United States Environmental Protection Agency
Region 9 Laboratory

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

Date: 2/8/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12033A

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

DIM0278254

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:** 12033A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/08/12 17:30
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW32	1202005-01	Water	02/01/12 10:45	02/02/12 09:40
HW32-P	1202005-02	Water	02/01/12 10:50	02/02/12 09:40
HW33	1202005-03	Water	02/01/12 10:49	02/02/12 09:40
HW33a-P	1202005-04	Water	02/01/12 10:42	02/02/12 09:40
HW33b-P	1202005-05	Water	02/01/12 11:42	02/02/12 09:40
TB12	1202005-06	Water	02/01/12 07:20	02/02/12 09:40
FB07	1202005-07	Water	01/31/12 14:15	02/02/12 09:40
HW26-P	1202005-08	Water	01/31/12 11:37	02/02/12 09:40
HW29	1202005-09	Water	01/31/12 18:18	02/02/12 09:40
HW29z	1202005-10	Water	01/31/12 18:18	02/02/12 09:40
HW35	1202005-11	Water	01/31/12 11:49	02/02/12 09:40
HW52	1202005-12	Water	01/31/12 15:22	02/02/12 09:40
TB10	1202005-13	Water	01/31/12 07:20	02/02/12 09:40
TB11	1202005-14	Water	01/31/12 07:25	02/02/12 09:40
TB13	1202005-15	Water	02/01/12 07:23	02/02/12 09:40
HW26	1202005-16	Water	01/31/12 10:26	02/02/12 09:40

SDG ID 12033A

TPH-Purgeables:
Bottles for samples 1202005-01 (HW32) 1202005-02 (HW32-P), and 1202005-15 (TB13) were received at 9 degrees Celcius. This is above the recommended transport and storage temperature of 0 - 6 dgrees C. No significant effect on the data is expected.

Work Order(s)

1202005

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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12033A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/08/12 17:30
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202005-01									**Water - Sampled: 02/01/12 10:45**
Sample ID: HW32									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			104 %	*76-121%*		"	"	"	
Lab ID: 1202005-02									**Water - Sampled: 02/01/12 10:50**
Sample ID: HW32-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			101 %	*76-121%*		"	"	"	
Lab ID: 1202005-03									**Water - Sampled: 02/01/12 10:49**
Sample ID: HW33									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202005-04									**Water - Sampled: 02/01/12 10:42**
Sample ID: HW33a-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-05									**Water - Sampled: 02/01/12 11:42**
Sample ID: HW33b-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-06									**Water - Sampled: 02/01/12 07:20**
Sample ID: TB12									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-07									**Water - Sampled: 01/31/12 14:15**
Sample ID: FB07									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202005-08									**Water - Sampled: 01/31/12 11:37**
Sample ID: HW26-P									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-09									**Water - Sampled: 01/31/12 18:18**
Sample ID: HW29									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380

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Project Manager: Richard Fetzer	**US EPA Region 3, Eastern Response Branch**	**SDG:** 12033A
Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/08/12 17:30
Project: Dimock Residential Groundwater	**Stroudsburg PA, 18360**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202005-09									**Water - Sampled: 01/31/12 18:18**
Sample ID: HW29									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
Surrogate: a,a,a-Trifluorotoluene			108 %	*76-121%*		*B2B0011*	*02/02/12*	*02/02/12*	
Lab ID: 1202005-10									**Water - Sampled: 01/31/12 18:18**
Sample ID: HW29z									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			100 %	*76-121%*		"	"	"	
Lab ID: 1202005-11									**Water - Sampled: 01/31/12 11:49**
Sample ID: HW35									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			101 %	*76-121%*		"	"	"	
Lab ID: 1202005-12									**Water - Sampled: 01/31/12 15:22**
Sample ID: HW52									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-13									**Water - Sampled: 01/31/12 07:20**
Sample ID: TB10									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	
Lab ID: 1202005-14									**Water - Sampled: 01/31/12 07:25**
Sample ID: TB11									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			106 %	*76-121%*		"	"	"	
Lab ID: 1202005-15									**Water - Sampled: 02/01/12 07:23**
Sample ID: TB13									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			102 %	*76-121%*		"	"	"	
Lab ID: 1202005-16									**Water - Sampled: 01/31/12 10:26**
Sample ID: HW26									**Purgeable Petroleum Hydrocarbons by EPA Method 8015C**
TPH as Gasoline		ND	U	50	ug/L	B2B0011	02/02/12	02/02/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene			103 %	*76-121%*		"	"	"	

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Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/08/12 17:30
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 B2B0011 - 5030 P&T TPH-G - TPH - Purgeable										**Prepared & Analyzed: 02/02/12**
								Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control		
Blank (B2B0011-BLK1)										
TPH as Gasoline	ND	U	50	ug/L						
Surrogate: a,a,a-Trifluorotoluene	*129*			"	*125*		103	*76-121*		
LCS (B2B0011-BS1)										
TPH as Gasoline	515		50	ug/L	500		103	75-114		200
Surrogate: a,a,a-Trifluorotoluene	*134*			"	*125*		108	*76-121*		
Matrix Spike (B2B0011-MS1)		**Source: 1202005-11**								
TPH as Gasoline	537		50	ug/L	500	ND	107	71-114		11
Surrogate: a,a,a-Trifluorotoluene	*127*			"	*125*		102	*76-121*		
Matrix Spike Dup (B2B0011-MSD1)		**Source: 1202005-11**								
TPH as Gasoline	524		50	ug/L	500	ND	105	71-114	2	11
Surrogate: a,a,a-Trifluorotoluene	*124*			"	*125*		100	*76-121*		

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Project Number: R33911	**100 Gypsum Road**	**Reported:** 02/08/12 17:30
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Qualifiers and Comments

U Not Detected

NR Not Reported

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

81817

ICF INTERNATIONAL

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

DATE: February 8, 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 16 water samples for the Dimock Residential Groundwater Site project, Case R33911, SDG 12033A, Work Order 1202005 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:	**12033A**
Work Order:	**1202005**
ESAT DCN:	**14483**

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: 12033A

Analysis: purgeable TPH

Number of Pages: 188

Reviewer: Baur

- ☑ 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: Report narrative comment re: 9°C for cooler #3.

Reviewer Signature [signature] Date 2/8/12

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ESAT Region 9 | **ICF International**
Case: R33911 | **Analysis:** TPH-gas | **TDF:** 01001084 | **Matrix:** water
DCN: 14483 | **Site:** Dimock Residential Groundwater Site | **SDG:** 12033A

ESAT REGION 9 DATA PACKAGE TECHNICAL REVIEW GUIDE

Reviewer:	Package Prep (P): YMB	Technical (T): TR	Final (F): [illegible]
	Date: 02.06.12	Date: 02/08/12	Date: 2-8-12

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: 14483 | **Site:** Dimock Residential Groundwater Site | **SDG:** 12033A

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 samples were analyzed on the same day when were recieved. MB 02.06.12
- ☐ ☐ ☐ ☑ 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	YMB	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	YWB	Reviewer Initial	[illegible]	Batch/ Sequence	B2B0011/2020005
Instrument ID	AG 5975 D	Date Analyzed	02.02.12	Date	2/3/12	Chemstation Last Update	Wed Jan 25 10:49:01 2012
Cases	R33911			SDGs	12033A		

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

USEPA Region 9 Laboratory
Organic Analysis Summary

Case: R33911
SDG: 12033A
Analysis: TPH GRO

YNB

Sample ID	Sample Runs	
Instrument:	AG5975D	INSTRUMENT
Analysis Date:	2/2/2012	
Sequence:	2020005	
1202005-01	RPT	
1202005-02	RPT	
1202005-03	RPT	
1202005-04	RPT	
1202005-05	RPT	
1202005-06	RPT	
1202005-07	RPT	
1202005-08	RPT	
1202005-09	RPT	
1202005-10	RPT	
1202005-11	RPT	
B2B0011-MS1	RPT	
B2B0011-MSD1	RPT	
1202005-12	RPT	
1202005-13	RPT	
1202005-14	RPT	
1202005-15	RPT	
1202005-16	RPT	
	RPT B2B0011-BLK1	
	RPT B2B0011-BS1	

Definitions

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

01026

SAMPLE TRACKING FORMS

WORK ORDER

1202005

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	2	Yes	Yes	Yes	No	Yes	793181752032
2 Cooler	Cooler	2	Yes	Yes	Yes	No	Yes	793179399566
3 cooler	Cooler	9	Yes	Yes	Yes	No	Yes	798011356783

Date Due:	02/24/12 15:00 (21 day TAT)	SDG:	12033A
Received By:	Chris Cagurangan	Date Received:	02/02/12 09:40
Logged In By:	Chris Cagurangan	Date Logged In:	02/02/12 09:40

Analysis	Hold Time Expires	Comments
1202005-01 HW32 [Water] Sampled 02/01/12 10:45 Pacific		
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Purgeable	02/15/12	
TPH - Extractable	02/08/12	
1202005-02 HW32-P [Water] Sampled 02/01/12 10:50 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Extractable	02/08/12	
1202005-03 HW33 [Water] Sampled 02/01/12 10:49 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Extractable	02/08/12	
1202005-04 HW33a-P [Water] Sampled 02/01/12 10:42 Pacific		
TPH - Extractable	02/08/12	
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results

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

Analysis	Hold Time Expires	Comments

Analysis	Expires	Comments
1202005-05 HW33b-P [Water] Sampled 02/01/12 11:42 Pacific		
Dissolved HC Gases	02/15/12	5 day prelim results
TPH - Extractable	02/08/12	
TPH - Purgeable	02/15/12	
1202005-06 TB12 [Water] Sampled 02/01/12 07:20 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
1202005-07 FB07 [Water] Sampled 01/31/12 14:15 Pacific		
Dissolved HC Gases	02/14/12	5 day prelim results
TPH - Extractable	02/07/12	
TPH - Purgeable	02/14/12	
1202005-08 HW26-P [Water] Sampled 01/31/12 11:37 Pacific		
TPH - Purgeable	02/14/12	
Dissolved HC Gases	02/14/12	5 day prelim results
1202005-09 HW29 [Water] Sampled 01/31/12 18:18 Pacific		
TPH - Extractable	02/07/12	
Dissolved HC Gases	02/14/12	5 day prelim results
TPH - Purgeable	02/14/12	
1202005-10 HW29z [Water] Sampled 01/31/12 18:18 Pacific		
TPH - Extractable	02/07/12	
Dissolved HC Gases	02/14/12	5 day prelim results
TPH - Purgeable	02/14/12	
1202005-11 HW35 [Water] Sampled 01/31/12 11:49 Pacific		**Lab QC**
TPH - Purgeable	02/14/12	
Dissolved HC Gases	02/14/12	5 day prelim results
1202005-12 HW52 [Water] Sampled 01/31/12 15:22 Pacific		
Dissolved HC Gases	02/14/12	5 day prelim results
TPH - Purgeable	02/14/12	
TPH - Extractable	02/07/12	

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

Analysis	Hold Time Expires	Comments
Analysis	**Expires**	**Comments**
1202005-13 TB10 [Water] Sampled 01/31/12 07:20 Pacific		
TPH - Purgeable	02/14/12	
Dissolved HC Gases	02/14/12	5 day prelim results
1202005-14 TB11 [Water] Sampled 01/31/12 07:25 Pacific		
TPH - Purgeable	02/14/12	
Dissolved HC Gases	02/14/12	5 day prelim results
1202005-15 TB13 [Water] Sampled 02/01/12 07:23 Pacific		
TPH - Purgeable	02/15/12	
Dissolved HC Gases	02/15/12	5 day prelim results
1202005-16 HW26 [Water] Sampled 01/31/12 10:26 Pacific		
Dissolved HC Gases	02/14/12	5 day prelim results
TPH - Purgeable	02/14/12	

Reviewed By Date

DIM0278254

cooler #1

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7931 8175 2032

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-155436-0070

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
HW32	Drinking Water/ Tom Sedlacek	Grab	DRO(7), DRO(7)	2421 (-NA- / 1000mlAmber), 2422 (-NA- / 1000mlAmber) (2)	HW32	02/01/2012 10:45	
HW32-P	Drinking Water/ Dan Jacobsen	Grab	DRO(7), DRO(7)	2457 (-NA- / 1000mlAmber), 2458 (-NA- / 1000mlAmber) (2)	HW32	02/01/2012 10:50	
HW33	Drinking Water/ Mike Ferrier	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7) GRO(7), GRO(7)	2496 (HCl / 40mlGlassVial), 2497 (HCl / 40mlGlassVial), 2514 (-NA- / 1000mlAmber), 2515 (-NA- / 1000mlAmber), 2518 (HCl / 40mlGlassVial), 2519 (HCl / 40mlGlassVial) (6)	HW33	02/01/2012 10:49	
HW33a-P	Drinking Water/ David Johnson	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2532 (HCl / 40mlGlassVial), 2533 (HCl / 40mlGlassVial), 2550 (-NA- / 1000mlAmber), 2551 (-NA- / 1000mlAmber), 2554 (HCl / 40mlGlassVial), 2555 (HCl / 40mlGlassVial) (6)	HW33a	02/01/2012 10:42	

custody seal intact and temp blank 3°C upon receipt @ lab. [illegible] 2/2/12

Special Instructions

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
16	[illegible]	02/01/12	—	FedEx	—				[illegible] USEPA R9 Lab	2/2/12	0940

01036

000013

DIM0278273

DIM0278254

cooler #1

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7931 8175 2032

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-155436-0070

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
HW33b-P	Drinking Water/ David Johnson	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2568 (HCl / 40mlGlassVial), 2569 (HCl / 40mlGlassVial), 2586 (-NA- / 1000mlAmber), 2587 (-NA- / 1000mlAmber), 2590 (HCl / 40mlGlassVial), 2591 (HCl / 40mlGlassVial) (6)	HW33b	02/01/2012 11:42	
TB12	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2472 (HCl / 40mlGlassVial), 2473 (HCl / 40mlGlassVial), 2474 (HCl / 40mlGlassVial), 2475 (HCl / 40mlGlassVial) (4)	TB12	02/01/2012 07:20	

custody seal intact and temp blank 3°C upon receipt at lab. RM 2/2/12

Special Instructions:

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

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
10	[illegible]	02/01/12	Fed Ex						RM USEPA R9 LAB	2/2/12	0940

01031

DIM0278274

From: (304) 630-1445
Brian Burns DBA
TechLaw, Inc.
Mill and High Street
Corner Lot
Montrose, PA 18801

Origin ID: BGMA

FedEx Express

Ship Date: 01FEB12
ActWgt: 57.0 LB
CAD: 8747913/NET3250

Dims: 18 X 14 X 12 IN

Delivery Address Bar Code

SHIP TO: (510) 412-2389

BILL SENDER

Sample Receiving
U.S. EPA Region 9 Laboratory
1337 S 46TH ST BLDG 201

RICHMOND, CA 94804

Ref # TL01-11-12-001
Invoice #
PO #
Dept #

THU - 02 FEB A2
PRIORITY OVERNIGHT
ASR
94804
CA-US
OAK

TRK# 7931 8175 2032
0201

XH JEMA

1. Select the 'Print' button to print 1 copy of each label.
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Cooler #1

3°C

: 00015

DIM0278254

Cooler # 2

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7931 7939 9566

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-102057-0058

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
FB07	Aqueous/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2238 (HCl / 40mlGlassVial), 2239 (HCl / 40mlGlassVial), 2260 (HCl / 40mlGlassVial), 2261 (HCl / 40mlGlassVial) (4)	FB07	01/31/2012 14:15	
HW26	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2104 (HCl / 40mlGlassVial), 2105 (HCl / 40mlGlassVial), 2127 (HCl / 40mlGlassVial), 2128 (HCl / 40mlGlassVial) (4)	HW26	01/31/2012 10:26	
HW26-P	Drinking Water/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2140 (HCl / 40mlGlassVial), 2141 (HCl / 40mlGlassVial), 2162 (HCl / 40mlGlassVial), 2163 (HCl / 40mlGlassVial) (4)	HW26	01/31/2012 11:37	
HW29	Drinking Water/ Mike Ferrier	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2310 (HCl / 40mlGlassVial), 2311 (HCl / 40mlGlassVial), 2328 (-NA- / 1000mlAmber), 2329 (-NA- / 1000mlAmber), 2332 (HCl / 40mlGlassVial), 2333 (HCl / 40mlGlassVial) (6)	HW29	01/31/2012 18:18	

01033

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
18	[signature]	2/1/12									
									[signature]	02/02/12	0940

Custody seals intact
cooler temp @ 2°C

: 00016

DIM0278276

DIM0278254

Cooler #1

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7931 7939 9566

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-102057-0058

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
HW29z	Drinking Water/ Mike Ferner	Grab	RSK-175(7), RSK-175(7), DRO(7), DRO(7), GRO(7), GRO(7)	2345 (HCl / 40mlGlassVial), 2346 (HCl / 40mlGlassVial), 2363 (-NA- / 1000mlAmber), 2364 (-NA- / 1000mlAmber), 2367 (HCl / 40mlGlassVial), 2368 (HCl / 40mlGlassVial) (6)	HW29	01/31/2012 18:18	
HW35	Drinking Water/ Mike Ferner	Grab	RSK-175(7), RSK-175(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) Note: small labels on vials say HW35a. large labels say HW35.	2177 (HCl / 40mlGlassVial), 2178 (HCl / 40mlGlassVial), 2199 (HCl / 40mlGlassVial), 2200 (HCl / 40mlGlassVial), 2223 (HCl / 40mlGlassVial), 2224 (HCl / 40mlGlassVial), 2225 (HCl / 40mlGlassVial), 2226 (HCl / 40mlGlassVial), 2227 (HCl / 40mlGlassVial), 2228 (HCl / 40mlGlassVial), 2229 (HCl / 40mlGlassVial), 2230 (HCl / 40mlGlassVial) (12)	HW35	01/31/2012 11:49	

Sample(s) to be used for Lab QC: HW35

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
18	[signature]	2/1/12									
									[signature]	02/02/12	0940

Custody seals intact.
cooler temp @ 2°C

01034

00017

DIM0278277

Cooler [illegible]

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7931 7939 9566

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-102057-0058

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
HW52	Drinking Water/ Bryan Berna	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2274 (HCl / 40mlGlassVial), 2275 (HCl / 40mlGlassVial), 2296 (HCl / 40mlGlassVial), 2297 (HCl / 40mlGlassVial) (4)	HW52	01/31/2012 15:22	
TB10	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2380 (HCl / 40mlGlassVial), 2381 (HCl / 40mlGlassVial), 2388 (HCl / 40mlGlassVial), 2389 (HCl / 40mlGlassVial) (4)	TB10	01/31/2012 07:20	
TB11	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2393 (HCl / 40mlGlassVial), 2394 (HCl / 40mlGlassVial), 2395 (HCl / 40mlGlassVial), 2396 (HCl / 40mlGlassVial) (4)	TB11	01/31/2012 07:25	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
12	[signature]	2/1/12							[signature]	2/02/12	0940

Custody seals intact.
cooler temp @ 2°C

01035

00018

From: (304) 830-1445
Brian Burns_DIM
TechLaw, Inc
Mill and High Street
Corner Lot
Montrose, PA 18801

Origin ID: BGMA

FedEx Express

Ship Date: 01FEB12
ActWgt: 46.0 LB
CAD: 8747913/INET3250

Dims: 22 X 12 X 14 IN

Delivery Address Bar Code

Ref # TL01-11-12-001
Invoice #
PO #
Dept #

SHIP TO: (510) 412-2389 BILL SENDER

Sample Receiving
U.S. EPA Region 9 Laboratory
1337 S 46TH ST BLDG 201

RICHMOND, CA 94804

THU - 02 FEB A2
PRIORITY OVERNIGHT
ASR
94804
CA-US
OAK

TRK# 7931 7939 9566
0201

XH JEMA

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Cooler # 2

2°C

DIM0278254

code #5

USEPA CLP Generic COC (LAB COPY)

DateShipped: 2/1/2012
CarrierName: FedEx
AirbillNo: 7980 1135 6783

CHAIN OF CUSTODY RECORD

Case #: CT5865

No: 3-020112-135508-0063

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
FB07	Aqueous/ Dan Jacobsen	Grab	DRO(7), DRO(7)	2256 (-NA- / 1000mlAmber), 2257 (-NA- / 1000mlAmber) (2)	FB07	01/31/2012 14:15	
HW32	Drinking Water/ Tom Sedlacek	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2403 (HCl / 40mlGlassVial), 2404 (HCl / 40mlGlassVial), 2425 (HCl / 40mlGlassVial), 2426 (HCl / 40mlGlassVial) (4)	HW32	02/01/2012 10:45	
HW32-P	Drinking Water/ Dan Jacobsen	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2439 (HCl / 40mlGlassVial), 2440 (HCl / 40mlGlassVial), 2461 (HCl / 40mlGlassVial), 2462 (HCl / 40mlGlassVial) (4)	HW32	02/01/2012 10:50	
HW52	Drinking Water/ Bryan Berna	Grab	DRO(7), DRO(7)	2292 (-NA- / 1000mlAmber), 2293 (-NA- / 1000mlAmber) (2)	HW52	01/31/2012 15:22	
TB13	Aqueous/ Kim Whitlock	Grab	RSK-175(7), RSK-175(7), GRO(7), GRO(7)	2479 (HCl / 40mlGlassVial), 2480 (HCl / 40mlGlassVial), 2481 (HCl / 40mlGlassVial), 2482 (HCl / 40mlGlassVial) (4)	TB13	02/01/2012 07:23	

Custody seal intact and temperature blank 9°C upon receipt to lab RM 2/2/12

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

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

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
16	[signature]	2/1/12	—	Fed	Ex	—	—	—	RM EPA R9 LAB	2/2/12	0940

01037

00020

DIM0278280

01038

From: (304) 830-1445
Brian Burns DIM
TechLaw, Inc
Mill and High Street
Corner Lot
Montrose, PA 18801

Origin ID: BGMA

FedEx Express

Ship Date: 01FEB12
ActWgt: 25.0 LB
CAD: 8747913/INET3250

Dims: 16 X 14 X 12 IN

Delivery Address Bar Code

Ref # TL01-11-12-001
Invoice #
PO #
Dept #

SHIP TO: (510) 412-2389 BILL SENDER

Sample Receiving
U.S. EPA Region 9 Laboratory
1337 S 46TH ST BLDG 201

RICHMOND, CA 94804

THU - 02 FEB A2
PRIORITY OVERNIGHT
ASR
94804
CA-US
OAK

TRK# 7980 1135 6783
0201

XH JEMA

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2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

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cooler #3

9°C

: 00021

01039

SAMPLE PREPARATION

PREPARATION BENCH SHEET

B2B0011

EPA Region 9 Laboratory

Printed: 2/3/2012 12:55:51PM

Project: R33911 - Dimock Residential Groundwater

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

Lab Number	SampleName	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Prepared By	pH	Extraction Comments
1202005-01 D	HW32	02/02/12 11:45	5	5				1	YNB	<2	
1202005-02 D	HW32-P	02/02/12 11:45	5	5				1	YNB		
1202005-03 D	HW33	02/02/12 11:45	5	5				1	YNB		
1202005-04 C	HW33a-P	02/02/12 11:45	5	5				1	YNB		
1202005-05 C	HW33b-P	02/02/12 11:45	5	5				1	YNB		
1202005-06 A	TB12	02/02/12 11:45	5	5				1	YNB		
1202005-07 D	FB07	02/02/12 11:45	5	5				1	YNB		
1202005-08 A	HW26-P	02/02/12 11:45	5	5				1	YNB		
1202005-09 D	HW29	02/02/12 11:45	5	5				1	YNB		
1202005-10 D	HW29z	02/02/12 11:45	5	5				1	YNB		
1202005-11 A	HW35	02/02/12 11:45	5	5				1	YNB		
1202005-12 D	HW52	02/02/12 11:45	5	5				1	YNB		
1202005-13 A	TB10	02/02/12 11:45	5	5				1	YNB		
1202005-14 A	TB11	02/02/12 11:45	5	5				1	YNB		
1202005-15 A	TB13	02/02/12 11:45	5	5				1	YNB		
1202005-16 A	HW26	02/02/12 11:45	5	5				1	YNB		
B2B0011-BLK1	Blank	02/02/12 08:45	5	5				1	YNB	—	
B2B0011-BS1	LCS	02/02/12 08:45	5	5	1J17001		2.5	1	YNB	—	
B2B0011-MS1	Matrix Spike	02/02/12 11:45	5	5	1J17001	1202005-11	2.5	1	YNB	<2	
B2B0011-MSD1	Matrix Spike Dup	02/02/12 11:45	5	5	1J17001	1202005-11	2.5	1	YNB	<2	

AG5975-D

00023

01040

YNB 02/03/12

Preparation Reviewed By 2/3/12 Date

DIM0278254 DIM0278283

01941

Instrument: A6 5975D

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

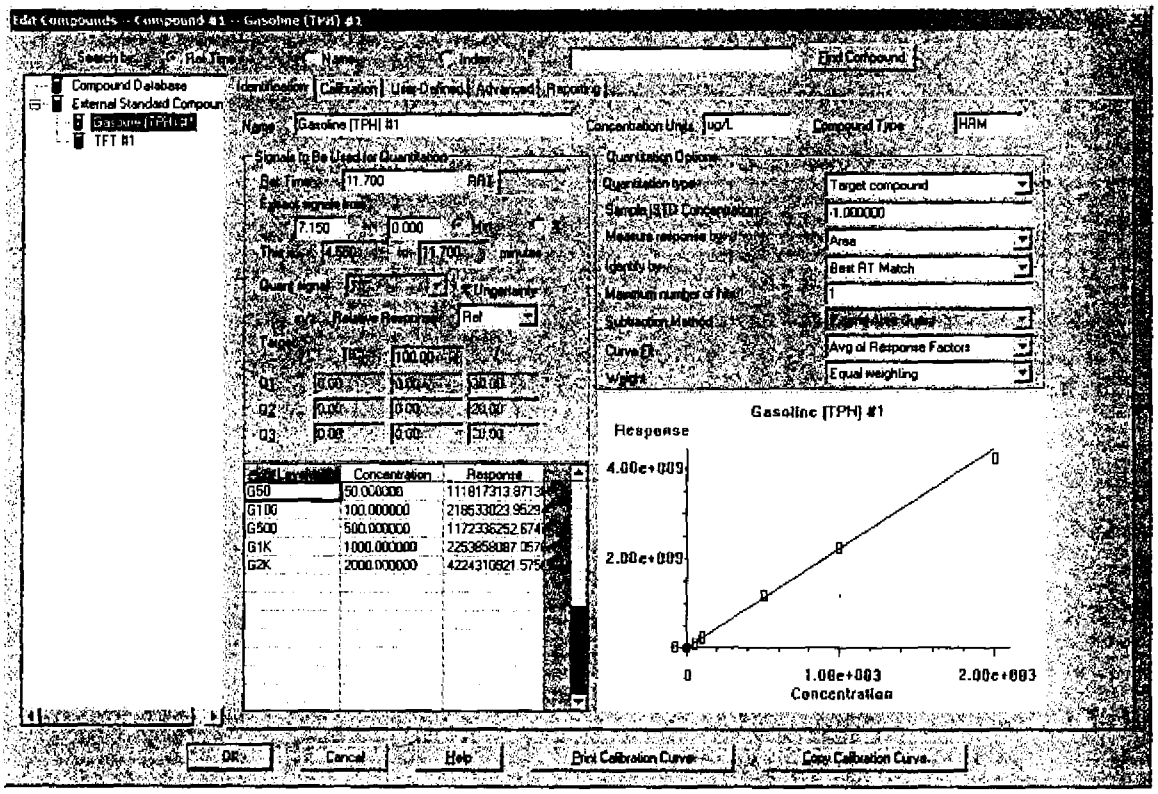
Response Factor Report GC-FID-PID

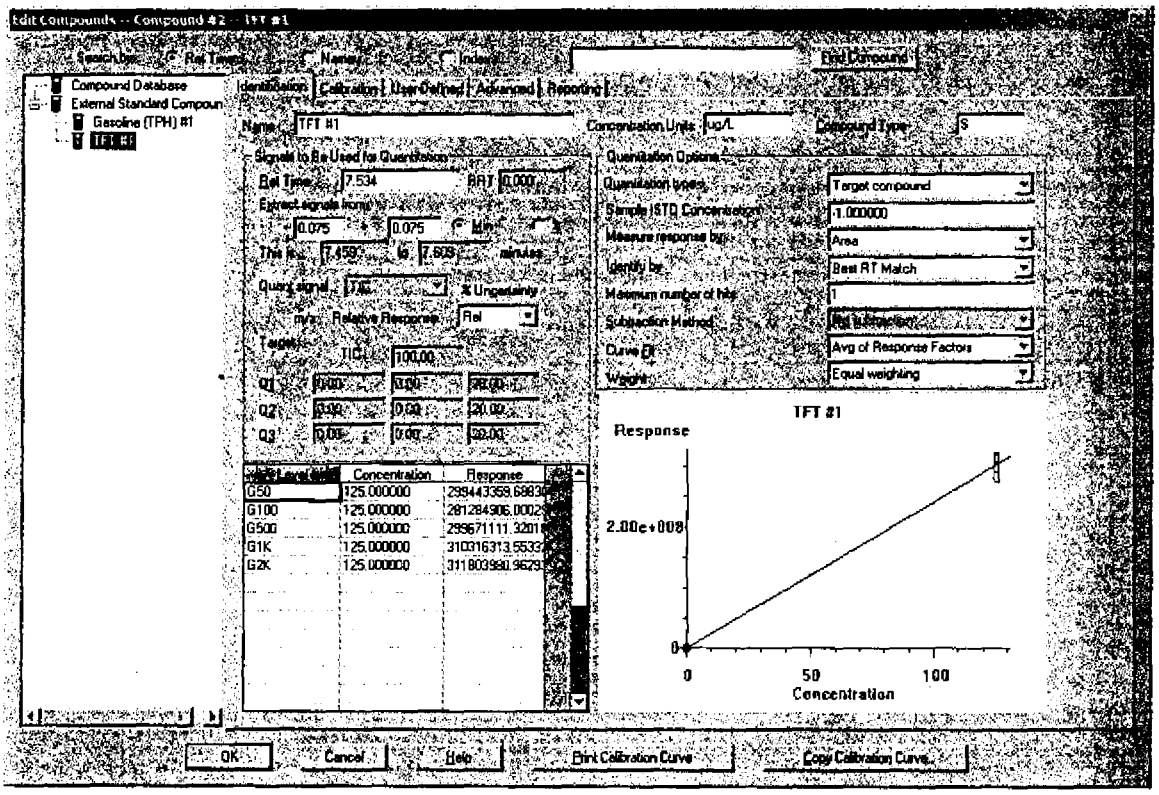
Method Path : C:\MSDCHEM\2\METHODS\
Method File : 012412TPH GAS.M
Title : GC TPH Method
Last Update : Wed Jan 25 10:49:01 2012
Response Via : Initial Calibration

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


Edit Compounds -- Compound 42 -- TFT #1
Compound Database
External Standard Compoun
Gasoline (TPH) #1
TFT #1
Identification
Calibration
User Defined
Advanced
Reporting
Name
TFT #1
Concentration Units
ug/L
Compound Type
S
Signals to Be Used for Quantitation
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
Curve Fit
Avg of Response Factors
Weight
Equal weighting
Relative Response
Rel
TIC
100.00
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

Quantitation Report (Not Reviewed)

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

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

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

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

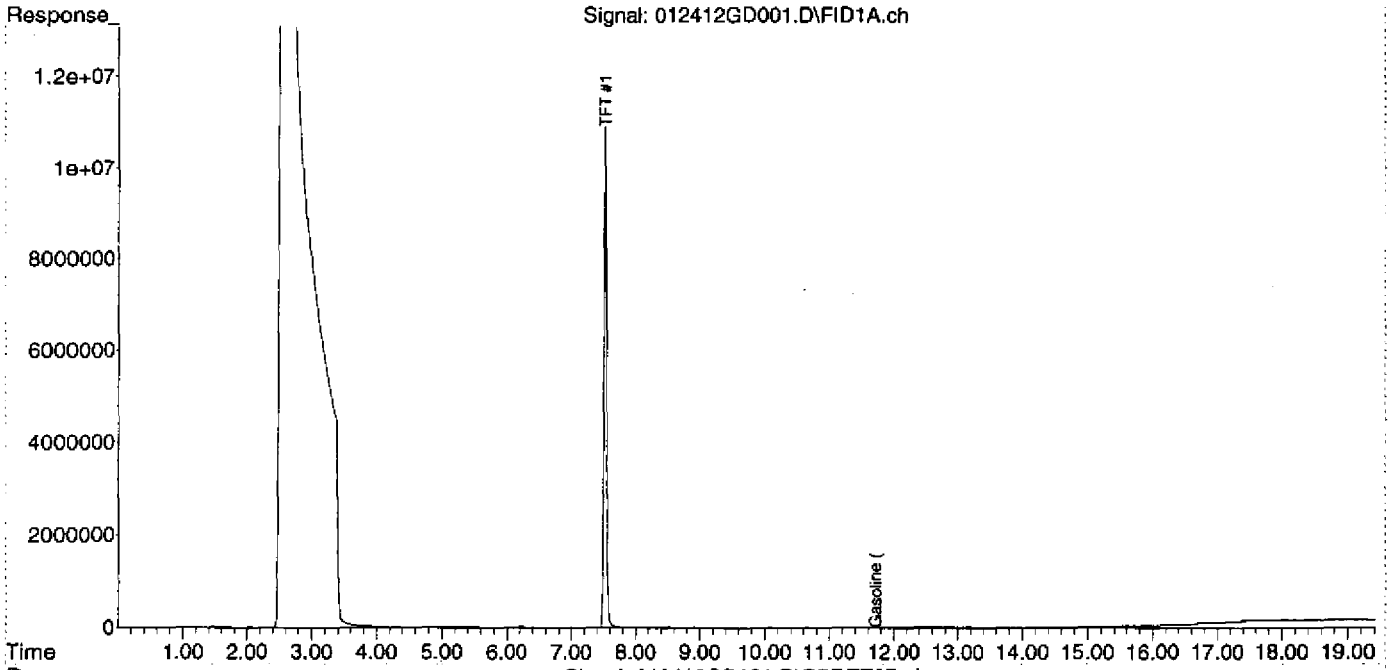
(f)=RT Delta > 1/2 Window (m)=manual int.

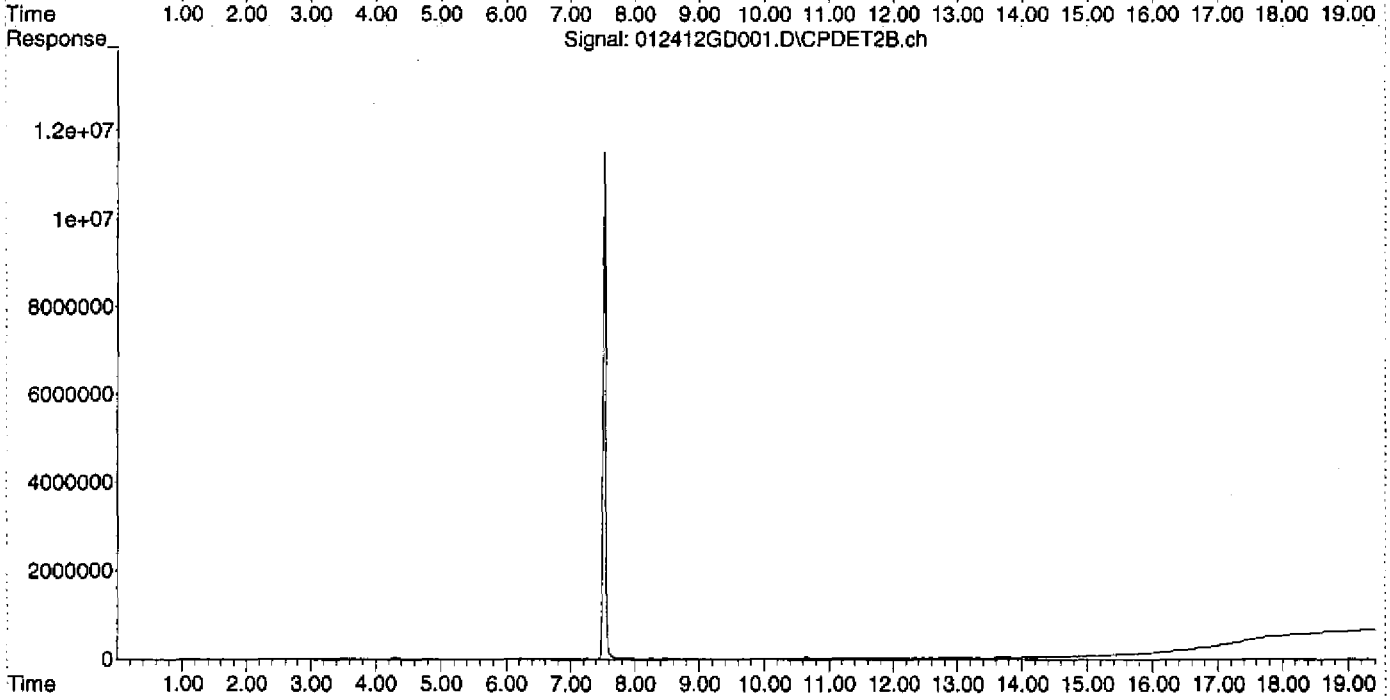
Quantitation Report (Not Reviewed)

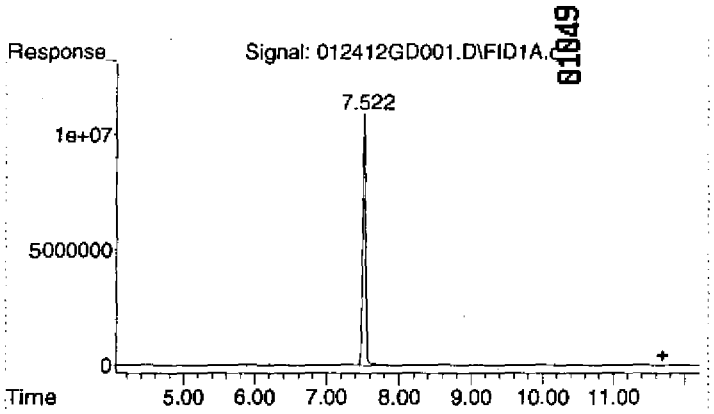
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 10:58 am
Operator : YNB
Sample : 2010034-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

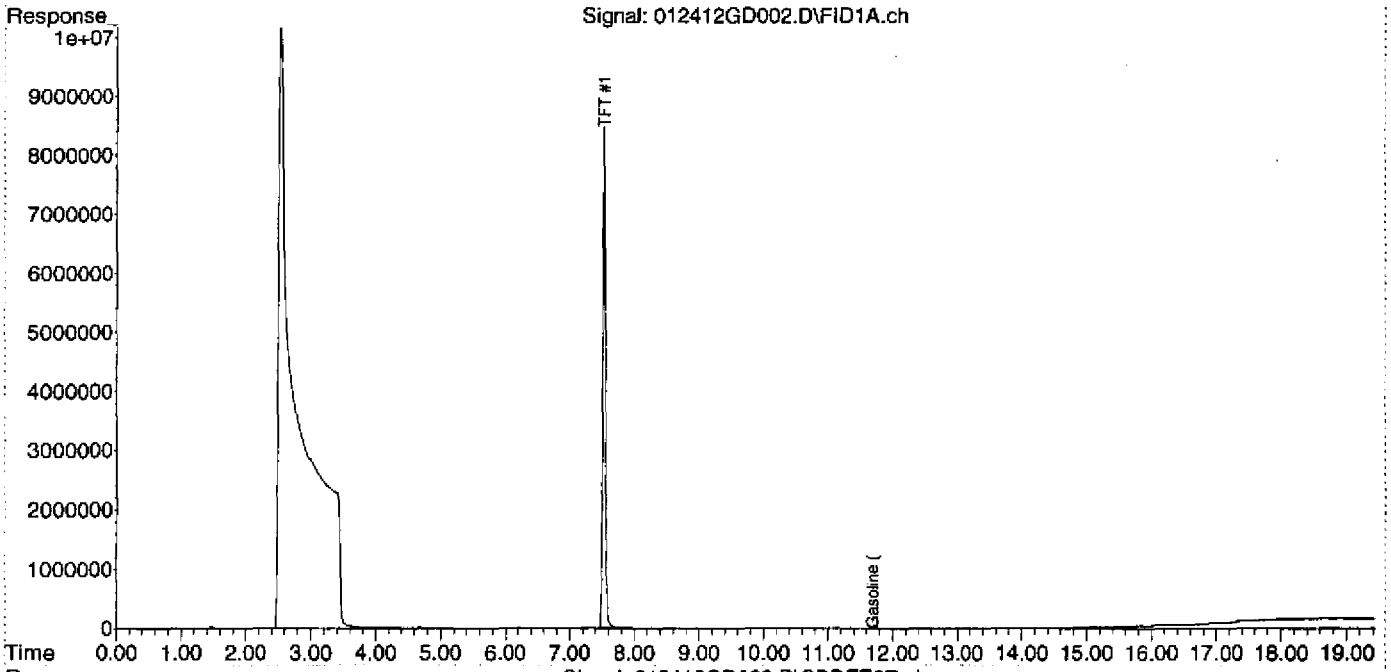
R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	842790
Conc:	0.38 ug/L

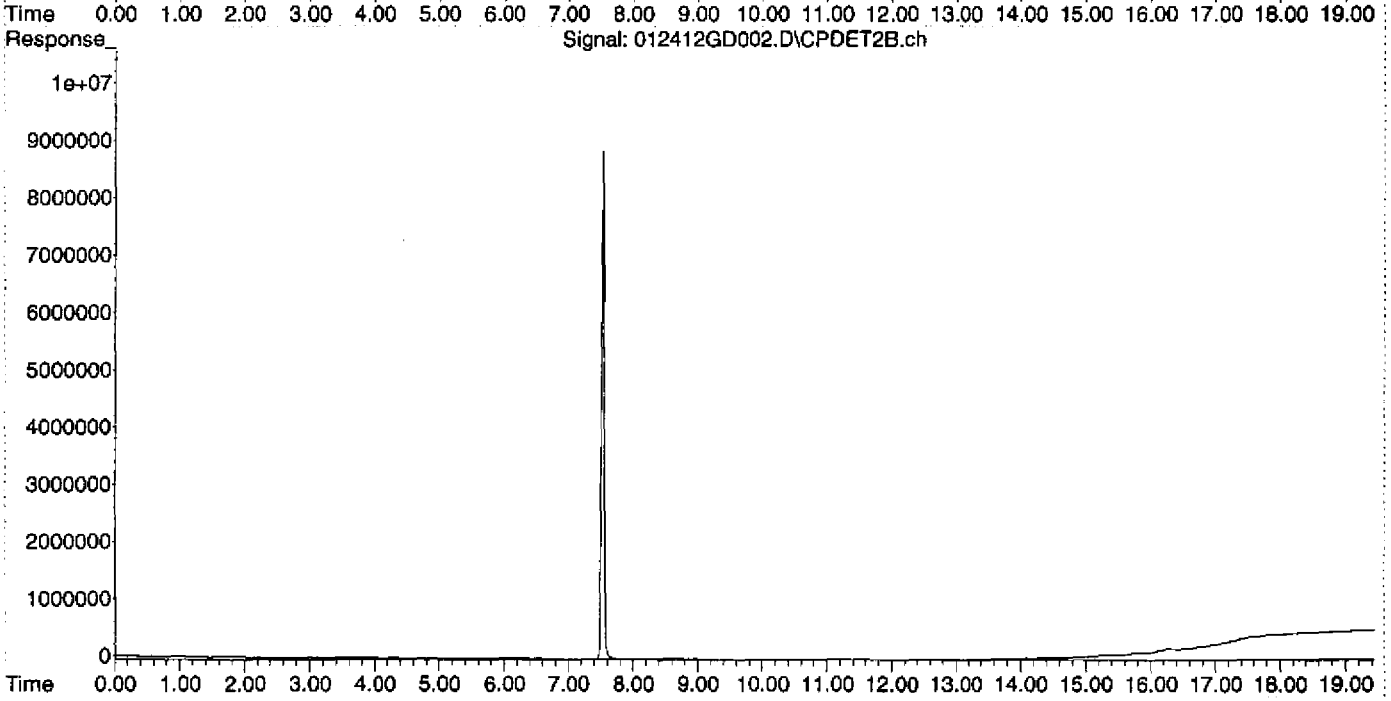
Quantitation Report (Not Reviewed)

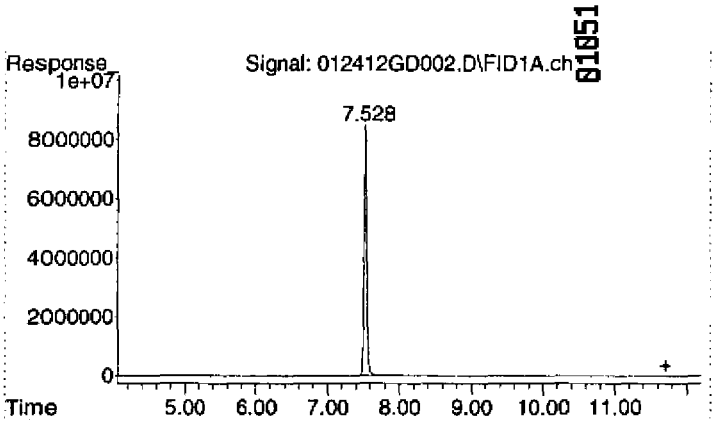
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:27 am
Operator : YNB
Sample : 2010034-IBL2
Misc : 2A24003, IB
ALS Vial : 2 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

Quantitation Report (Not Reviewed)

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

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

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

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

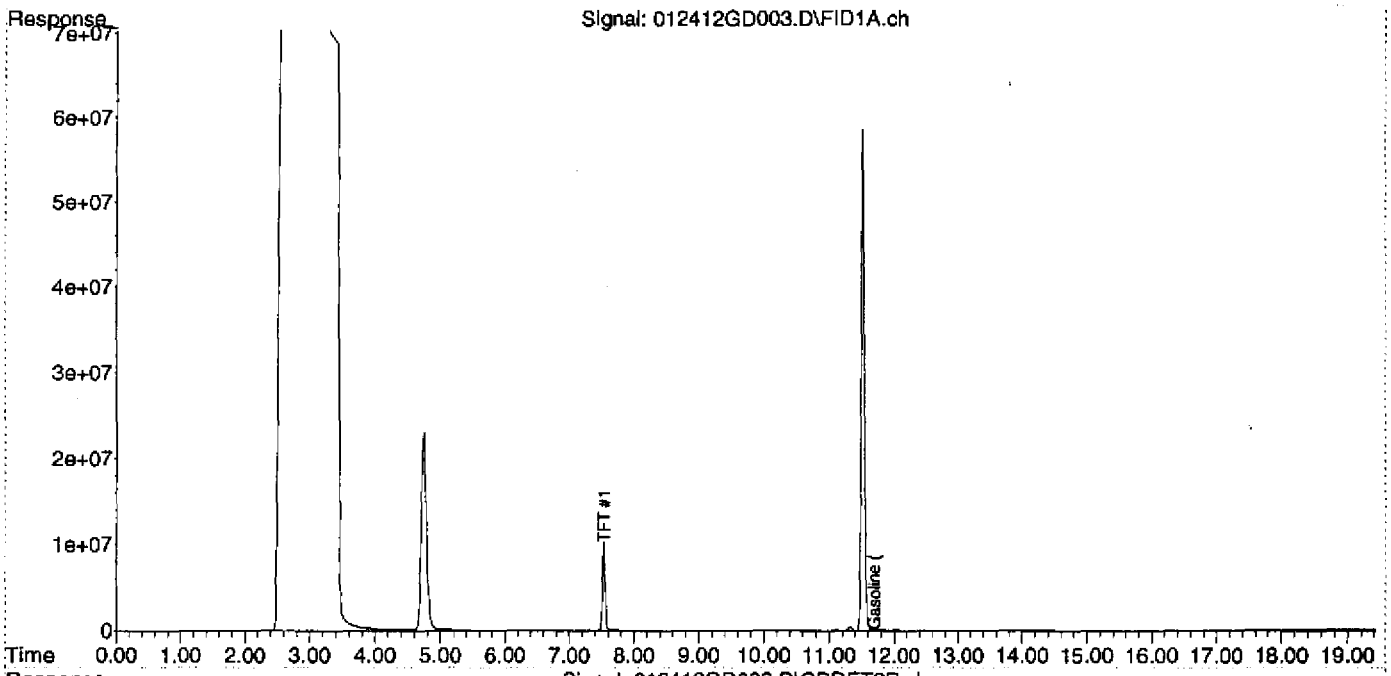
(f)=RT Delta > 1/2 Window (m)=manual int.

