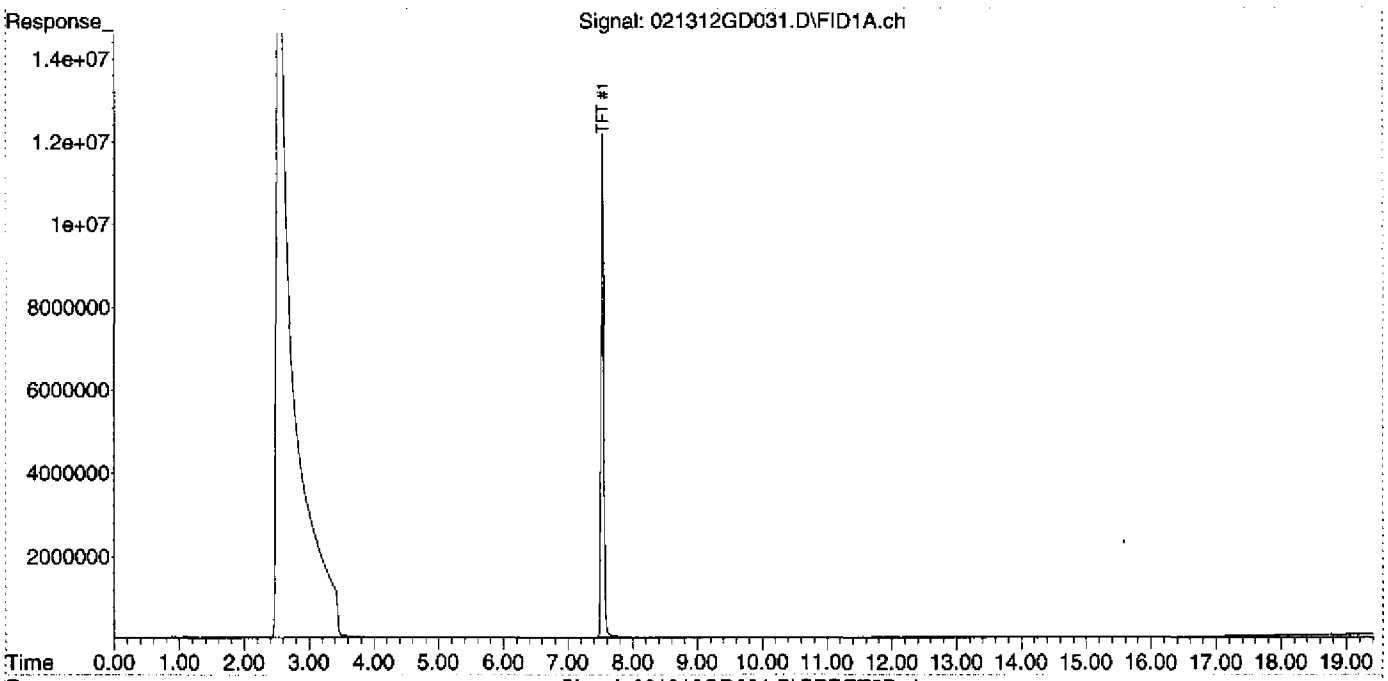
(f)=RT Delta > 1/2 Window (m)=manual int.

