PROJECT ID:02650006

SAMPLE ID: DK27595

DESCRIPTOR: COMPLAINT RESPONSE

HERITAGE ENVIRONMENTAL SERVICES
COMMERCIAL LABORATORY OPERATIONS

7901 W. Morris Street
Indianapolis, IN 46231-3301

MITT L. DENNEY
INDIANA DEPT. OF ENV. MANAGEMENT

REPORT PACKAGE #9523

SAMPLE: ***A584991***
IDEM ID: ***DK27595***

Done

Steve Potter
Pike Co.

Letter Out

HERITAGE ENVIRONMENTAL SERVICES, LLC

7901 West Morris Street
Indianapolis, IN 46231
Phone: 317/243-0811
Fax: 317/486-5095
Internet:http://www.heritage-enviro.com

QUALITY ASSURANCE REPORT PACKAGE # **9523**
FOR
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

MITT L. DENNEY
INDIANA DEPT. OF ENV. MANAGEMENT
2525 NORTH SHADELAND AVENUE
BUILDING 30
INDIANAPOLIS, IN 46219
(317) 308-3324

SAMPLE: A584991

IDEM ID: DK27595

HERITAGE ENVIRONMENTAL SERVICES, LLC
COMMERCIAL LABORATORY OPERATIONS
7901 WEST MORRIS STREET
INDIANAPOLIS, INDIANA 46231
PHONE: (317) 243-8304
FAX: (317) 486-5095

APPROVED BY: G A Busch, QAO
PROJECT CHEMIST

RECEIVED
MAR 11 2002
IDEM-Water Mgmt
Drinking Water

Recycled Paper

CONTENTS

TABLE OF CONTENTS 1

CHAIN OF CUSTODY / CASE NARRATIVE 2

GENERAL ORGANICS CHEMSITRY QA/QC REPORT 3

LIMS CERTIFICATE OF ANALYSIS REPORT 4

LIMS QUALITY ASSURANCE REPORT 5

Heritage Environmental Services, LLC
7901 West Morris Street
Indianapolis, IN 46231
Phone: (317) 243-0811
Fax: (317) 486-5095

CASE NARRATIVE
SHIPPING AND RECEIVING

The following sample was received at Heritage Environmental laboratory on 15-February-2002:

Sample #: A584991

IDEM #: DK27595

The sample was received within EPA recommended holding times and in good condition. If required, a pH screen confirmed that the sample was preserved to acceptable pH levels. The sample was analyzed within holding times as prescribed by the analytical method. Exceptions to these statements, additional information, and any analytical anomalies are noted on the accompanying Certificate of Analysis Report.

Nancy J. Carman

Nancy J. Carman
Document Control Officer

ACCREDITED IN ACCORDANCE WITH nelac

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

☐ OWM ☐ OSHWM ☐ OER ☐ OAM

CHAIN OF CUSTODY

I Certify that the sample(s) listed below was/were collected by me or in my presence. Date: ___/___/___ P.O. #: _____

Signature: James L. Harris Section: Ground Water

LAB NUMBER ASSIGNED	IDEM CONTROL NUMBER	CONSISTING OF THE INDICATED NUMBER OF BOTTLES											DATE AND TIME COLLECTED
		2000 ml P, N. M.	1000 ml P, N. M.	1000 ml G, N. M.	500 ml G,W. M.	250 ml G,W. M.	125 ml G,W. M.	40 ml VIAL	120 ml P,(B. O.)	500 ml P, N. M.	250 ml P, N. M.		
A584991	DK 22595			1									2/13/02 11:30 AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM
													/ / : AM/PM

P-Plastic G-Glass N.M.-Narrow Mouth W.M.-Wide Mouth B. O.- Bacti. Only

CARRIERS

Should samples be iced? Y N

I certify that I received the above sample(s)

SIGNATURE	DATE AND TIME	SEALS INTACT		COMMENTS
RELINQUISHED BY: James Harris	2/15/02	Y	N	29
RECEIVED BY: S. KINNAMAN	12:10 AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			
RELINQUISHED BY:	/ /	Y	N	
RECEIVED BY:	: AM/PM			

Lab Custodian

I certify that I received the above sample(s) and is/are recorded in the official record book. The same samples will be in custody of competent laboratory personnel at all tim[illegible] locked in a secure area.