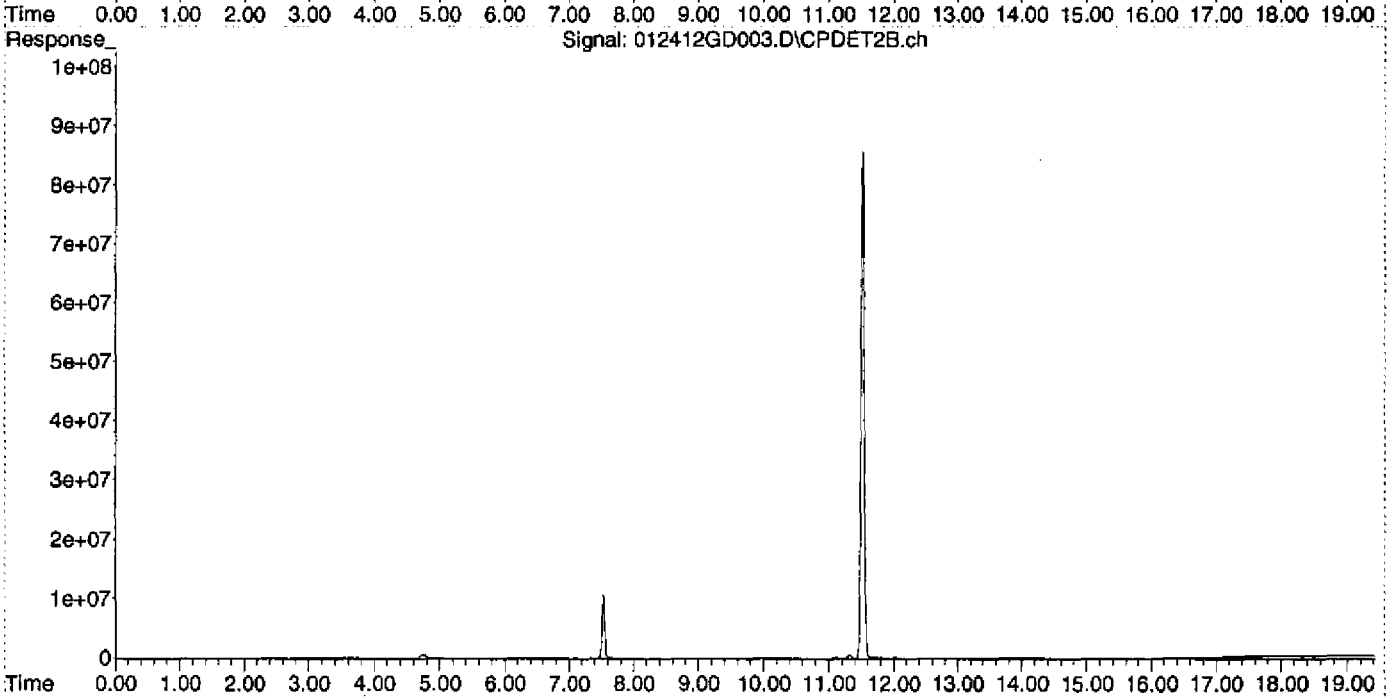
Quantitation Report (Not Reviewed)

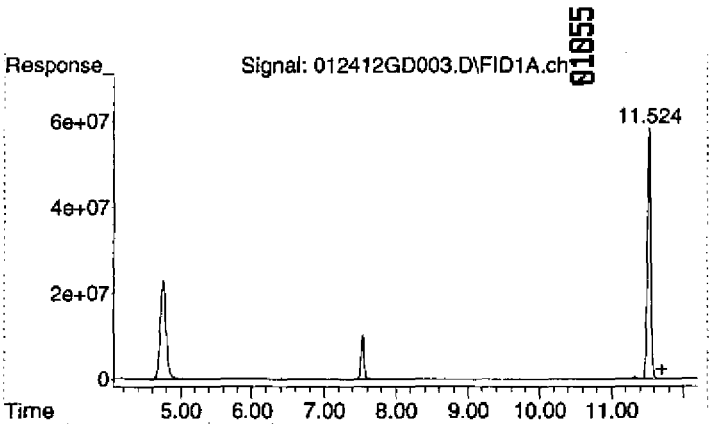
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 11:56 am
Operator : YNB
Sample : 2010034-RT1
Misc : 2A10002 RET TIME WINDOW
ALS Vial : 3 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

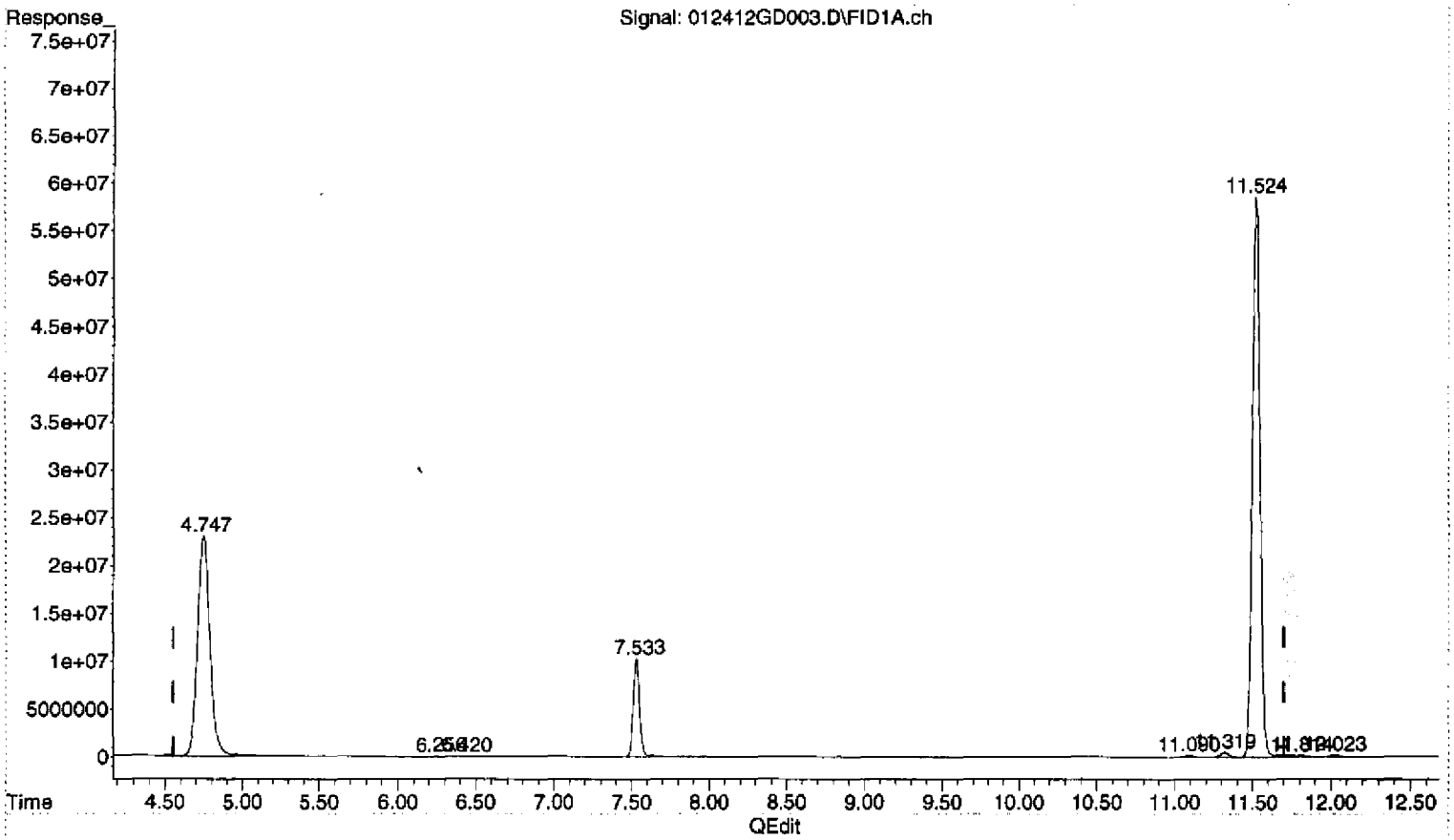
R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 3354126923
Conc: 1506.48 ug/L

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 Page: 1

00039

Quantitation Report (Not Reviewed)

01857

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

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

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

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

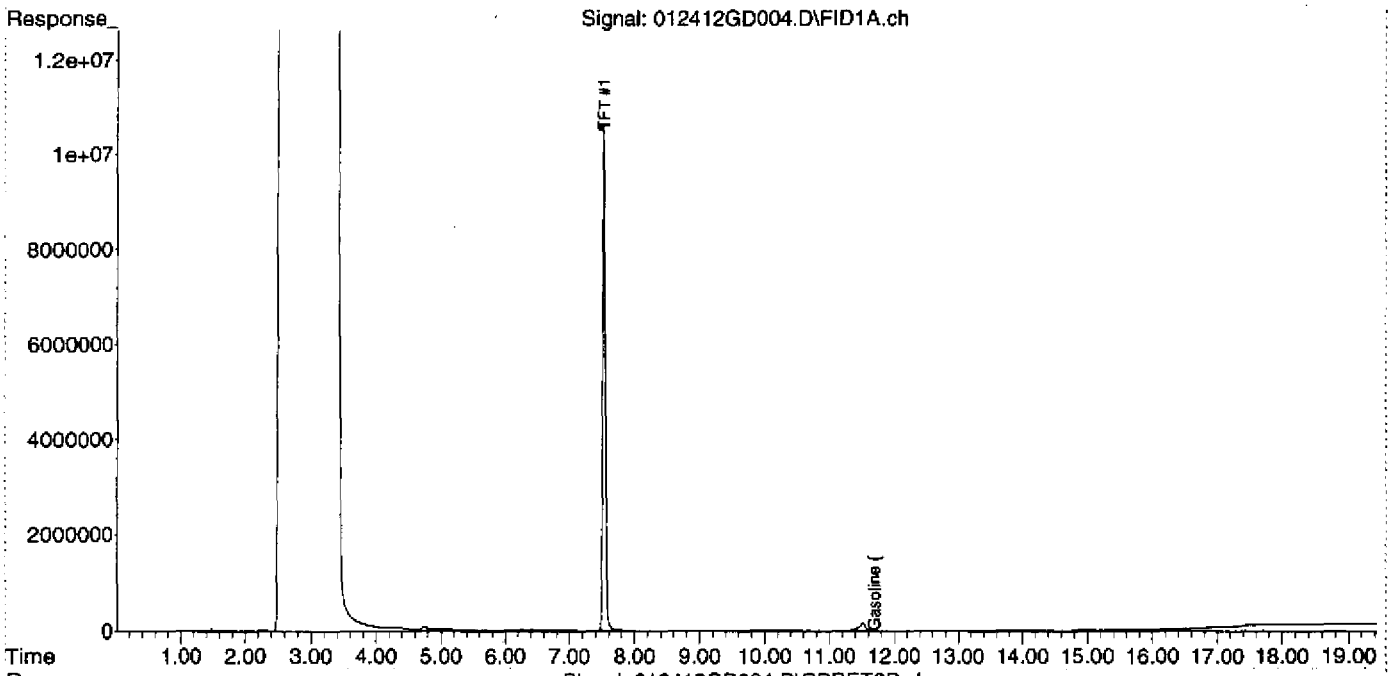
(f)=RT Delta > 1/2 Window (m)=manual int.

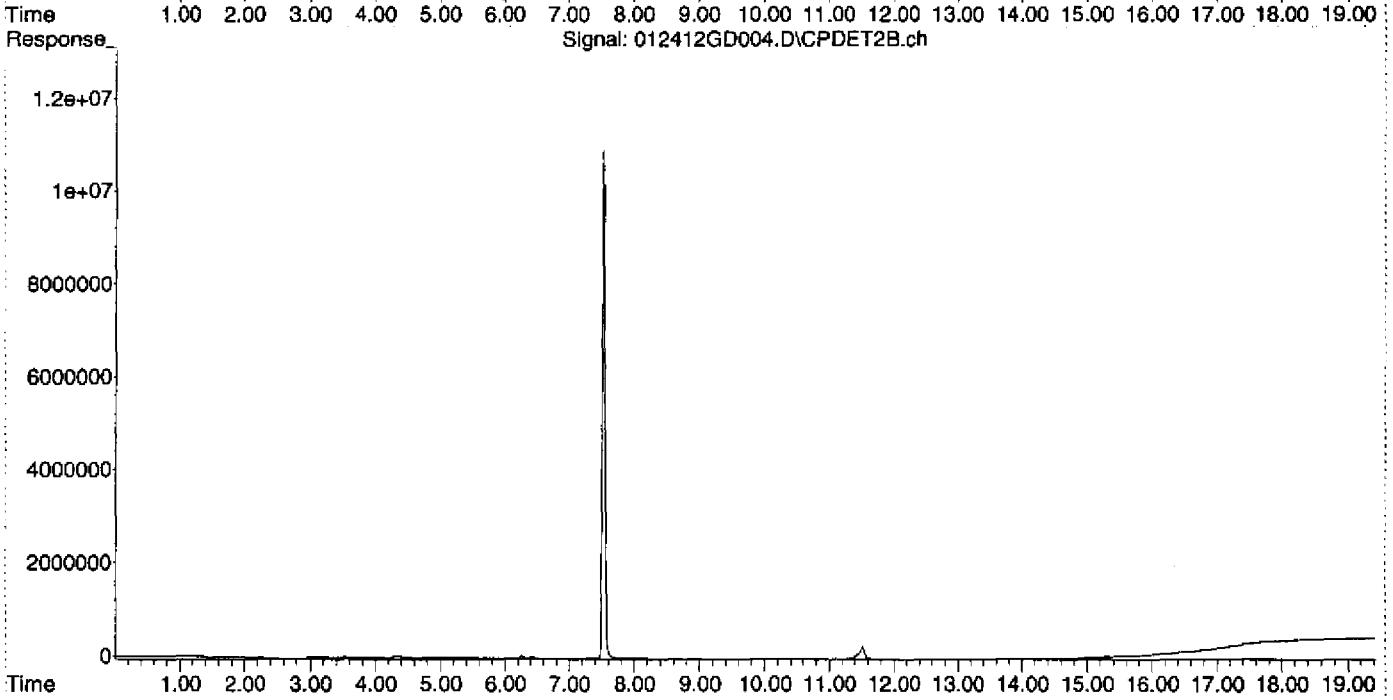
Quantitation Report (Not Reviewed)

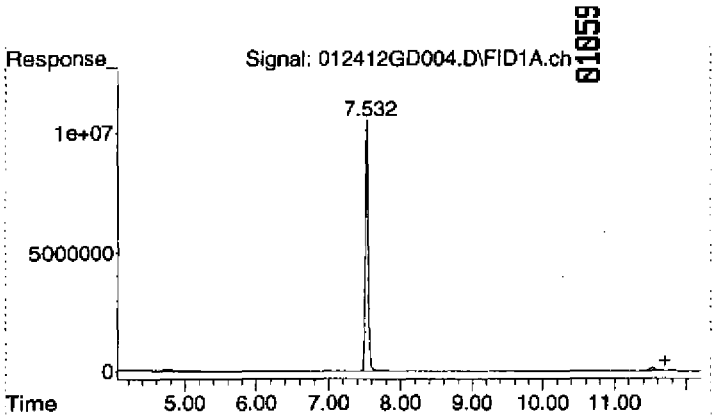
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:24 pm
Operator : YNB
Sample : 2010034-IBL3
Misc : 2A24003, IB
ALS Vial : 4 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

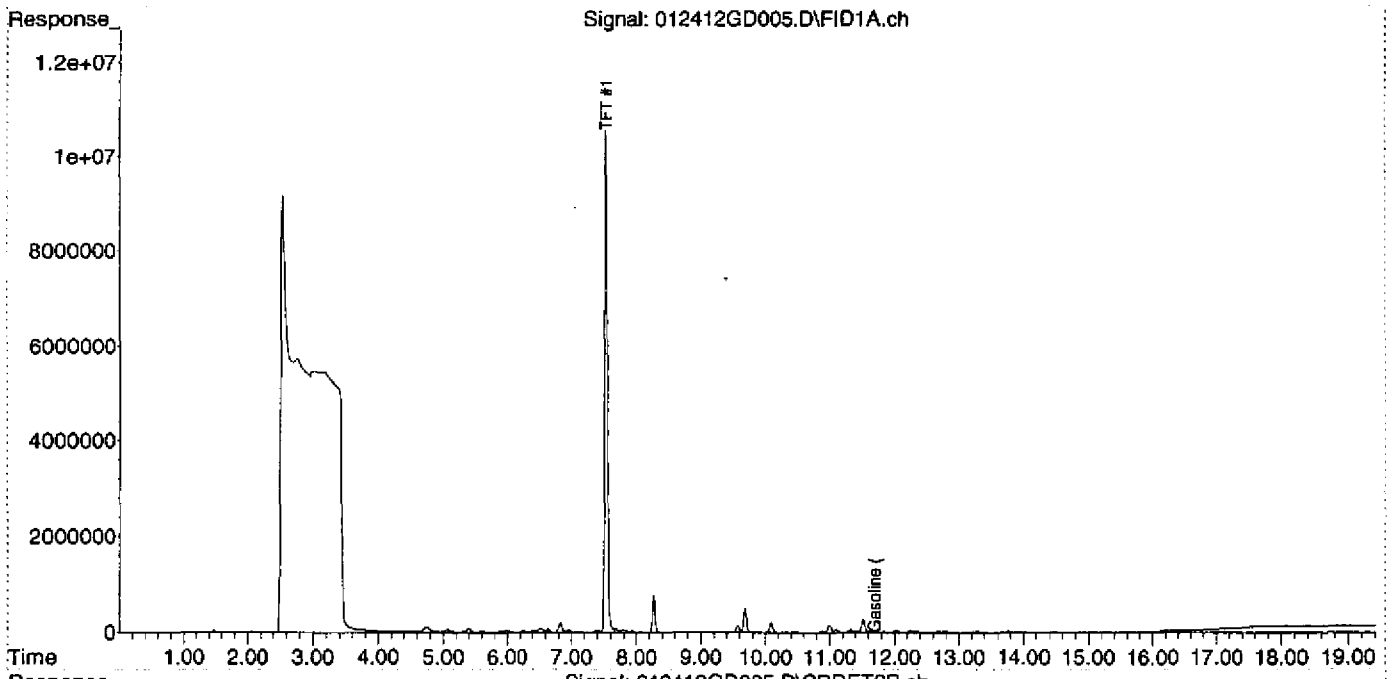
(f)=RT Delta > 1/2 Window (m)=manual int.

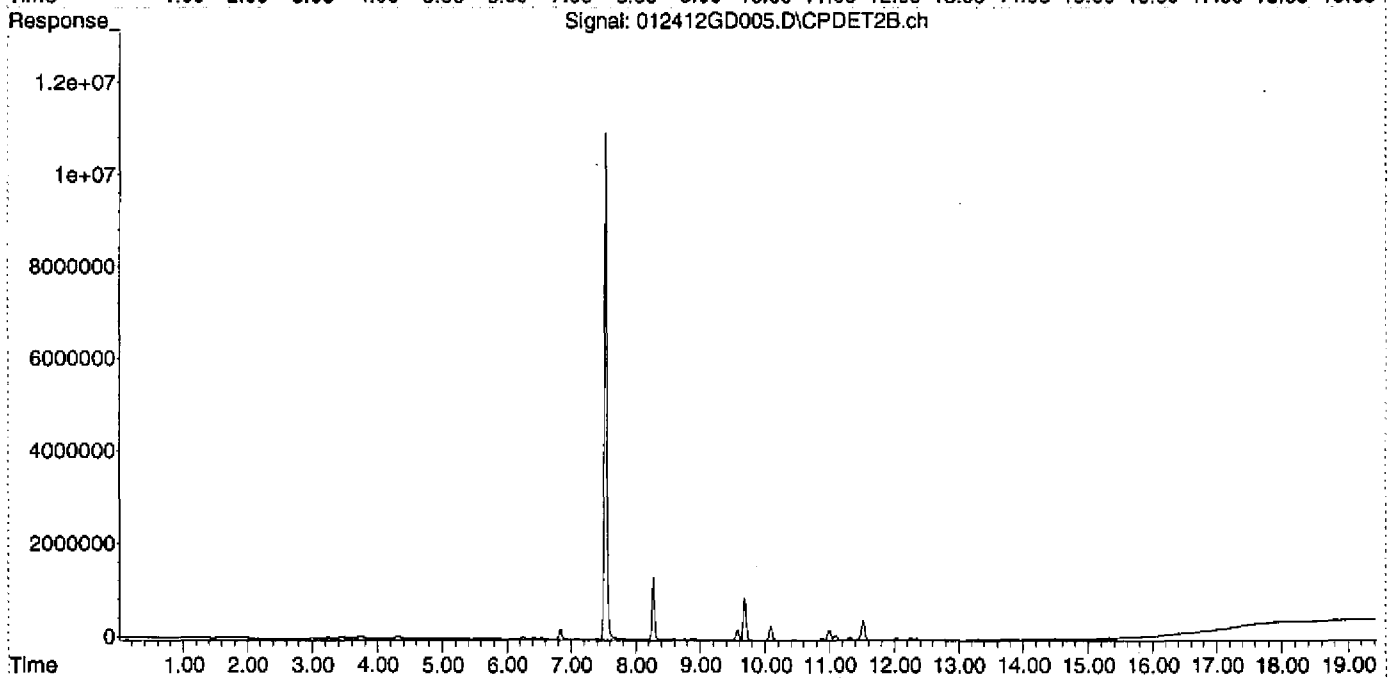
Quantitation Report (Not Reviewed)

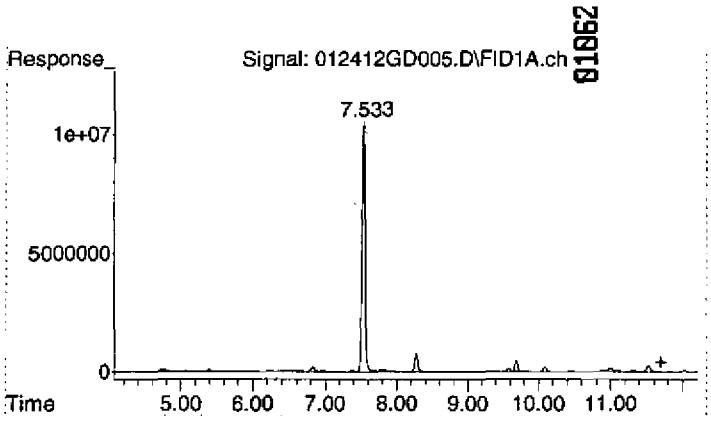
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 12:53 pm
Operator : YNB
Sample : 2010034-CAL1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

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

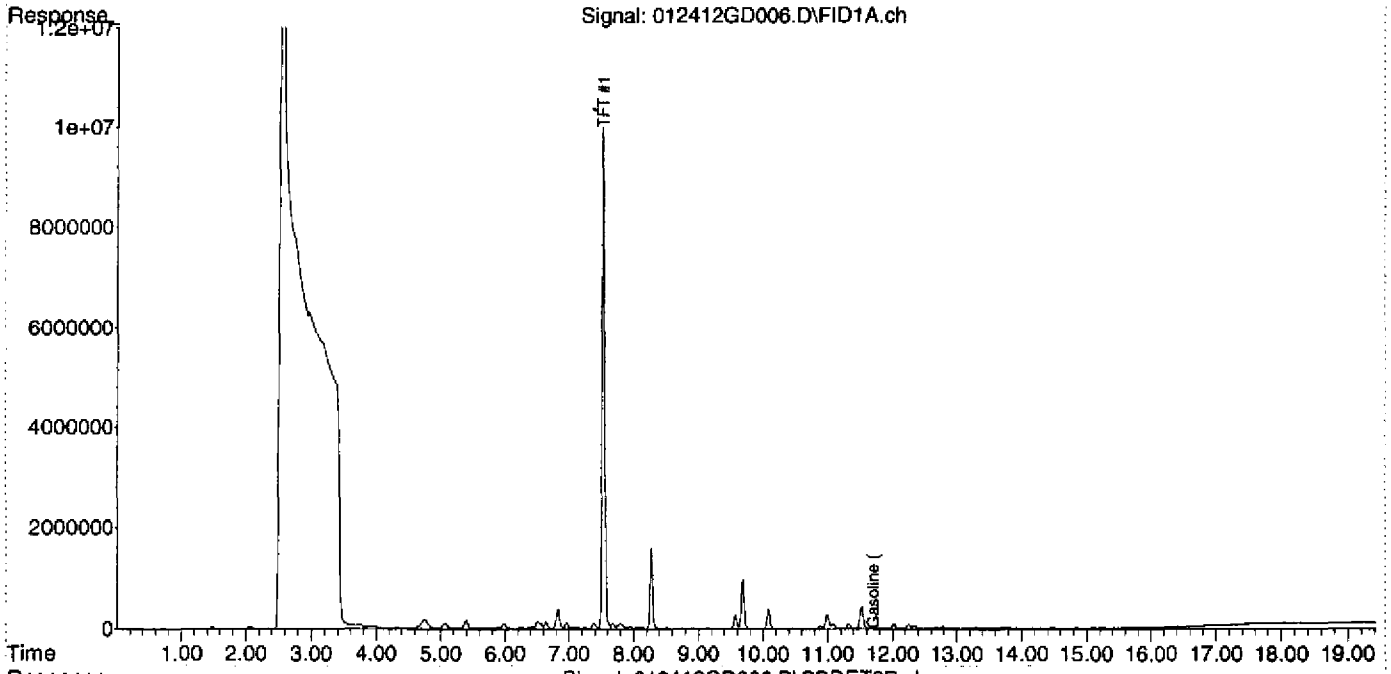
(f)=RT Delta > 1/2 Window (m)=manual int.

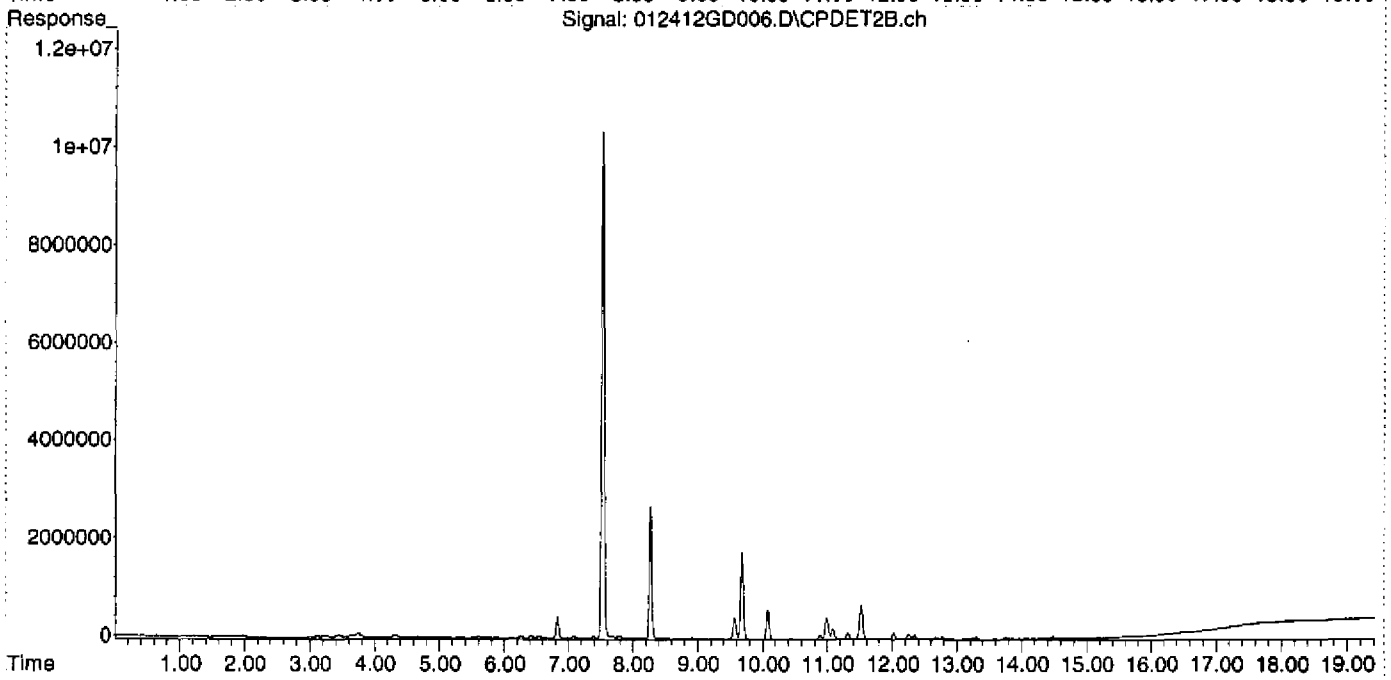
Quantitation Report (Not Reviewed)

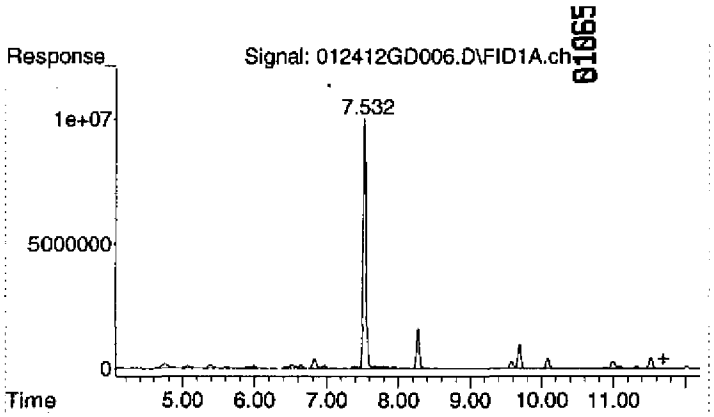
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:21 pm
Operator : YNB
Sample : 2010034-CAL2
Misc : 100ug/L, 1J17001, WATER
ALS Vial : 6 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

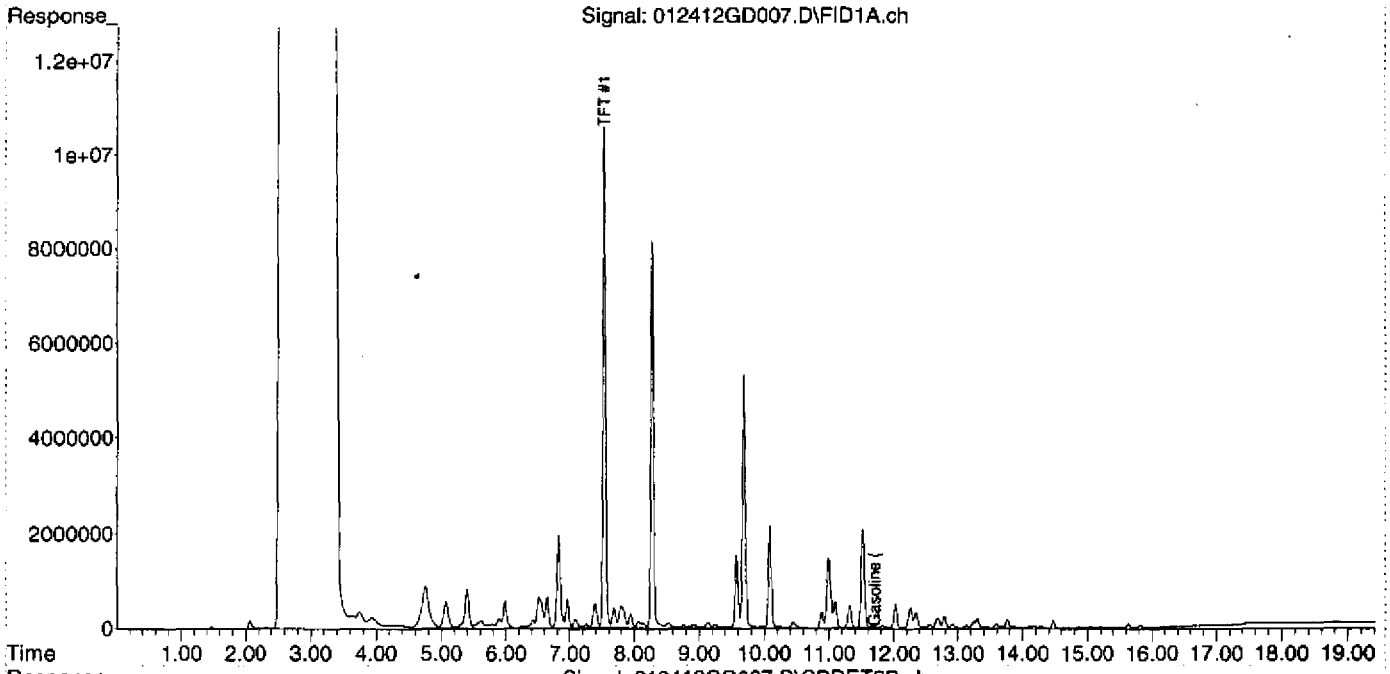
Quantitation Report (Not Reviewed)

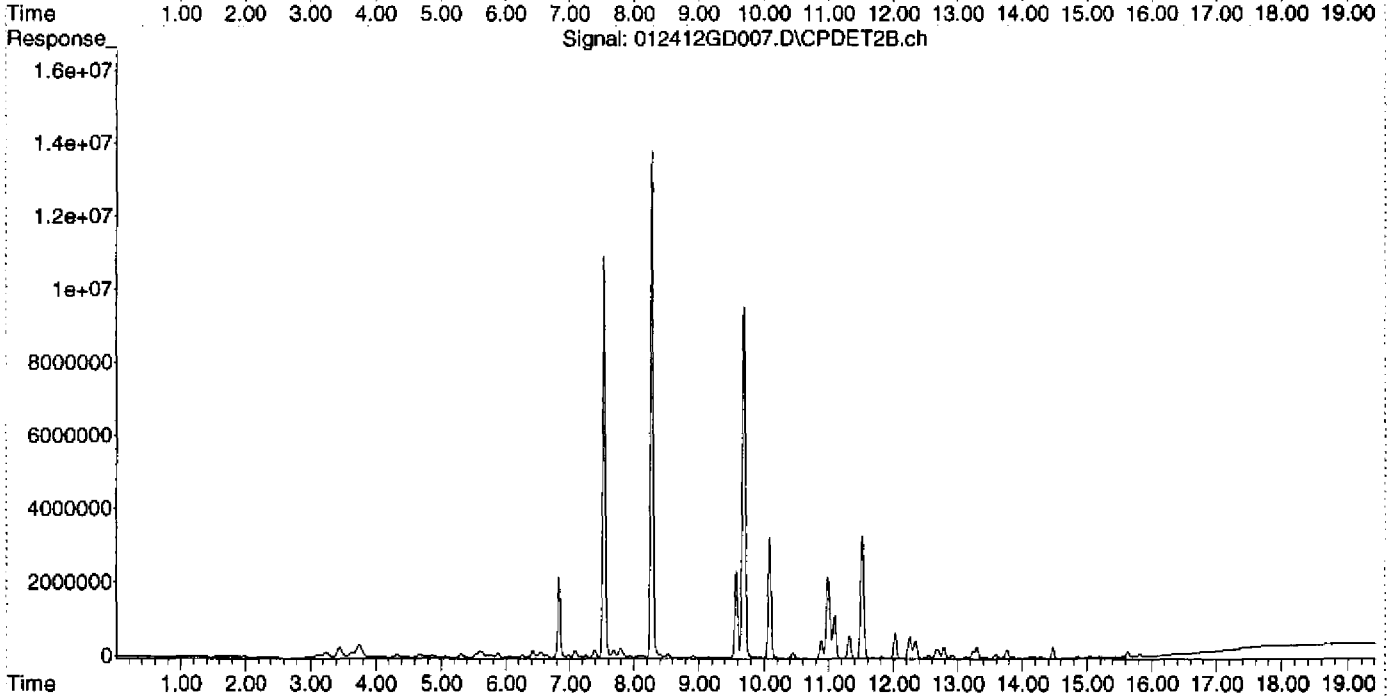
01067

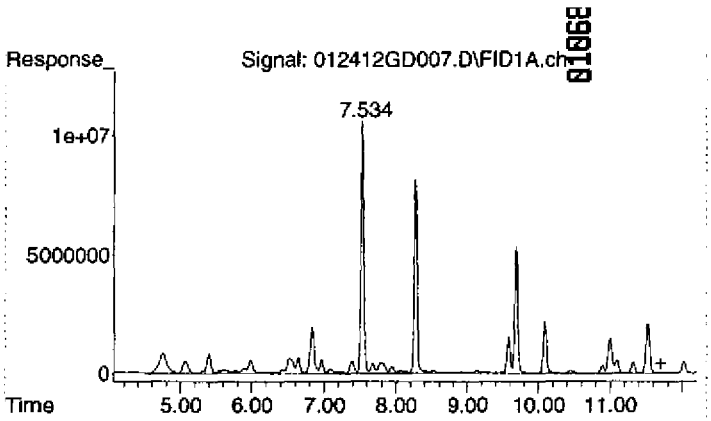
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 1:49 pm
Operator : YNB
Sample : 2010034-CAL3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 7 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

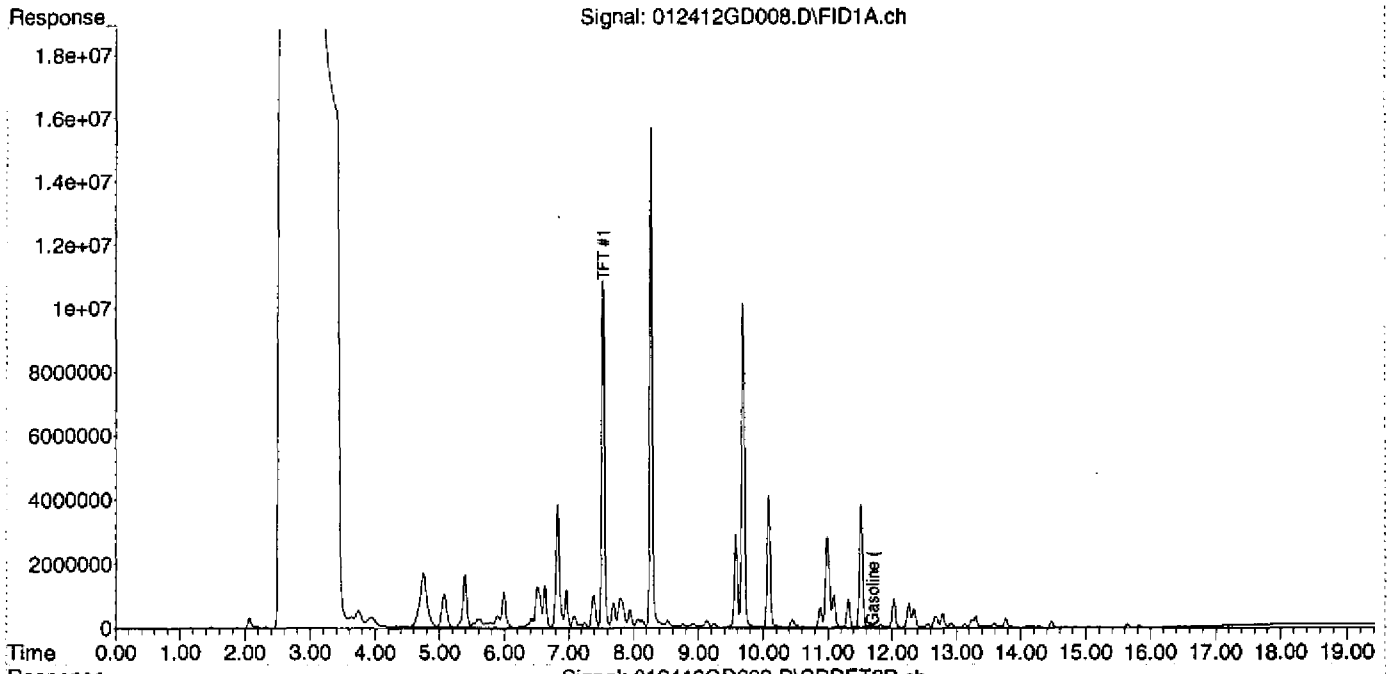
(f)=RT Delta > 1/2 Window (m)=manual int.