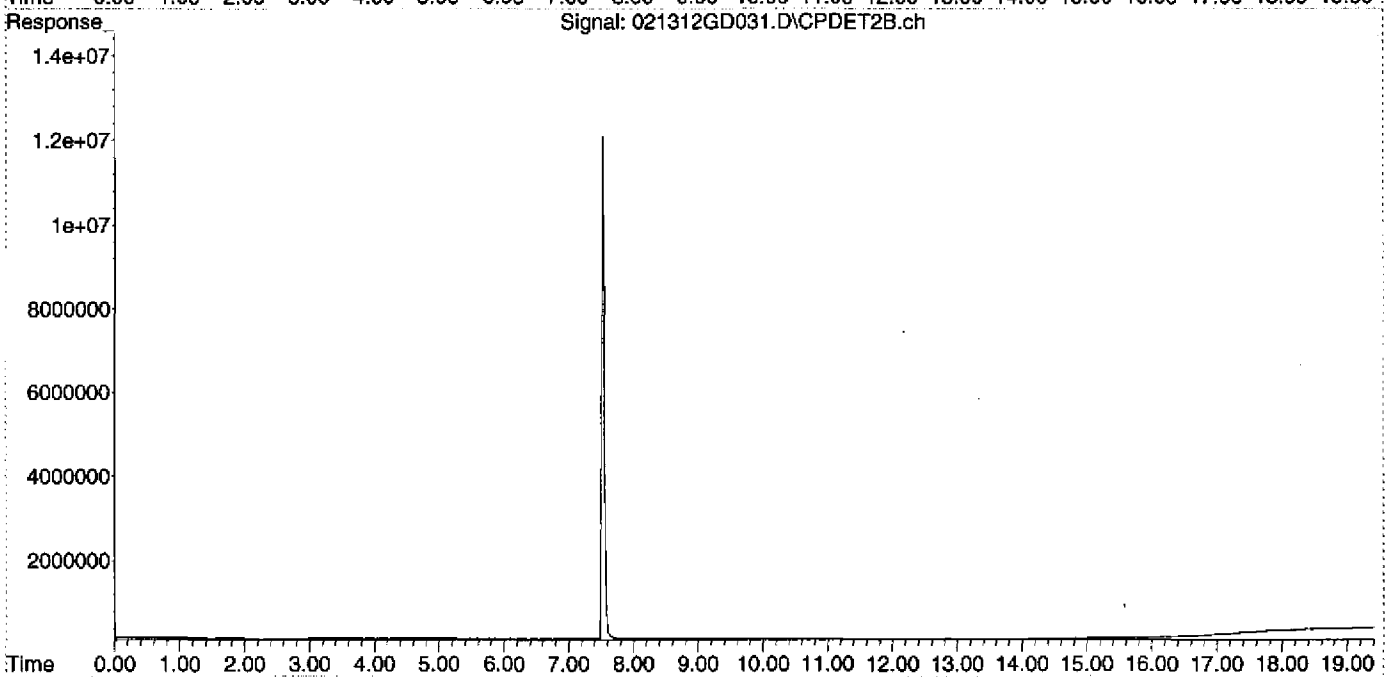
Quantitation Report (Not Reviewed)

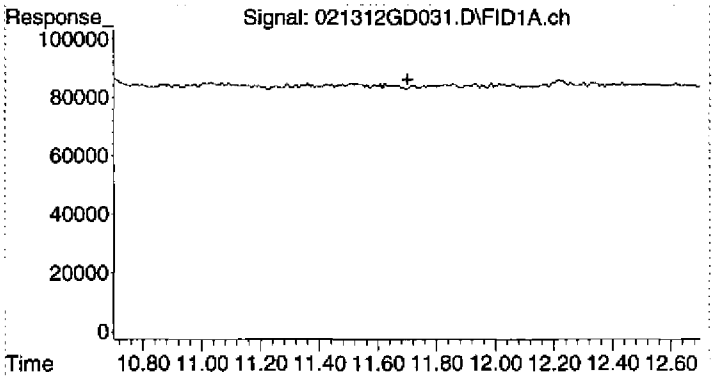
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD031.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 00:14
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:10 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 : AG5975D 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\021312DGAS\
Data File : 021312GD032.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 00:43
Operator : YNB
Sample : 2020045-CCV4
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	2.086 E6	6.3	89	0.00
2 S TFT #1	2.404	2.667 E6	-10.9	111	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\021312DGAS\
Data File : 021312GD032.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 00:43
Operator : YNB
Sample : 2020045-CCV4
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	333422566	138.693 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 110.95%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1042925763	468.421 ug/L