Signature: S. KINNAMAN Date: 15 FEB 02 Time: 12:15 AM/PM

Lab: _____ Address: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER/GROUND WATER SECTION
BAA 97-044 SAMPLE TASK SHEET

Site ID:	02630002	IDEM Sample #'s: DK	27595 to DK	Project Date:	1/23/02
Sampler:	Harris	Assigned Lab:	EHL: [ ]	HLI: [X]	

TASK 1 - METALS

DW Stds		Geochem		Other		Other	
Antimony		Barium		Aluminum			
Arsenic		Calcium		Boron			
Beryllium		Iron		Cobalt			
Cadmium		Magnesium		Manganese			
Chromium		Potassium		Selenium			
Copper		Sodium		Silver			
Lead				Titanium			
Mercury				Thallium			
Nickle				Zinc			

TASK 2 - INORGANICS, MICROBIOLOGIC, NUTRIENTS & ORGANICS

Alkalinity		Total Coliforms,		Phosphorous (Applicable to /All Froms)	
BOD5		Cyanide, Total		Solids, Filterable Residue (TDS)	
BOD, Ultimate		Cyanide, Amenable		Solids, Non-Filterable Residue (TSS)	
Bromide		Fluoride		Solids, % (Solid Waste Matrices)	
Chemical Oxygen Demand		Hardness as CaC03		Solids, Settleable Residue	
Chloride		Nitrogen, Kjeldahl (TKN)		Specific Conductanc	
Chlorine, Free & Total		Nitrogen, Nitrate		Sulfate	
Chlorine, Free		Nitrogen, Nitrite		Total Organic carbon (TOC)	
Chromium, Hexavalent		Nitrogen, Nitrate-Nitrite		Turbidity	
Coliforms, E.coli		pH (Lab)			
Coliforms, Fecal		Phosphorous, ortho			

TASK 5 - VOLATILE ORGANICS	5A - 524.2			5B - 524E
TASK 6 - SEMIVOLATILE ORGANICS	6A - 525.2			6B -525.2E

TASK 7 - DIOXINS, PCB's & PESTICIDES

504.1 - EDB & DBCP		513 -TCDD (2,3,7,8-TCDD)		547 - Glyphosate	
505 - Organohalides & PCB's		515.1 - Chlorinated Acids - ECD		548.1 -Endothall	
507 - Nitrogen/Phosphorous NPD		531.1 - Carbamates		549.1 - Diquat/Paraquat	
508.1 - Chlorinated Acids - ECD					

SAS	SAS 8015, oil						
APPROXIMATE CONCENTRATIONS (worst case):		10ppm	✓	100ppm		≥1000ppm	
REPORTING TIME (days):		30	✓	14		2	

Please Send Reports to:	Hand Deliver Reports to:	COMMENTS
Mitt Denney Ground Water Section, 6633 100 N Senate Ave Indianapolis, IN 46204 (317) 308-3324 (317) 308-3339, fax	Mitt Denney Ground Water Section, 6633 2525 N Shadeland Ave Indianapolis, IN 46219 (317) 308-3324 (317) 308-3339, fax	

Revision: 08/2/1998-2

HERITAGE ENVIRONMENTAL SERVICES, LLC

7901 West Morris Street
Indianapolis, IN 46231
Phone: 317/243-0811
Fax: 317/486-5095
Internet:http://www.heritage-enviro.com

CASE NARRATIVE
GOG GROUP
TOTAL PETROLUEM HYDROCARBON SCAN
METHOD SW-846 8015B (MODIFIED), HLI2

Sample	Client ID
A584991	DK27595

This sample was analyzed according to normal procedures and all data quality acceptance criteria were satisfied. Total petroleum hydrocarbons were below the detection limits for the sample.