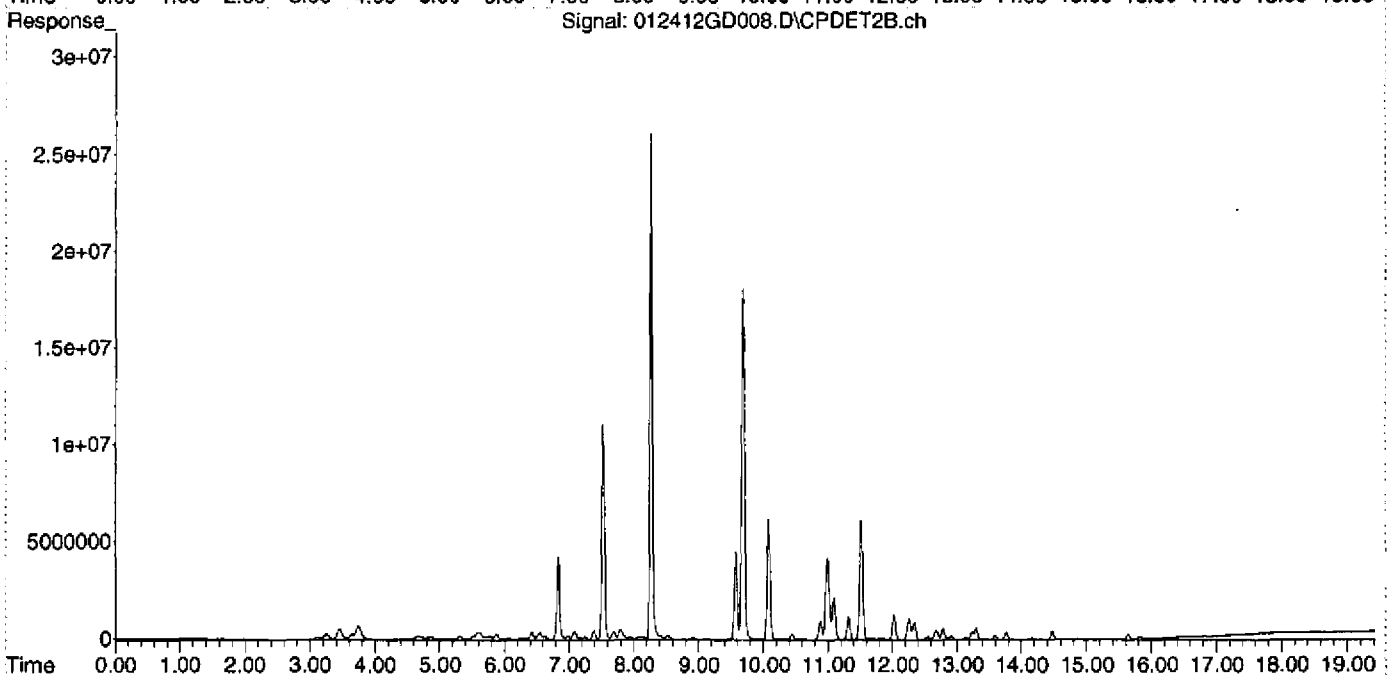
Quantitation Report (Not Reviewed)

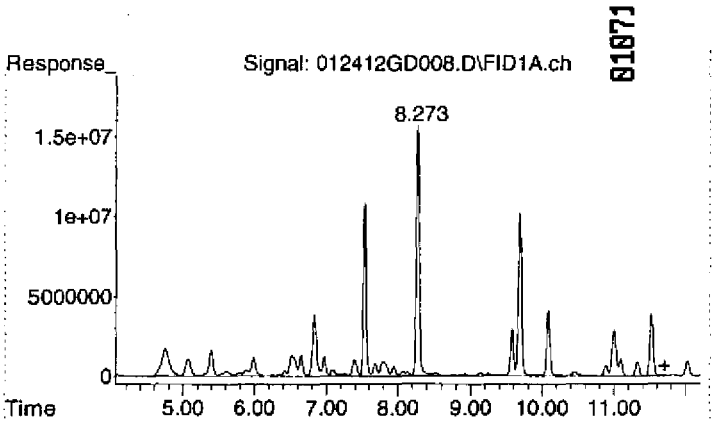
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:17 pm
Operator : YNB
Sample : 2010034-CAL4
Misc : 1000ug/L, 1J17001, WATER
ALS Vial : 8 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

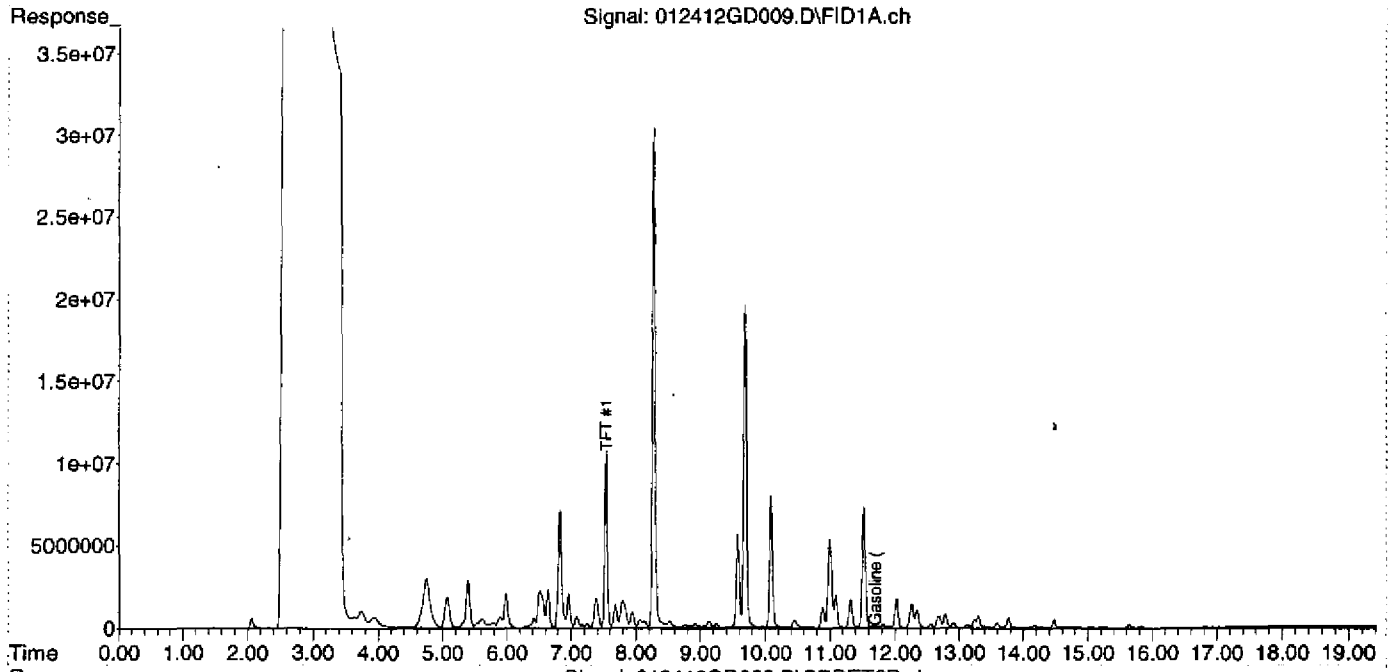
(f)=RT Delta > 1/2 Window (m)=manual int.

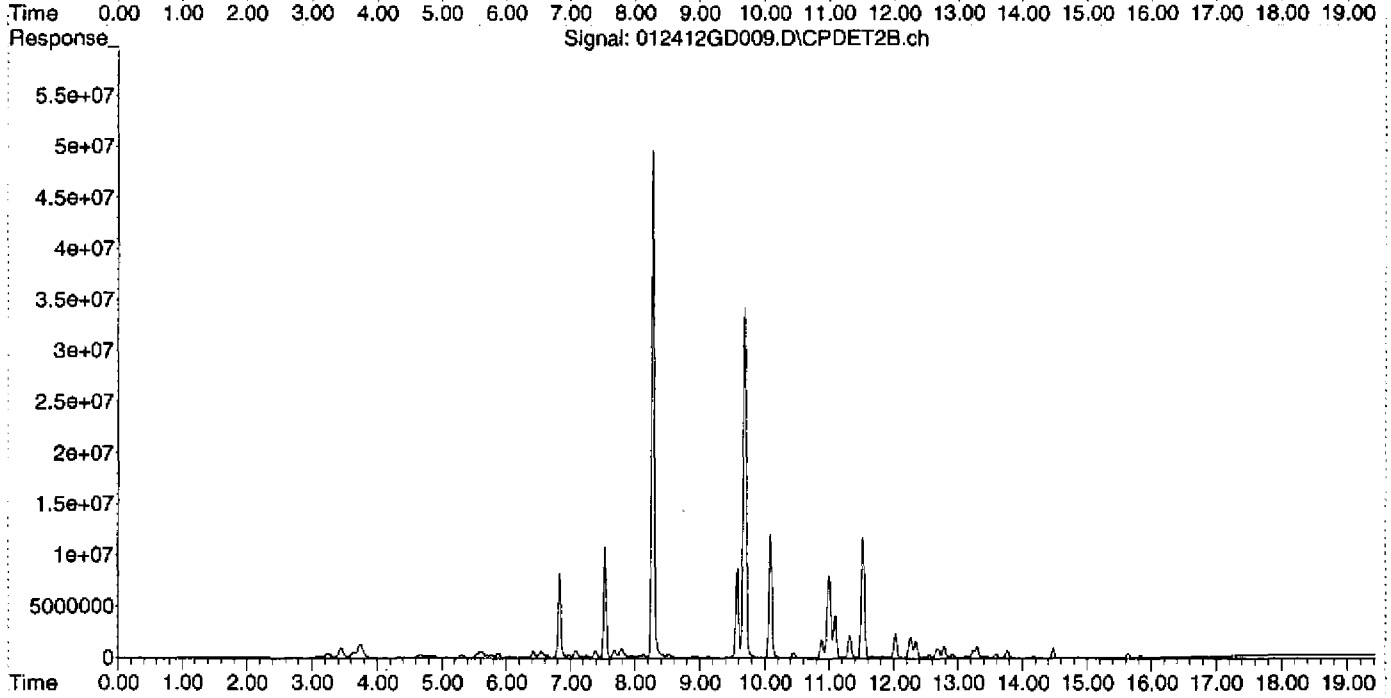
Quantitation Report (Not Reviewed)

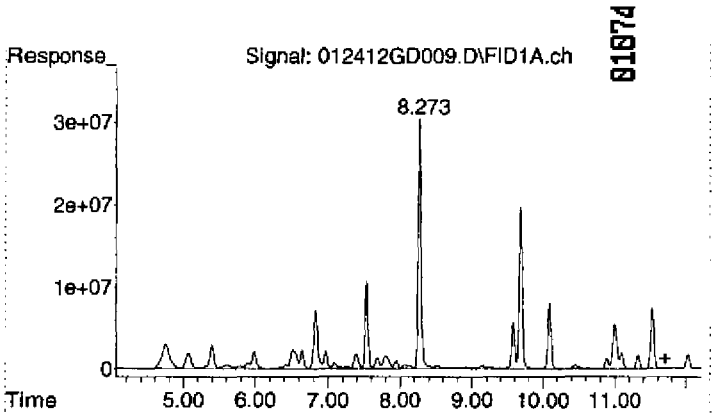
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 2:46 pm
Operator : YNB
Sample : 2010034-CAL5
Misc : 2000ug/L, 1J17001, WATER
ALS Vial : 9 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

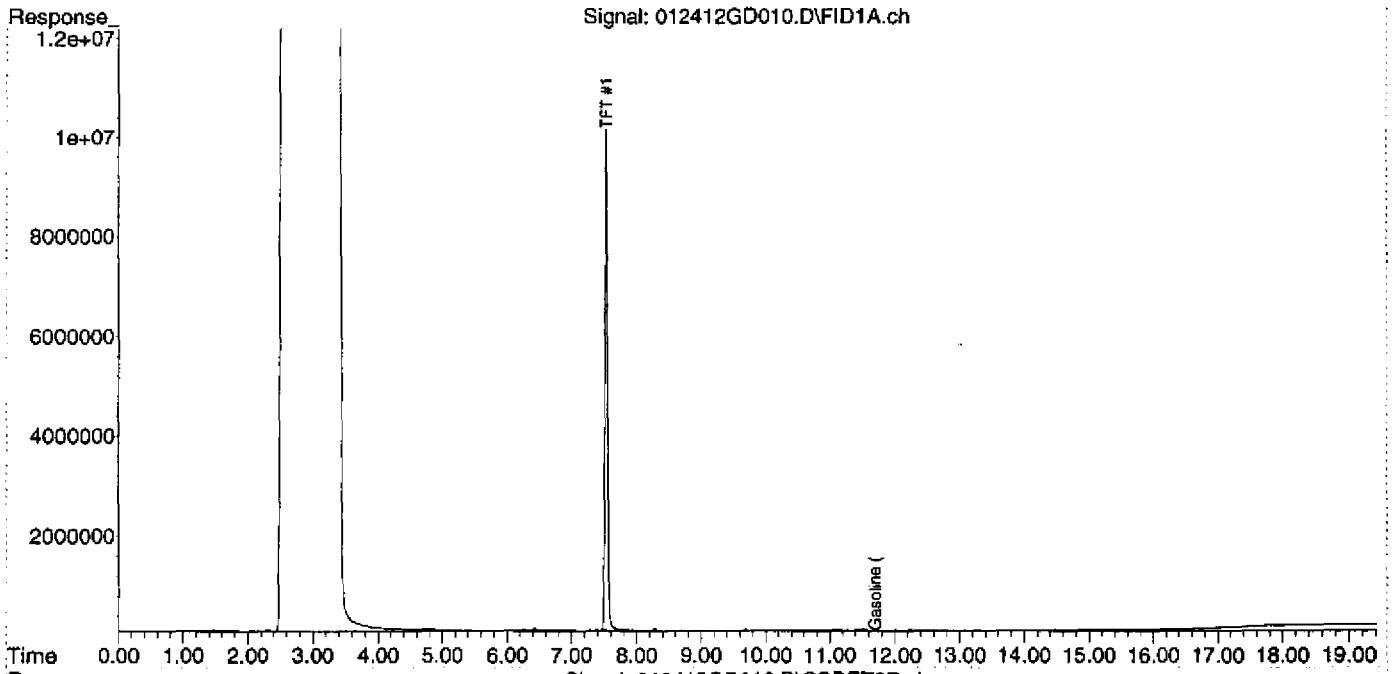
(f)=RT Delta > 1/2 Window (m)=manual int.

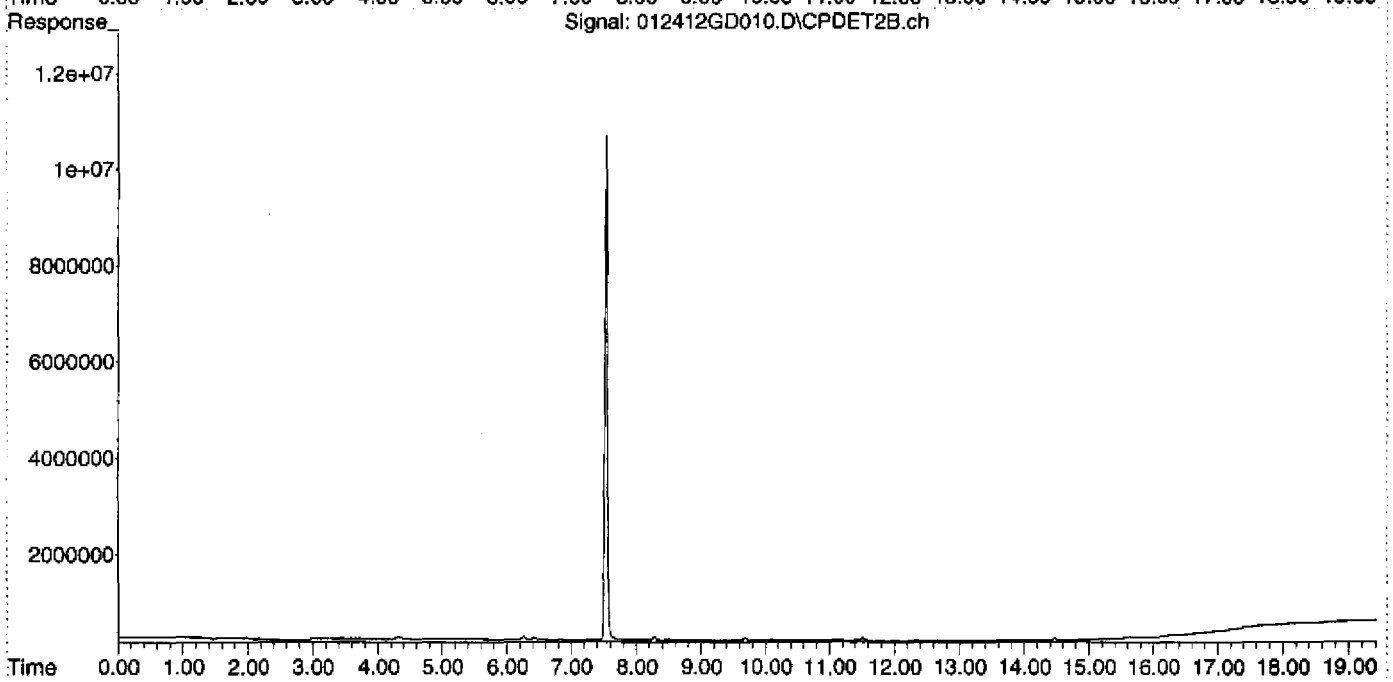
Quantitation Report (Not Reviewed)

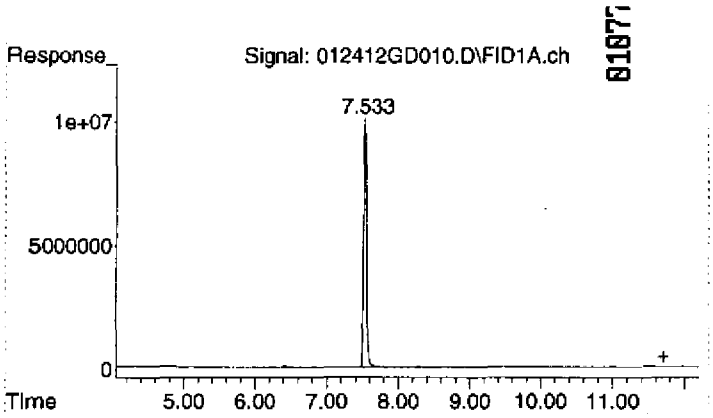
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:15 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 10 Sample Multiplier: 1

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

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

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

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

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

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

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

112%
70-130 limit
YNB
01.25.12

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

100.1%
YNB
01.25.12

00061

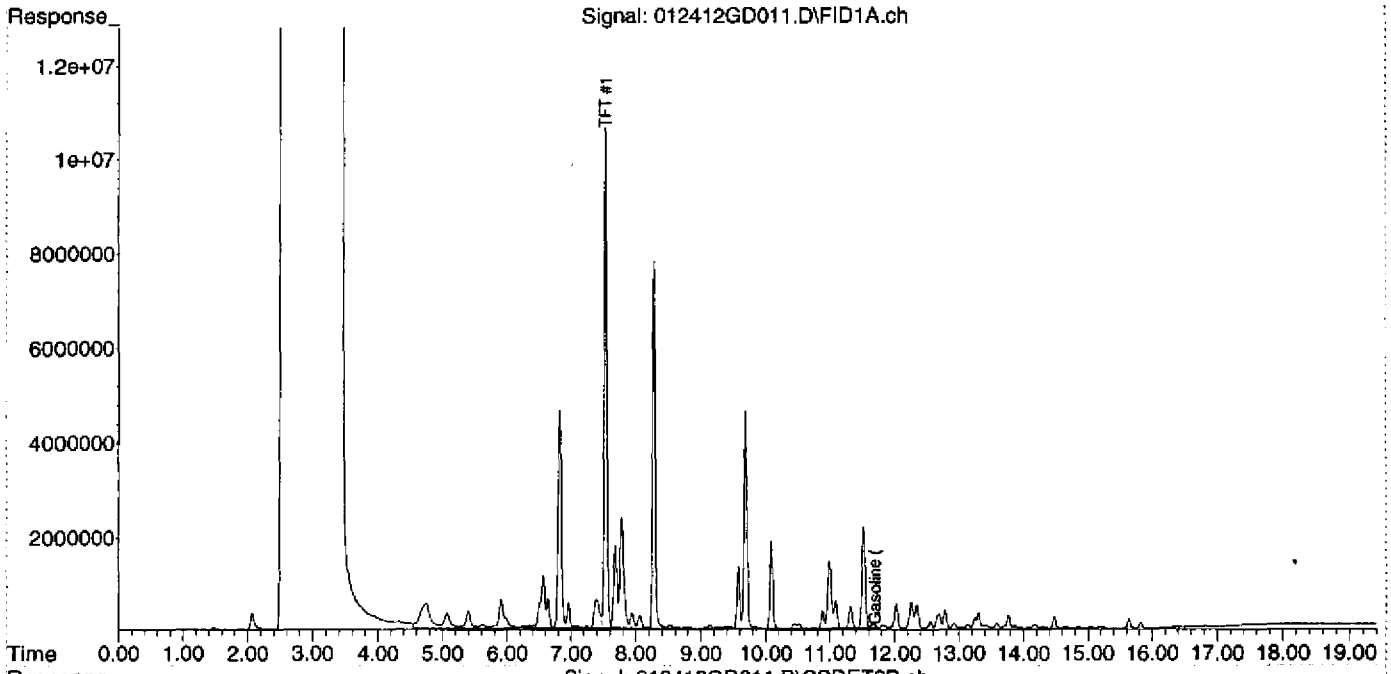
Quantitation Report (Not Reviewed)

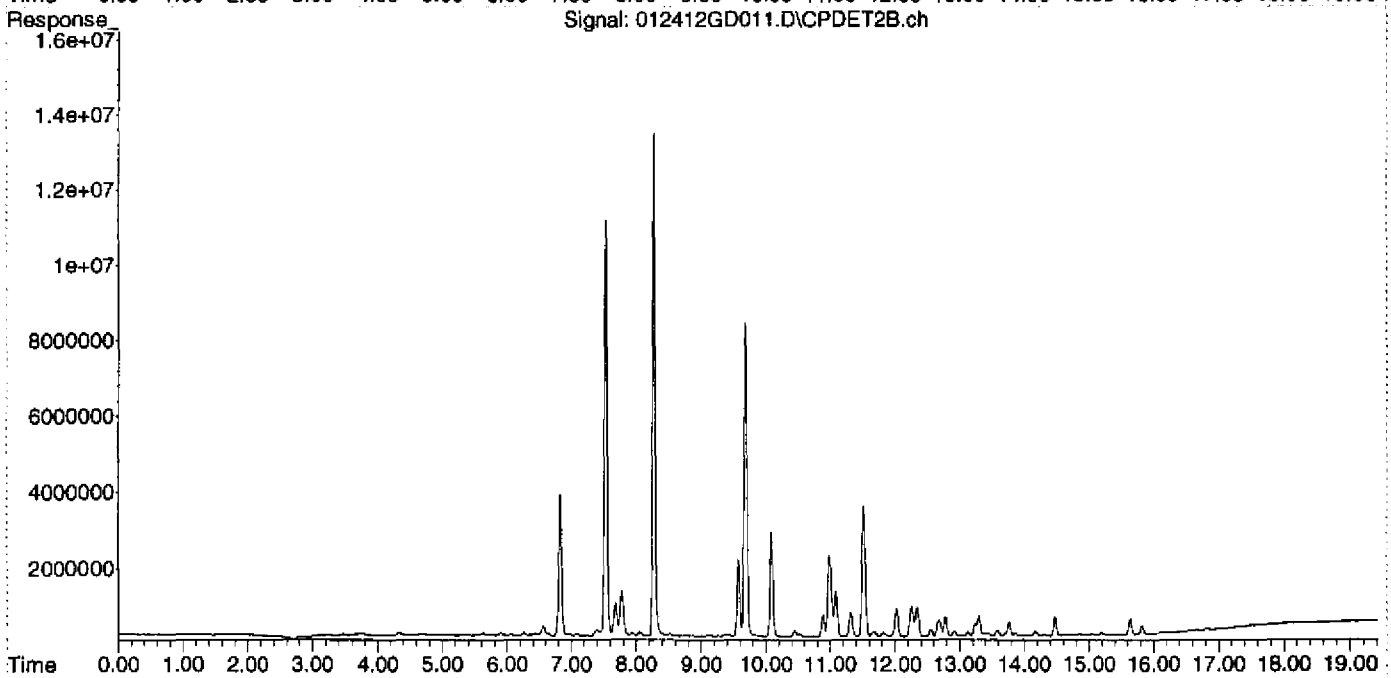
01879

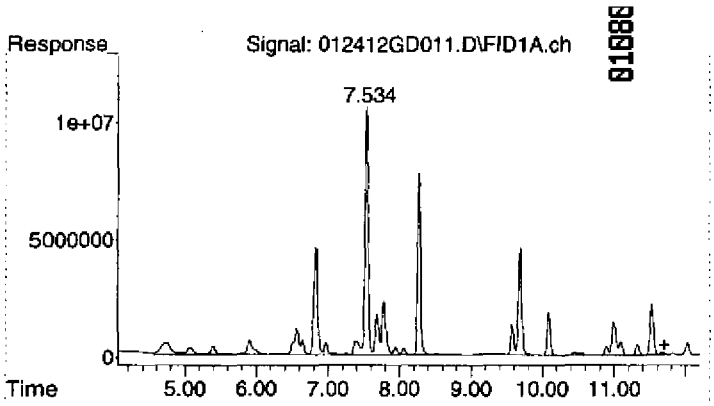
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 3:43 pm
Operator : YNB
Sample : 2010034-SCV1
Misc : 500ug/L, 2A10001, WATER
ALS Vial : 11 Sample Multiplier: 1

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

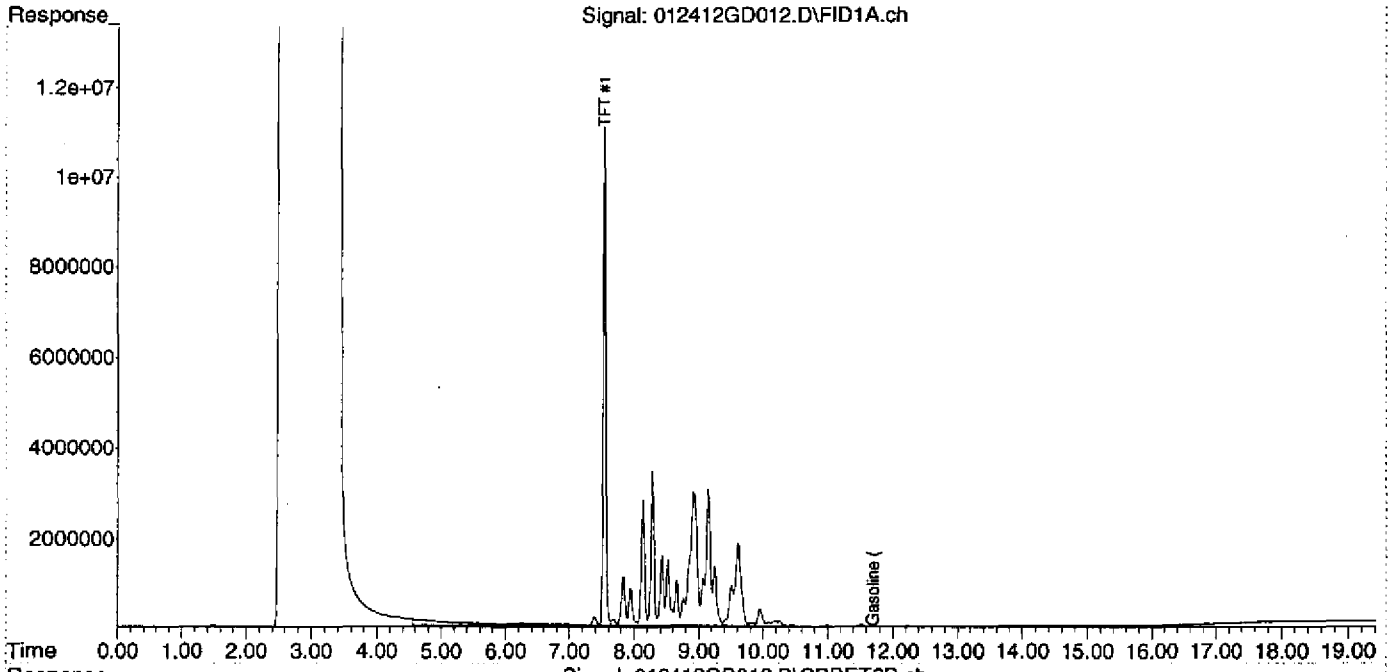
(f)=RT Delta > 1/2 Window (m)=manual int.

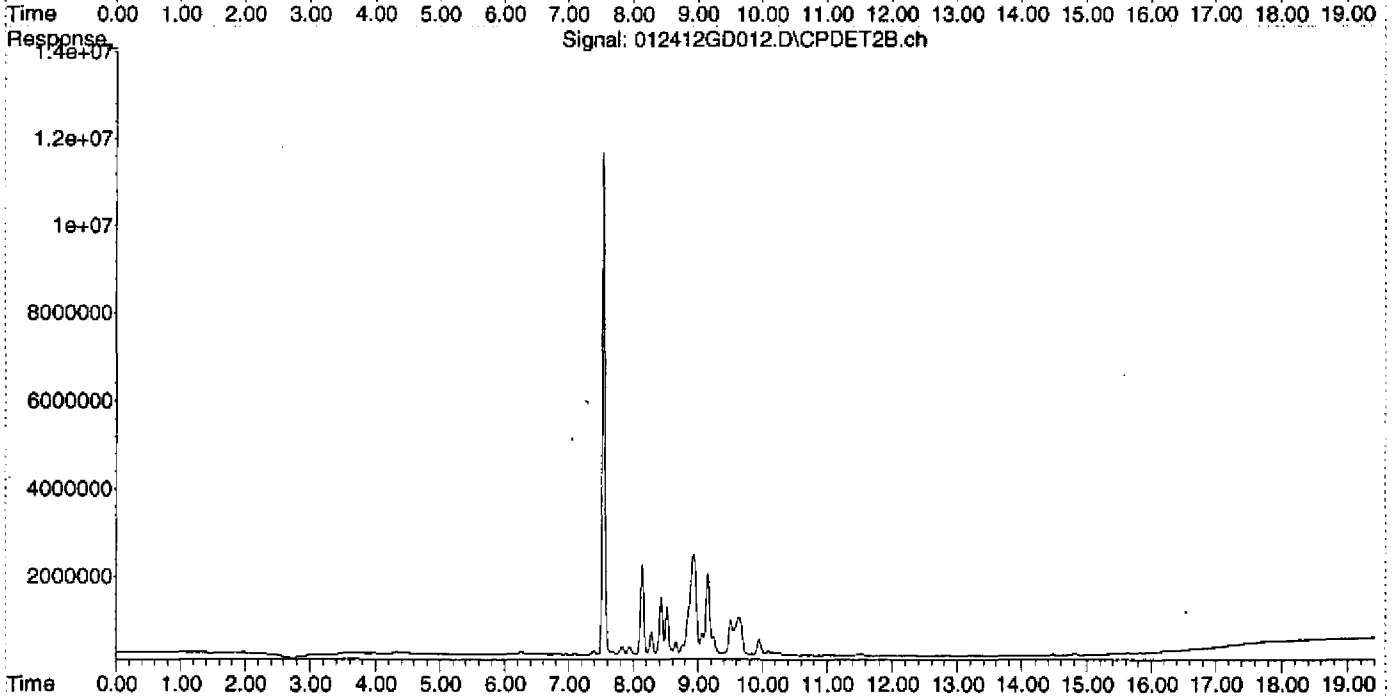
Quantitation Report (Not Reviewed)

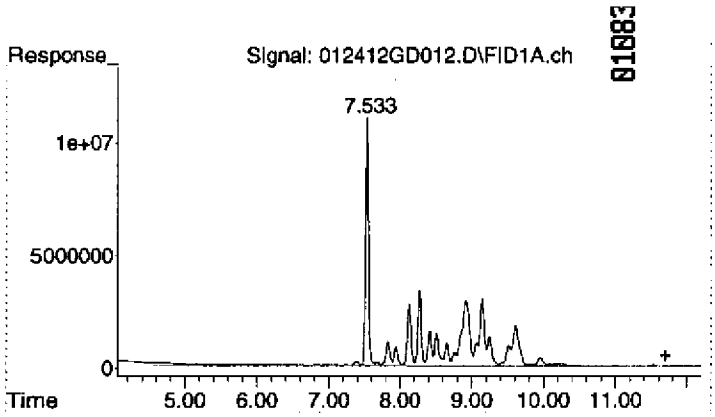
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:12 pm
Operator : YNB
Sample : 2010034-ICB1
Misc : NAPHTHA, 2A10005, WATER
ALS Vial : 12 Sample Multiplier: 1

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

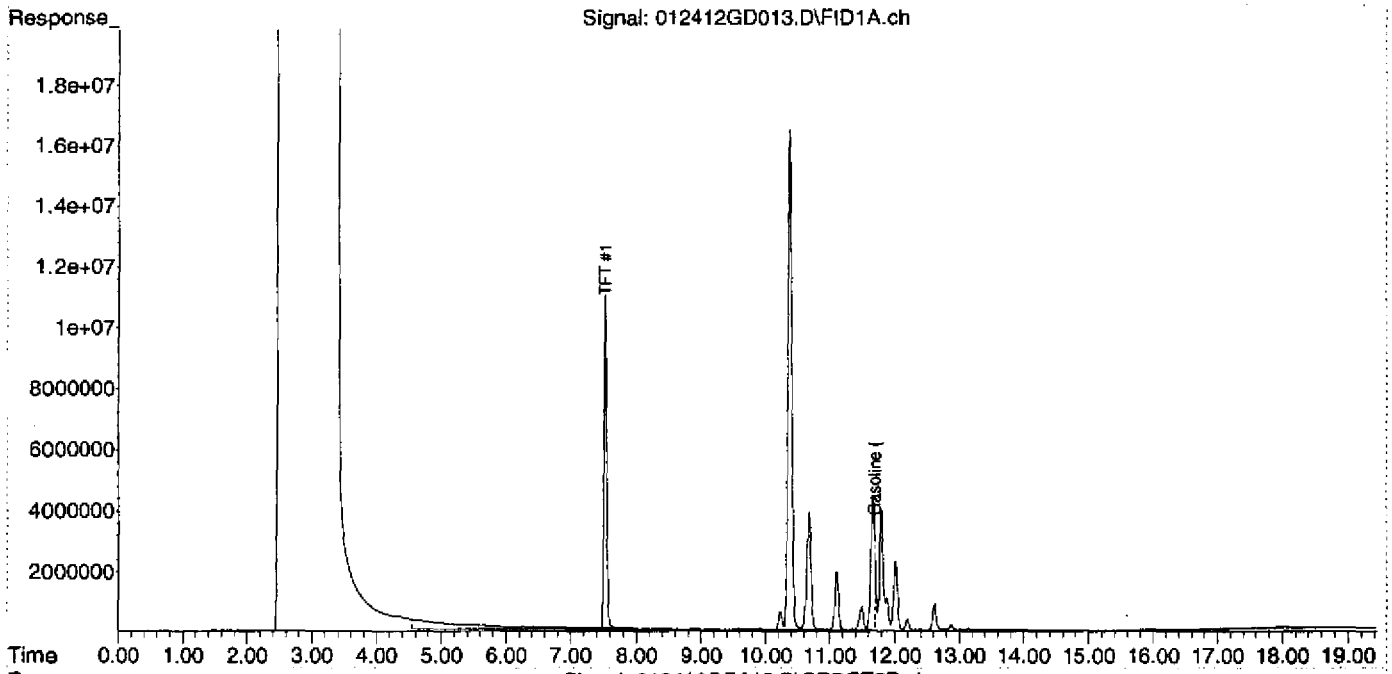
(f)=RT Delta > 1/2 Window (m)=manual int.

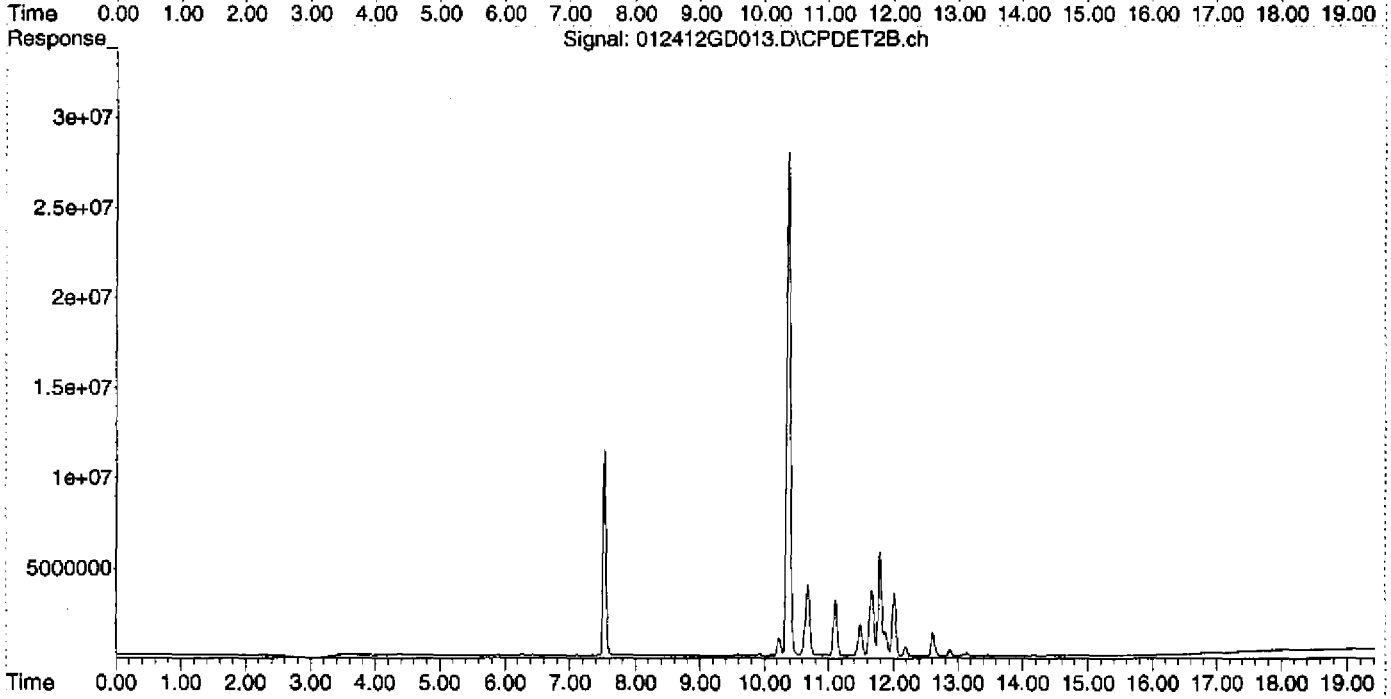
Quantitation Report (Not Reviewed)

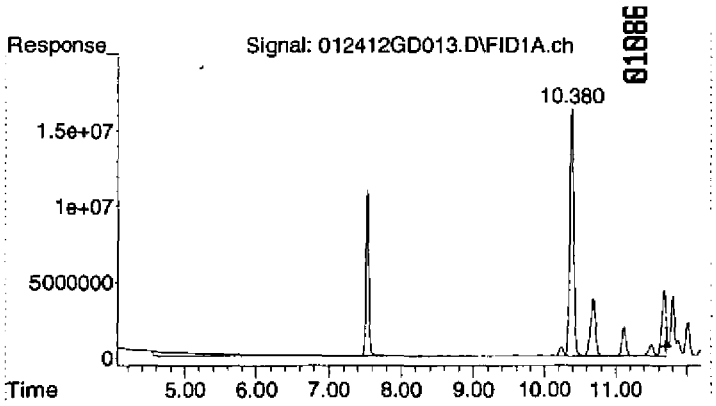
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 4:40 pm
Operator : YNB
Sample : 2010034-ICB2
Misc : TURPENTINE, 2A10006, WATER
ALS Vial : 13 Sample Multiplier: 1

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.

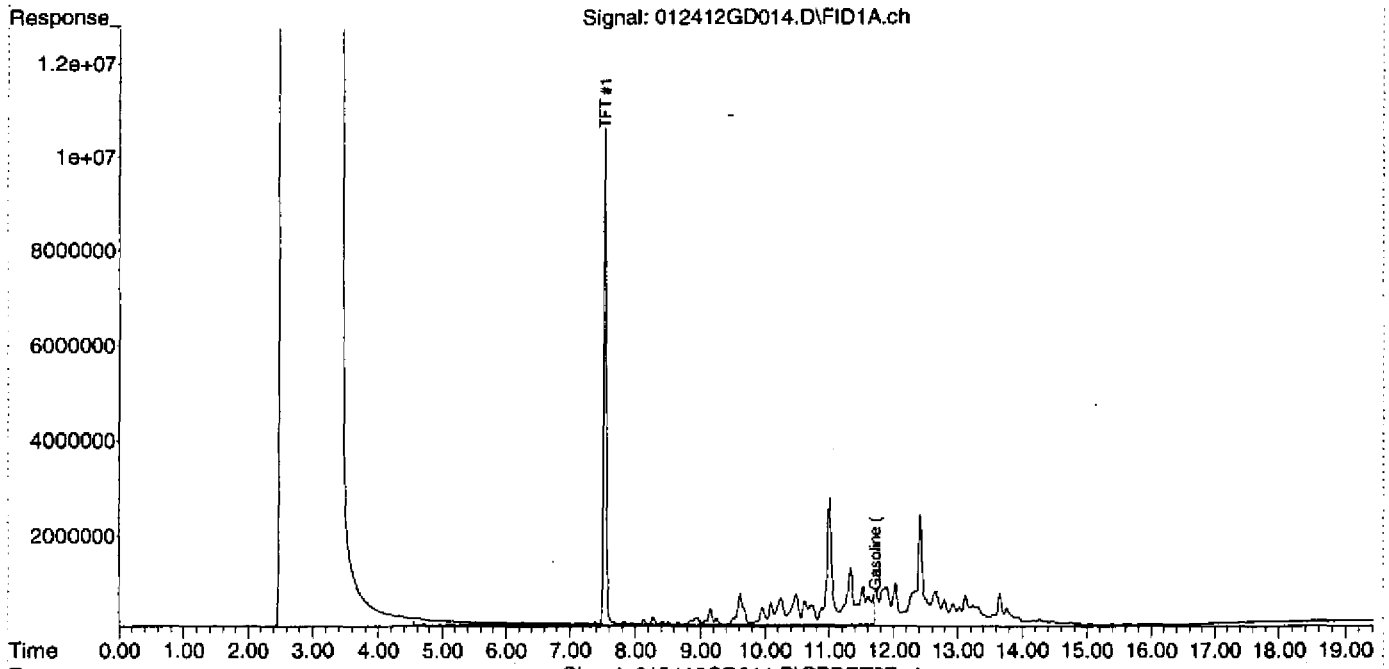
00069
DIM0278254
DIM0278330

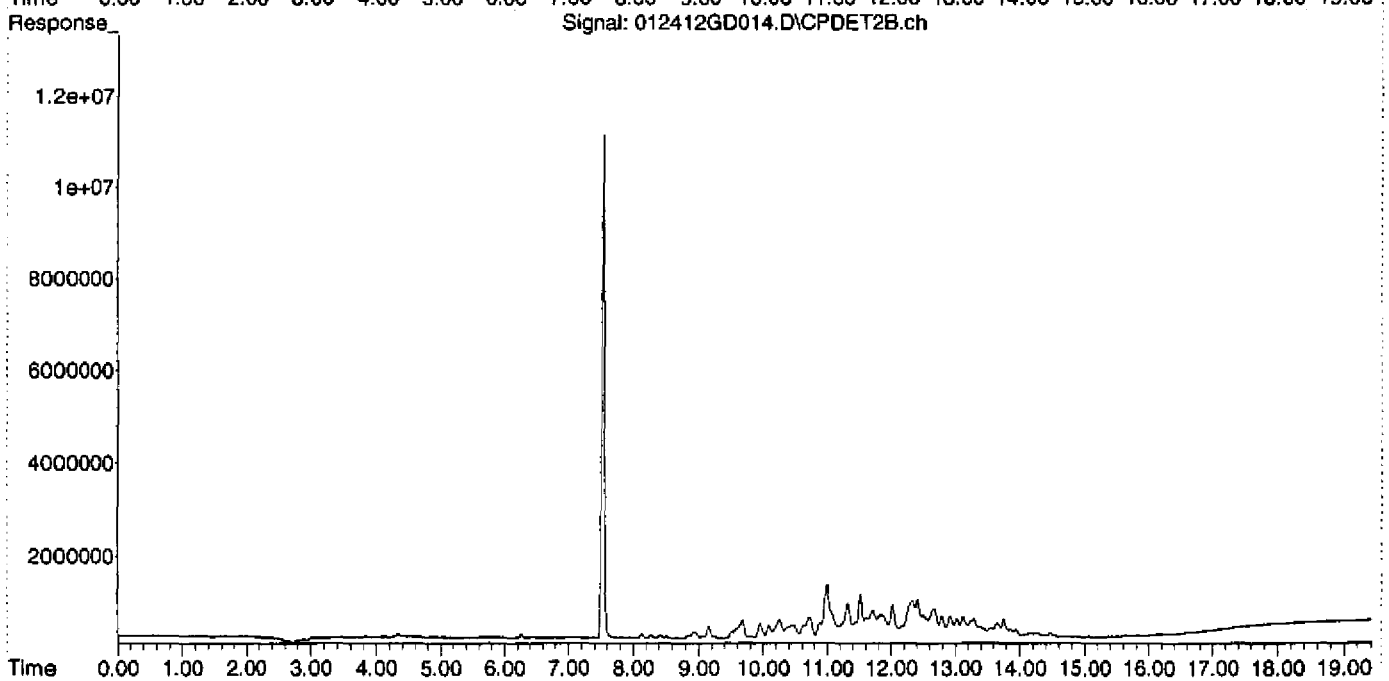
Quantitation Report (Not Reviewed)

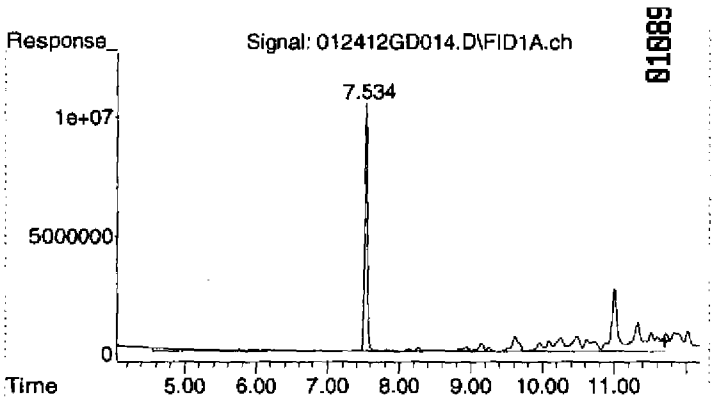
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:08 pm
Operator : YNB
Sample : 2010034-ICB3
Misc : MIN.SPIRITS, 2A10007, WATER
ALS Vial : 14 Sample Multiplier: 1

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

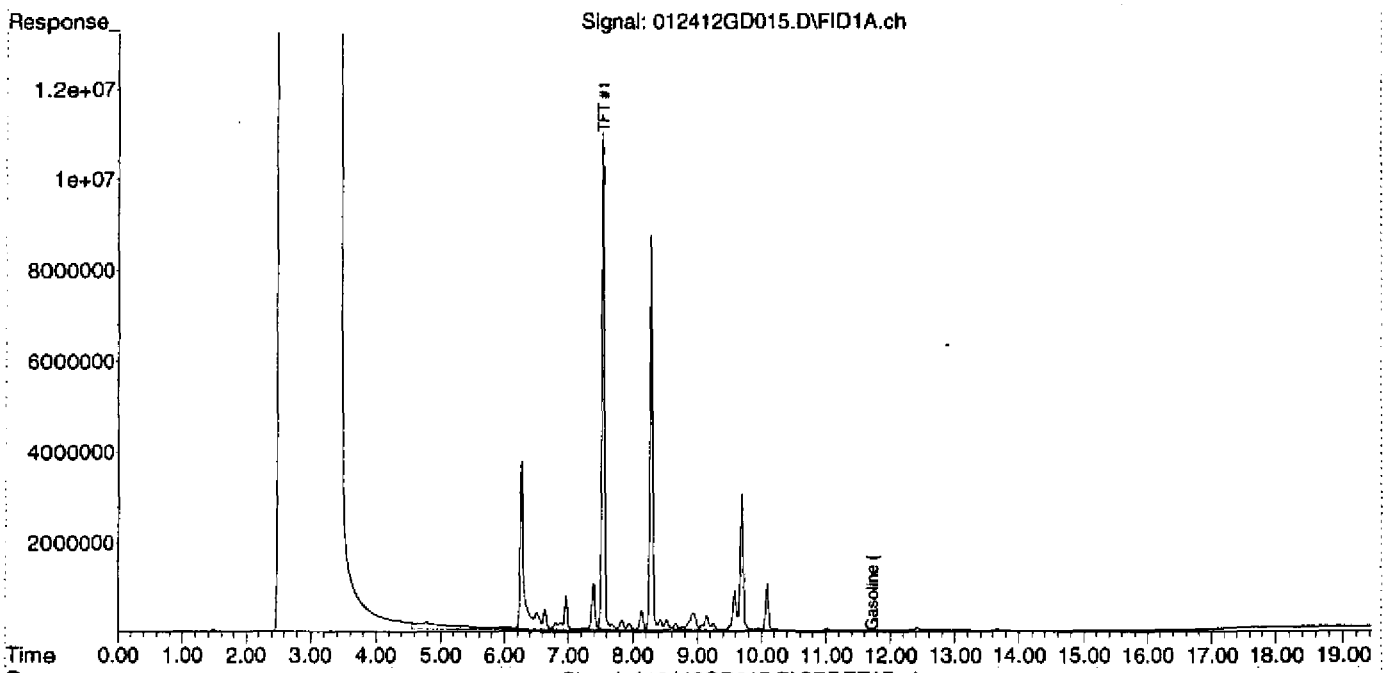
(f)=RT Delta > 1/2 Window (m)=manual int.