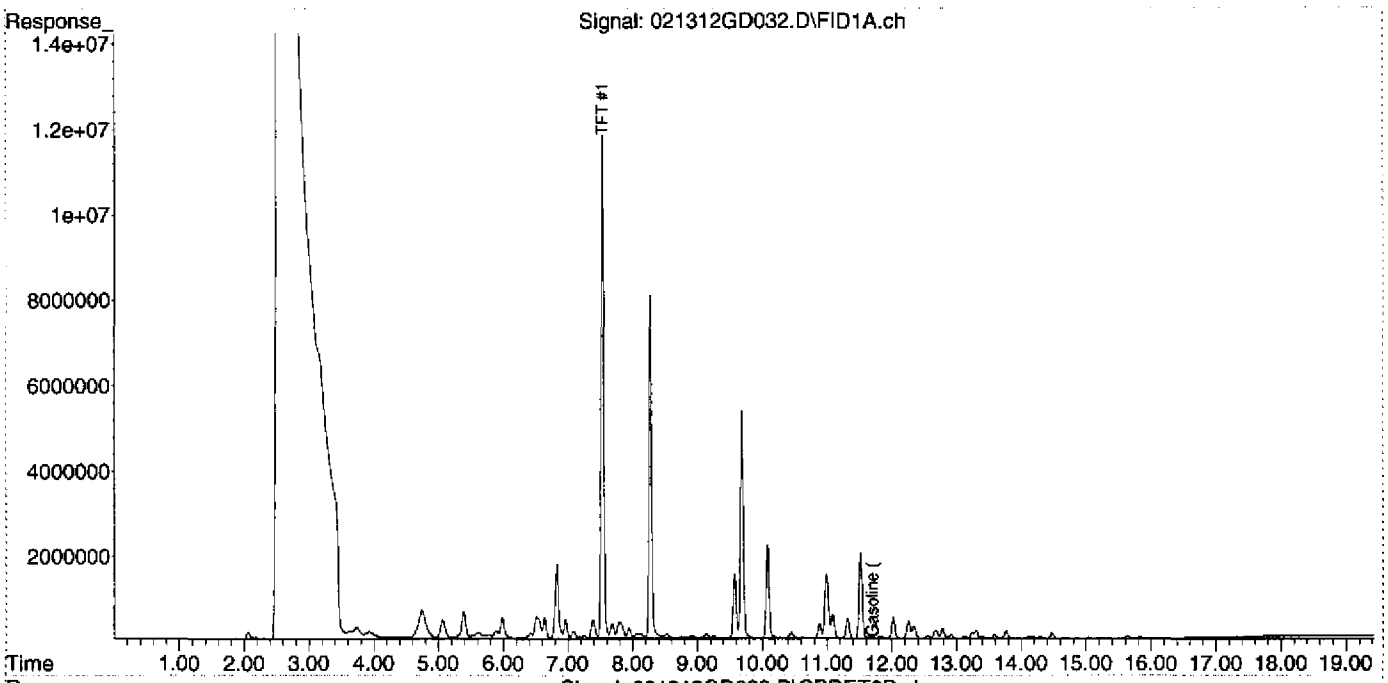
(f)=RT Delta > 1/2 Window (m)=manual int.