GC Analyst
Jay M. Montgomery

ACCREDITED IN ACCORDANCE WITH nelac

Recycled Paper

Sequence Name: C:\HPCHEM\3\SEQUENCE\161.S
Comment: Dual Tower/Dual Column Staggered Sequence
Operator: HP Demo
Data Path: C:\HPCHEM\3\DATA\161\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Comment	- Dual Tower/Column Staggered Sequence			
2	Stagger	- 75			
3	Comment	- The Stagger keword must be used.			
4	Comment				
5	Sample	1	161_01	TPH	CS2
6	Sample	2	161_02	TPH	FID A718
7	Sample	3	161_03	TPH	FID A702 L 1
8	Sample	4	161_04	TPH	FID A702 L 2
9	Sample	5	161_05	TPH	FID A702 L 3
10	Sample	6	161_06	TPH	FID A712 L 4
11	Sample	7	161_07	TPH	FID A702 L 5
12	Sample	8	161_08	TPH	FID A702 L 6
13	Sample	9	161_09	TPH	FID A703 L 1
14	Sample	10	161_10	TPH	FID A703 L 2
15	Sample	11	161_11	TPH	FID A703 L 3
16	Sample	12	161_12	TPH	FID A713 L 4
17	Sample	13	161_13	TPH	FID A703 L 5
18	Sample	14	161_14	TPH	FID A703 L 6
19	Sample	15	161_15	TPH	FID A704 L 1
20	Sample	16	161_16	TPH	FID A704 L 2
21	Sample	17	161_17	TPH	FID A704 L 3
22	Sample	18	161_18	TPH	FID A704 L 4
23	Sample	19	161_19	TPH	FID A704 L 5
24	Sample	20	161_20	TPH	CS2
25	Sample	21	161_21	TPH	FID A712 L4
26	Sample	22	161_22	TPH	FID A713 L4
27	Sample	23	161_23	TPH	BLA 739
28	Sample	24	161_24	TPH	LCS 739
29	Sample	25	161_25	TPH	A584190
30	Sample	26	161_26	TPH	A584190 MS
31	Sample	27	161_27	TPH	A584190 MSD
32	Sample	28	161_28	TPH	A584191
33	Sample	29	161_29	TPH	BLA038
34	Sample	30	161_30	TPH	LCS 270
35	Sample	31	161_31	TPH	A584500 1:100
36	Sample	32	161_32	TPH	A584500 1:100 MS
37	Sample	33	161_33	TPH	A584500 1:100 MSD
38	Sample	34	161_34	TPH	FID A 712 L 4
39	Sample	35	161_35	TPH	FID A 713 L 4
40	Sample	36	161_36	TPH	BLA 091
41	Sample	37	161_37	TPH	LCS 328
42	Sample	38	161_38	TPH	A584991
43	Sample	39	161_39	TPH	A584991 MS

Sequence Name: C:\HPCHEM\3\SEQUENCE\161.S

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	40	161_40	TPH	A584991 MSD
45	Sample	41	161_41	TPH	FID A 712 L 4
46	Sample	42	161_42	TPH	FID A 713 L 4
47	Sample	43	161_43	TPH	BLA 740
48	Sample	44	161_44	TPH	LCS 740
49	Sample	45	161_45	TPH	A585173 1: 50
50	Sample	46	161_46	TPH	A585173 MS 1:50
51	Sample	47	161_47	TPH	A585173 MSD 1:50
52	Sample	48	161_48	TPH	A585174 1:50
53	Sample	49	161_49	TPH	A585175 1:50
54	Sample	50	161_50	TPH	FID A 712 L 4
55	Sample	51	161_51	TPH	FID A 713 L 4
56	Sample	52	161_52	TPH	CS2
57	Sample	53	161_53	TPH	A584173
58	Sample	54	161_54	TPH	A585173 MS
59	Sample	55	161_55	TPH	A585173 MSD
60	Sample	56	161_56	TPH	A585174
61	Sample	57	161_57	TPH	A585175 1:5
62	Sample	58	161_58	TPH	FID A712 L4
63	Sample	59	161_59	TPH	FID A713 L4
64	Sample	60	161_60	TPH	CS2
65	Sample	61	161_61	TPH	
66	Sample	62	161_62	TPH	
67	Sample	63	161_63	TPH	
68	Sample	64	161_64	TPH	
69	Sample	65	161_65	TPH	
70	Sample	66	161_66	TPH	
71	Sample	67	161_67	TPH	
72	Sample	68	161_68	TPH	
73	Sample	69	161_69	TPH	
74	Sample	70	161_70	TPH	
75	Sample	71	161_71	TPH	
76	Sample	72	161_72	TPH	
77	Sample	73	161_73	TPH	
78	Sample	74	161_74	TPH	
79	Sample	75	161_75	TPH	STAGGER