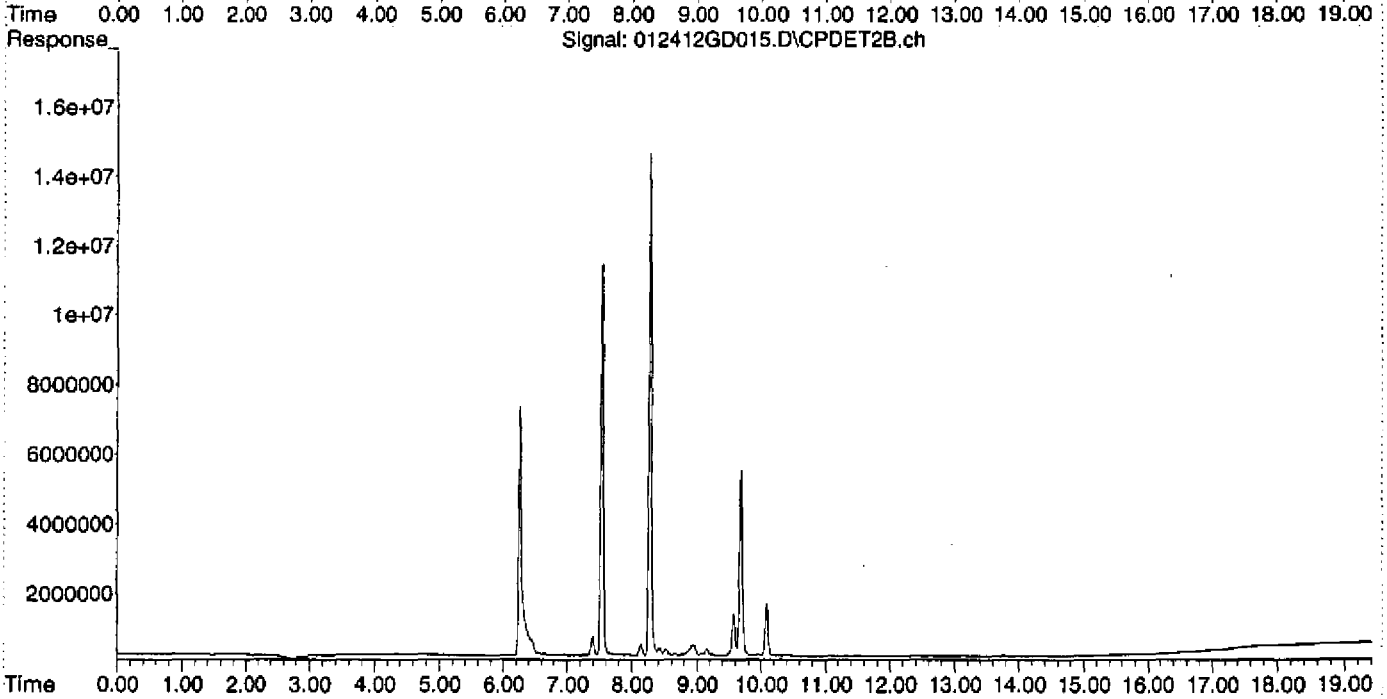
Quantitation Report (Not Reviewed)

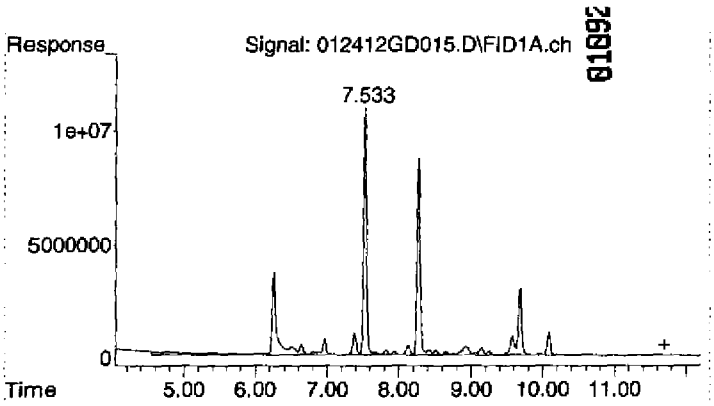
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 5:37 pm
Operator : YNB
Sample : 2010034-ICB4
Misc : LACQUER, 2AI0009, WATER
ALS Vial : 15 Sample Multiplier: 1

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)

01893

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

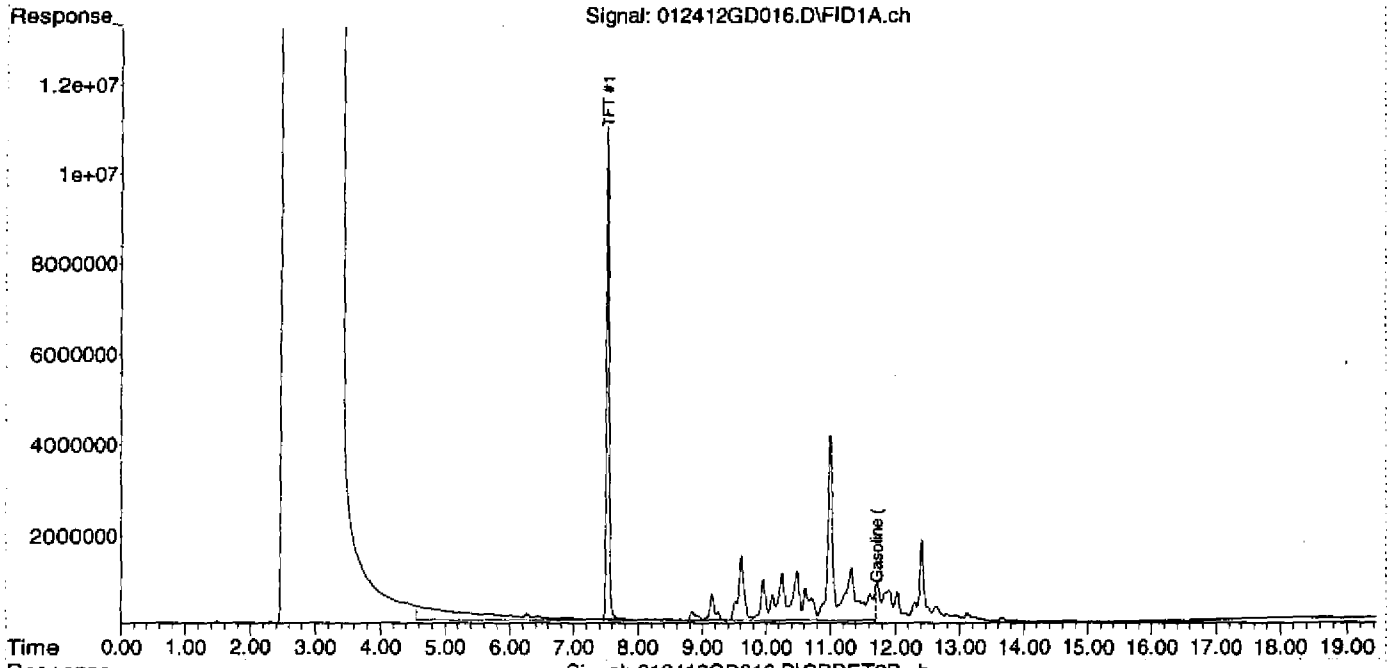
(f)=RT Delta > 1/2 Window (m)=manual int.

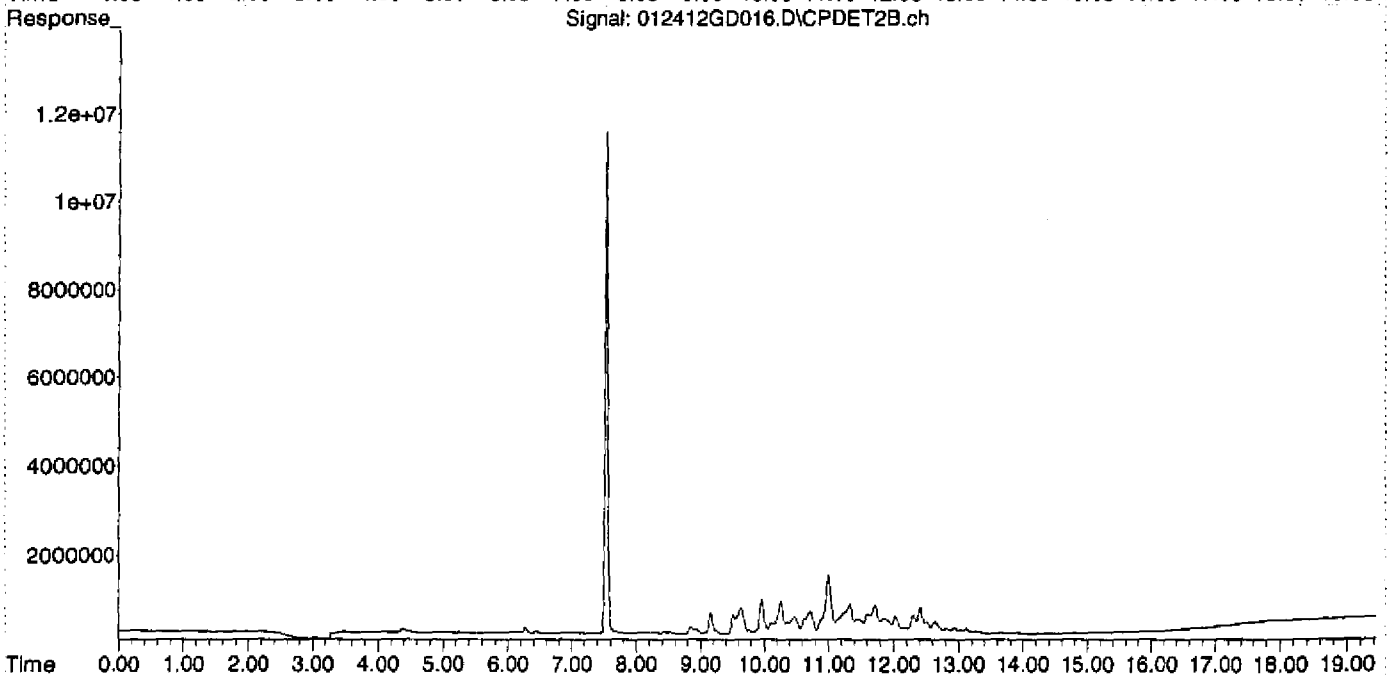
Quantitation Report (Not Reviewed)

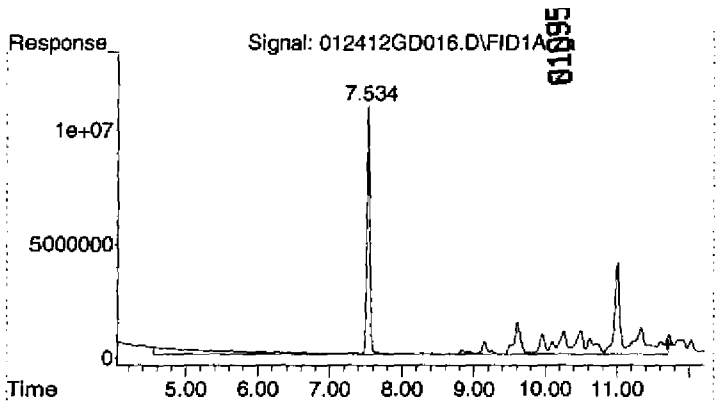
Data Path : D:\MSDCHEM\2012\data\012412\
Data File : 012412GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:05 pm
Operator : YNB
Sample : 2010034-ICB5
Misc : STODDARD, 2A10011, WATER
ALS Vial : 16 Sample Multiplier: 1

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

0109E

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

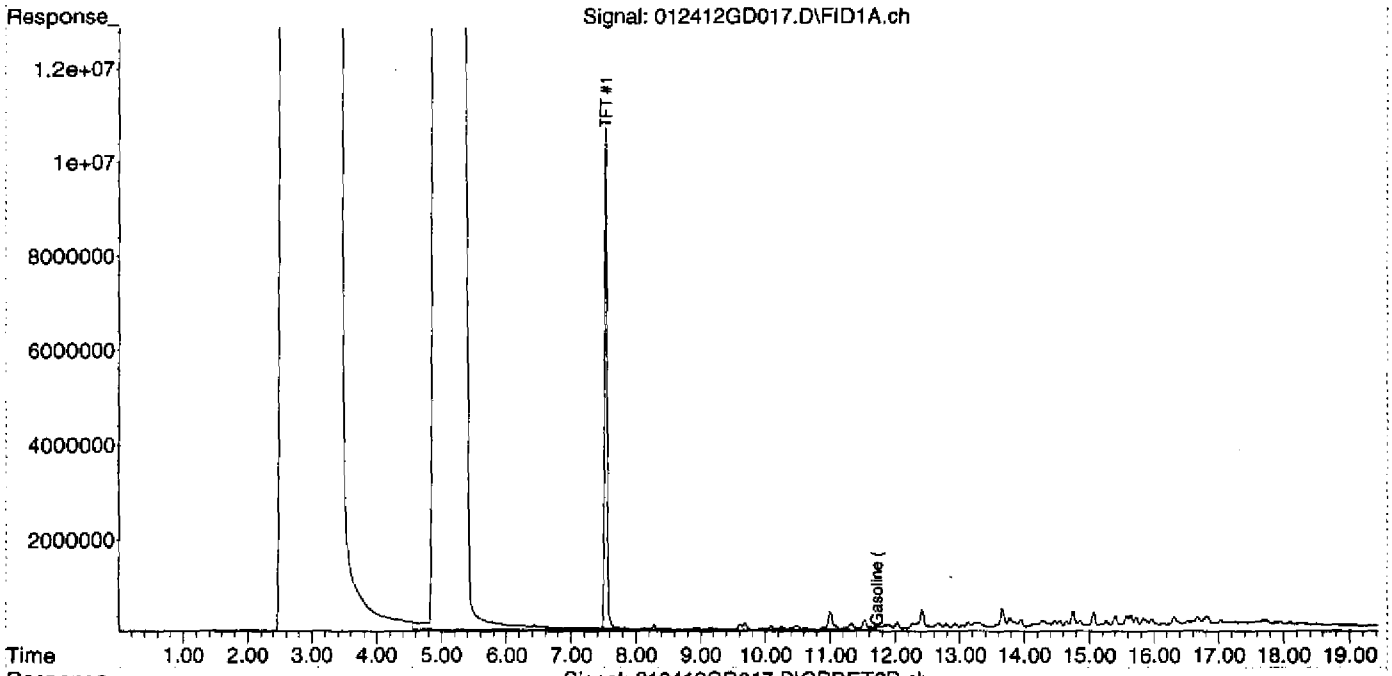
(f)=RT Delta > 1/2 Window (m)=manual int.

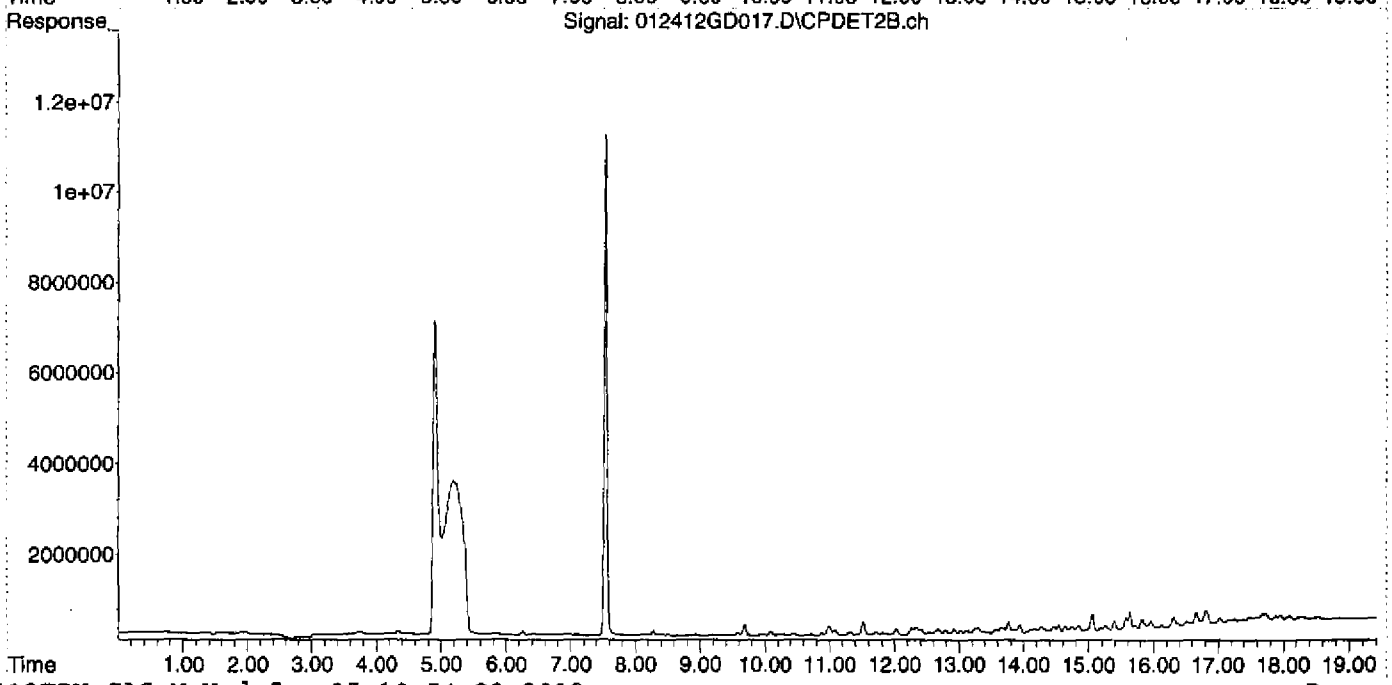
01097

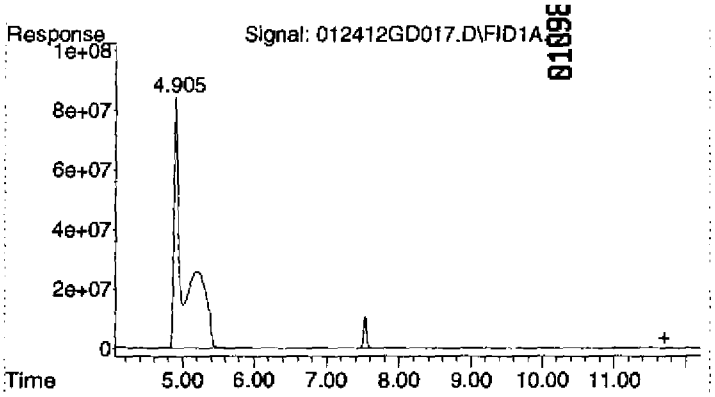
Data Path : D:\MSDCHEM\Data\012412\
Data File : 012412GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 24 Jan 2012 6:33 pm
Operator : YNB
Sample : 2010034-ICB6
Misc : DIESEL, 2A10012, WATER
ALS Vial : 17 Sample Multiplier: 1

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

01699

SDG: R33911 / 12033A

Instrument: AG 5975D

Analysis Date: 02.02.12

SAMPLE DATA

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

Injection Log

Operator: YNB
Directory: I:\Data\ROOM209\AG5975 D\2012\data\020212\

Vial	File Name	Mult	Sample Info	Misc Info	Date Acquired
1	020212GD001.D	1	2020005-IBL1	2A24003, IB	2 Feb 2012 10:51 am
2	020212GD002.D	1	2020005-CCV1	500ug/L, 1J17001, WATER	2 Feb 2012 11:19 am
3	020212GD003.D	1	2020005-LCV1	50ug/L, 1J17001, WATER	2 Feb 2012 11:47 am
4	020212GD004.D	1	B2B0011-BLK1	BLANK, WATER	2 Feb 2012 12:15 pm
5	020212GD005.D	1	B2B0011-BS1	500ug/L, 1J17001, WATER	2 Feb 2012 12:44 pm
6	020212GD006.D	1	1202005-06	TB12,,A, WATER	2 Feb 2012 1:13 pm
7	020212GD007.D	1	1202005-07	FB07,,D, WATER	2 Feb 2012 1:41 pm
8	020212GD008.D	1	1202005-13	TB10,A, WATER	2 Feb 2012 2:09 pm
9	020212GD009.D	1	1202005-14	TB11,A, WATER	2 Feb 2012 2:37 pm
10	020212GD010.D	1	1202005-15	TB13,A, WATER	2 Feb 2012 3:05 pm
11	020212GD011.D	1	1202005-01	HW32,D, WATER	2 Feb 2012 3:34 pm
12	020212GD012.D	1	1202005-02	HW32-P,D, WATER	2 Feb 2012 4:03 pm
13	020212GD013.D	1	1202005-03	HW33,D, WATER	2 Feb 2012 4:31 pm
14	020212GD014.D	1	1202005-04	HW33a-P,C, WATER	2 Feb 2012 5:00 pm
15	020212GD015.D	1	1202005-05	HW33b-P,C, WATER	2 Feb 2012 5:29 pm
16	020212GD016.D	1	1202005-08	HW26-P,A, WATER	2 Feb 2012 5:57 pm
17	020212GD017.D	1	1202005-09	HW29,D, WATER	2 Feb 2012 6:25 pm
18	020212GD018.D	1	1202005-10	HW29z,D, WATER	2 Feb 2012 6:54 pm
19	020212GD019.D	1	1202005-12	HW52,D, WATER	2 Feb 2012 7:22 pm
20	020212GD020.D	1	1202005-16	HW26,A, WATER	2 Feb 2012 7:50 pm
21	020212GD021.D	1	1202005-11	HW35,A, WATER	2 Feb 2012 8:19 pm
22	020212GD022.D	1	B2B0011-MS1	HW35,C, WATER SPIKE	2 Feb 2012 8:47 pm
23	020212GD023.D	1	B2B0011-MSD1	HW35,F, WATER SPIKE	2 Feb 2012 9:15 pm OK
24	020212GD024.D	1	BLANK	BLANK, WATER	2 Feb 2012 9:43 pm
25	020212GD025.D	1	2020005-CCV2	500ug/L, 1J17001, WATER	2 Feb 2012 10:12 pm
26	020212GD026.D	1	2020005-CCV3	500ug/L, 1J17001, WATER	2 Feb 2012 10:40 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

GC QA-QC Check Report 01182

Daily Calibration File : D:\MSDCHEM\2012\data\020212\020212GD002.D
Time Acquired : 2 Feb 2012 11:19 am

File	Sample	Surrogate Recovery %	Internal Standard Responses
020212GD004.D	B2B0011-BLK1	103	
020212GD005.D	B2B0011-BS1	108	
020212GD006.D	1202005-06	103	
020212GD007.D	1202005-07	102	
020212GD008.D	1202005-13	103	
020212GD009.D	1202005-14	106	
020212GD010.D	1202005-15	102	
020212GD011.D	1202005-01	104	
020212GD012.D	1202005-02	101	
020212GD013.D	1202005-03	102	
020212GD014.D	1202005-04	103	
020212GD015.D	1202005-05	103	
020212GD016.D	1202005-08	103	
020212GD017.D	1202005-09	108	
020212GD018.D	1202005-10	100	
020212GD019.D	1202005-12	103	
020212GD020.D	1202005-16	103	
020212GD021.D	1202005-11	101	
020212GD022.D	B2B0011-MS1	102	
020212GD023.D			

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

Created: Fri Feb 03 11:58:10 2012 GC-FID-PID

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:51 am
Operator : YNB
Sample : 2020005-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 02 11:43:39 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.523	310871811	129.313 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.45%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	9529889	4.280 ug/L

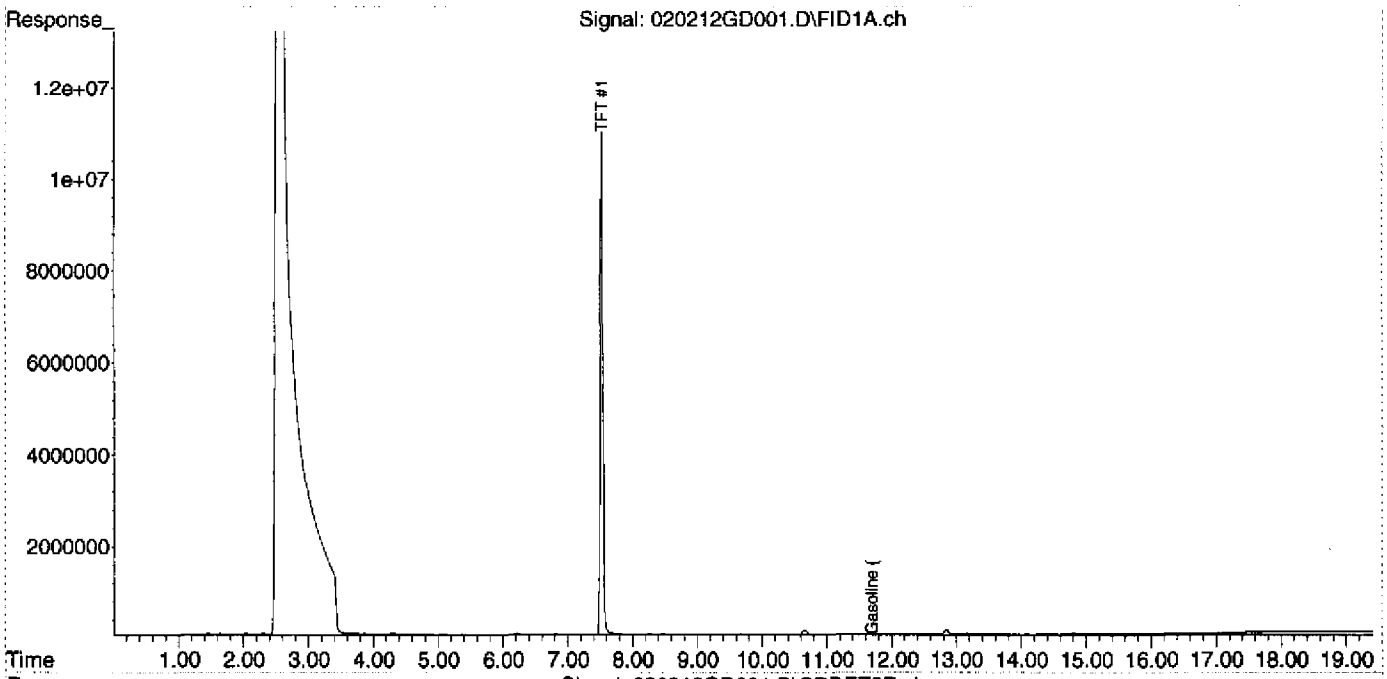
(f)=RT Delta > 1/2 Window (m)=manual int.

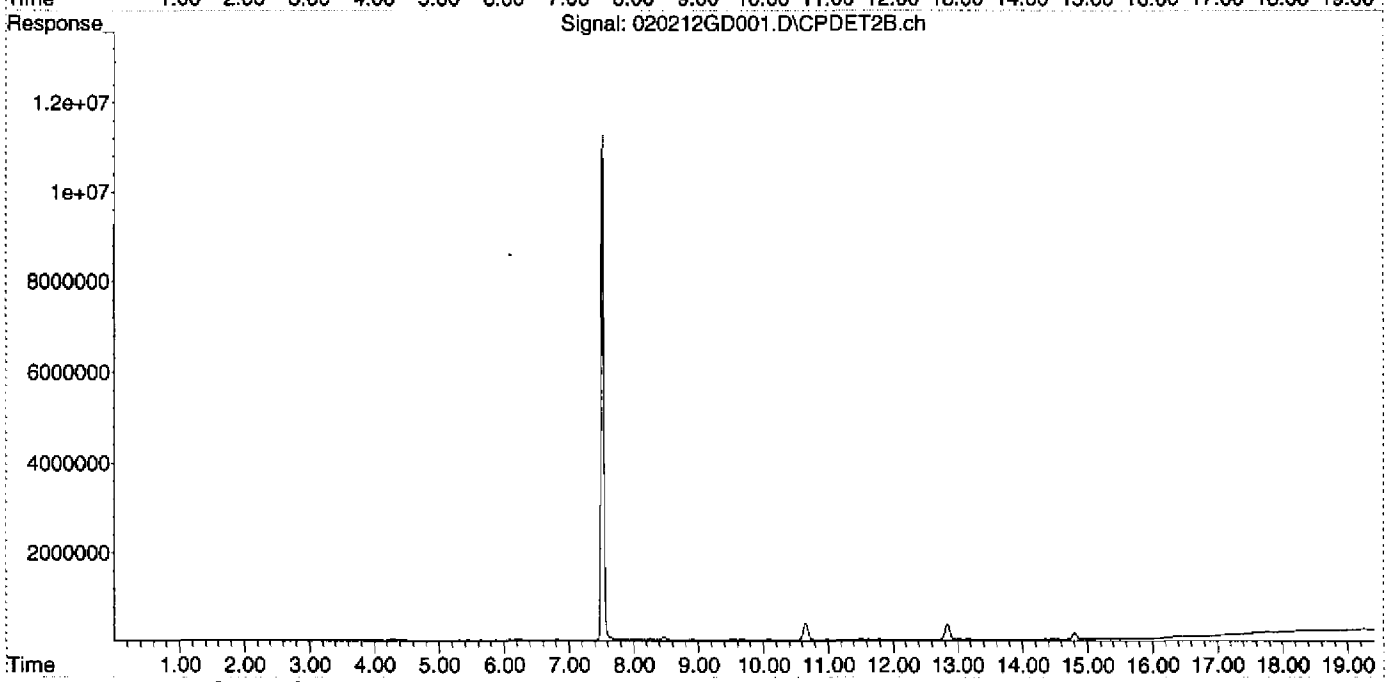
Quantitation Report (Not Reviewed)

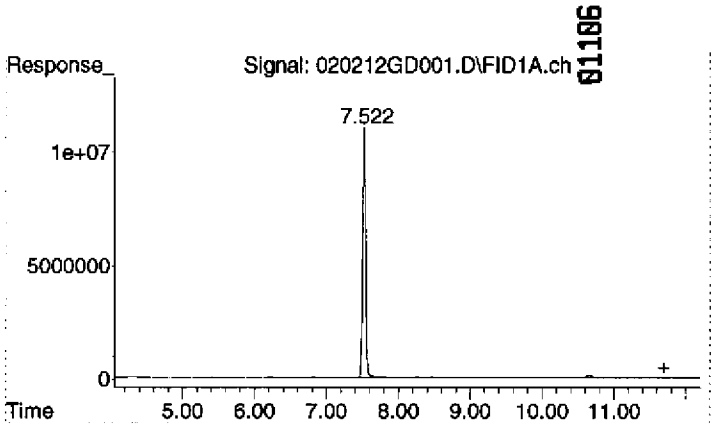
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD001.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:51 am
Operator : YNB
Sample : 2020005-IBL1
Misc : 2A24003, IB
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 11:43:39 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	9529889
Conc:	4.28 ug/L

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 11:19 am
Operator : YNB
Sample : 2020005-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 02 11:44:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 HRM Gasoline (TPH) #1	2.226	2.323 E6	-4.4	99	0.00
2 S TFT #1	2.404	2.482 E6	-3.2	104	0.00

Evaluate Continuing Calibration Report - Not Founds

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

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 11:19 am
Operator : YNB
Sample : 2020005-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 02 11:44:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.530	310281703	129.067 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.25%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1161403578	521.634 ug/L

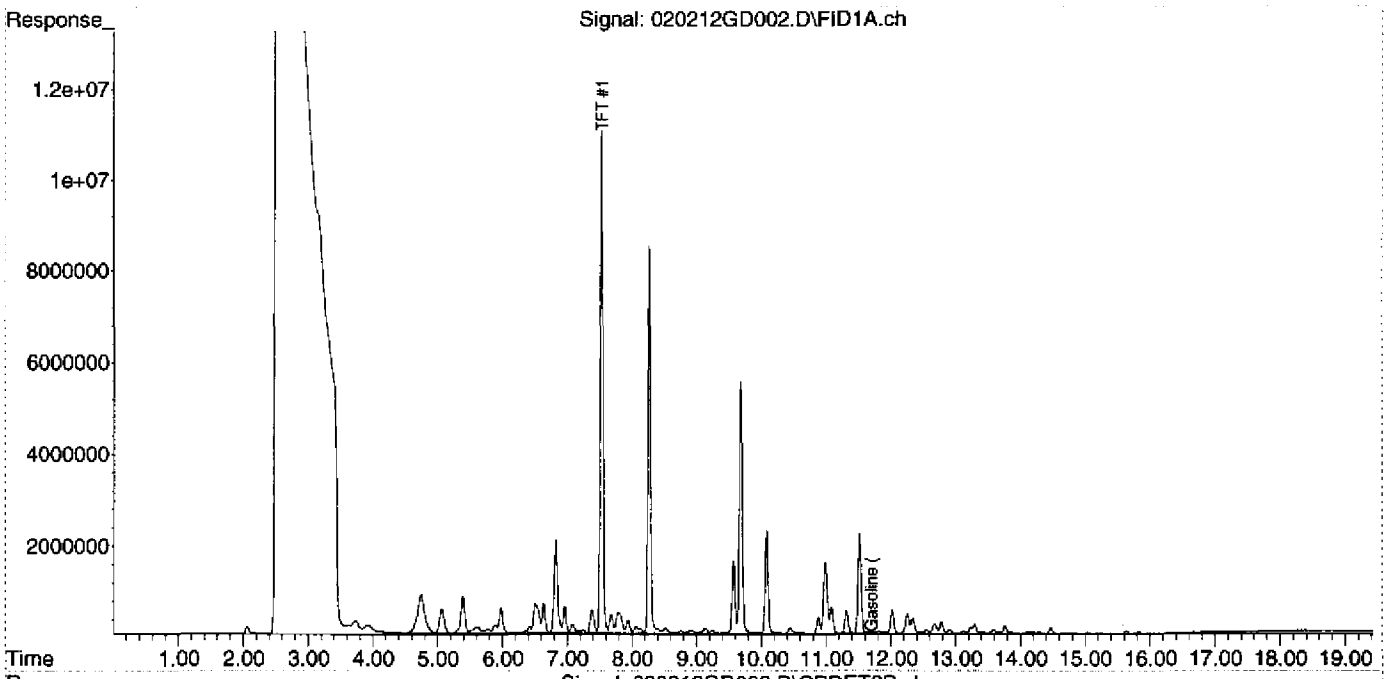
(f)=RT Delta > 1/2 Window (m)=manual int.

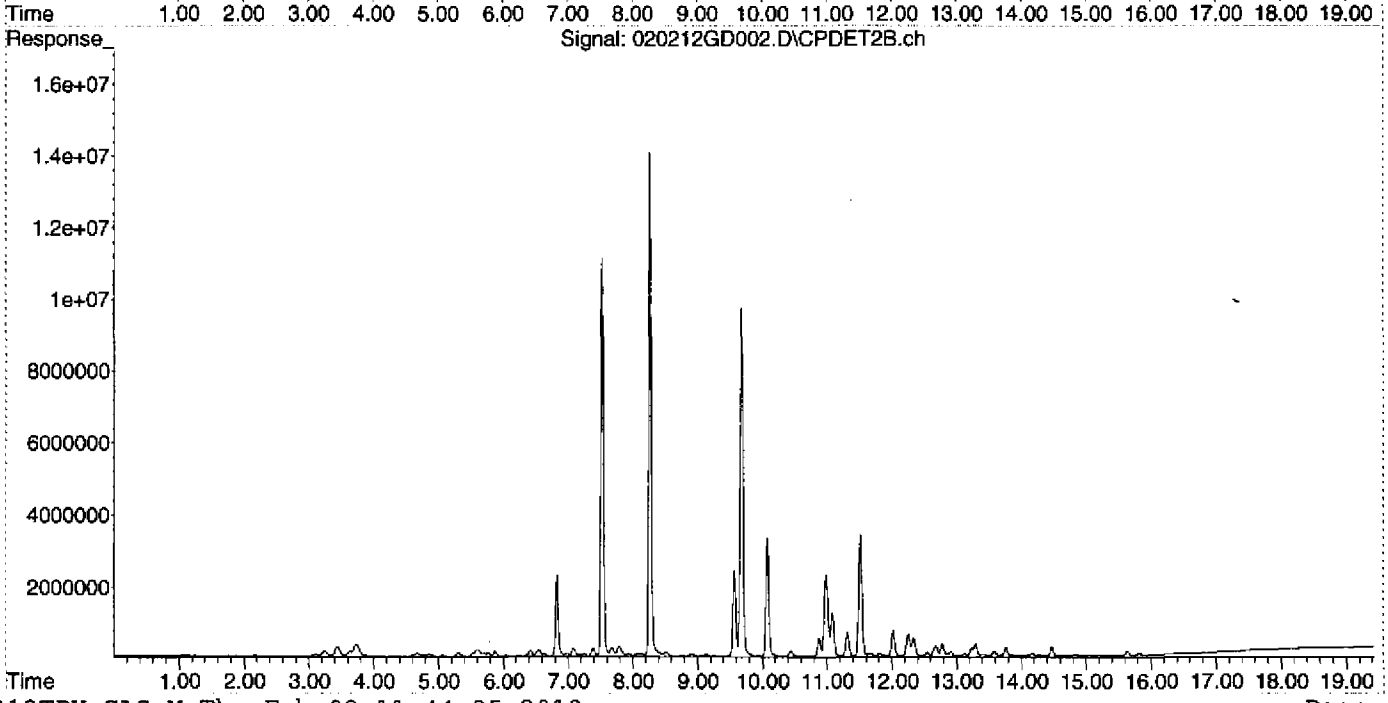
Quantitation Report (Not Reviewed)

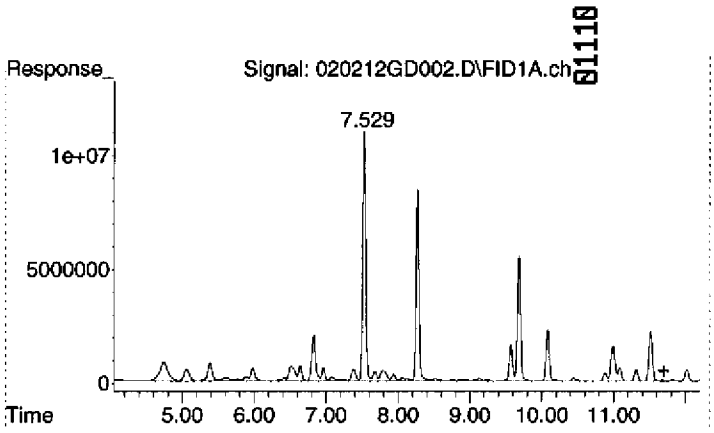
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD002.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 11:19 am
Operator : YNB
Sample : 2020005-CCV1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 11:44:05 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1161403578
Conc: 521.63 ug/L

Data File Name 020212GD003.D
Operator YNB
Sample Name 2020005-LCV1
Date Acquired
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVER	STATUS
1)	Gasoline (TPH) #1	ug/L	50	48.36	60	140	96.73%	PASS
2)	TFT #1	ug/L	125	128.82	76	121	103.05%	PASS

Quantitation Report (Not Reviewed)

01112

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 11:47 am
Operator : YNB
Sample : 2020005-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 02 12:22:54 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	309678176	128.816 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.05%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	107681656	48.364 ug/L

96.73%
60-140% limit
YNB
02.02.12

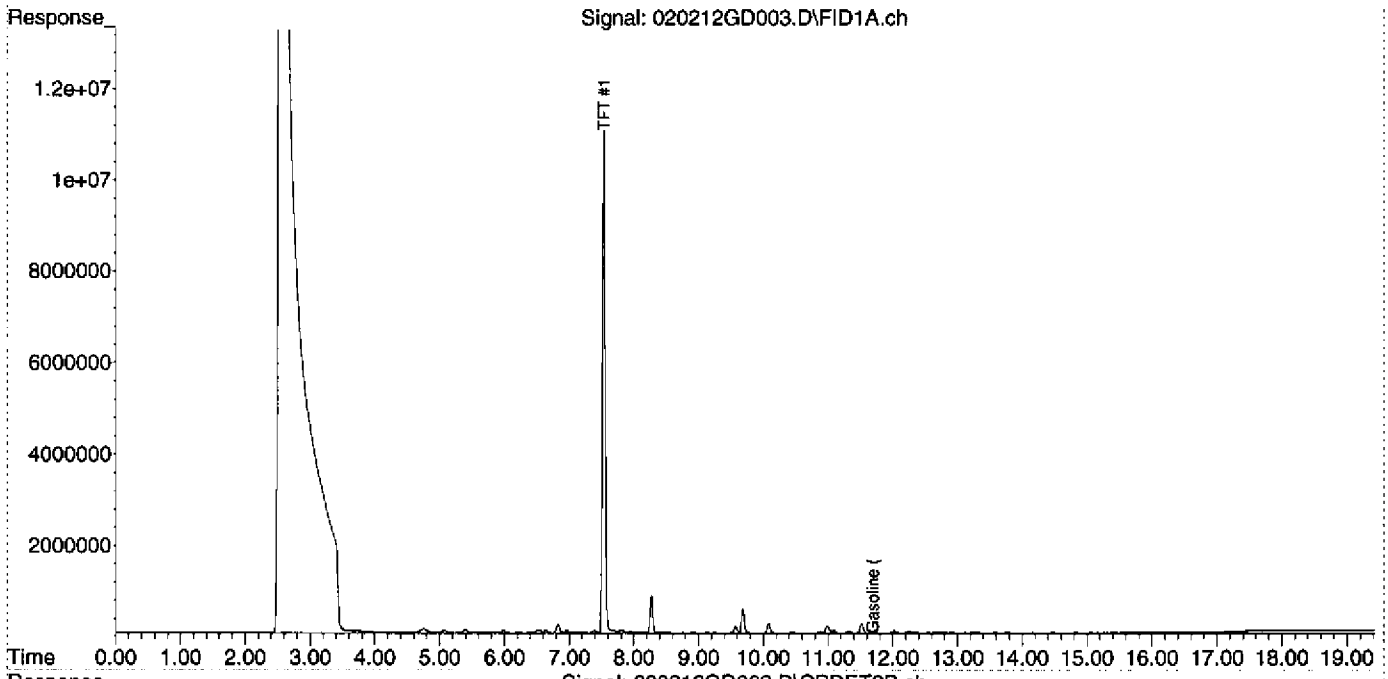
(f)=RT Delta > 1/2 Window (m)=manual int.