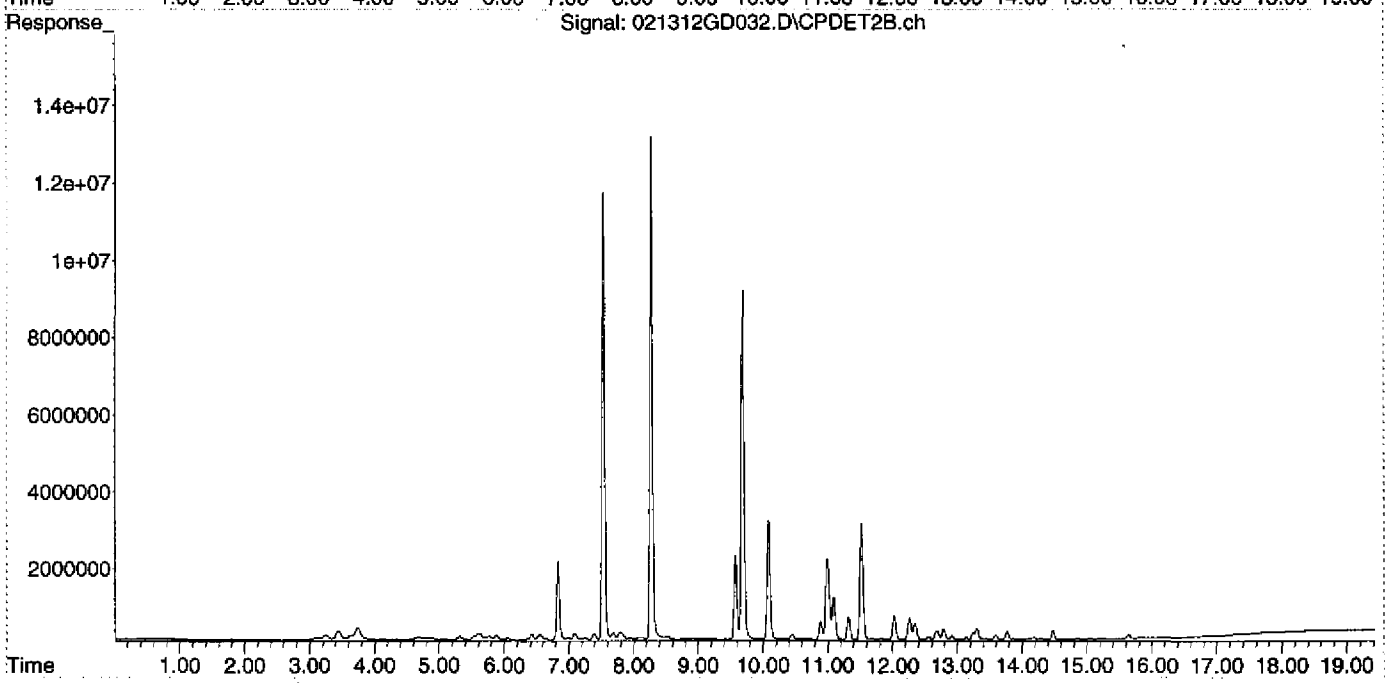
Quantitation Report (Not Reviewed)

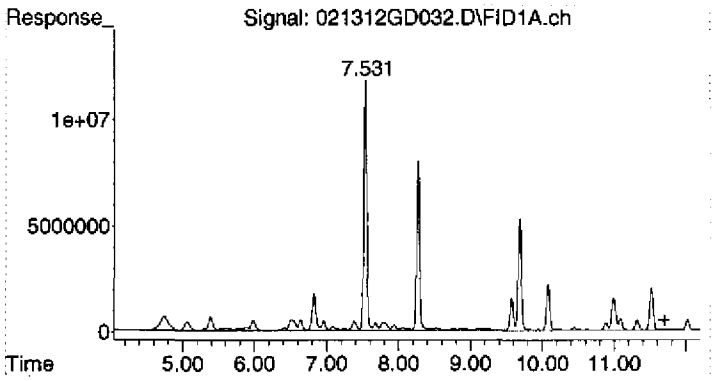
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD032.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 00:43
Operator : YNB
Sample : 2020045-CCV4
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:15 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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: 1042925763
Conc: 468.42 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD033.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 1:11
Operator : YNB
Sample : 2020045-CCV5
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D 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	336223572	139.858 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 111.89%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1073952318	482.356 ug/L