METHOD: 200 MATRIX: LIMS #

HYDROCARBON SCAN

SW846-8015A (MOD) BY GC/FID

RUN # 161 | Test O409.1 | Instr. 64 | Page 4 of 9

DATE 2-21-02 | Column # DB-5 | Ch 2 | Analyst JMM 1663

Run #	Sample #	T.V.	Par #	ANALYTE	Extract Conc.	RESULT	%REC	D.L.	RPD
3332	A584500 1:100 1450		383	Gasoline					
Time:	UNITS= mg/L	500	304	Diesel Fuel		NQR		130	
17:32	IW/VOL= 40mL		931	Other					
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			117		
08502	Q1334938		3269	1-Chlorooctadecane			NQR		
Comments:									
34	CCV	50	383	Gasoline		47.4	94.8		
Time:	UNITS= mg/L		304	Diesel Fuel					
18:11	IW/VOL=		931	Other					
Dil	FV=								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			104.8		
			3269	1-Chlorooctadecane			96.5		
Comments:									
35	CCV		383	Gasoline					
Time:	UNITS= mg/L	100	304	Diesel Fuel		107	107.0		
18:50	IW/VOL=		931	Other					
Dil	FV=								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			95.1		
			3269	1-Chlorooctadecane			99.4		
Comments:									
36	BLA 091		383	Gasoline		BDL		0.5	
Time:	UNITS= mg/L		304	Diesel Fuel		↓		1.3	
19:29	IW/VOL= 40mL		931	Other				2.5	
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			119.8		
BLA02	Q1338152		3269	1-Chlorooctadecane			129.9		
Comments:									

Reviewer [signature] 2-22-02

METHOD: 200 MATRIX: /

LIMS #

HYDROCARBON SCAN

SW846-8015A (MOD) BY GC/FID

RUN # 161 | Test O409.1 | Instr. 64 | Page 5 of 9

DATE 1-21-02 | Column # DB-5 | Ch 2 | Analyst JMM 1663

Run #	Sample #	T.V.	Part #	ANALYTE	Extract Conc.	RESULT	%REC	D.L.	RPD
37	LCS 328	5.0	383	Gasoline	89.7	4.49	89.8	0.5	
Time:	UNITS= mg/L		304	Diesel Fuel				1.3	
20:09	IW/VOL= 40mL		931	Other				2.5	
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			150.4		
LCS	Q1338153		3269	1-Chlorooctadecane			132.1		
Comments:									
38	A584991		383	Gasoline		BDL		0.5	
Time:	UNITS= mg/L		304	Diesel Fuel		↓		1.3	
20:48	IW/VOL= 40mL		931	Other				2.5	
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			125.1		
			3269	1-Chlorooctadecane			133.3		
Comments:									
39	A584991 MS	5.0	383	Gasoline	90.8	4.54	90.8	0.5	
Time:	UNITS= mg/L	5.0	304	Diesel Fuel					
21:28	IW/VOL= 40mL	[illegible]	931	Other					
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			144.2		
8/02	Q1338155		3269	1-Chlorooctadecane			131.3		
Comments:									
40	A584991 MSD	5.0	383	Gasoline	90.0	4.50	90.0	0.5	0.9
Time:	UNITS= mg/L		304	Diesel Fuel					
22:07	IW/VOL= 40mL		931	Other					
Dil	FV= 2mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			148.8		
DPS02	Q1338156		3269	1-Chlorooctadecane			132.2		
Comments:									

Reviewer [illegible] 2-22-02

5

METHOD: 200 MATRIX: S

LIMS #

HYDROCARBON SCAN
SW846-8015A (MOD) BY GC/FID

RUN # 161 | Test O409.1 | Instr. 64 | Page 6 of 9
DATE 1-21-02 | Column # DB-5 | Ch 2 | Analyst JMM 1663