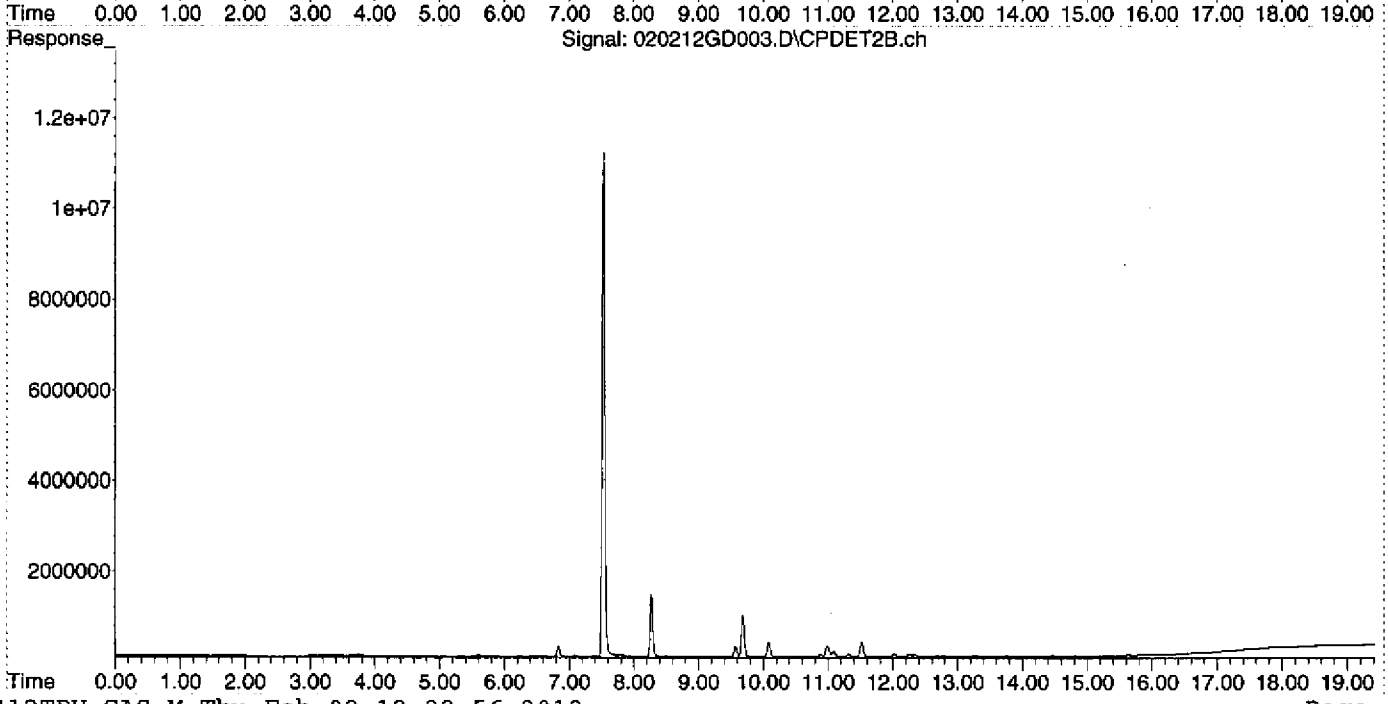
Quantitation Report (Not Reviewed)

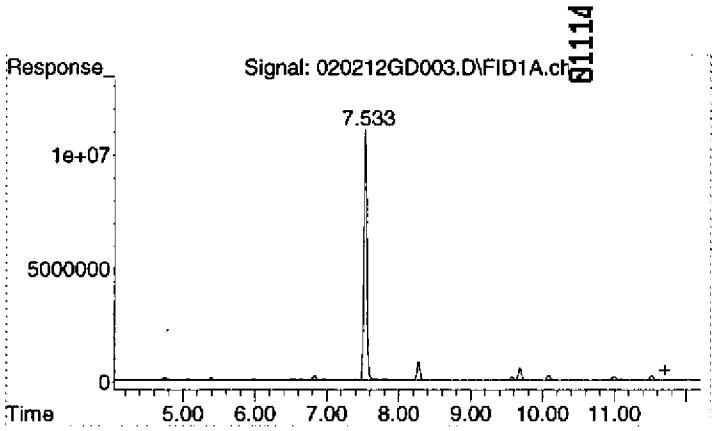
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD003.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 11:47 am
Operator : YNB
Sample : 2020005-LCV1
Misc : 50ug/L, 1J17001, WATER
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 12:22:54 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 107681656
Conc: 48.36 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 12:15 pm
Operator : YNB
Sample : B2B0011-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 02 13:31:13 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 : 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	309996901	128.949	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.16%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

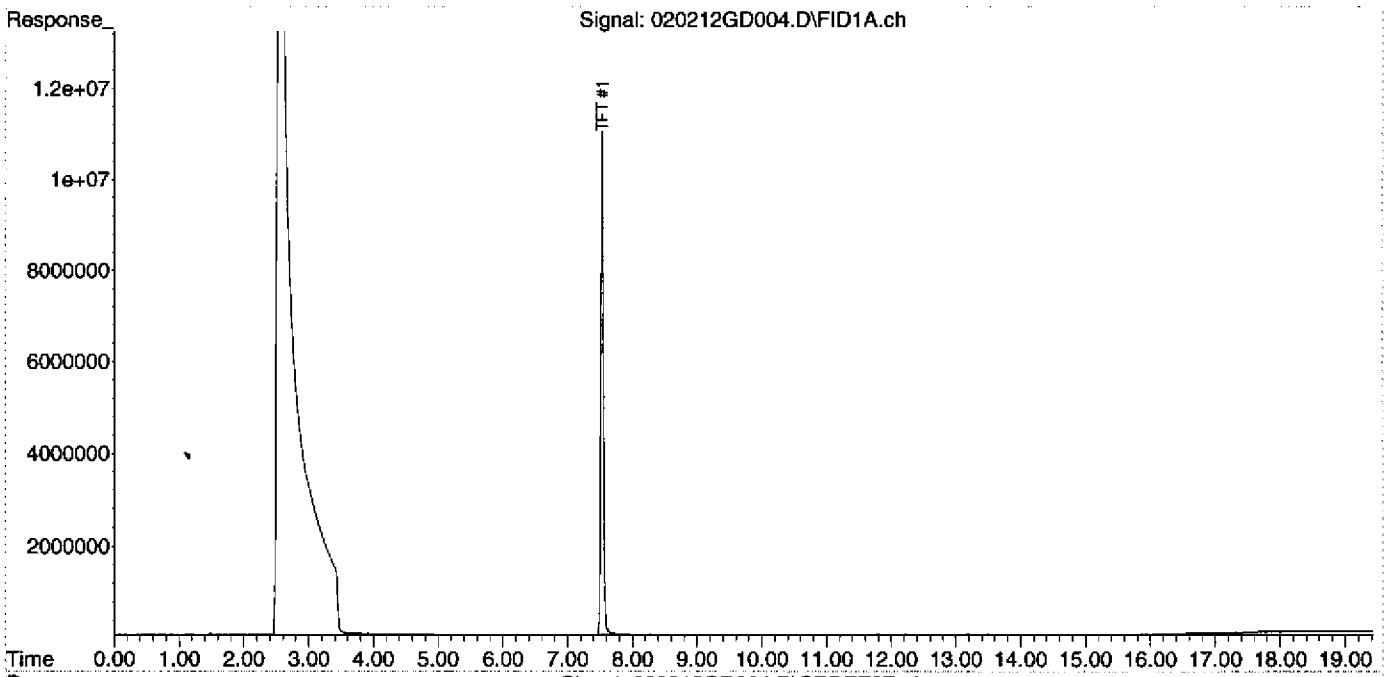
(f)=RT Delta > 1/2 Window (m)=manual int.

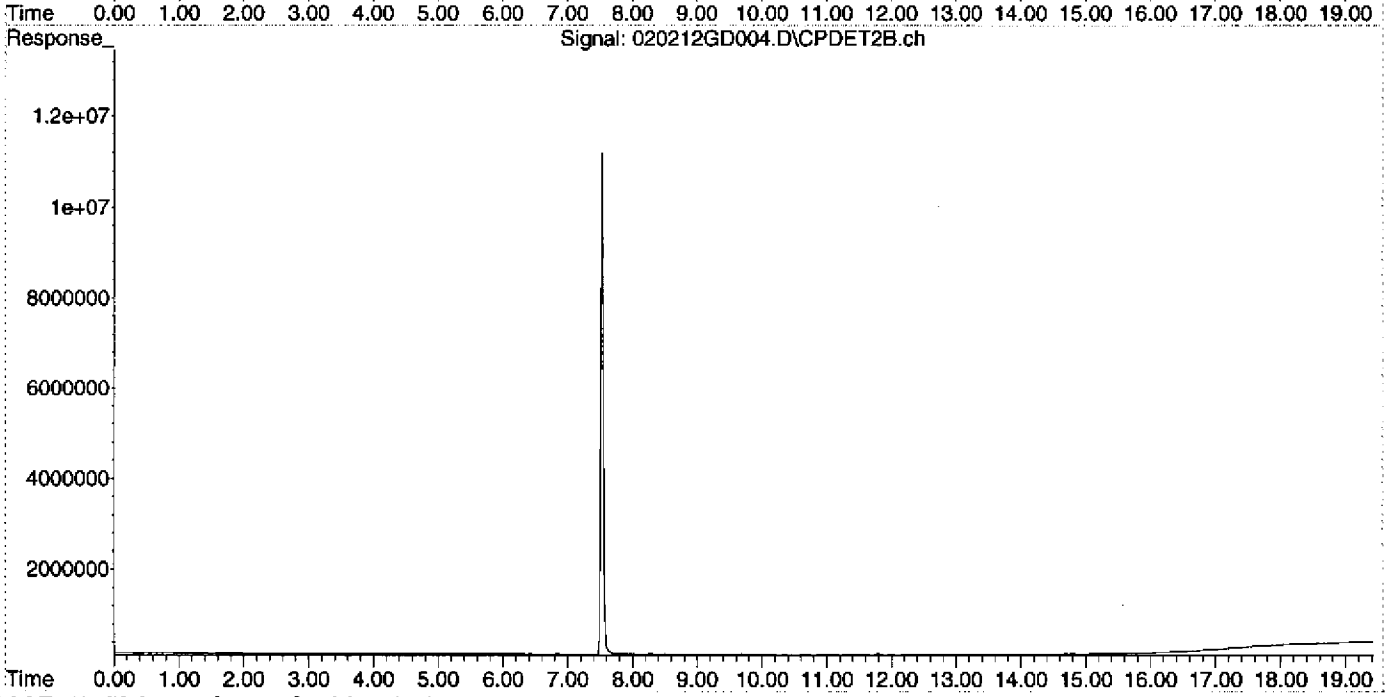
Quantitation Report (Not Reviewed)

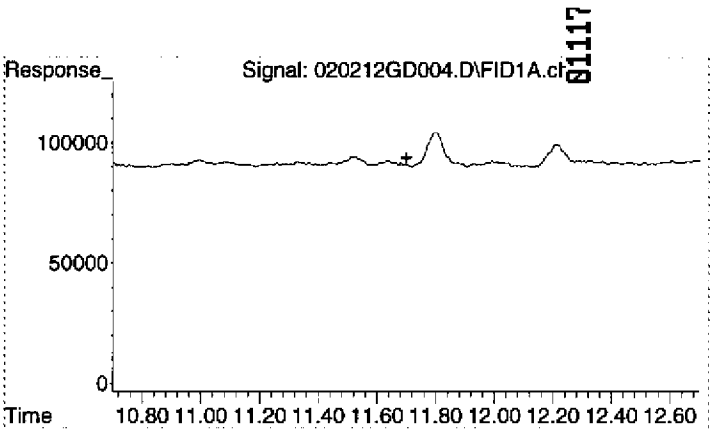
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD004.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 12:15 pm
Operator : YNB
Sample : B2B0011-BLK1
Misc : BLANK, WATER
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:31:13 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 : DB-624 75m Signal #2 Phase: DB-624 75m
Signal #1 Info : FID Signal #2 Info : PID







#1 Gasoline (TPH) #1

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

D:\MSDCHEM\2012\data\020212\020212GD005.D

Operator YNB
Sample Name B2B0011-BS1
Instrument Name GC-FID-PID

#	Name	Units	SPIKE	Amount	QC	LIMIT	RECOVE	STATUS
1)	Gasoline (TPH) #1	ug/L	500	515.09	75	114	103%	PASS
2)	TFT #1	ug/L	125	134.50	76	121	108%	PASS

Quantitation Report (Not Reviewed)

01119

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 12:44 pm
Operator : YNB
Sample : B2B0011-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 02 13:32:03 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	323329068	134.495 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 107.60%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1146826095	515.087 ug/L

103.02%

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

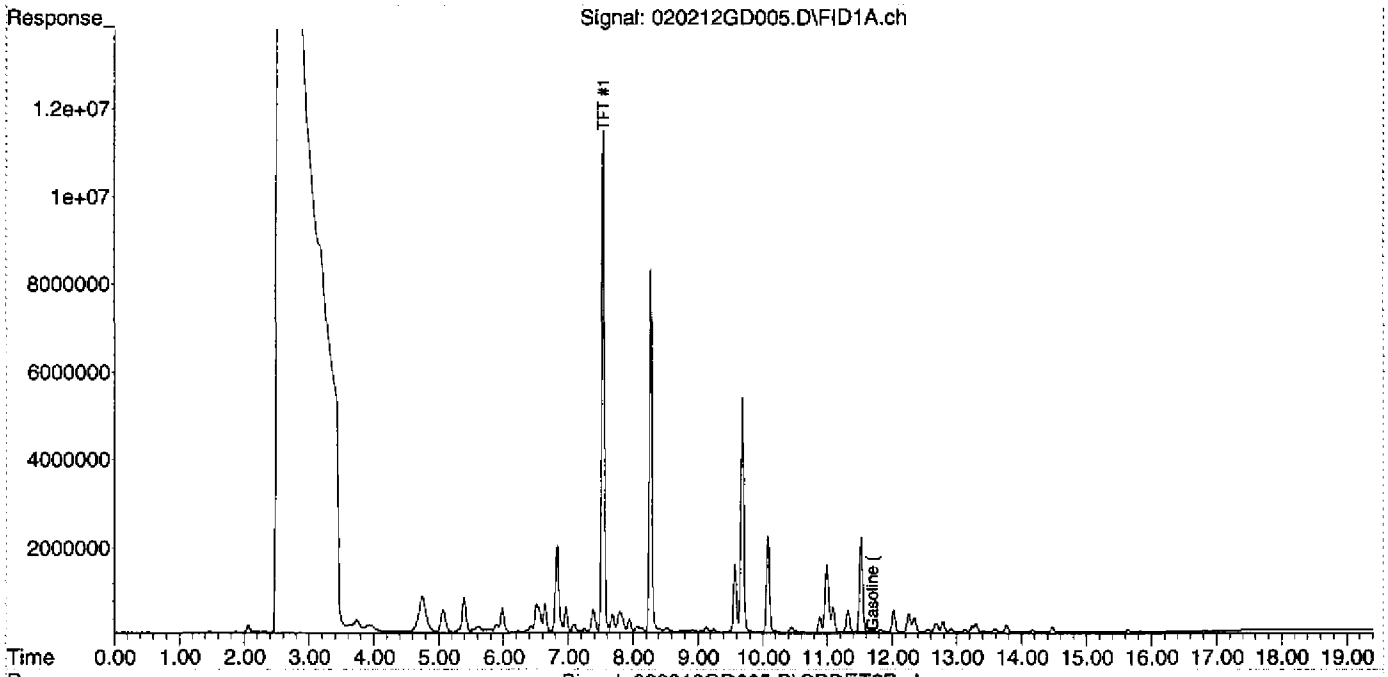
limit 75-114%
YNB
02.02.12

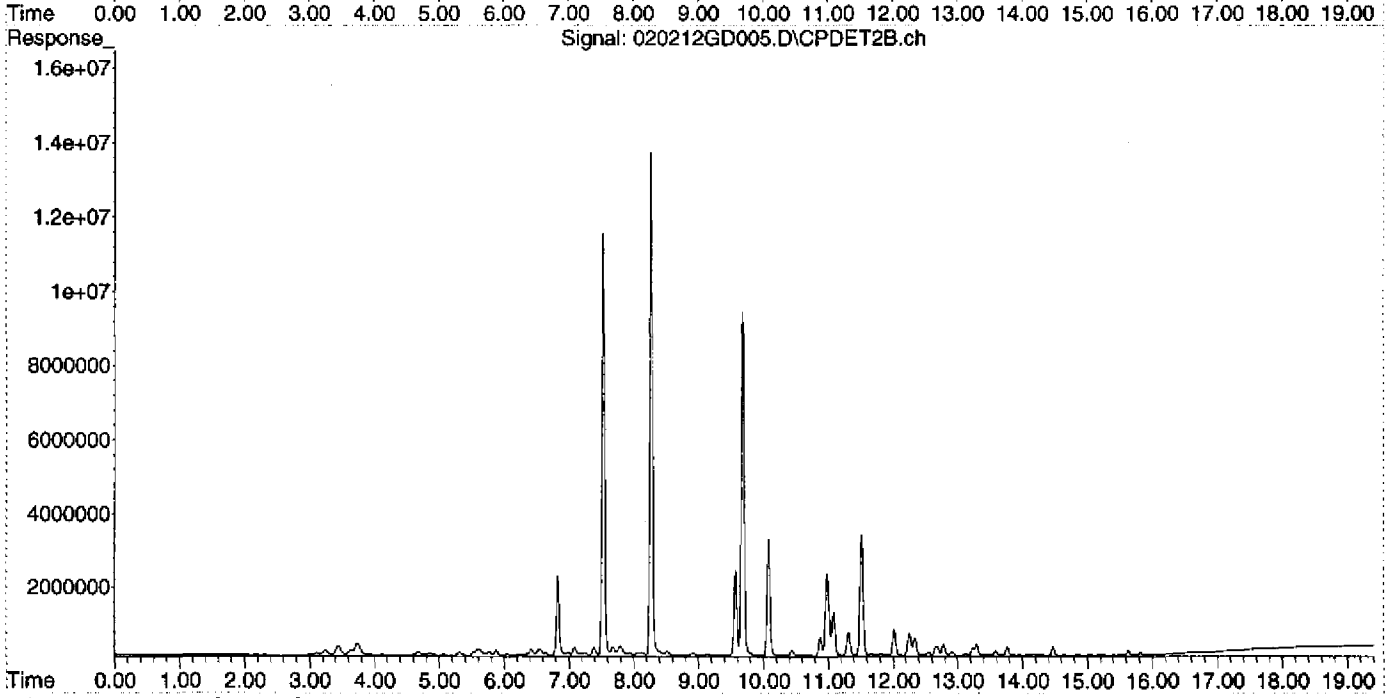
Quantitation Report (Not Reviewed)

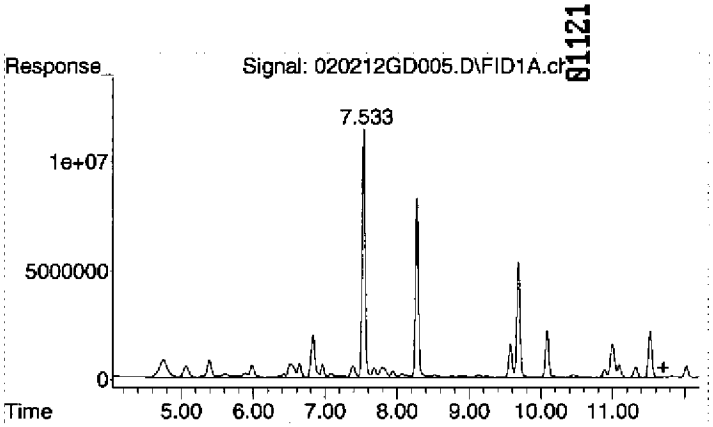
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD005.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 12:44 pm
Operator : YNB
Sample : B2B0011-BS1
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:32:03 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: 1146826095
Conc: 515.09 ug/L

Quantitation Report (Not Reviewed)

01122

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 1:13 pm
Operator : YNB
Sample : 1202005-06
Misc : TB12,,A, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:32:59 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	308792058	128.448 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.76%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	4035773	1.813 ug/L

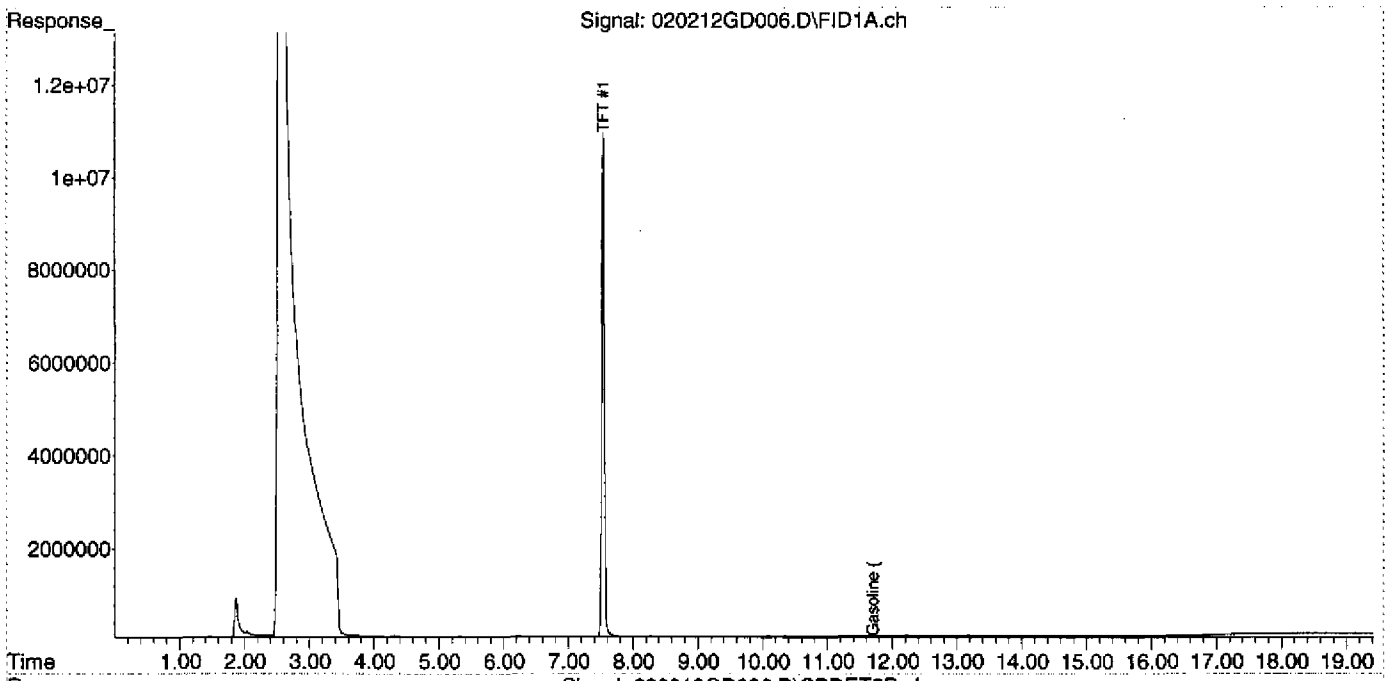
(f)=RT Delta > 1/2 Window (m)=manual int.

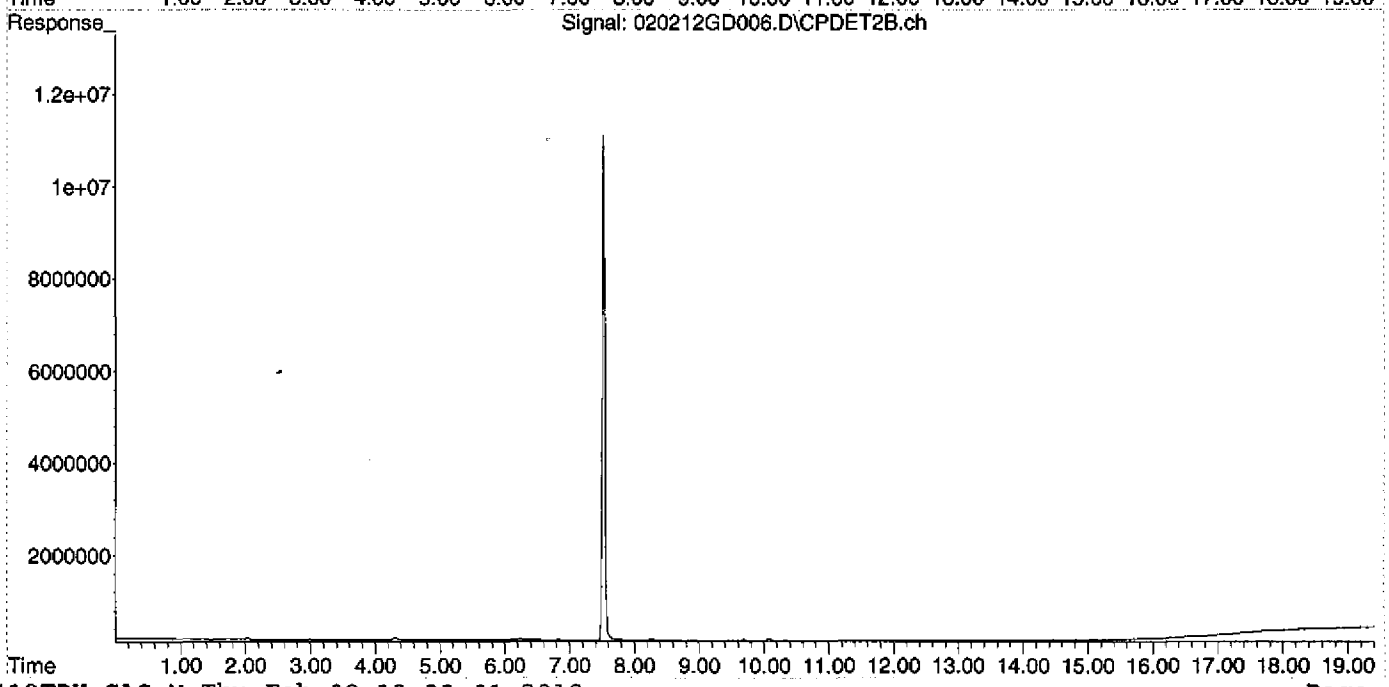
Quantitation Report (Not Reviewed)

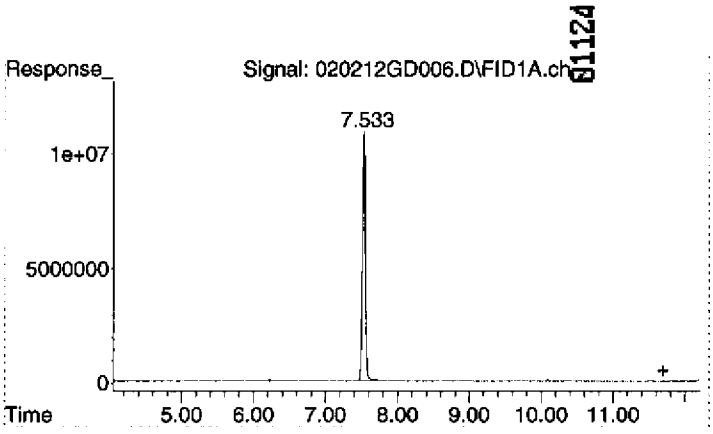
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD006.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 1:13 pm
Operator : YNB
Sample : 1202005-06
Misc : TB12,,A, WATER
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 02 13:32:59 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	4035773
Conc:	1.81 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 1:41 pm
Operator : YNB
Sample : 1202005-07
Misc : FB07,,D, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:22 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	306145991	127.347 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.88%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2202270	0.989 ug/L

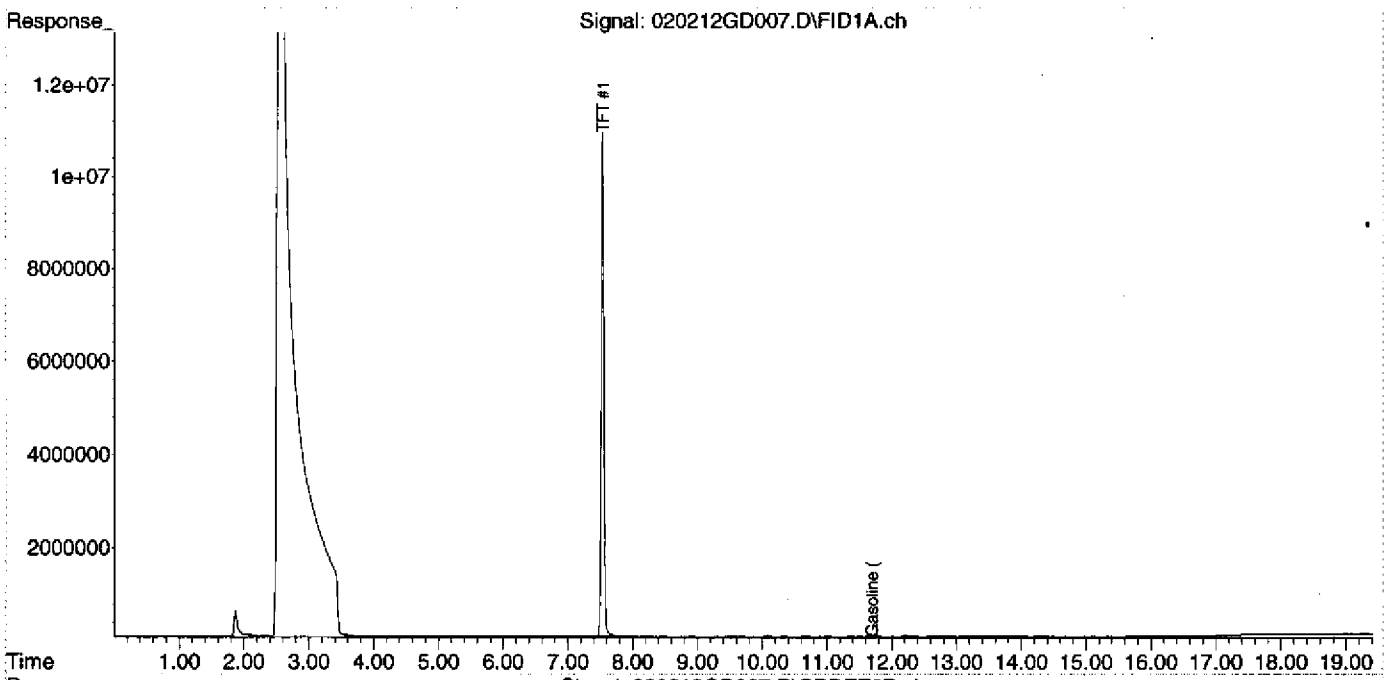
(f)=RT Delta > 1/2 Window (m)=manual int.

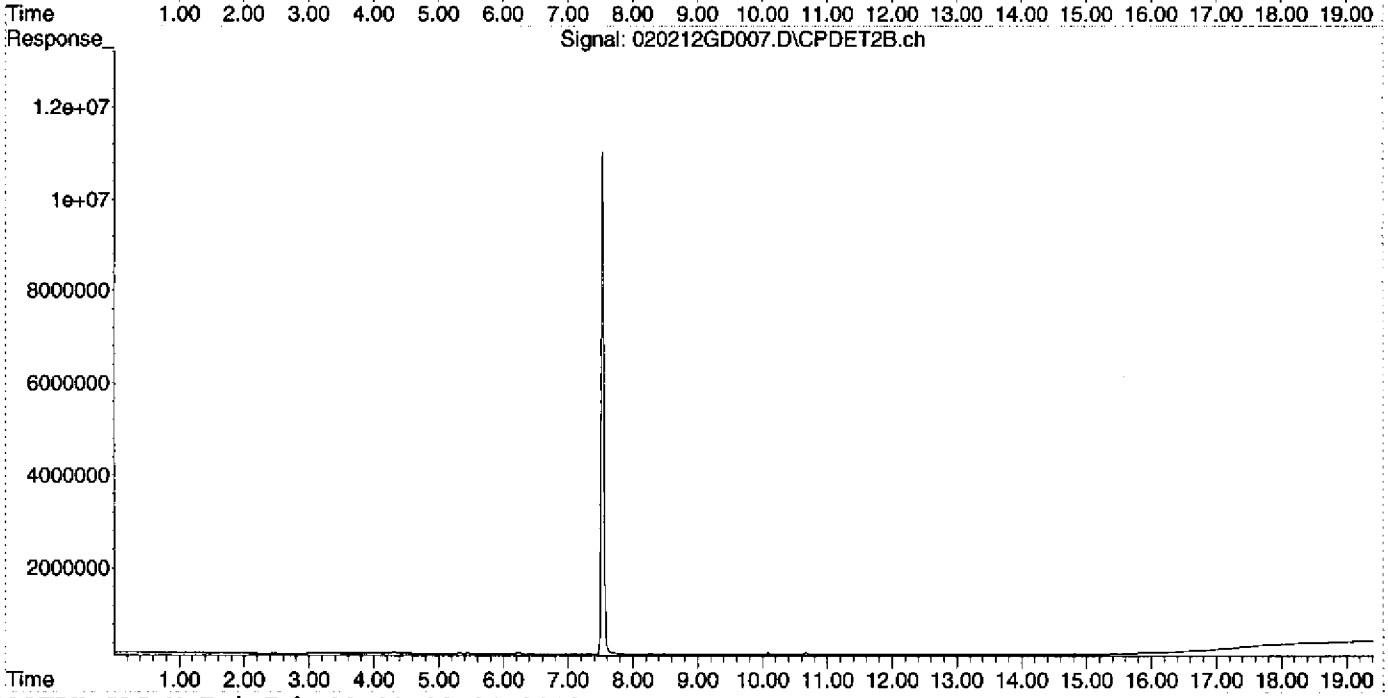
Quantitation Report (Not Reviewed)

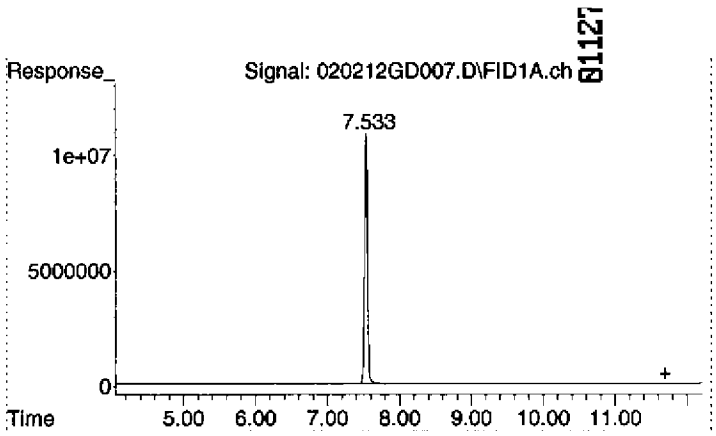
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD007.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 1:41 pm
Operator : YNB
Sample : 1202005-07
Misc : FB07,,D, WATER
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:22 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:	2202270
Conc:	0.99 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 2:09 pm
Operator : YNB
Sample : 1202005-13
Misc : TB10,A, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:27 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	310033558	128.964 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.17%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	7080311	3.180 ug/L

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

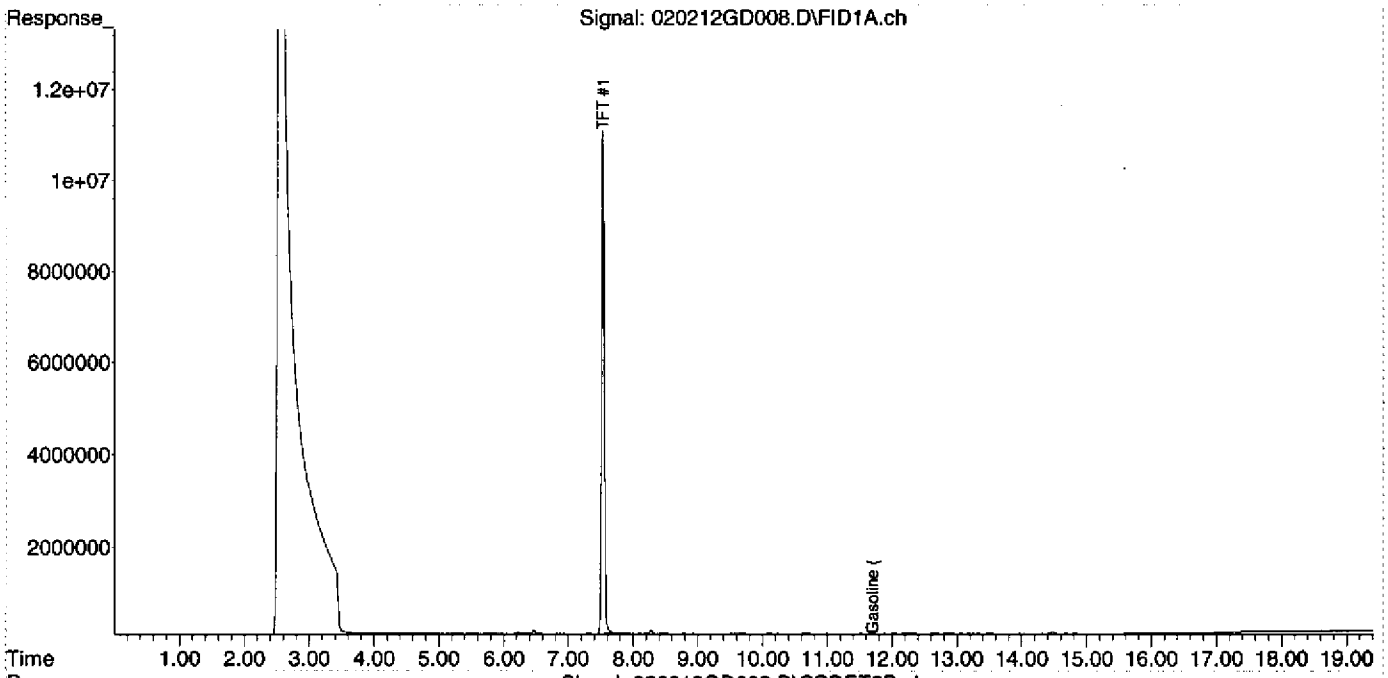
Quantitation Report (Not Reviewed)

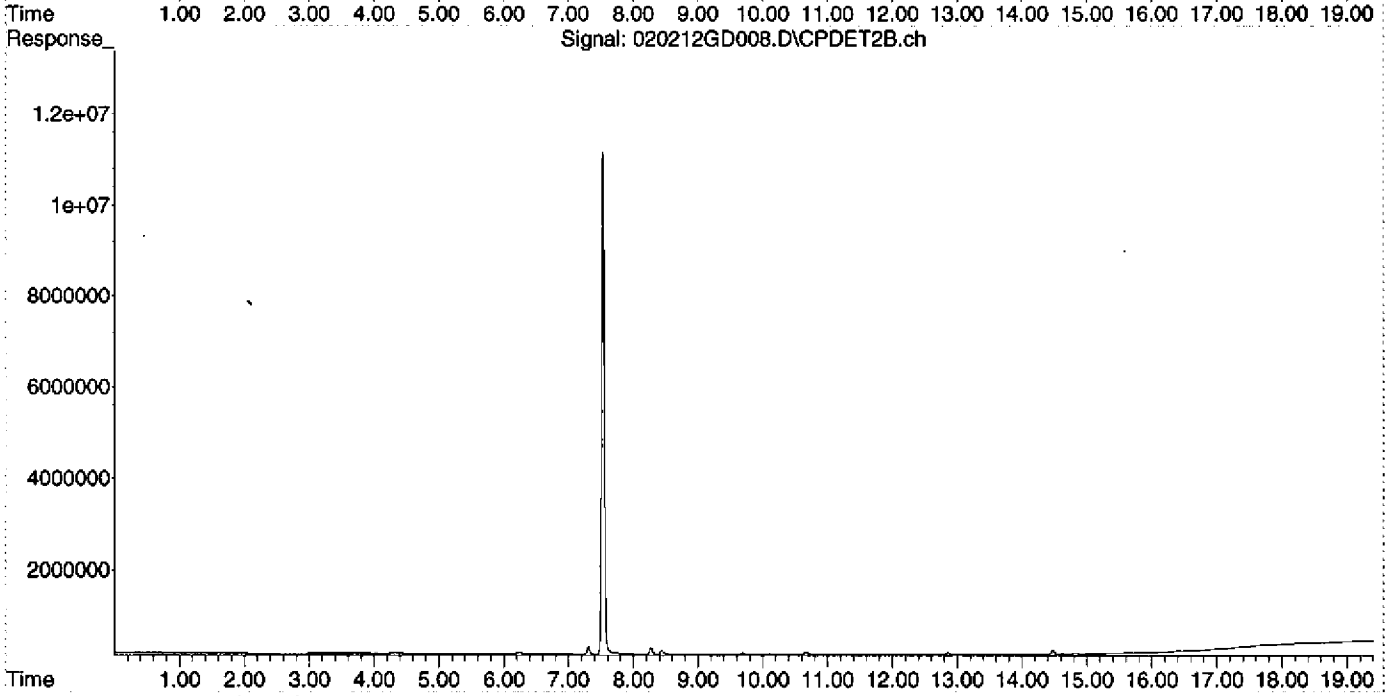
01129

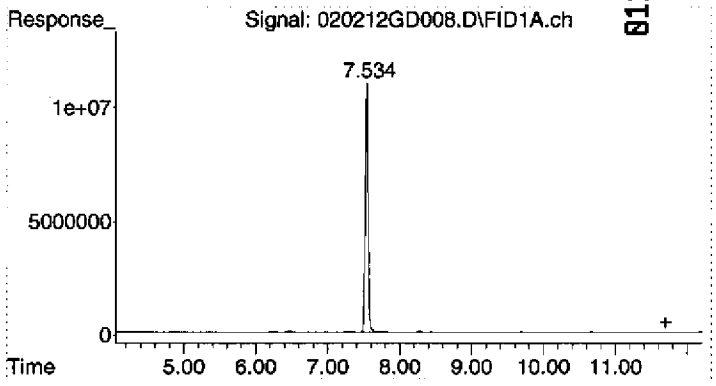
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD008.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 2:09 pm
Operator : YNB
Sample : 1202005-13
Misc : TB10,A, WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:27 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







01138

#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	7080311
Conc:	3.18 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 2:37 pm
Operator : YNB
Sample : 1202005-14
Misc : TB11,A, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	319528665	132.914 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 106.33%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	7773055	3.491 ug/L

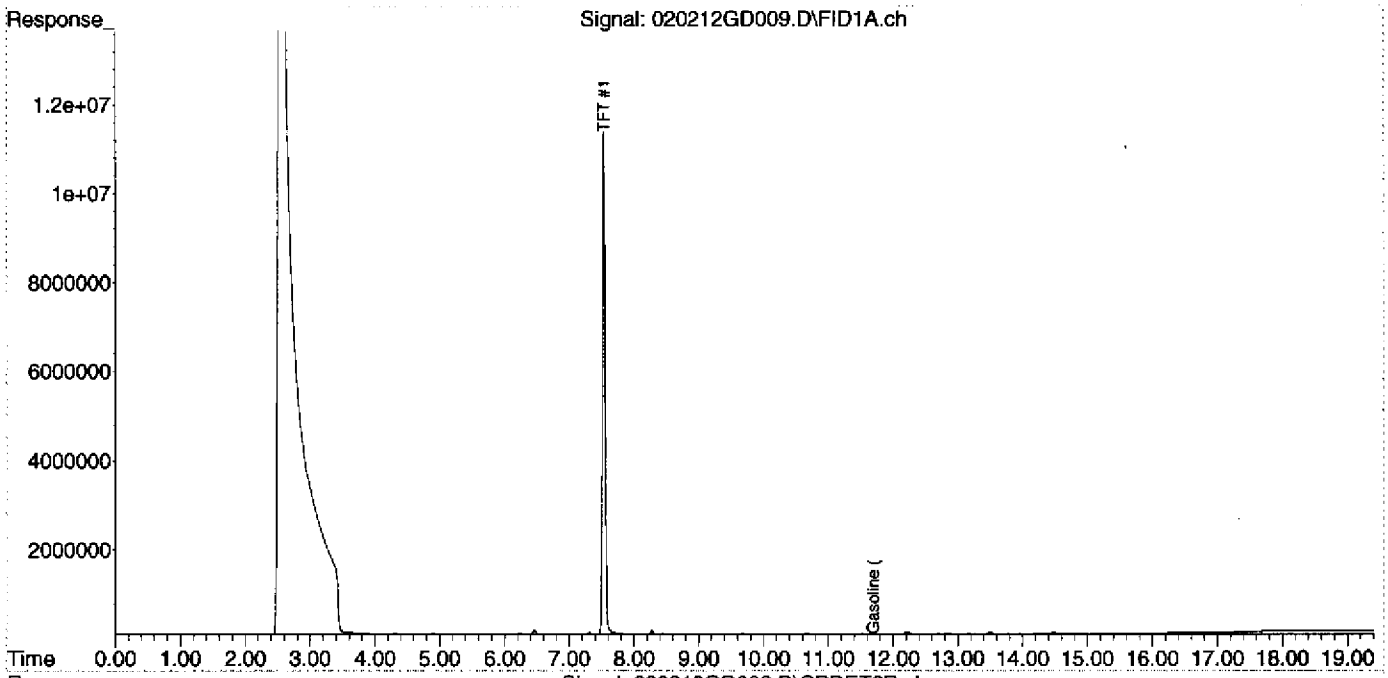
(f)=RT Delta > 1/2 Window (m)=manual int.