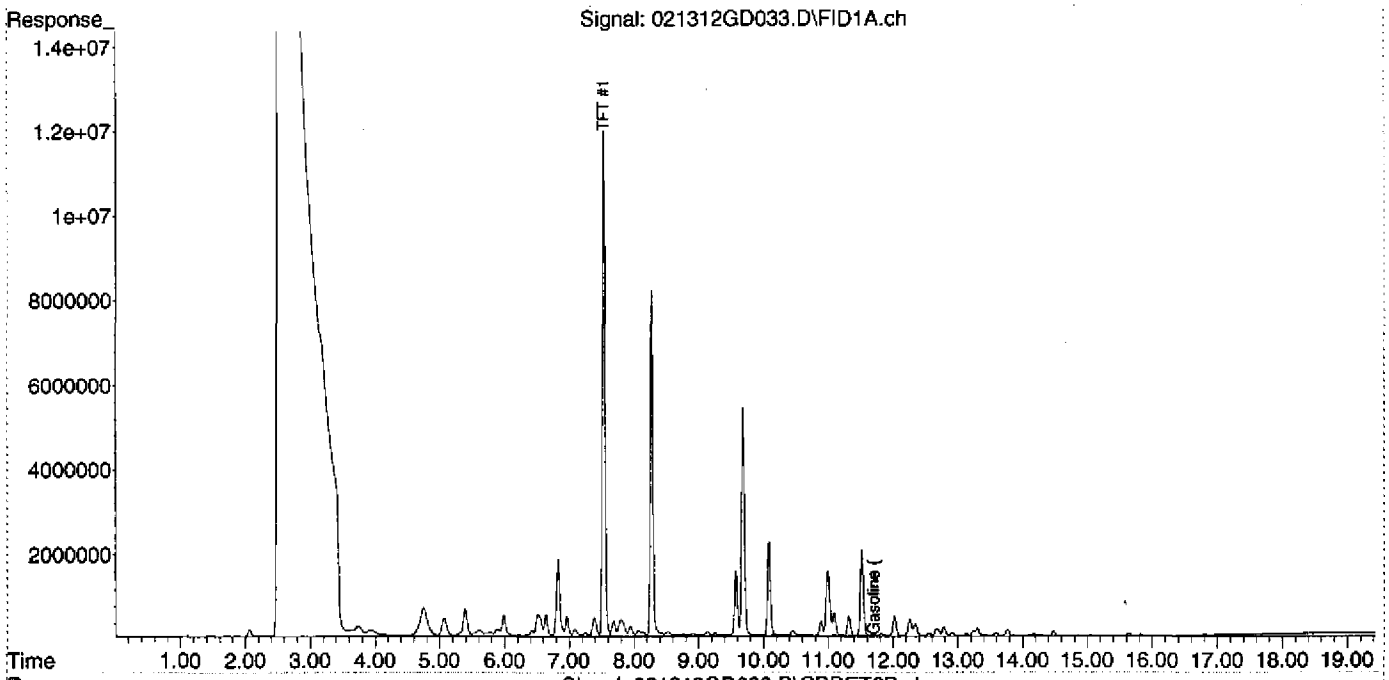
(f)=RT Delta > 1/2 Window (m)=manual int.