Run#	Sample#	T.V.	Par.#	ANALYTE	Extract Conc.	RESULT	%REC	D.L.	RPD
41	CCV	50	383	Gasoline	49.0	49.0	98.0		
Time:	UNITS= mg/L		304	Diesel Fuel					
22:47	IW/VOL=		931	Other					
Dil	FV=								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			107.6		
			3269	1-Chlorooctadecane			97.4		
Comments:									
42	CCV		383	Gasoline					
Time:	UNITS= mg/L	100	304	Diesel Fuel		~~139~~ 105	~~139.0~~ 105.0		
23:26	IW/VOL=		931	Other					
Dil	FV=								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			96.9		
			3269	1-Chlorooctadecane			102.5		
Comments:									
43	BLA 740		383	Gasoline		BDL		10	
Time:	UNITS= mg/kg		304	Diesel Fuel		↓		25	
00:06	IW/VOL= 5.02g		931	Other				50	
Dil	FV= 5mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			127.6		
BLA 02	Q1338192		3269	1-Chlorooctadecane			136.3		
Comments:									
44	LCS 740		383	Gasoline				10	
Time:	UNITS= mg/kg	99.6	304	Diesel Fuel	109.1	108.7	109.1	25	
00:45	IW/VOL= 5.02g		931	Other				50	
Dil	FV= 5mL								
	Surrogates:		2361	1-Chloro-2-Fluorobenzene			126.0		
LCS	Q1338193		3269	1-Chlorooctadecane			135.8		
Comments:									

Begin 2-21-02

Reviewer [signature] 2-22-02

LCS 308

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Water Extractions

SW846-8015B, 8015B(Modified), 3510C, HLI2
GC-FID

TEST PREPPED FOR TPH H_2O

LIMS R428282

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	RUN	COMMENTS
BLA ~~307~~ 308	Q1338152	BLA02	P409.0	2-20-02	JMA 1663	40 mL	2 mL	JMA / 5997	FID A722 FID A721		
LCS ~~307~~ 308	Q1338153	LCS	↓	↓	↓	↓ mL	↓ mL	↓ / ↓	↓		40µL FID A700 (gas) @ 5000 ppm
DLCS	Q1338154	DLCS				mL	mL	/			
A584991	Q1338155	SPI02	P409.0	2-20-02	JMA 1663	40 mL	2 mL	JMA / 5997	FID A722 FID A721		40µL FID A700 (gas) @ 5000 ppm
↓	Q1338156	DPS02	↓	↓	↓	↓ mL	↓ mL	↓ / ↓	↓		
		BLA02				mL	mL	/			
		BLA02				mL	mL	/			
		BLA02				mL	mL	/			
A584991	AK27595		P409.0	2-20-02	JMA 1663	40 mL	2 mL	JMA / 5997	FID A722 FID A721		
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			
						mL	mL	/			

HECL2 lot# _____ PENTANE lot# _____

HS2 lot # 004474 ACETONE lot# _____

Page No: FID W- 1300

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID1A.CH
Acq On : 21 Feb 2002 17:32
Sample : FID A 712 L 4
Misc : CCV
IntFile : AUTOINT1.E

Vial: 34
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID2B.CH
Acq On : 21 Feb 2002 18:11
Sample : FID A 712 L 4
Misc : CCV
IntFile : EVENTS2.E

Vial: 34
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	L1,Agasoline(1)	658.235	672.076		-2.1	100	0.00
2	L1,Agasoline(2)	938.008	904.967		3.5	99	0.00
3	L1,Agasoline(3)	820.998	796.046		3.0	99	0.00
4	L1,Agasoline(4)	4.818	4.593	E3	4.7	96	0.00
5	L1,Agasoline(5)	3.657	3.554	E3	2.8	100	0.00
6	L1,Agasoline(6)	1.457	1.394	E3	4.3	95	0.00
7	L1,Agasoline(7)	1.810	1.825	E3	-0.8	113	0.00
8	L1,Agasoline(8)	635.427	583.689		8.1	89	0.00
9	L1,Agasoline(9)	882.838	867.762		1.7	88	0.00
10	L1,Agasoline(10)	224.712	216.020		3.9	88	0.00
61	S 1-chloro-2-fluorobenzene	36.666	39.078	E3	-6.6	106	0.00
62	S 1-chlorooctadecane	49.205	44.667	E3	9.2	92	0.00
63	S p-terphenyl	60.961	60.206	E3	1.2	96	0.00