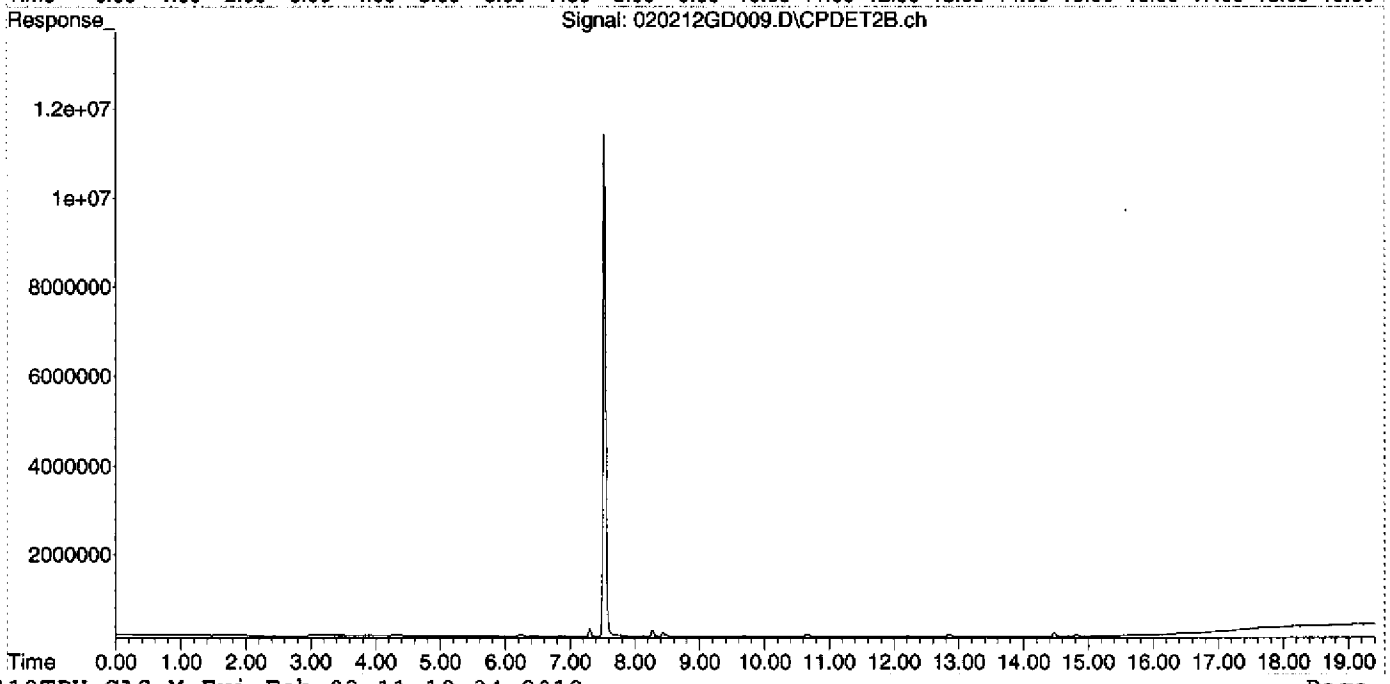
Quantitation Report (Not Reviewed)

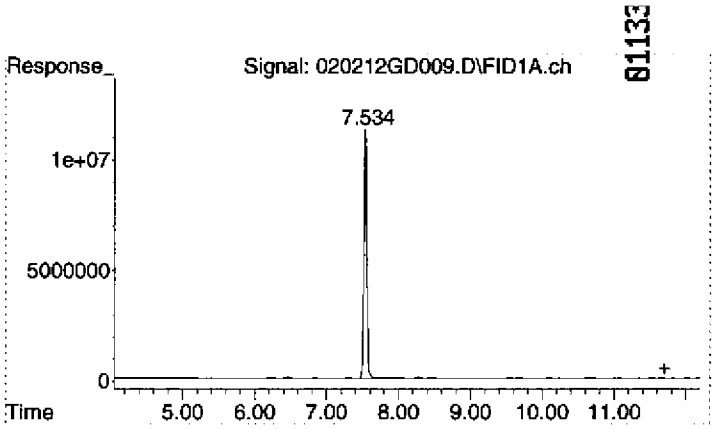
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD009.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 2:37 pm
Operator : YNB
Sample : 1202005-14
Misc : TB11,A, WATER
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:32 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	7773055
Conc:	3.49 ug/L

Quantitation Report (Not Reviewed)

01134

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 3:05 pm
Operator : YNB
Sample : 1202005-15
Misc : TB13,A, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:36 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	306692607	127.574 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.06%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2864412	1.287 ug/L

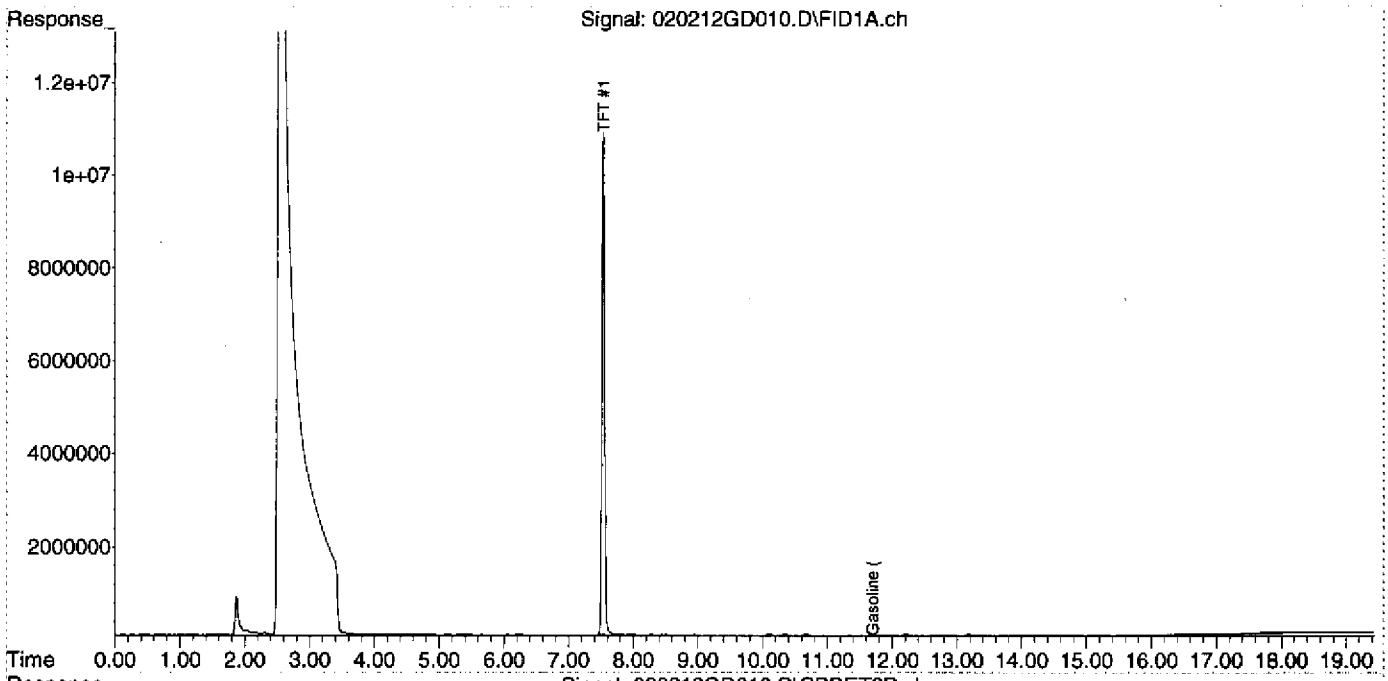
(f)=RT Delta > 1/2 Window (m)=manual int.

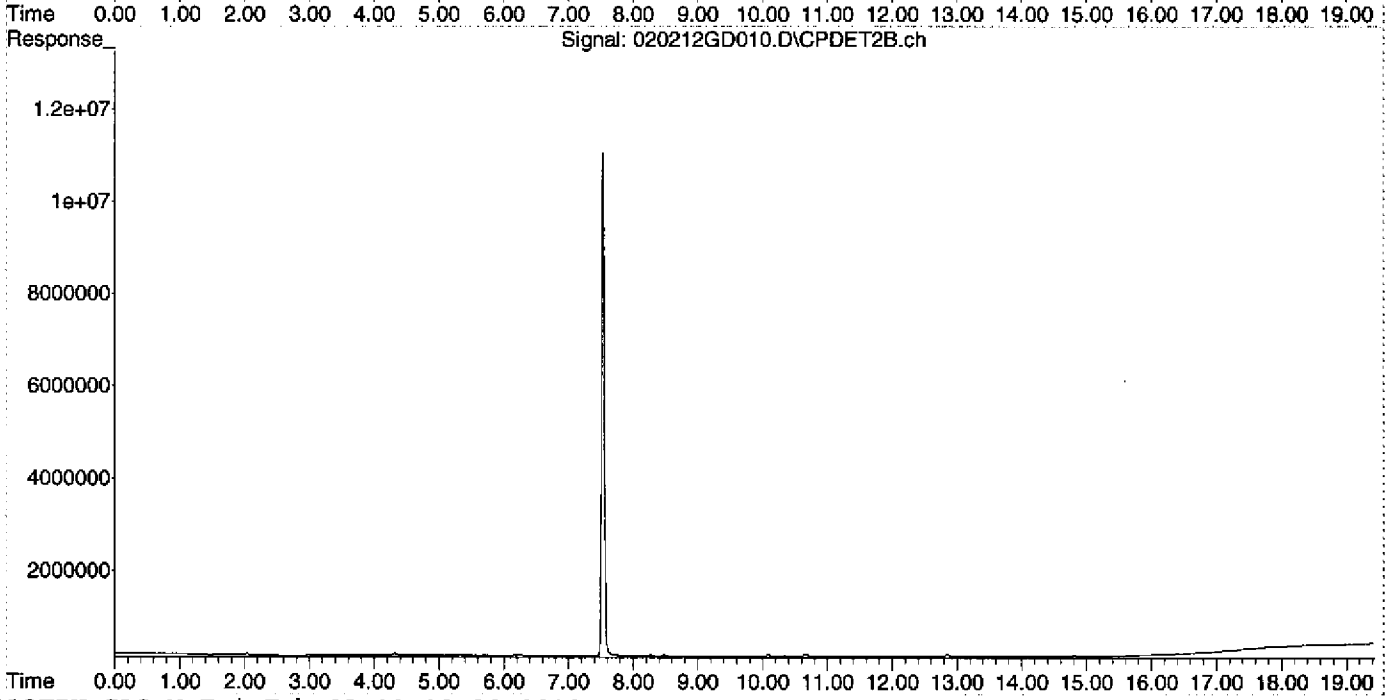
Quantitation Report (Not Reviewed)

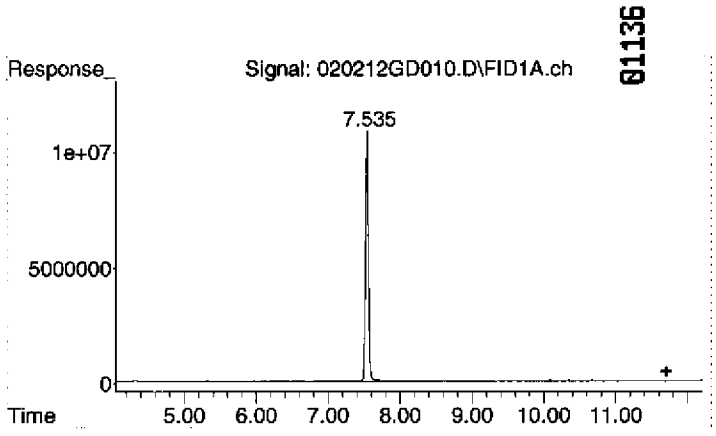
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD010.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 3:05 pm
Operator : YNB
Sample : 1202005-15
Misc : TB13,A, WATER
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:36 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:	2864412
Conc:	1.29 ug/L

Quantitation Report (Not Reviewed)

01137

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 3:34 pm
Operator : YNB
Sample : 1202005-01
Misc : HW32,D, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:40 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	312646452	130.051 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 104.04%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1201094	0.539 ug/L

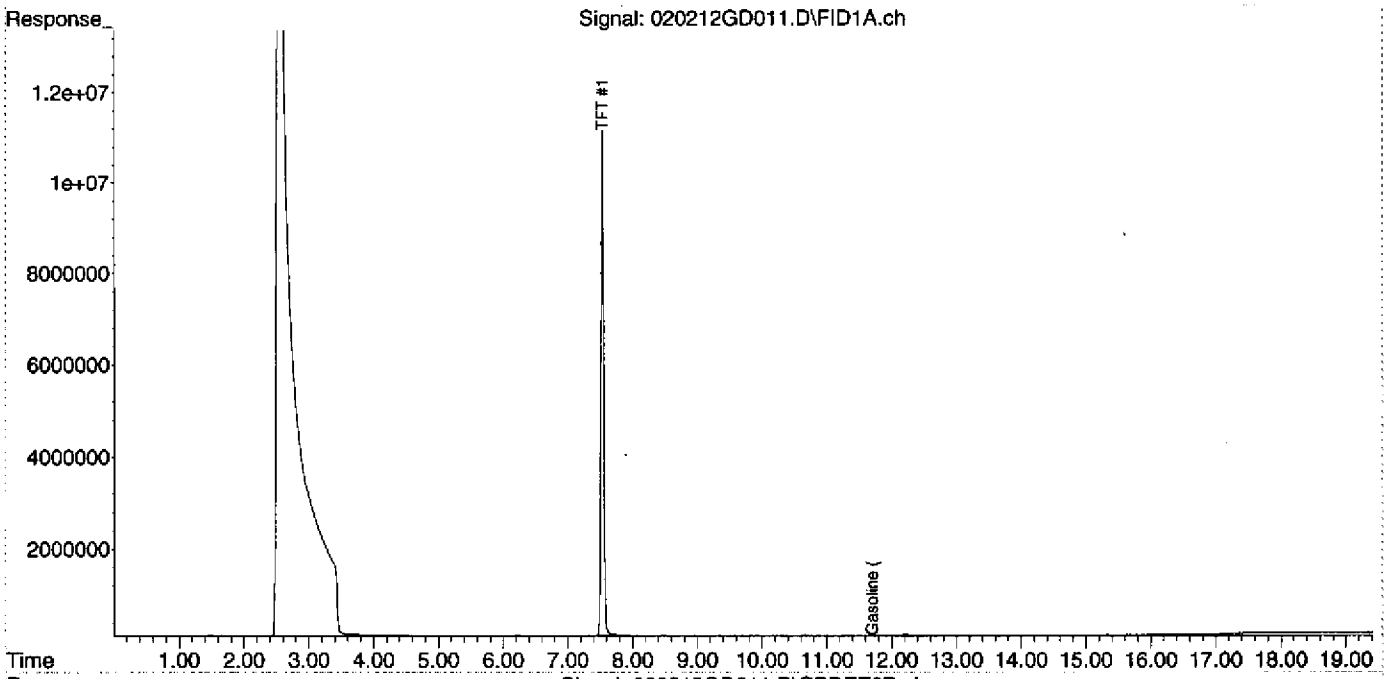
(f)=RT Delta > 1/2 Window (m)=manual int.

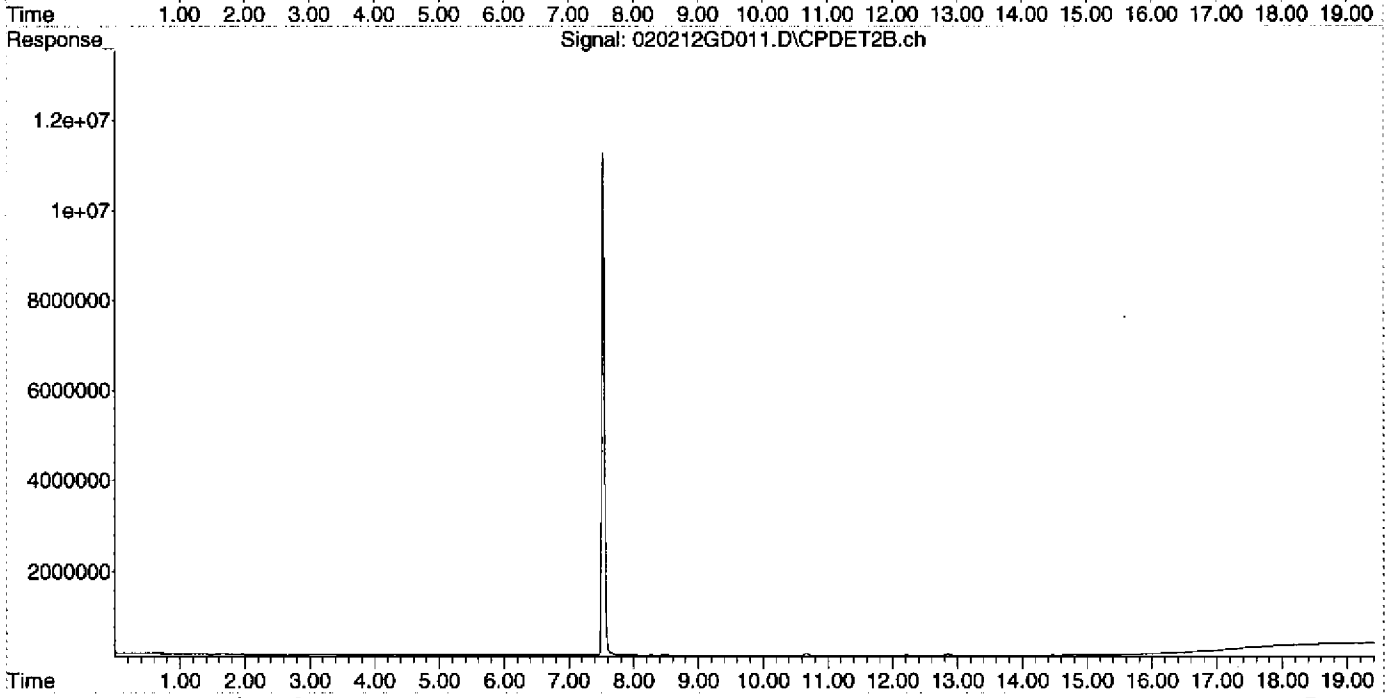
Quantitation Report (Not Reviewed)

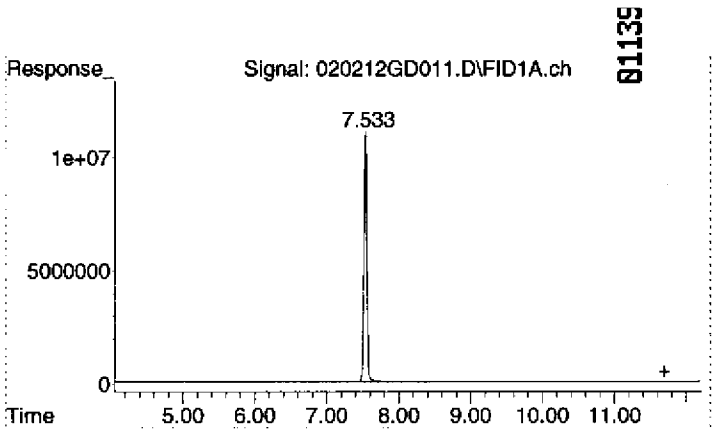
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD011.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 3:34 pm
Operator : YNB
Sample : 1202005-01
Misc : HW32,D, WATER
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:40 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:	1201094
Conc:	0.54 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 4:03 pm
Operator : YNB
Sample : 1202005-02
Misc : HW32-P,D, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:45 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	302244310	125.724 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.58%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	730824	0.328 ug/L

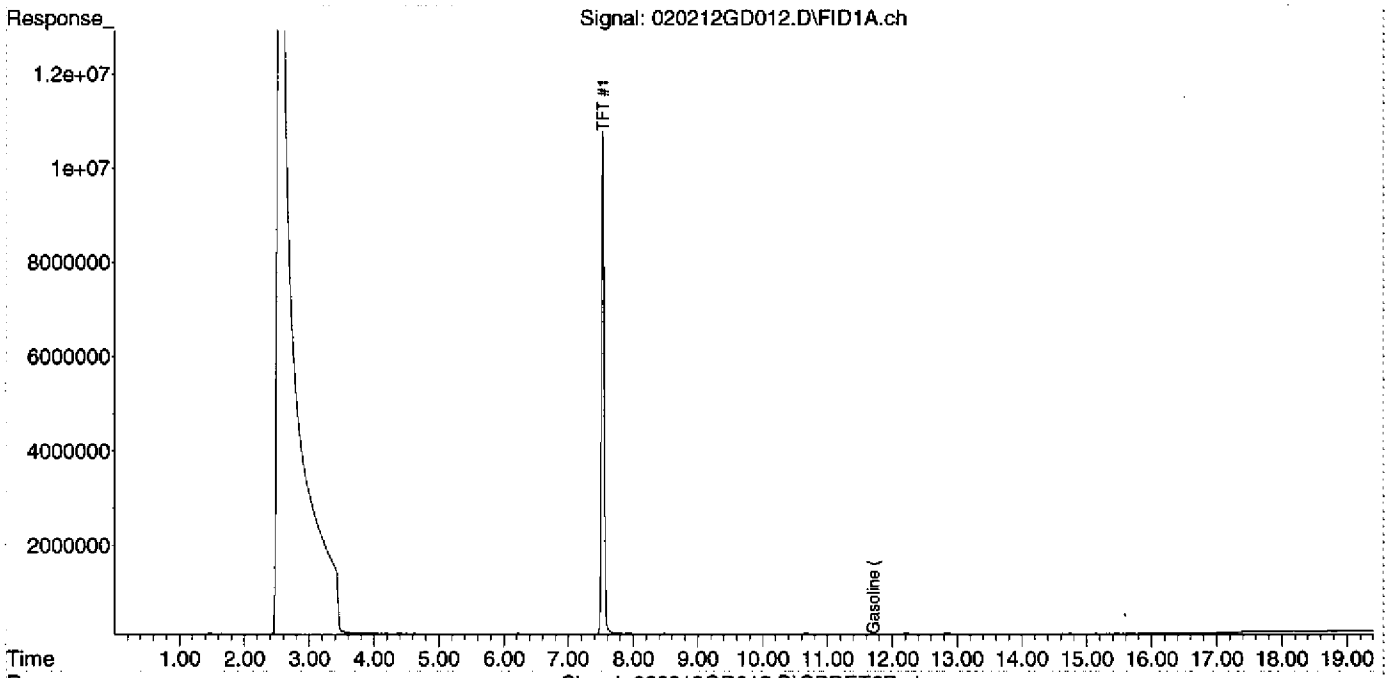
(f)=RT Delta > 1/2 Window (m)=manual int.

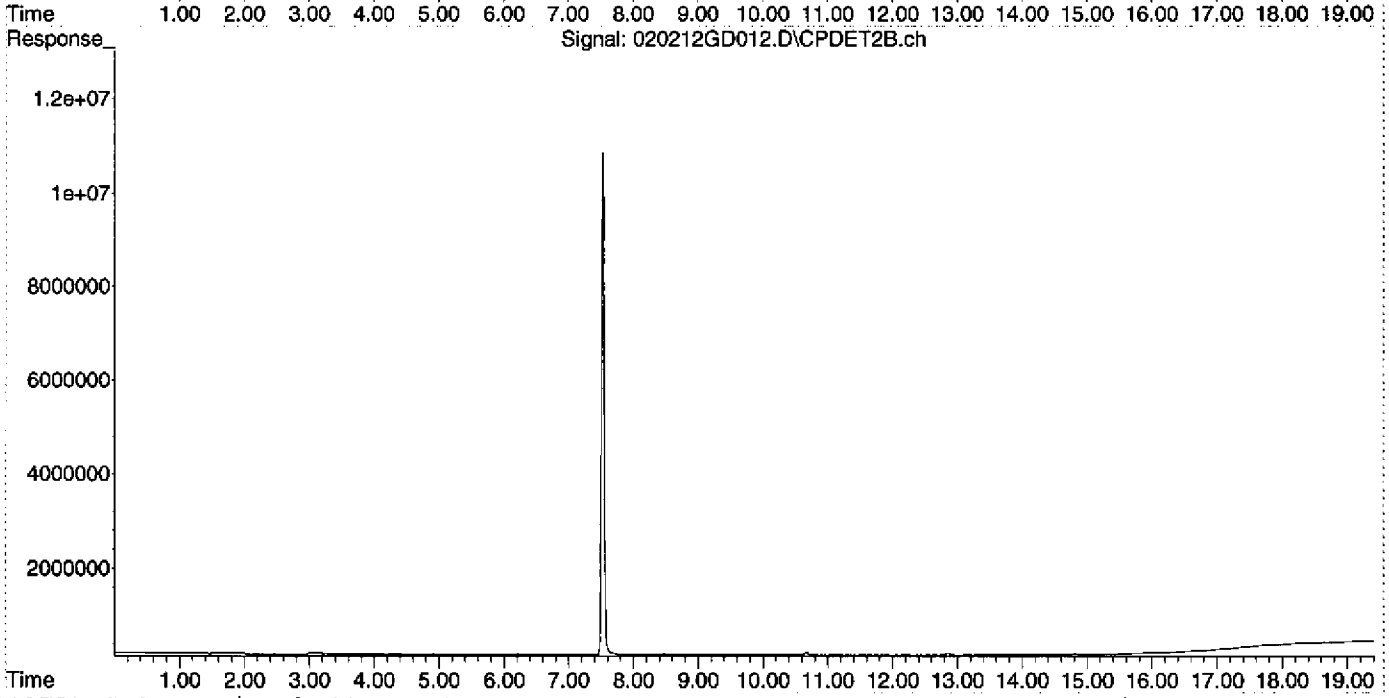
Quantitation Report (Not Reviewed)

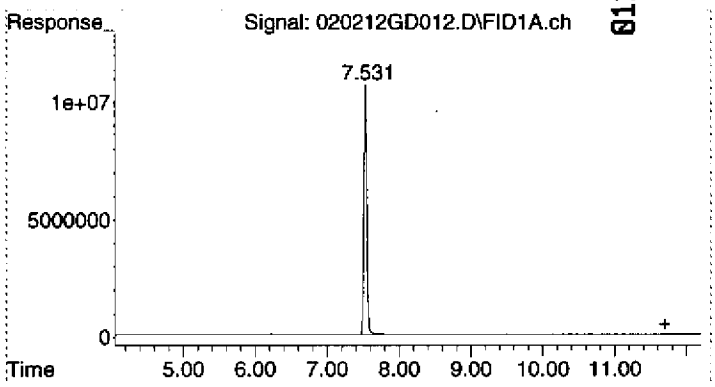
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD012.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 4:03 pm
Operator : YNB
Sample : 1202005-02
Misc : HW32-P,D, WATER
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:45 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







01142

#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	730824
Conc:	0.33 ug/L

Quantitation Report (Not Reviewed)

01143

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 4:31 pm
Operator : YNB
Sample : 1202005-03
Misc : HW33,D, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.532	306089095	127.323 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.86%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

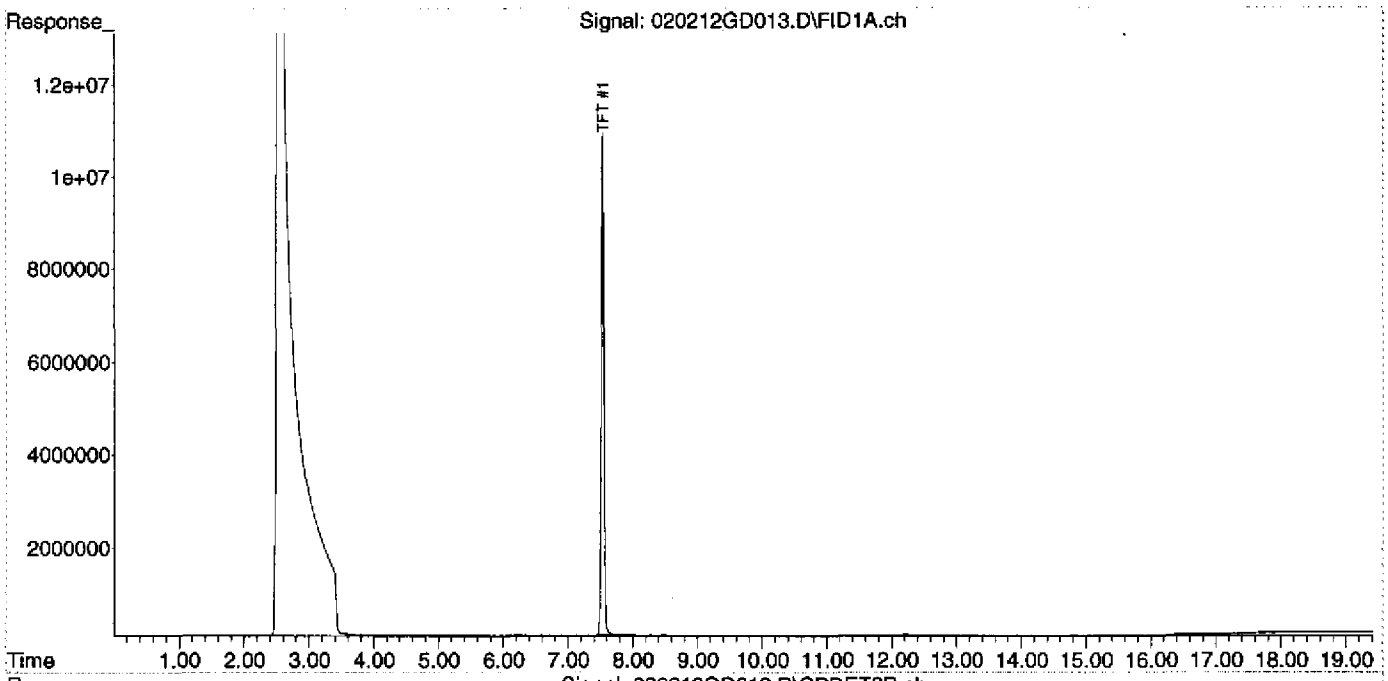
(f)=RT Delta > 1/2 Window (m)=manual int.

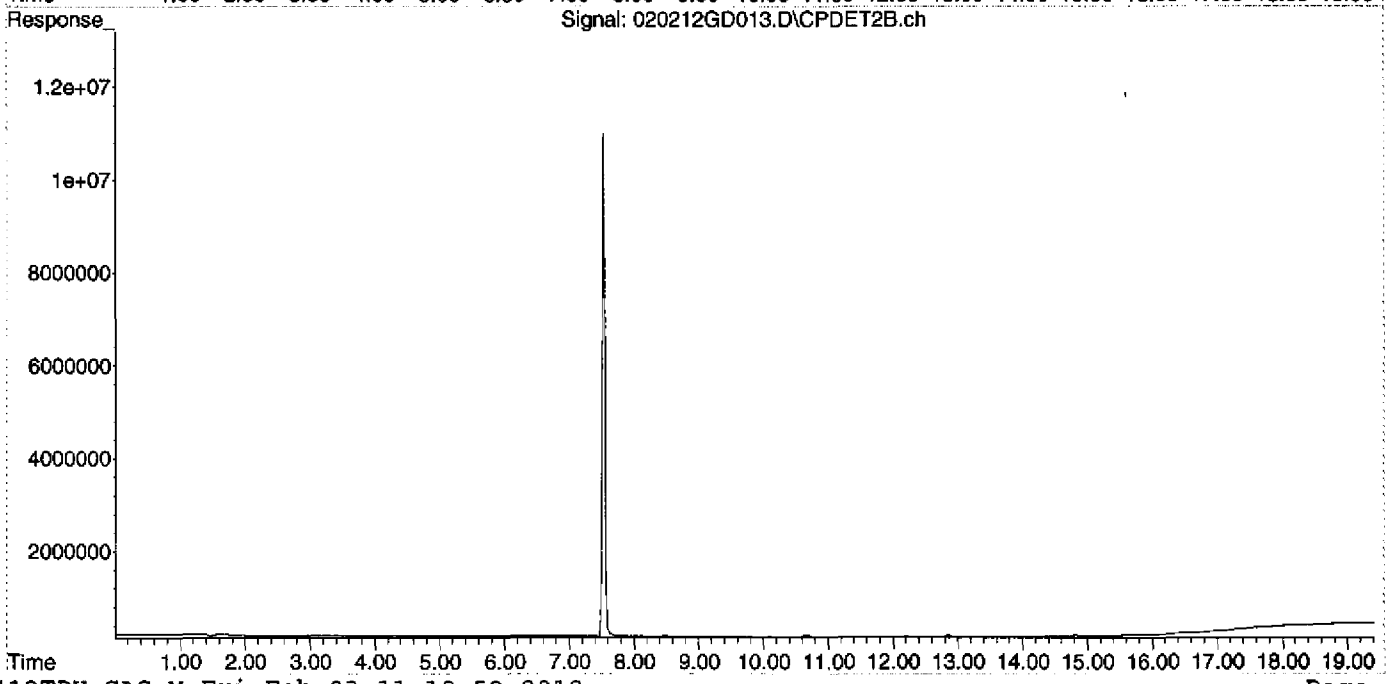
Quantitation Report (Not Reviewed)

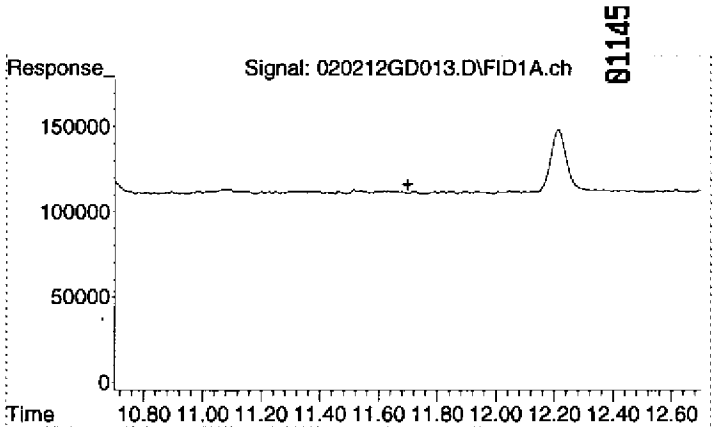
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD013.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 4:31 pm
Operator : YNB
Sample : 1202005-03
Misc : HW33,D, WATER
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:00 pm
Operator : YNB
Sample : 1202005-04
Misc : HW33a-P,C, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:55 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	309462103	128.726 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.98%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	2461497	1.106 ug/L

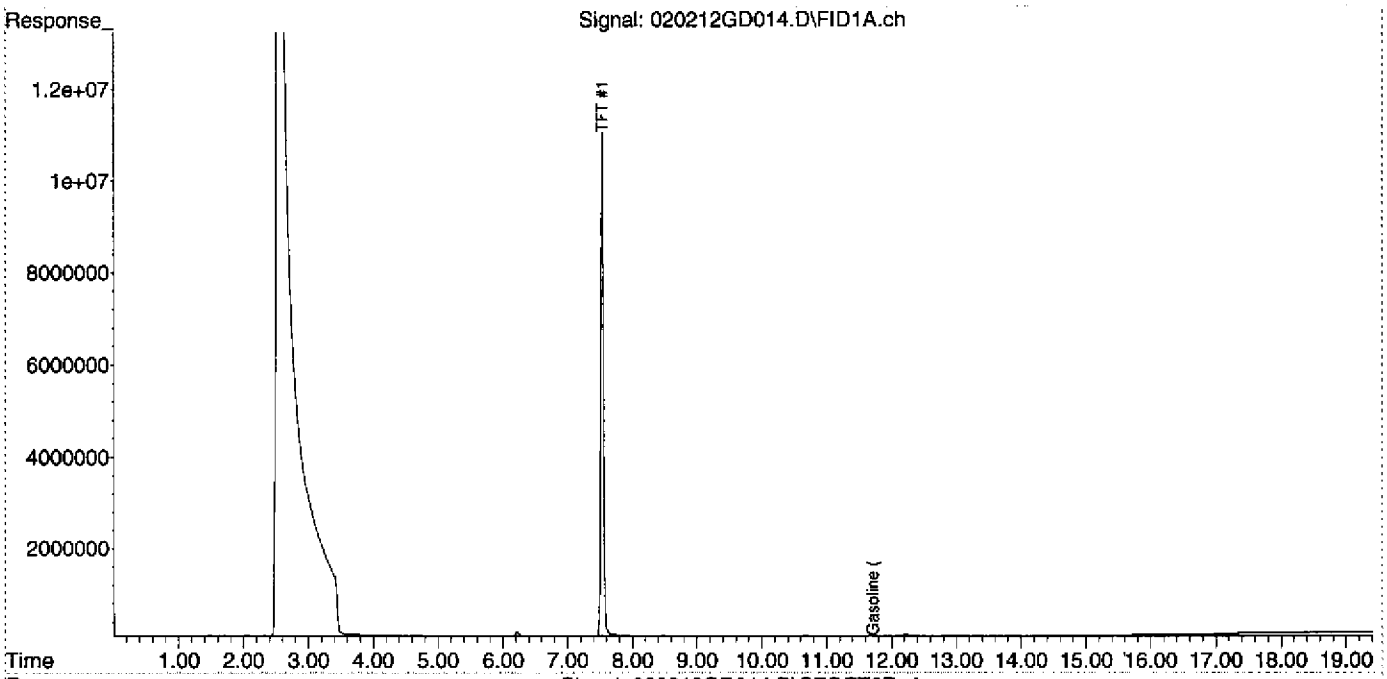
(f)=RT Delta > 1/2 Window (m)=manual int.

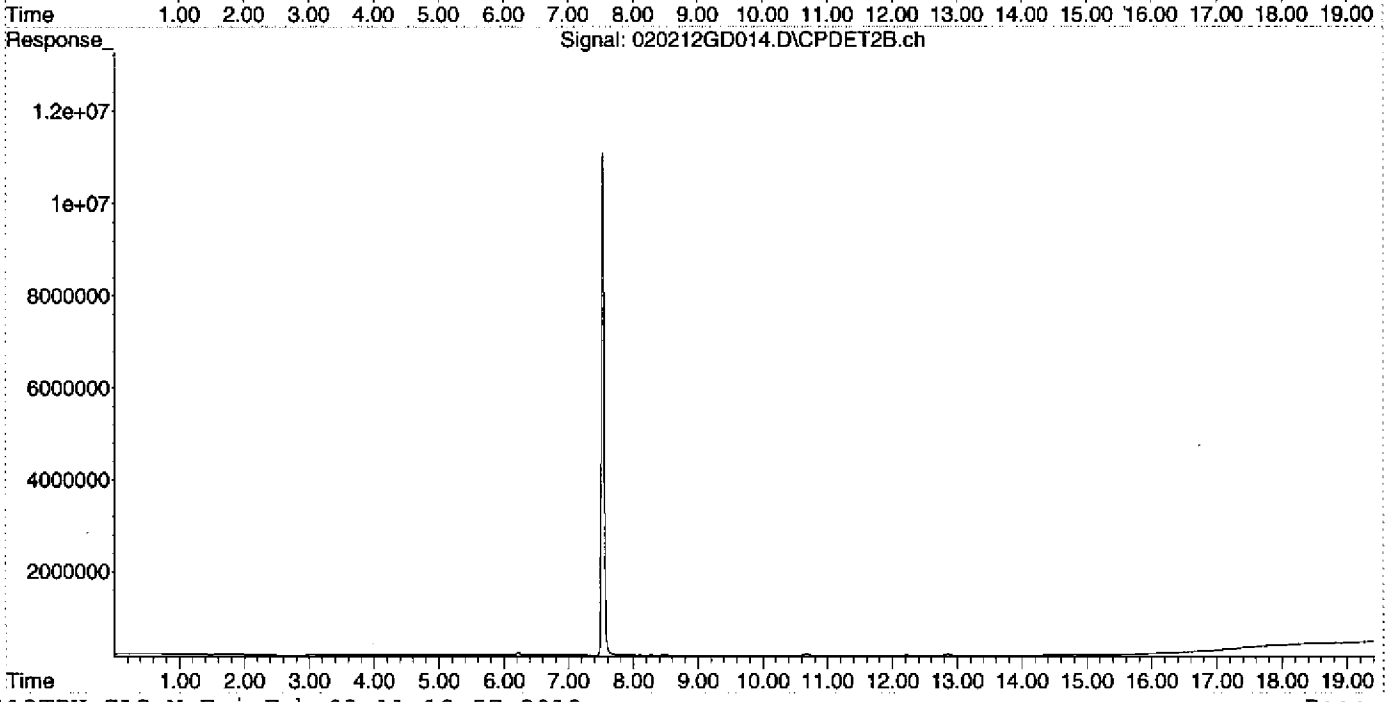
Quantitation Report (Not Reviewed)

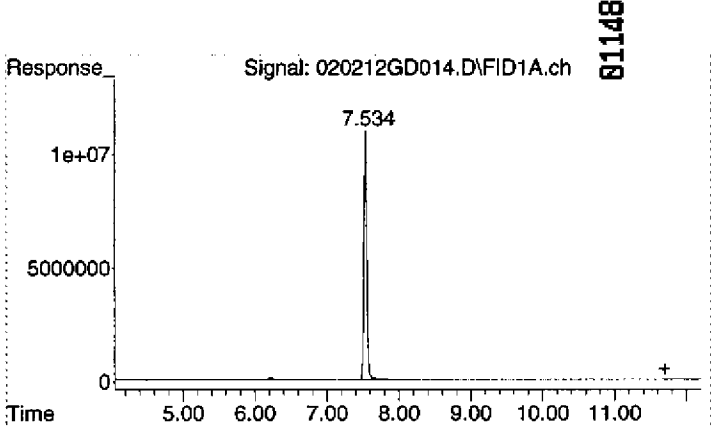
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD014.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:00 pm
Operator : YNB
Sample : 1202005-04
Misc : HW33a-P,C, WATER
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:19:55 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	2461497
Conc:	1.11 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:29 pm
Operator : YNB
Sample : 1202005-05
Misc : HW33b-P,C, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:00 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.535	310028228	128.962 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 103.17%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1361257	0.611 ug/L

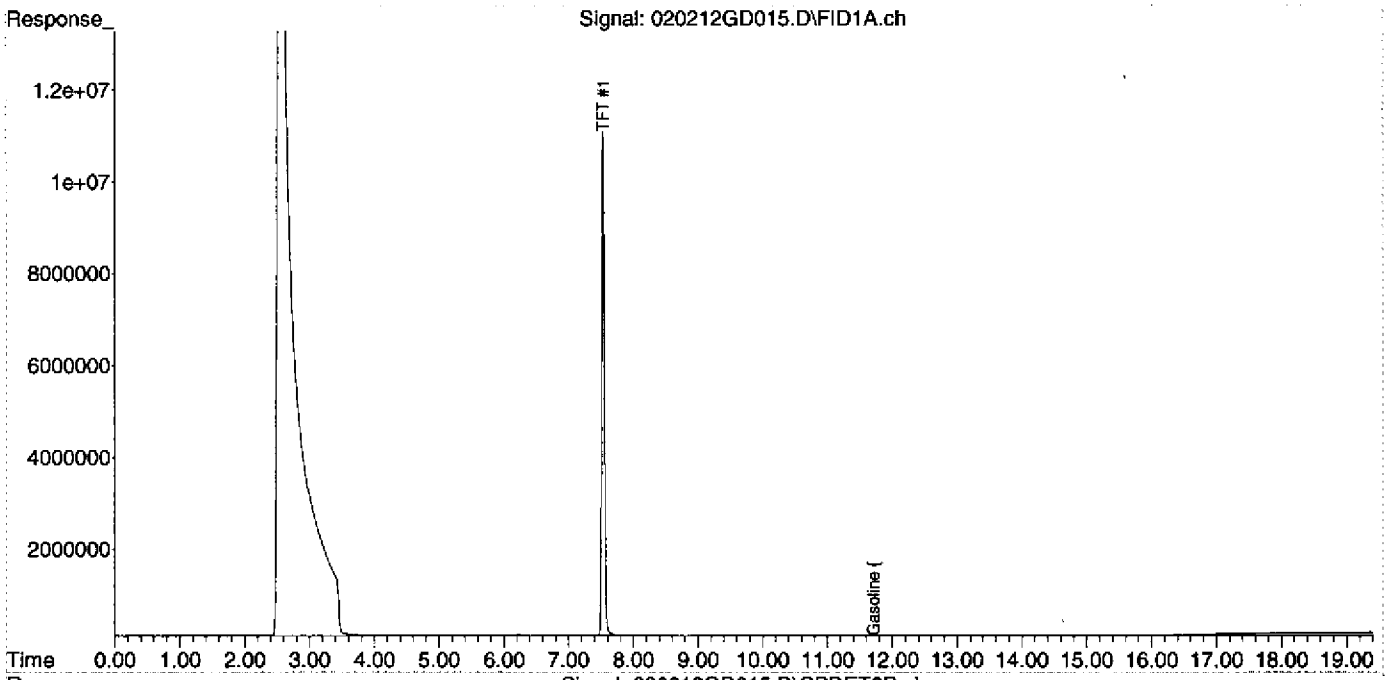
(f)=RT Delta > 1/2 Window (m)=manual int.