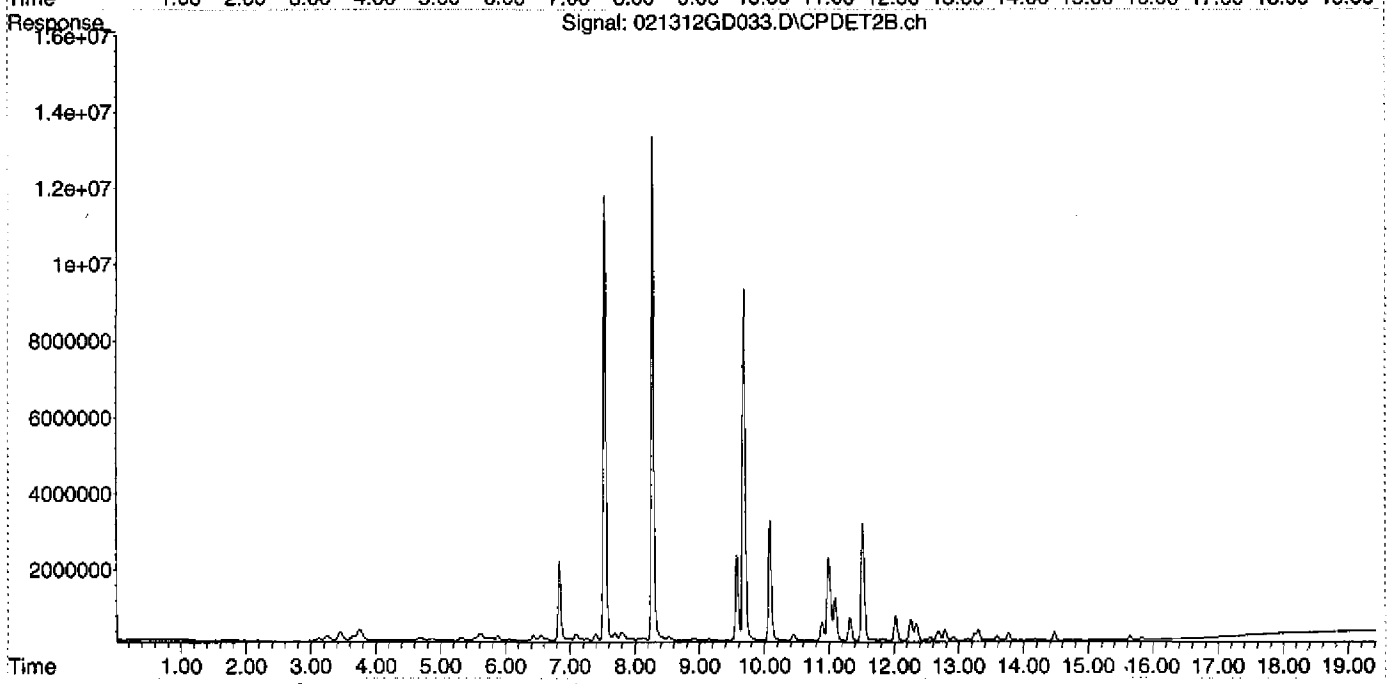
Quantitation Report (Not Reviewed)

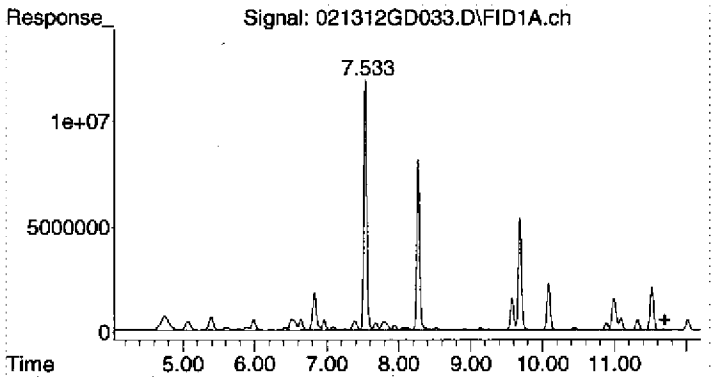
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD033.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 14 Feb 2012 1:11
Operator : YNB
Sample : 2020045-CCV5
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 mL
Signal #1 Phase : AG5975D
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: 1073952318
Conc: 482.36 ug/L

MISCELLANEOUS DATA

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD030.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 23:45
Operator : YNB
Sample : 2020045-SB1
Misc : SB 01/03/12, WATER
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:05 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 : AG5975D Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S TFT #1	7.521	333766978	138.836	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 111.07%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