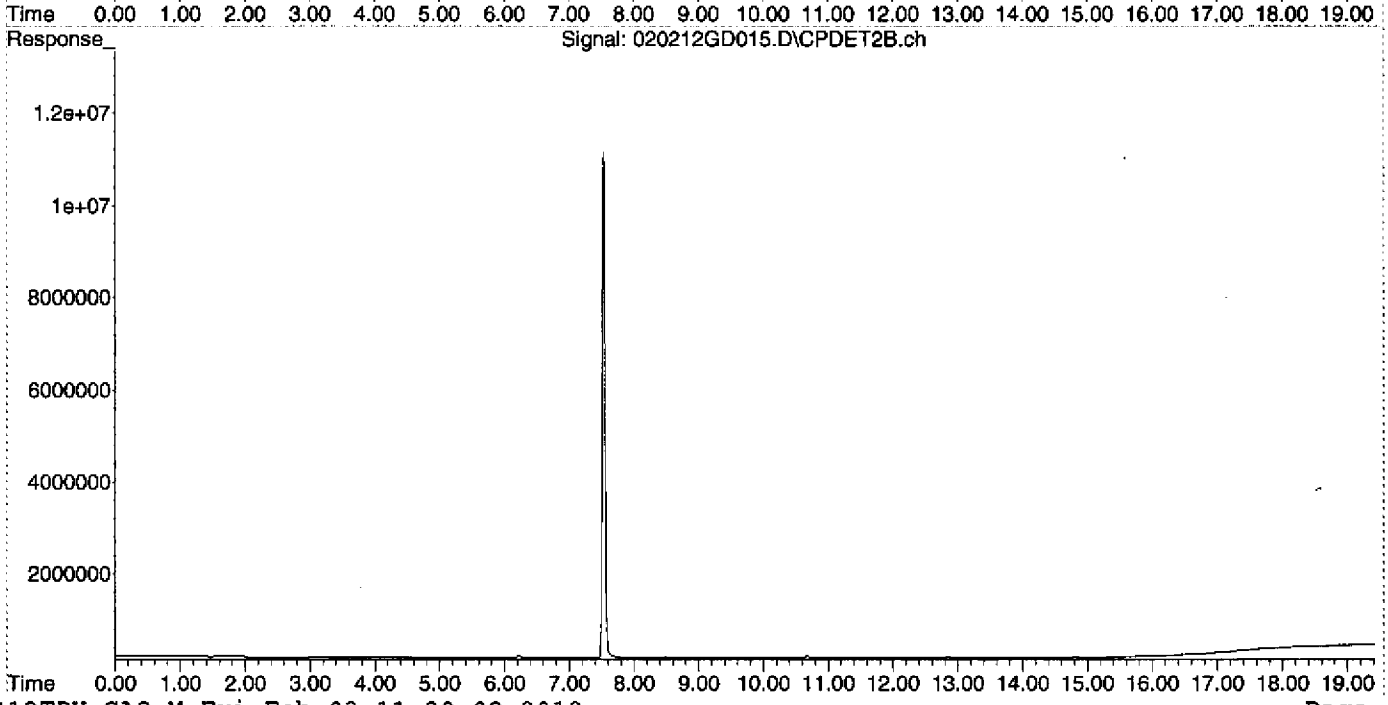
Quantitation Report (Not Reviewed)

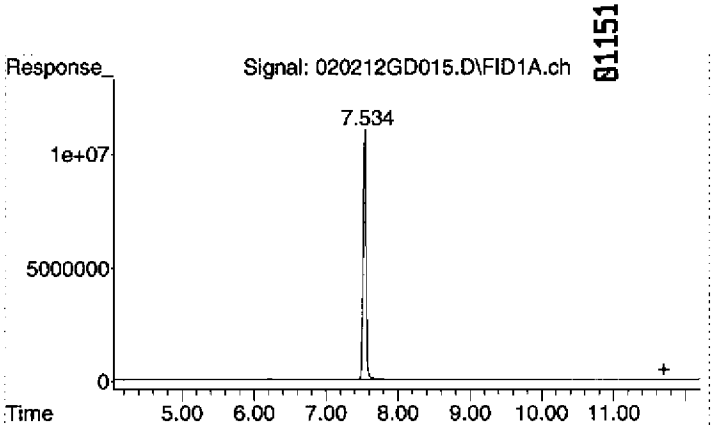
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD015.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:29 pm
Operator : YNB
Sample : 1202005-05
Misc : HW33b-P,C, WATER
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:00 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	1361257
Conc:	0.61 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:57 pm
Operator : YNB
Sample : 1202005-08
Misc : HW26-P,A, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.536	309281869	128.651 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.92%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	5095493	2.289 ug/L

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

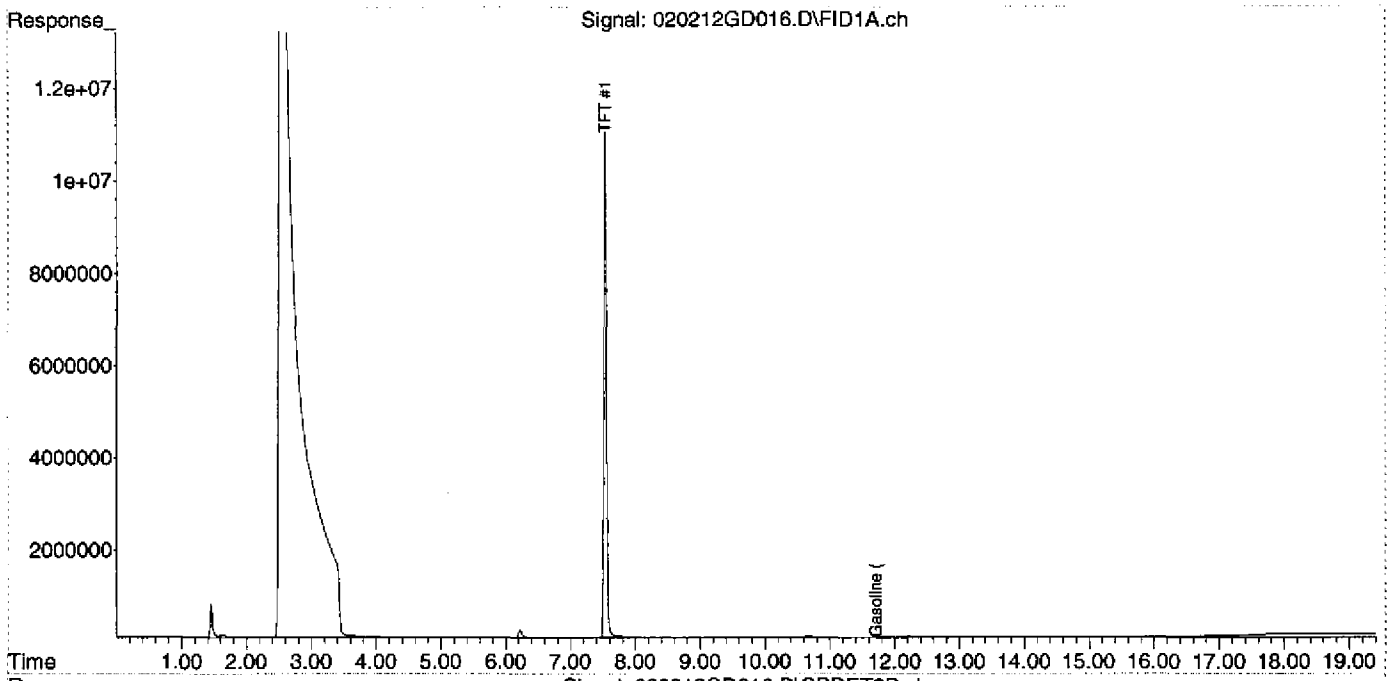
Quantitation Report (Not Reviewed)

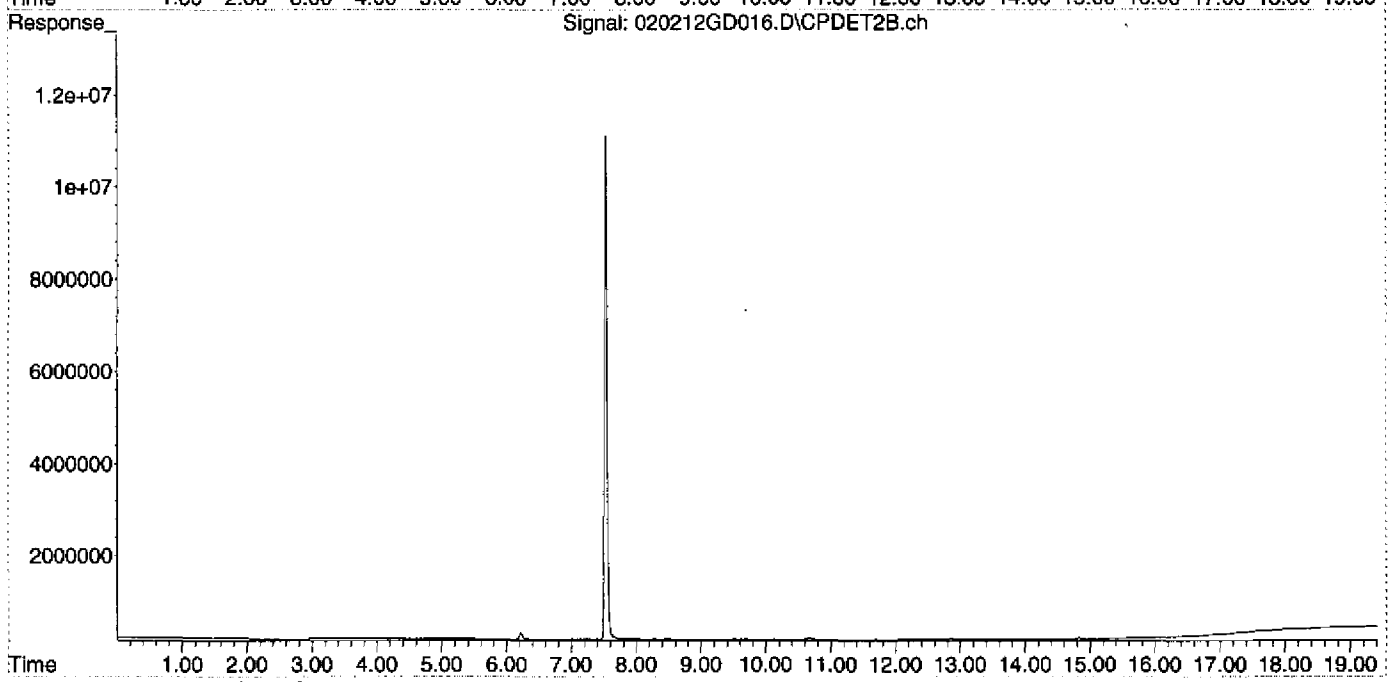
01153

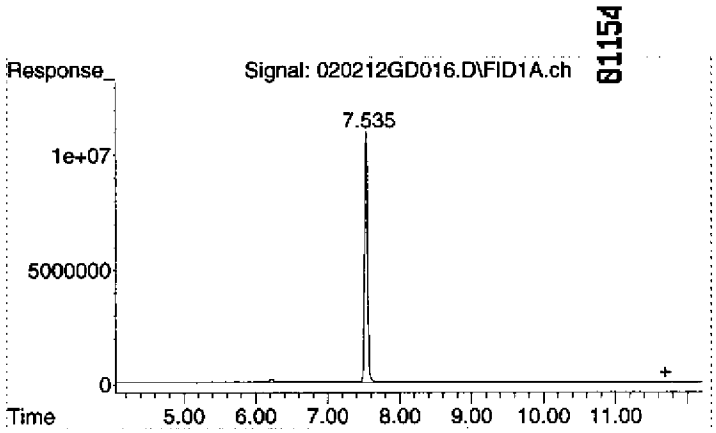
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD016.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 5:57 pm
Operator : YNB
Sample : 1202005-08
Misc : HW26-P,A, WATER
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:04 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.:	11.700 min
Delta R.T.:	0.000 min
Response:	5095493
Conc:	2.29 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 6:25 pm
Operator : YNB
Sample : 1202005-09
Misc : HW29,D, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:08 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.536	323257852	134.465 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 107.57%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	4219420	1.895 ug/L

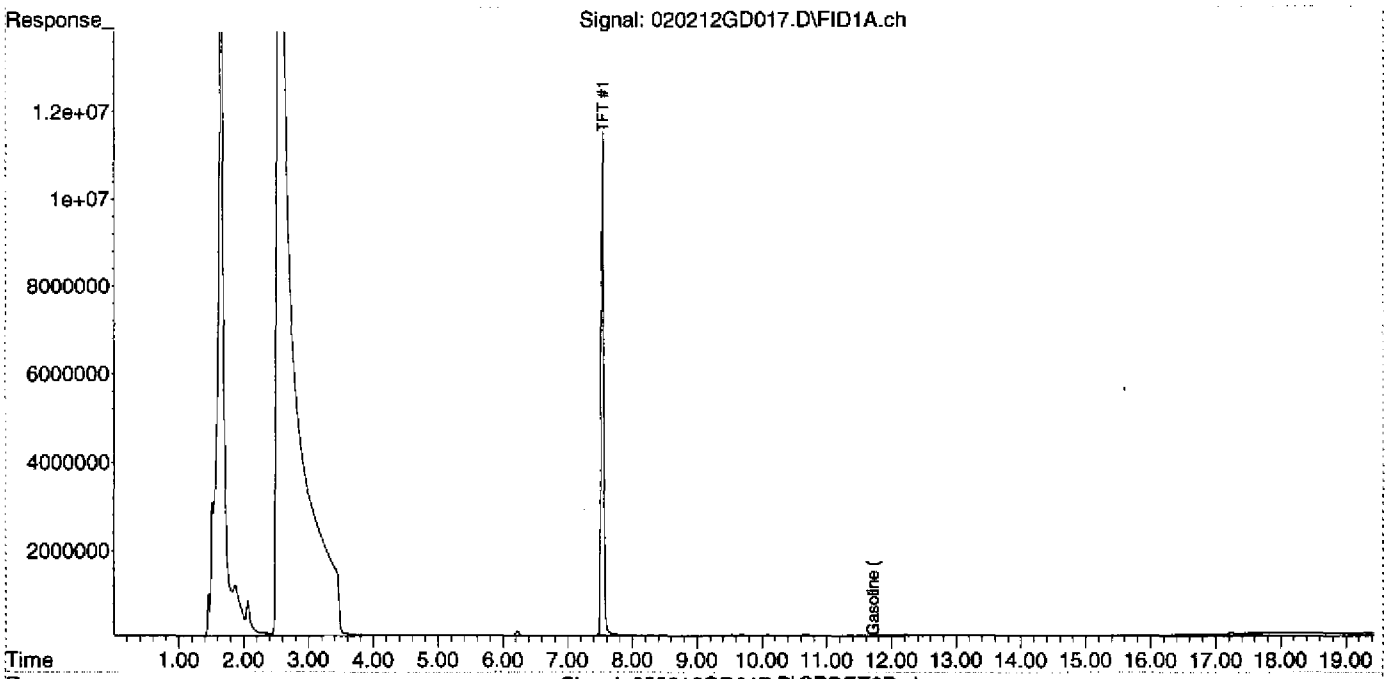
(f)=RT Delta > 1/2 Window (m)=manual int.

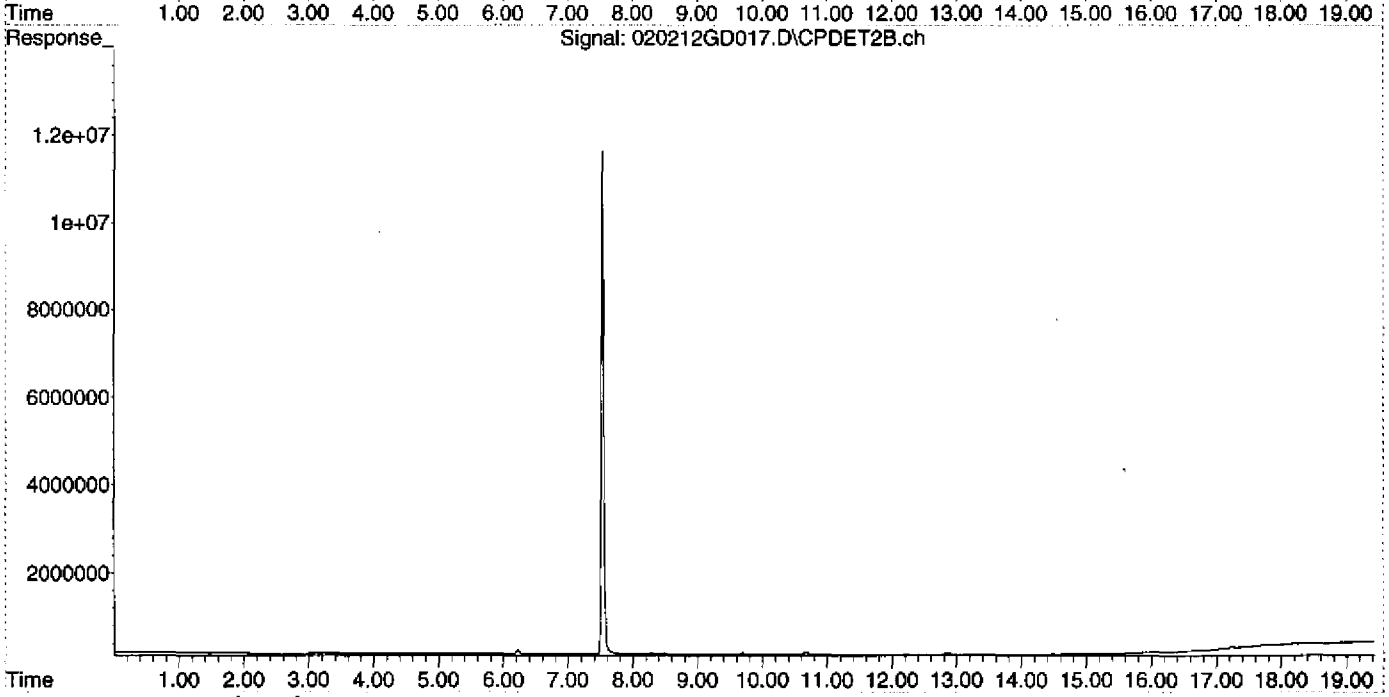
Quantitation Report (Not Reviewed)

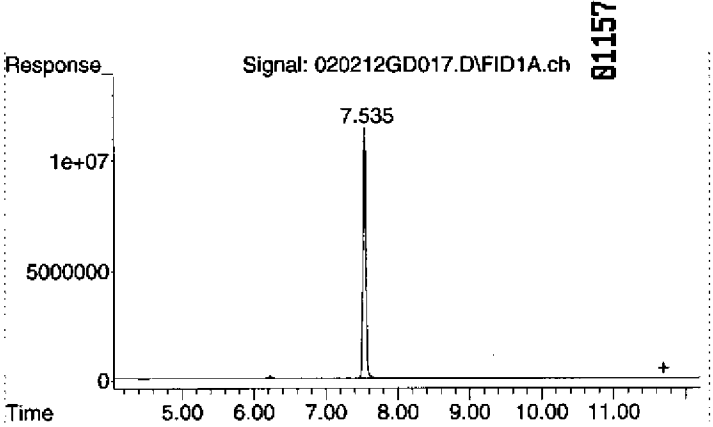
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD017.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 6:25 pm
Operator : YNB
Sample : 1202005-09
Misc : HW29,D, WATER
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:08 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:	4219420
Conc:	1.90 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 6:54 pm
Operator : YNB
Sample : 1202005-10
Misc : HW29z,D, WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:12 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	7.536	301941829	125.598 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 100.48%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	3360361	1.509 ug/L

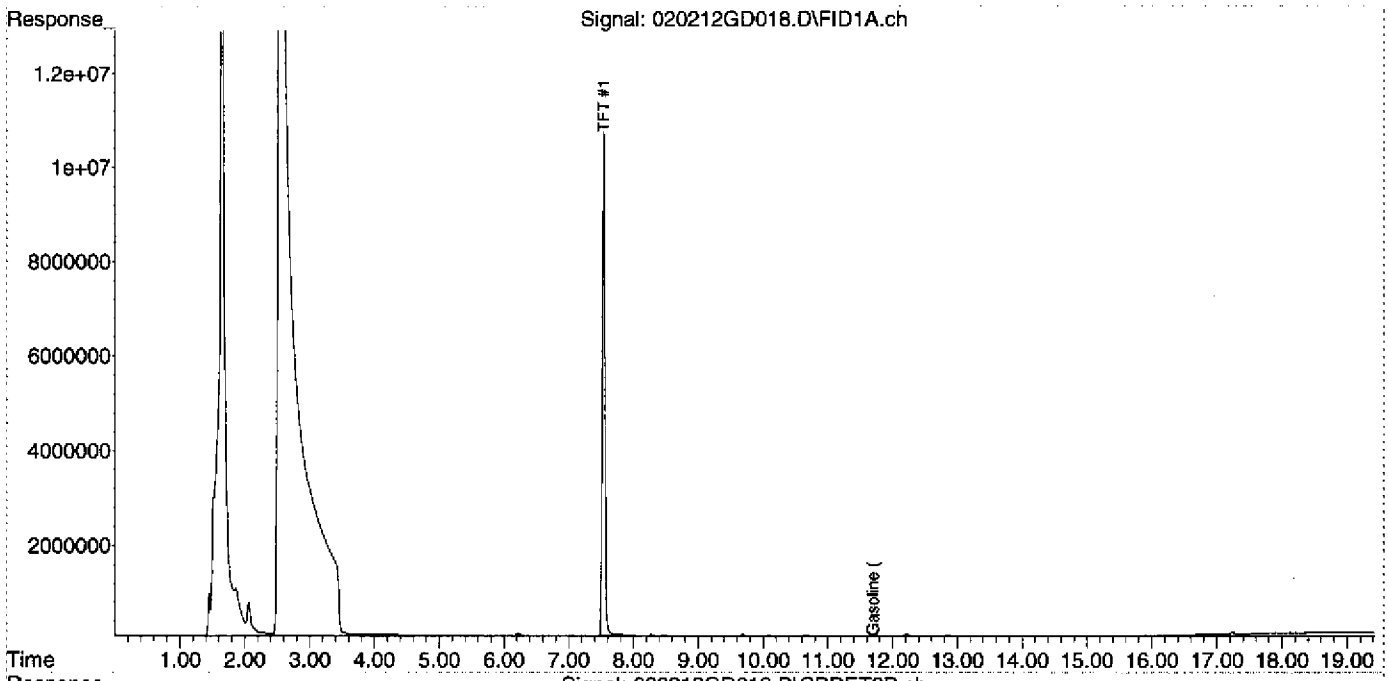
(f)=RT Delta > 1/2 Window (m)=manual int.

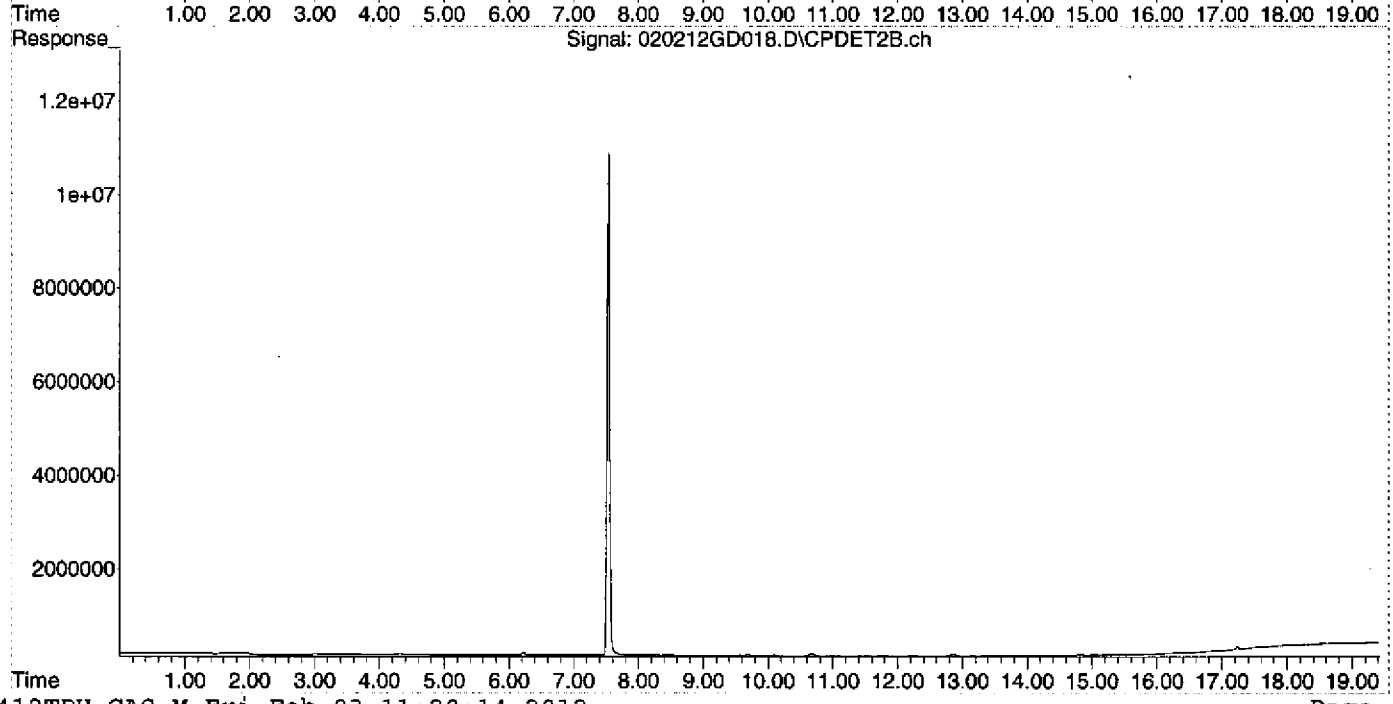
Quantitation Report (Not Reviewed)

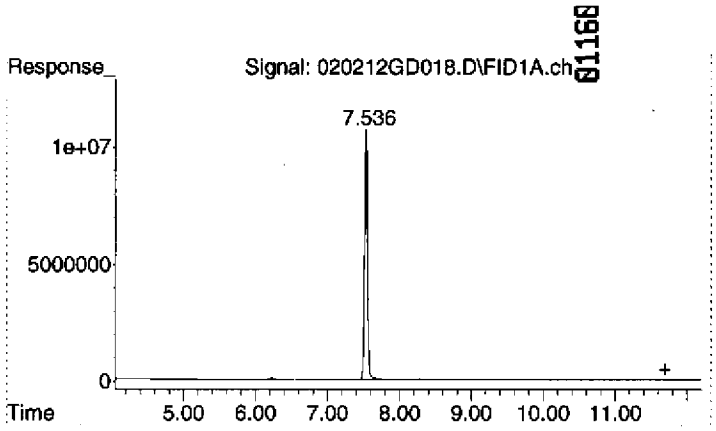
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD018.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 6:54 pm
Operator : YNB
Sample : 1202005-10
Misc : HW29z,D, WATER
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:12 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:	3360361
Conc:	1.51 ug/L

Quantitation Report (Not Reviewed)

01161

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 7:22 pm
Operator : YNB
Sample : 1202005-12
Misc : HW52,D, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S TFT #1	7.533	309282290	128.652	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.92%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

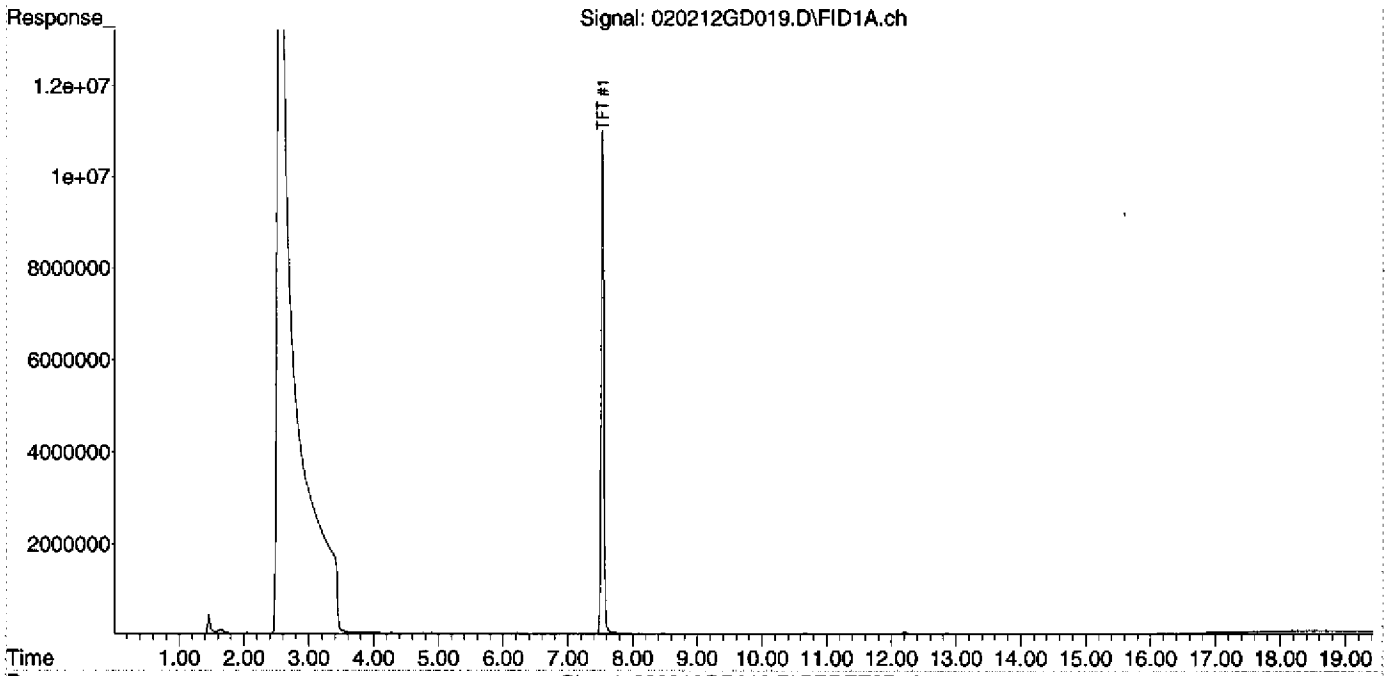
(f)=RT Delta > 1/2 Window (m)=manual int.

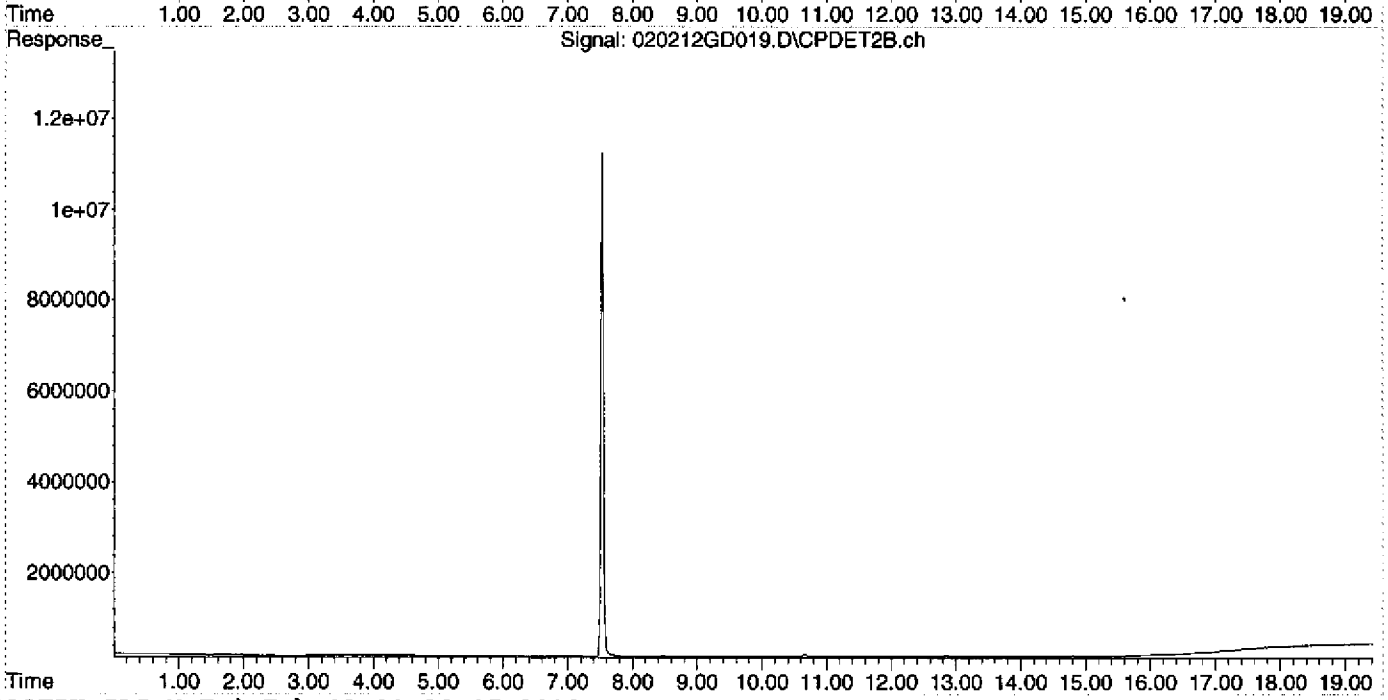
Quantitation Report (Not Reviewed)

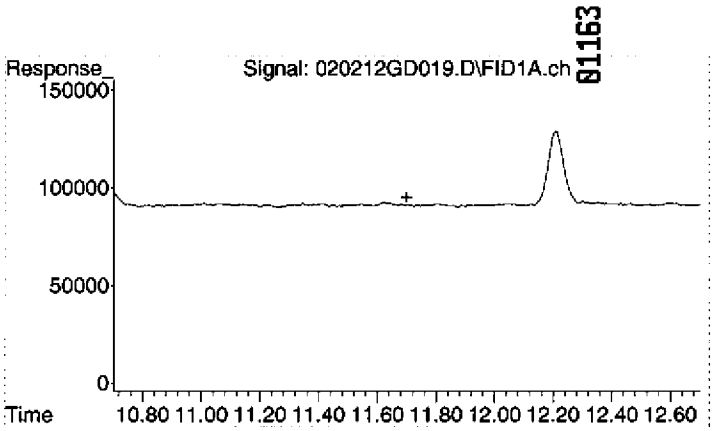
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD019.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 7:22 pm
Operator : YNB
Sample : 1202005-12
Misc : HW52,D, WATER
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:16 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

01164

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 7:50 pm
Operator : YNB
Sample : 1202005-16
Misc : HW26,A, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S TFT #1	7.532	308182005	128.194	ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 102.56%				
Target Compounds				
1) HRM Gasoline (TPH) #1	0.000	0	N.D.	ug/L

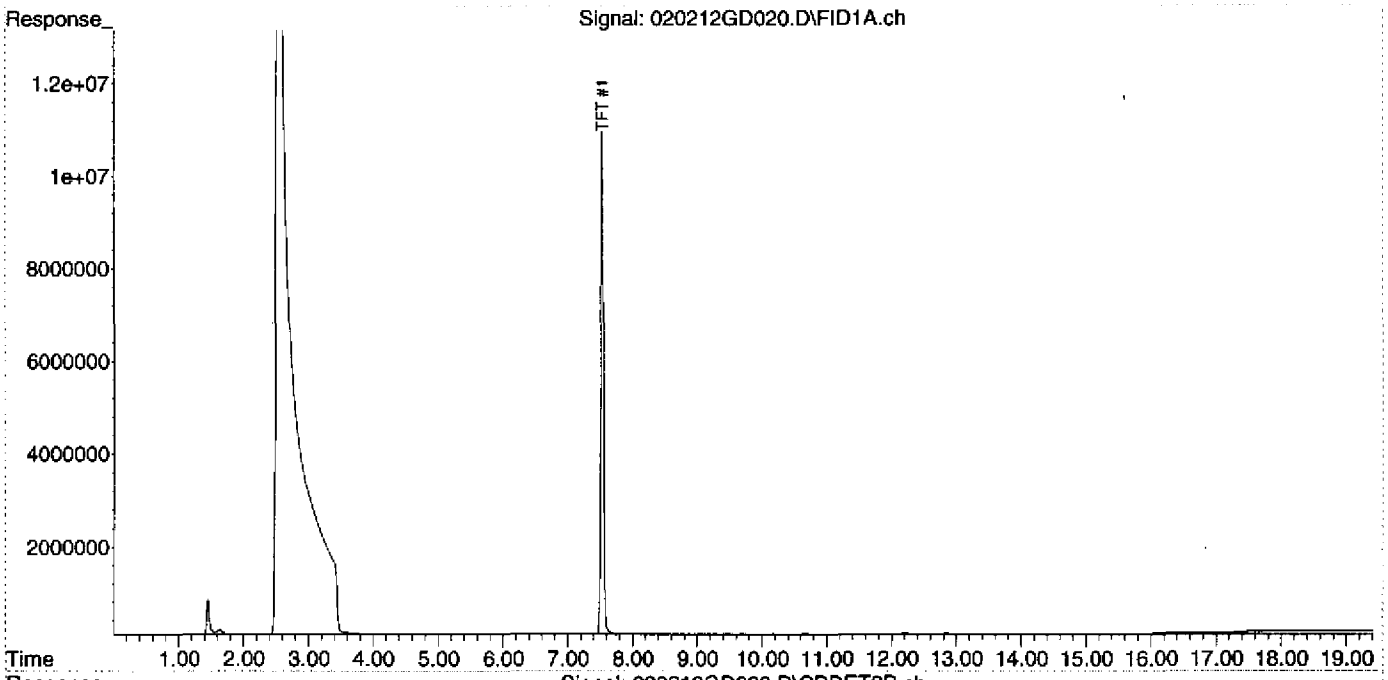
(f)=RT Delta > 1/2 Window (m)=manual int.

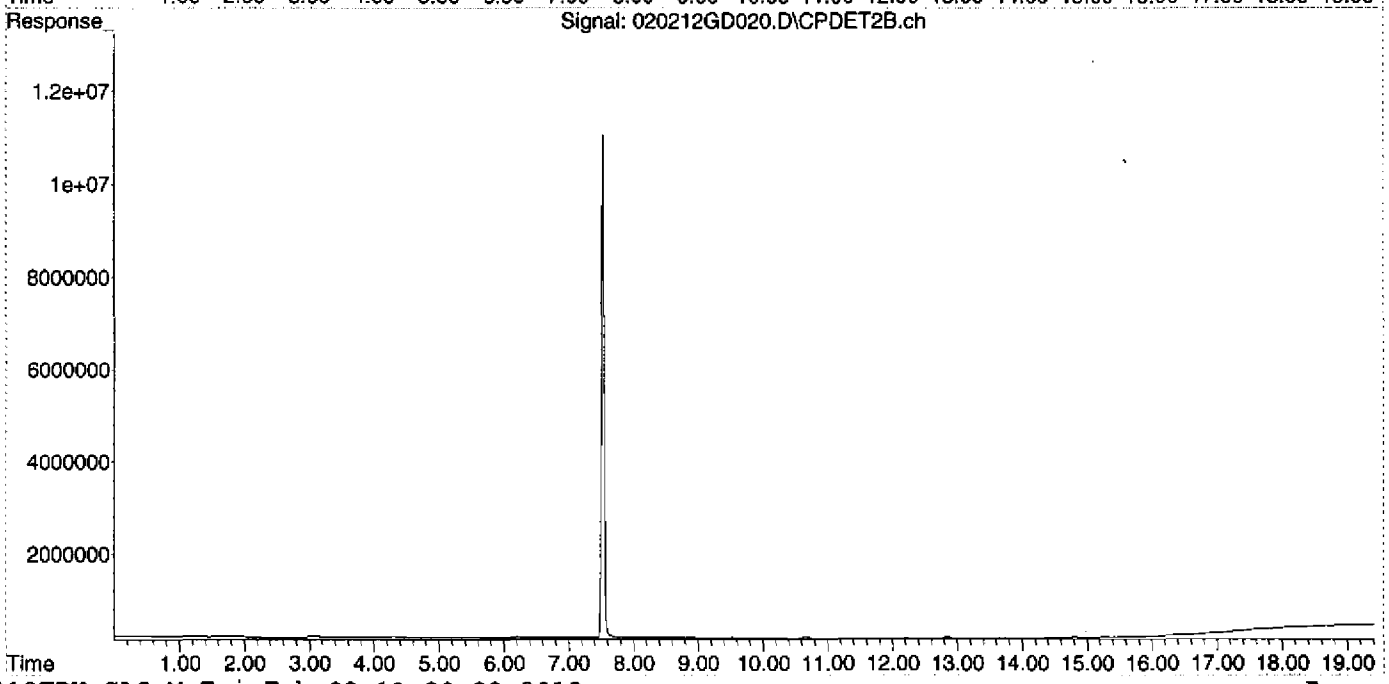
Quantitation Report (Not Reviewed)

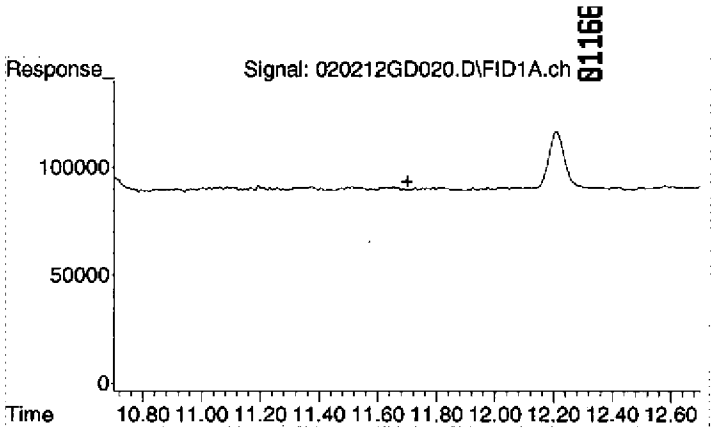
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD020.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 7:50 pm
Operator : YNB
Sample : 1202005-16
Misc : HW26,A, WATER
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:20 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

01167

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 8:19 pm
Operator : YNB
Sample : 1202005-11
Misc : HW35,A, WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:25 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	304707955	126.749 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 101.40%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

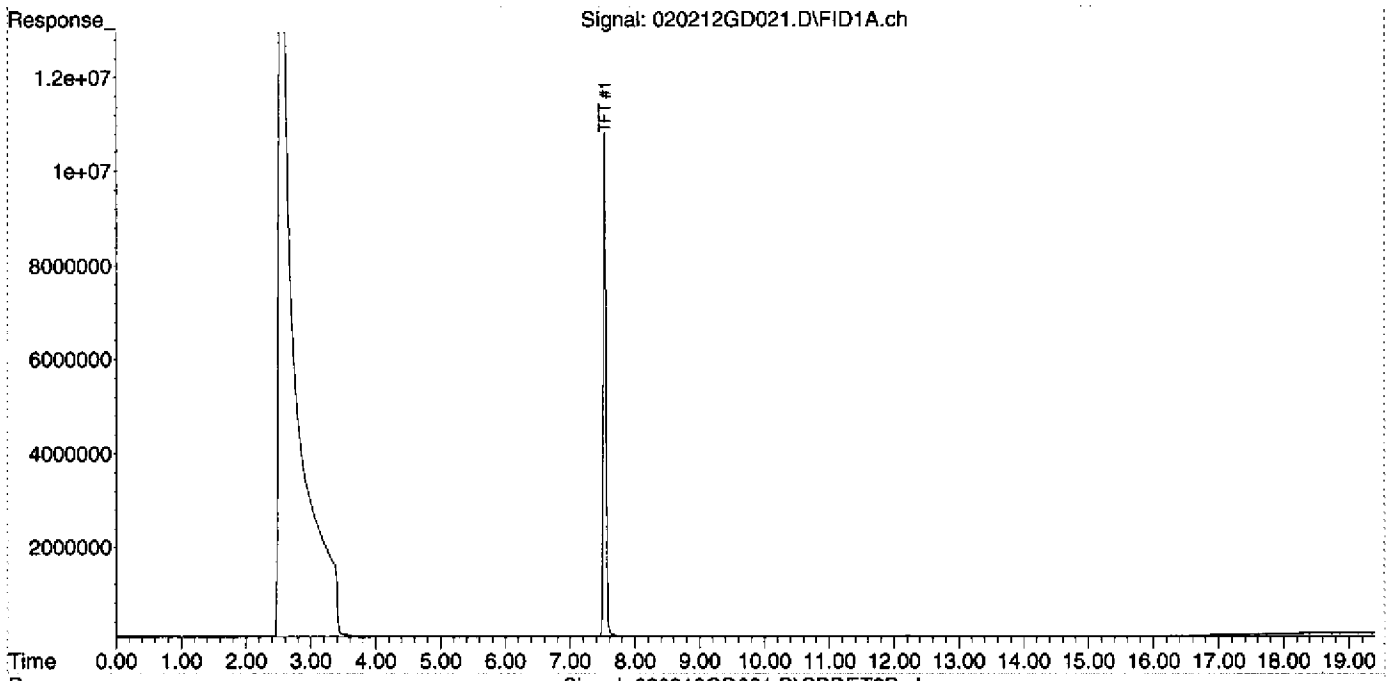
(f)=RT Delta > 1/2 Window (m)=manual int.

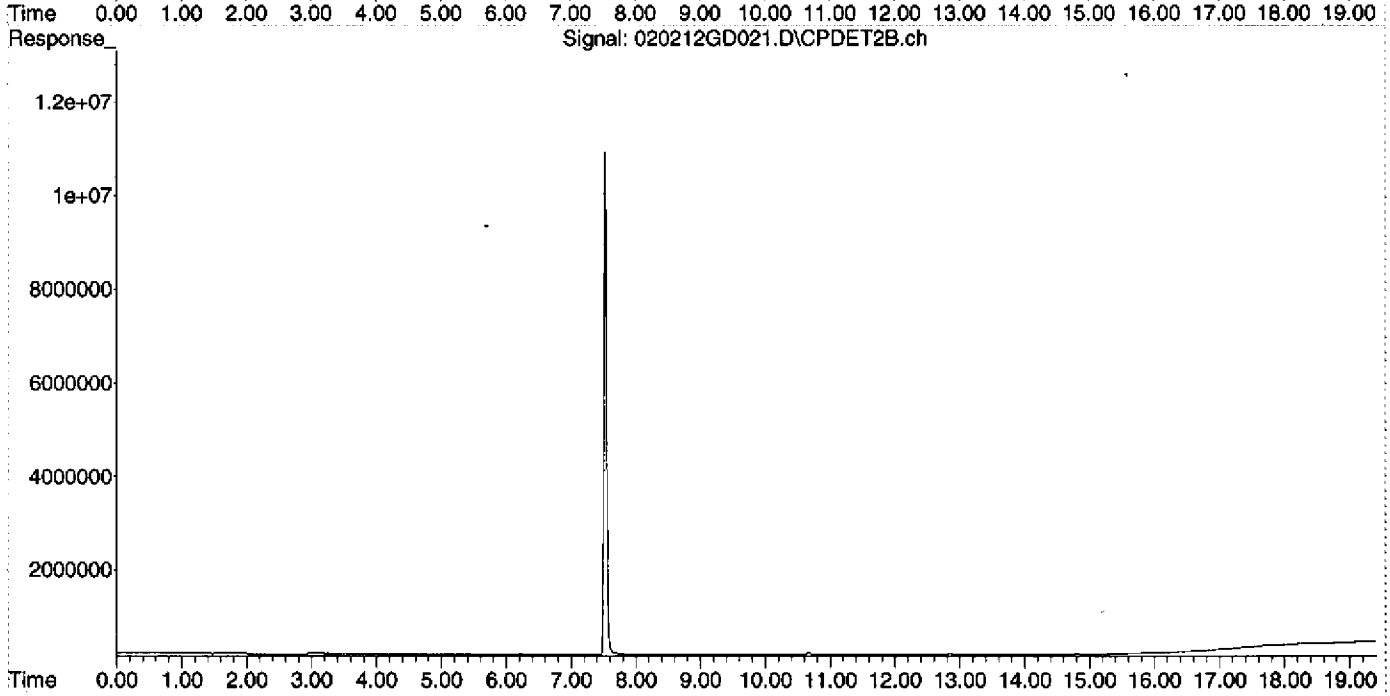
Quantitation Report (Not Reviewed)

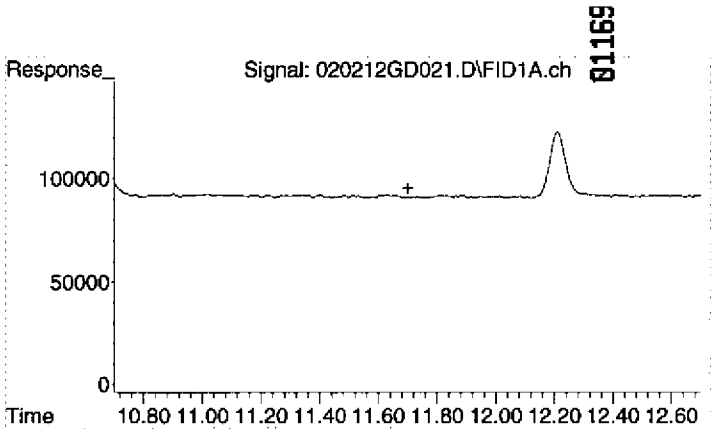
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD021.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 8:19 pm
Operator : YNB
Sample : 1202005-11
Misc : HW35,A, WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:25 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

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

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD022.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 8:47 pm
Operator : YNB
Sample : B2B0011-MS1
Misc : HW35,C, WATER SPIKE
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:30 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.531	305319894	127.003 ug/L
Spiked Amount 125.000	Range 76 - 121	Recovery = 101.60%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1195046778	536.744 ug/L

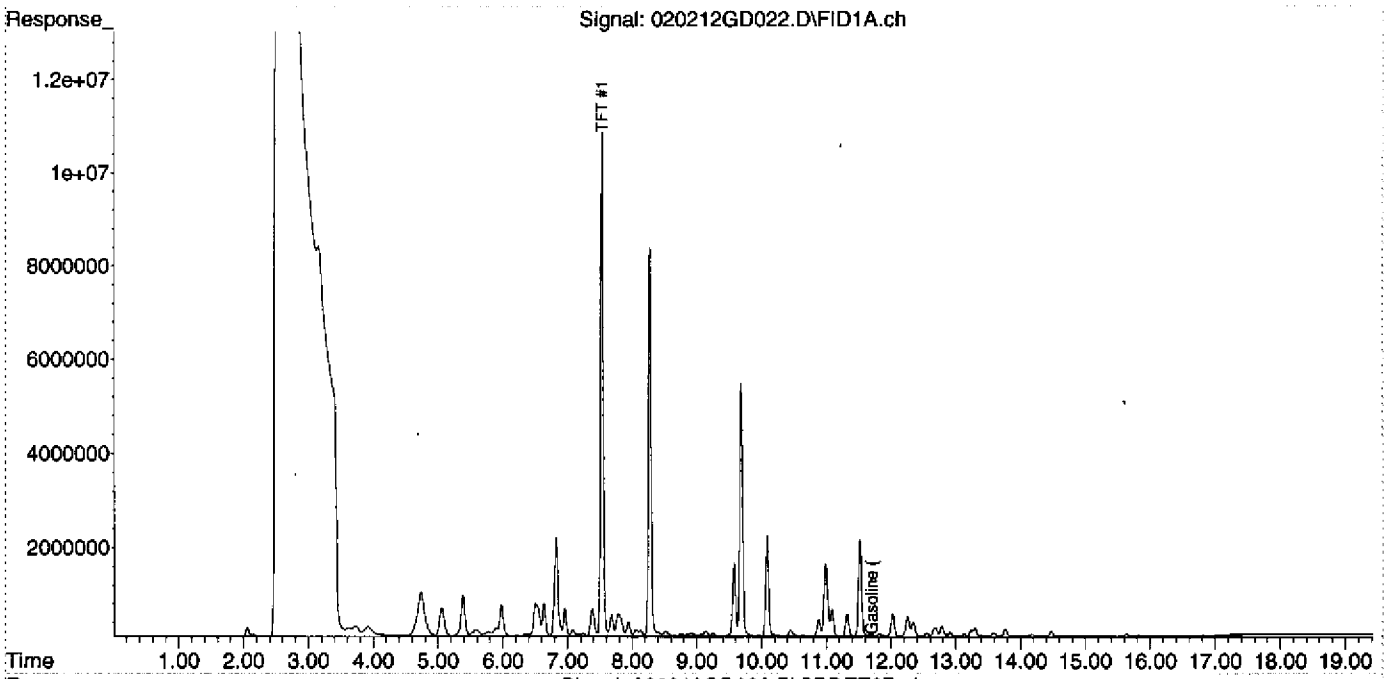
(f)=RT Delta > 1/2 Window (m)=manual int.

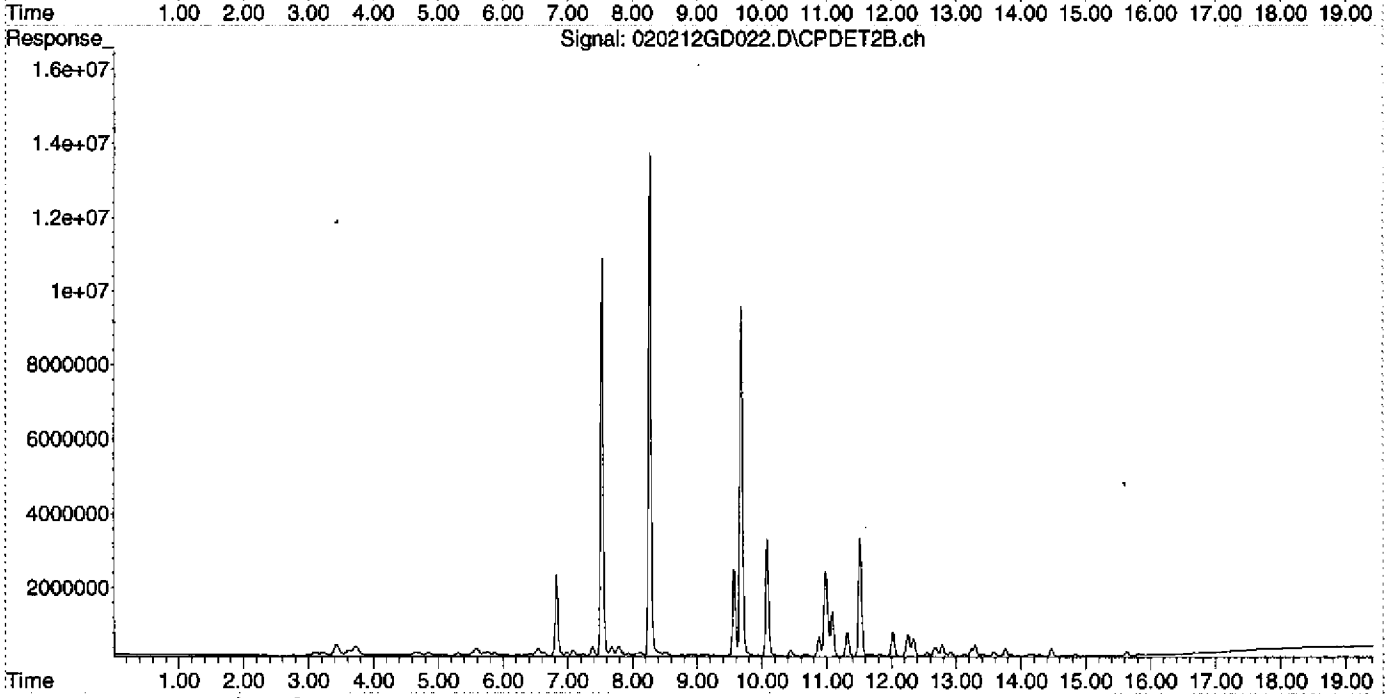
Quantitation Report (Not Reviewed)

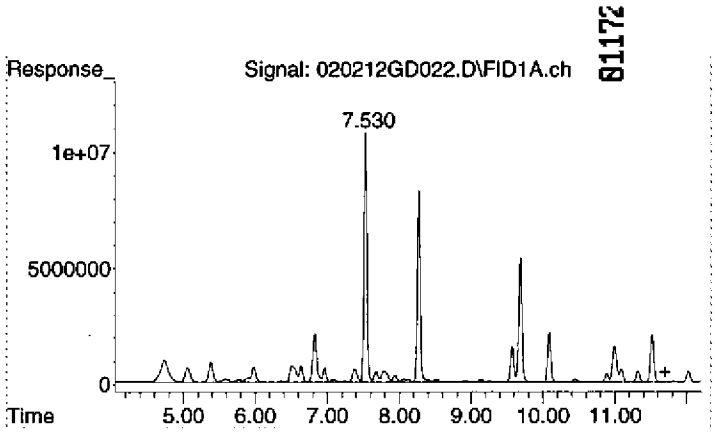
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD022.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 8:47 pm
Operator : YNB
Sample : B2B0011-MS1
Misc : HW35,C, WATER SPIKE
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:30 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1195046778
Conc: 536.74 ug/L

Quantitation Report (Not Reviewed)

01173

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 9:15 pm
Operator : YNB
Sample : B2B0011-MSD1
Misc : HW35,F, WATER SPIKE
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:35 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.533	299142729	124.434 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.55%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1165624235	523.530 ug/L

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

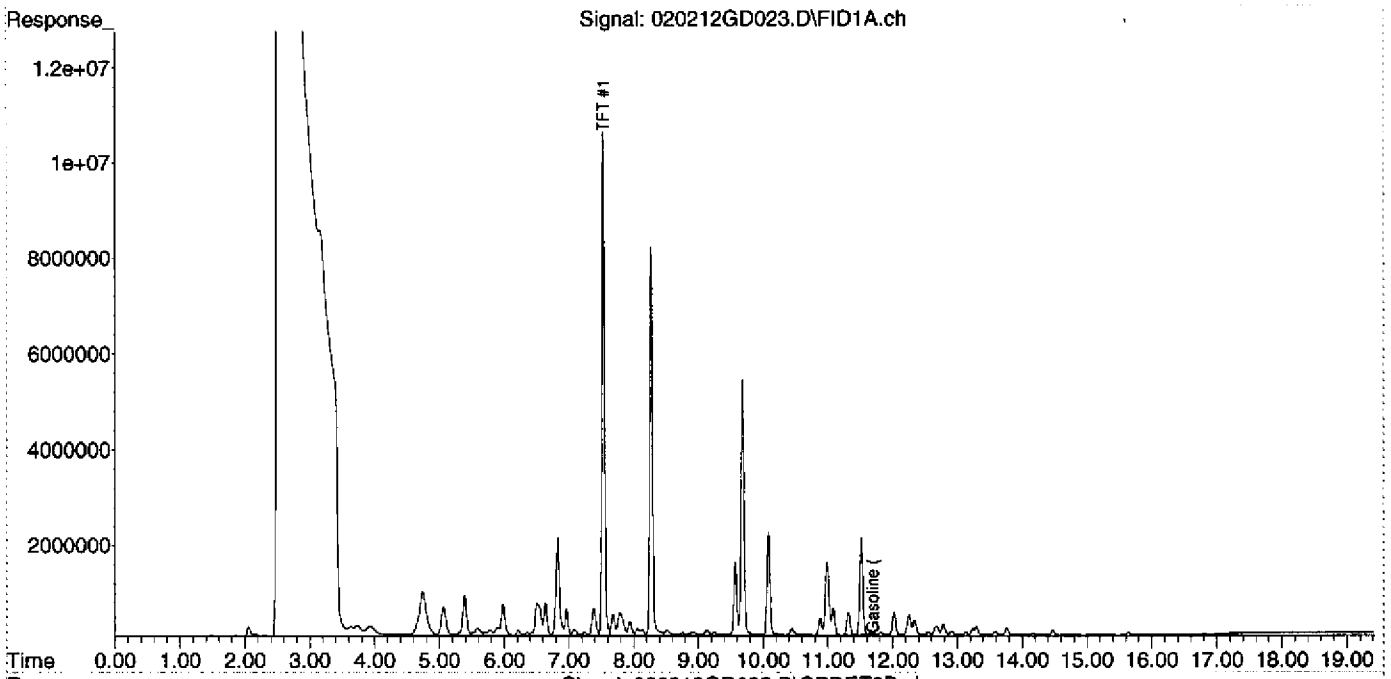
Quantitation Report (Not Reviewed)

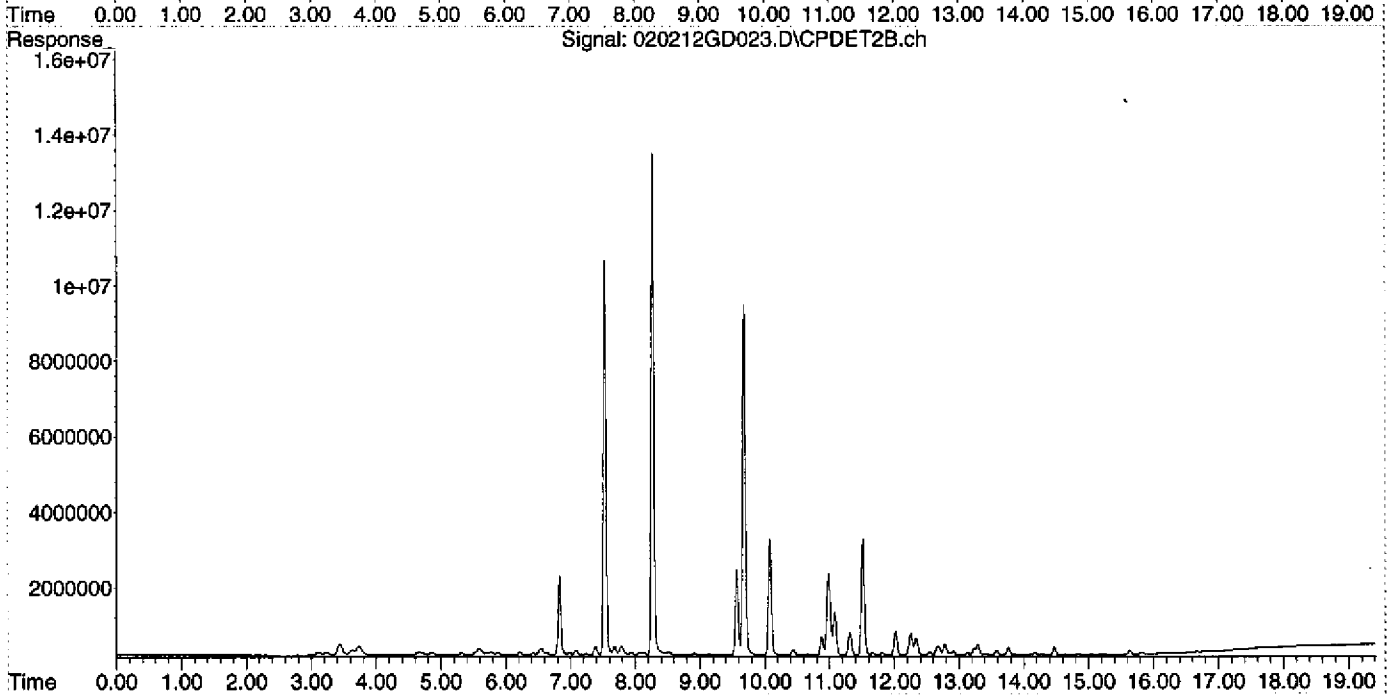
01174

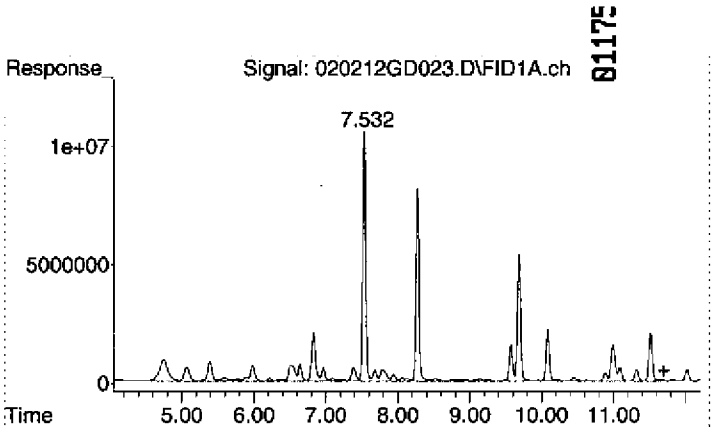
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD023.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 9:15 pm
Operator : YNB
Sample : B2B0011-MSD1
Misc : HW35,F, WATER SPIKE
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:35 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1165624235
Conc: 523.53 ug/L

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 9:43 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:40 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	299095582	124.414 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 99.53%			
Target Compounds			
1) HRM Gasoline (TPH) #1	0.000	0	N.D. ug/L

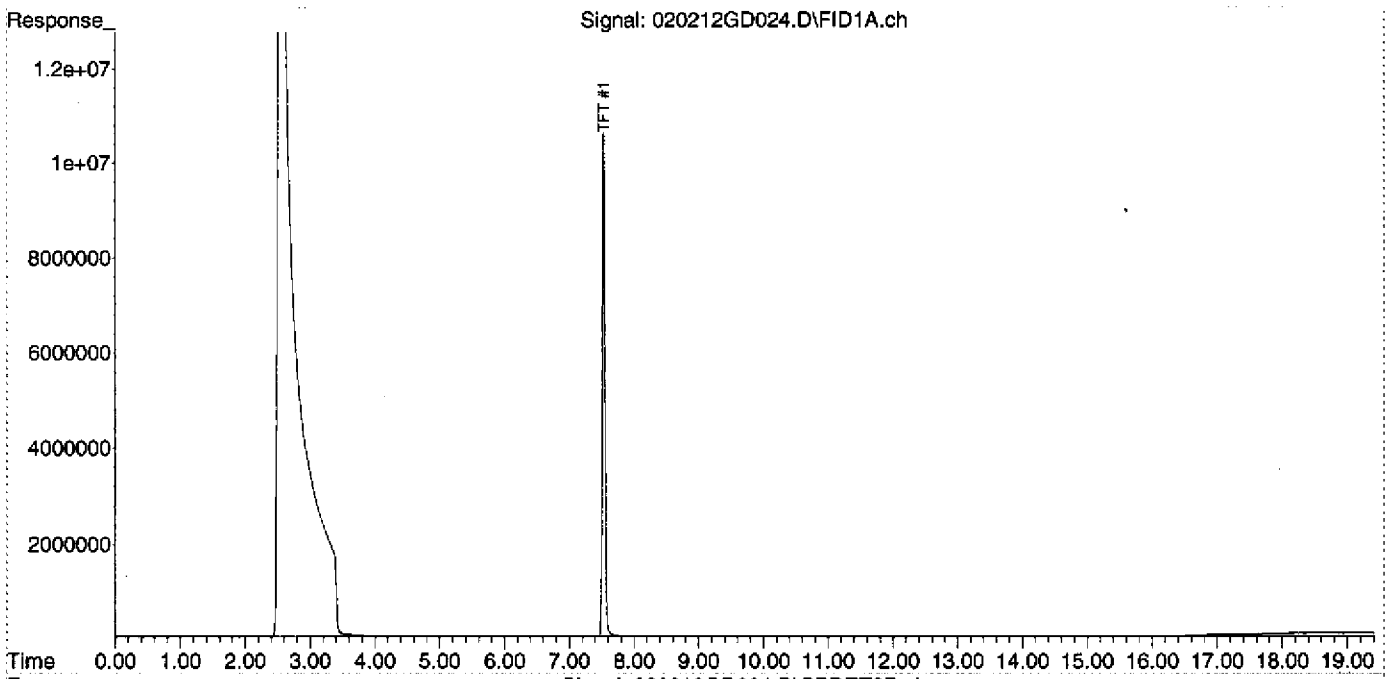
(f)=RT Delta > 1/2 Window (m)=manual int.

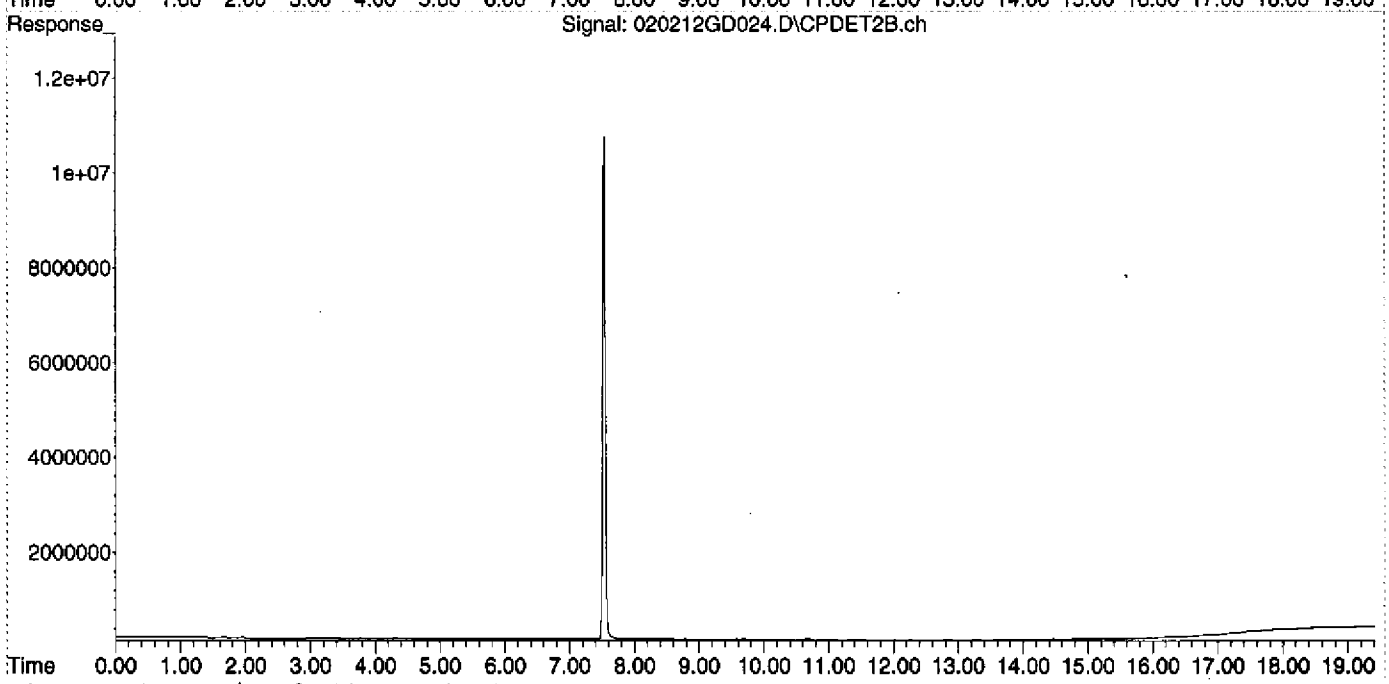
Quantitation Report (Not Reviewed)

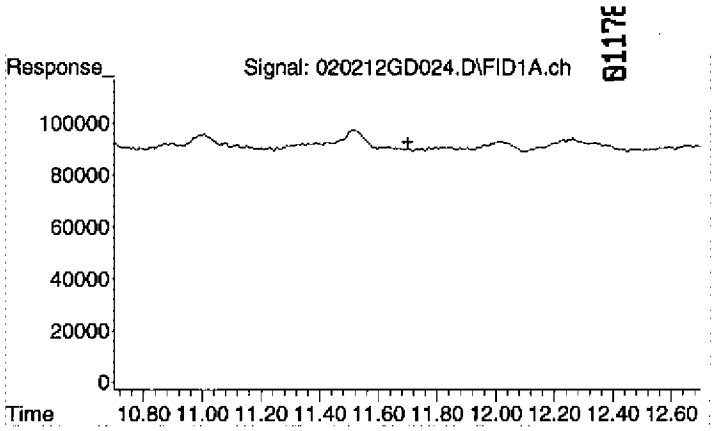
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD024.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 9:43 pm
Operator : YNB
Sample : BLANK
Misc : BLANK, WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:40 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

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

Evaluate Continuing Calibration Report

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:12 pm
Operator : YNB
Sample : 2020005-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:13:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

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	2.170 E6	2.5	93	0.00
2	S TFT #1	2.404	2.516 E6	-4.7	105	0.00

Evaluate Continuing Calibration Report - Not Founds

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

≤20%
YNB
02.03.12

Quantitation Report (Not Reviewed)

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:12 pm
Operator : YNB
Sample : 2020005-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:45 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	314479968	130.814 ug/L
Spiked Amount 125.000 Range 76 - 121		Recovery = 104.65%	
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1085146447	487.384 ug/L

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

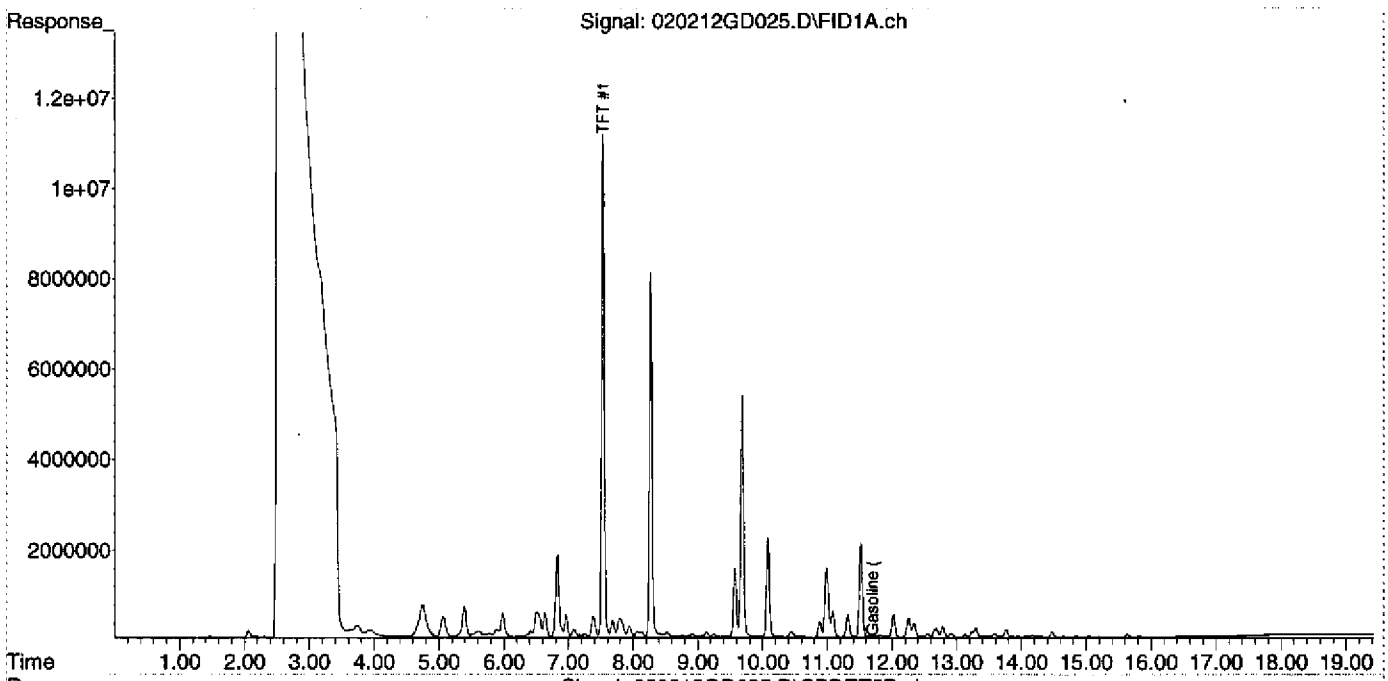
Quantitation Report (Not Reviewed)

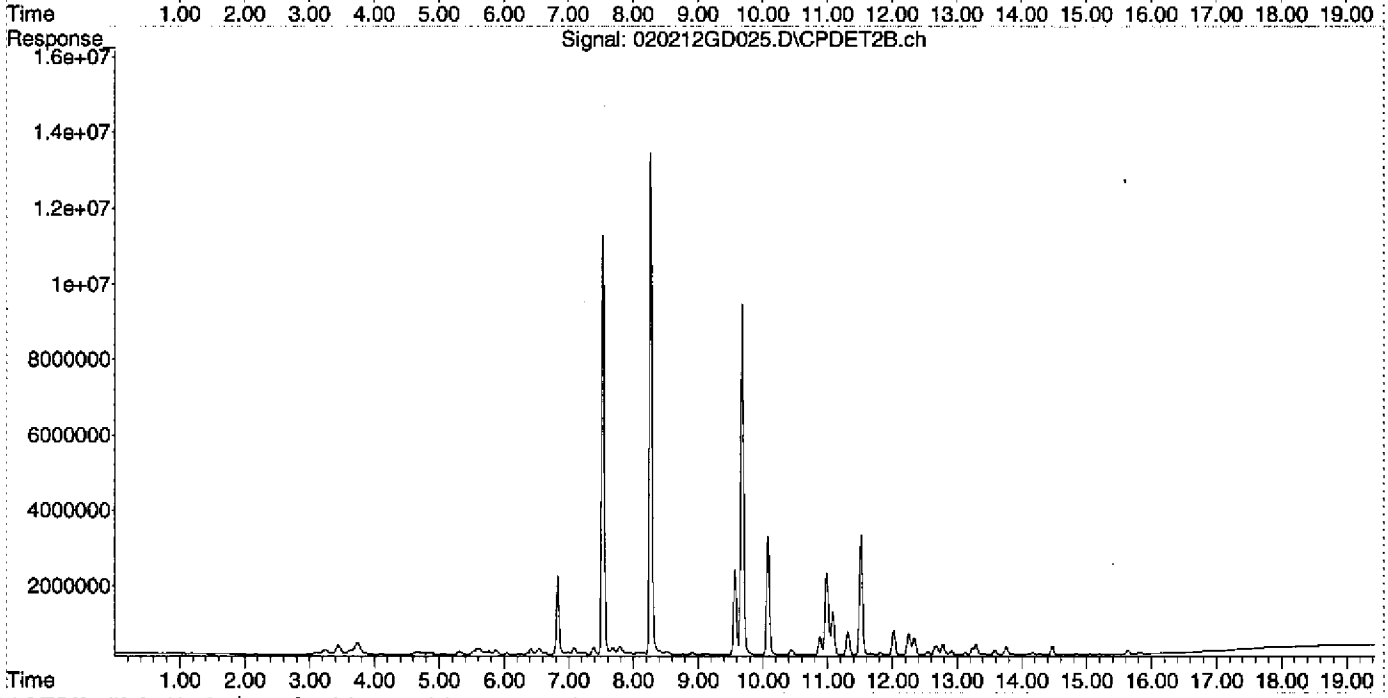
01181

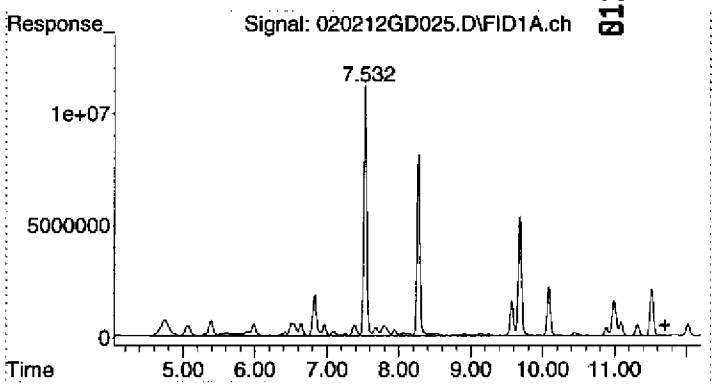
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD025.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:12 pm
Operator : YNB
Sample : 2020005-CCV2
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:45 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: 1085146447
Conc: 487.38 ug/L

Quantitation Report (Not Reviewed)

01183

Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:40 pm
Operator : YNB
Sample : 2020005-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S TFT #1	7.534	316307909	131.574 ug/L
Spiked Amount 125.000 Range 76 - 121 Recovery = 105.26%			
Target Compounds			
1) HRM Gasoline (TPH) #1	11.700	1111621270	499.275 ug/L

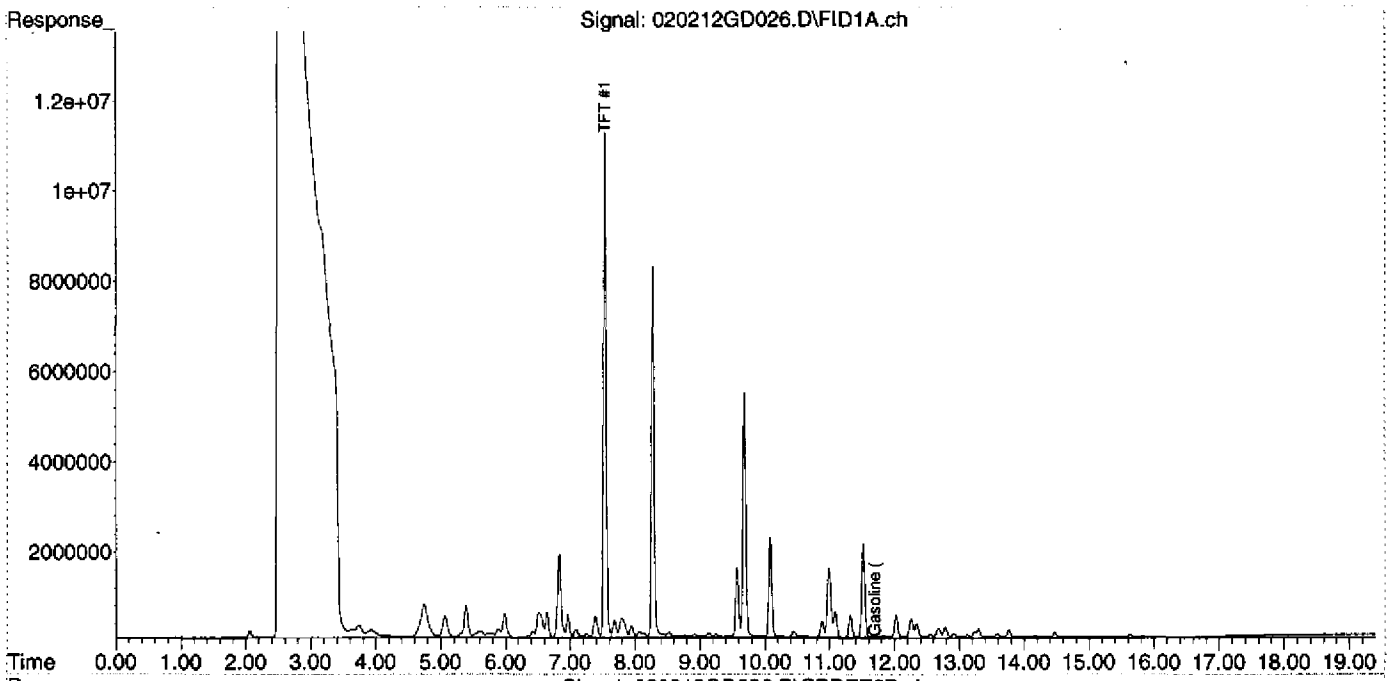
(f)=RT Delta > 1/2 Window (m)=manual int.

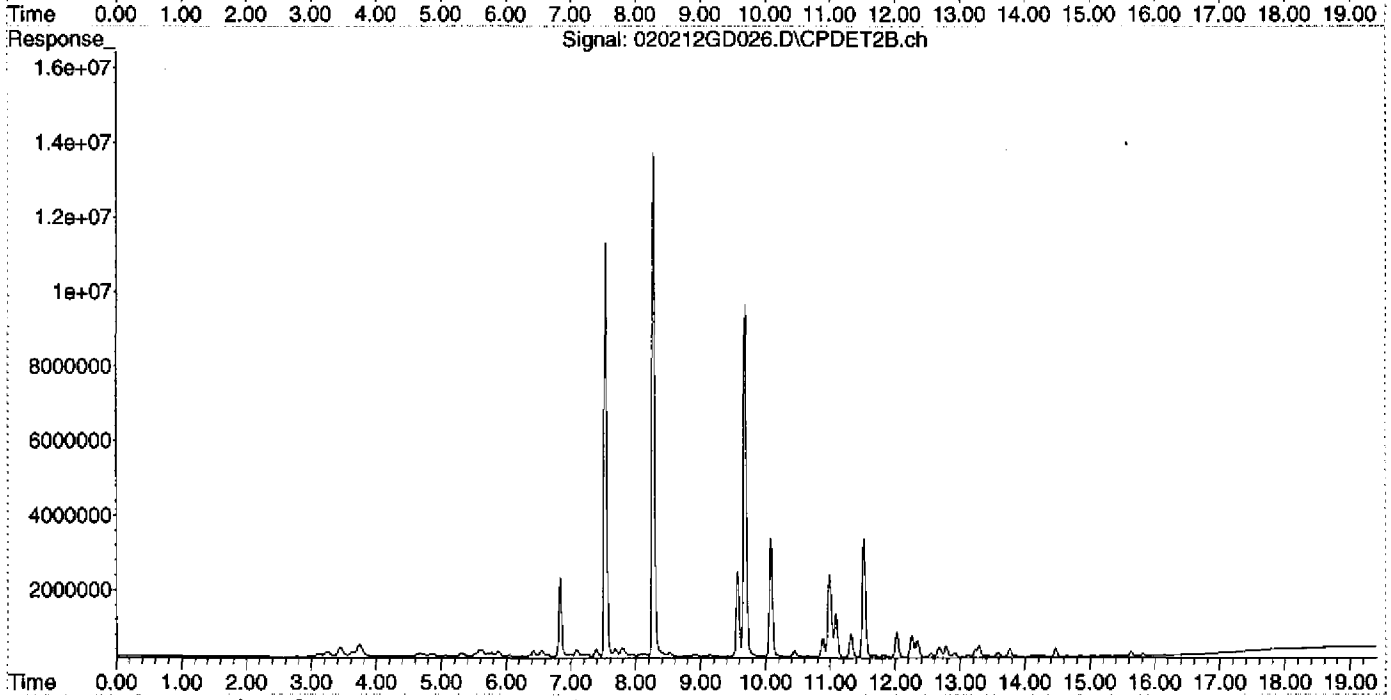
Quantitation Report (Not Reviewed)

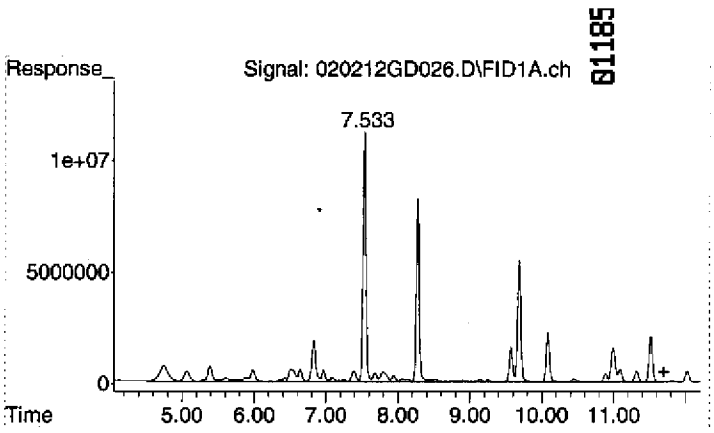
Data Path : D:\MSDCHEM\2012\data\020212\
Data File : 020212GD026.D
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 2 Feb 2012 10:40 pm
Operator : YNB
Sample : 2020005-CCV3
Misc : 500ug/L, 1J17001, WATER
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 03 11:20:50 2012
Quant Method : C:\MSDCHEM\2\METHODS\012412TPH_GAS.M
Quant Title : GC TPH Method
QLast Update : Wed Jan 25 10:49:01 2012
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Gasoline (TPH) #1

R.T.: 11.700 min
Delta R.T.: 0.000 min
Response: 1111621270
Conc: 499.27 ug/L

0118E

STANDARDS RECORDS

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

: 00168

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)
1123006	GAS:GAS Methylpentane,Trimeth	09/23/11	** Vendor **	11/17/12	09/23/11 10:32 by TD	0.2

Analytical Standard Record

EPA Region 9 Laboratory

2A10005

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

50 uL in 10mL of MeOH

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

Parent Standards used in this standard:

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

Analytical Standard Record

EPA Region 9 Laboratory

2A10006

Description:	GAS: Turpentine_01/10/12 100 ug/π	**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)
1I23004	GRO:Stoddard Solvent, Stock	09/23/11	** Vendor **	04/26/20	09/23/11 10:18 by TD	0.05

Analytical Standard Record

EPA Region 9 Laboratory

2A10012

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

20 uL in 10mL of MeOH

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

Parent Standards used in this standard:

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

Analytical Standard Record

EPA Region 9 Laboratory

2A24003

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

MeOH Lot# DB939

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

Parent Standards used in this standard:

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