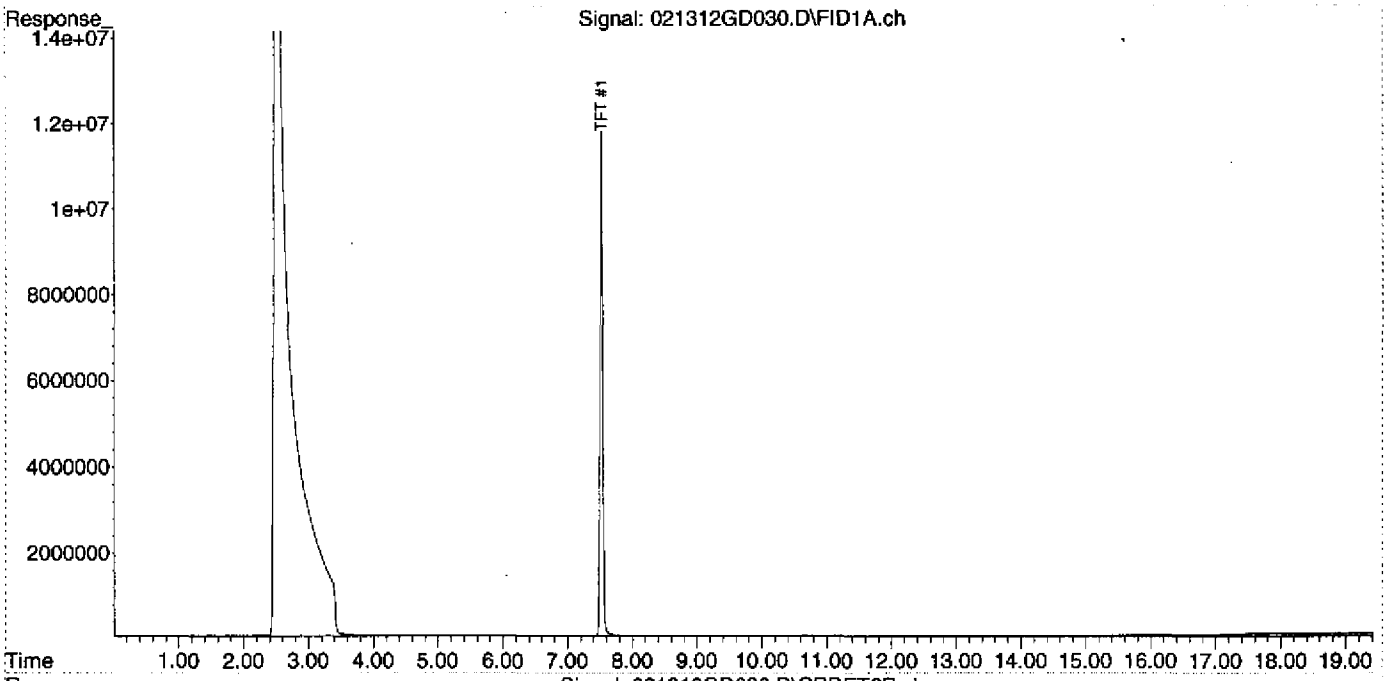
(f)=RT Delta > 1/2 Window (m)=manual int.

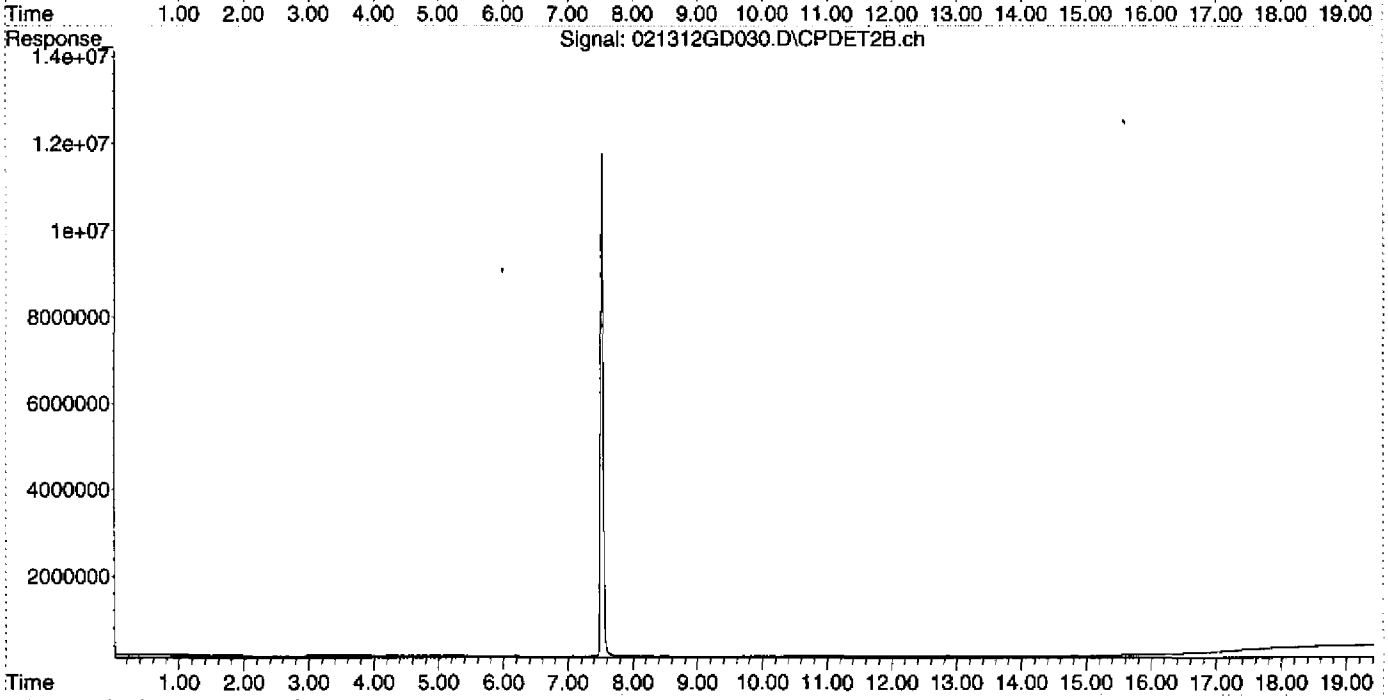
Quantitation Report (Not Reviewed)

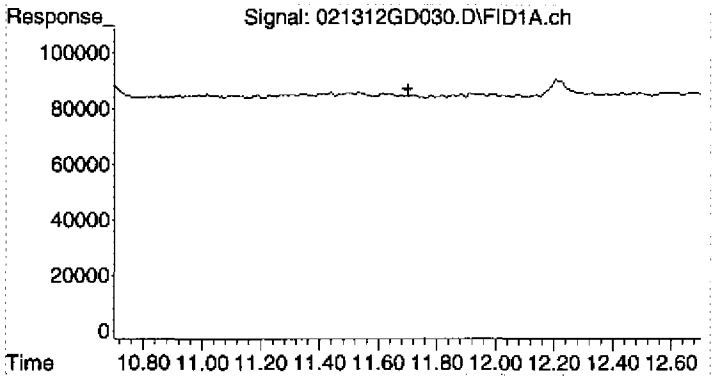
Data Path : D:\MSDCHEM\2012\data\021312DGAS\
Data File : 021312GD030.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 13 Feb 2012 23:45
Operator : YNB
Sample : 2020045-SB1
Misc : SB 01/03/12, WATER
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 14 06:53:05 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 : AG5975D 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.

STANDARDS RECORDS

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

: 00191

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

Analytical Standard Record

EPA Region 9 Laboratory

1J17001

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

200 uL in 10mL of MeOH (1H11012)

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

Parent Standards used in this standard:

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

Analytical Standard Record

EPA Region 9 Laboratory

2A10001

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

50uL/10 mL MeOH

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

Parent Standards used in this standard:

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

Analytical Standard Record

EPA Region 9 Laboratory

2A10002

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

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

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
H23006	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 ι	**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)
1123012	GASDRO:Lacquer Thinner, Stock	09/23/11	** Vendor **	04/30/19	09/23/11 10:23 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10011

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

50 uL in 10mL of MeOH

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

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
1123004	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 Sta	03/22/11	** Vendor **	09/30/16	03/22/11 11:18 by YNB	0.02

Analytical Standard Record

EPA Region 9 Laboratory

2A24003

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

MeOH Lot# DB939

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

Parent Standards used in this standard:

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