$\bar{x}$=3.49

Signal #2

1	L1,Agasoline(1)	2.540	2.521	E3	0.7	95	-0.01
2	L1,Agasoline(2)	957.978	921.374		3.8	94	-0.01
3	L1,Agasoline(3)	790.188	745.599		5.6	93	-0.01
4	L1,Agasoline(4)	5.125	4.855	E3	5.3	94	-0.01
5	L1,Agasoline(5)	4.060	3.785	E3	6.8	94	0.00
6	L1,Agasoline(6)	1.604	1.494	E3	6.9	94	0.00
7	L1,Agasoline(7)	2.064	1.934	E3	6.3	94	0.00
8	L1,Agasoline(8)	717.642	670.843		6.5	94	0.00
9	L1,Agasoline(9)	2.244	2.100	E3	6.4	94	0.00
10	L1,Agasoline(10)	517.387	498.250		3.7	94	0.00
61	S 1-chloro-2-fluorobenzene	39.097	40.989	E3	-4.8	106	0.00
62	S 1-chlorooctadecane	47.990	46.324	E3	3.5	94	0.00
63	S p-terphenyl	51.386	53.154	E3	-3.4	97	0.00

$\bar{x}$= 5.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
161_17.D TPH.M Fri Feb 22 08:27:11 2002 GRO

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
51	L6,Ddiesel (1)	588.941	635.800		-8.0	106	0.00
52	L6,Ddiesel (2)	1.031	0.935	E3	9.3	88	0.00
53	L6,Ddiesel (3)	1.153	1.123	E3	2.6	93	0.00
54	L6,Ddiesel (4)	1.189	1.152	E3	3.1	95	0.00
55	L6,Ddiesel (5)	1.315	1.411	E3	-7.3	104	0.00
56	L6,Ddiesel (6)	1.039	1.236	E3	-19.0#	114	0.00
57	L6,Ddiesel (7)	1.079	1.092	E3	-1.2	100	0.00
58	L6,Ddiesel (8)	723.567	787.580		-8.8	107	0.00
59	L6,Ddiesel (9)	690.032	670.080		2.9	81	0.00
60	L6,Ddiesel (10)	359.019	352.380		1.8	90	0.00
61	S 1-chloro-2-fluorobenzene	36.666	35.804	E3	2.4	97	0.00
[illegible]	S 1-chlorooctadecane	49.205	50.079	E3	-1.8	103	0.00
[illegible]	S p-terphenyl	60.961	62.903	E3	-3.2	100	0.00

$\bar{x}$=6.4

Signal #2

51	L6,Ddiesel (1)	0.987	1.026	E3	-4.0	95	0.00
52	L6,Ddiesel (2)	1.478	1.474	E3	0.3	95	0.00
53	L6,Ddiesel (3)	1.592	1.633	E3	-2.6	97	0.00
54	L6,Ddiesel (4)	1.618	1.720	E3	-6.3	90	0.00
55	L6,Ddiesel (5)	1.735	1.907	E3	-9.9	97	0.00
56	L6,Ddiesel (6)	1.189	1.281	E3	-7.7	94	0.00
57	L6,Ddiesel (7)	891.320	961.881		-7.9	94	0.00
58	L6,Ddiesel (8)	735.707	784.958		-6.7	92	0.00
59	L6,Ddiesel (9)	550.465	615.404		-11.8	95	0.00
60	L6,Ddiesel (10)	371.015	414.452		-11.7	93	0.00
61	S 1-chloro-2-fluorobenzene	39.097	37.160	E3	5.0	96	0.00
62	S 1-chlorooctadecane	47.990	47.688	E3	0.6	96	0.00
63	S p-terphenyl	51.386	53.802	E3	-4.7	98	0.00

$\bar{x}$= ~~6.4~~ 6.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
161_17.D TPH.M Fri Feb 22 08:32:21 2002 GRO

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID1A.CH Vial: 41
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID2B.CH Vial: 41
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	L1,Agasoline(1)	658.235	673.726		-2.4	101	0.00
2	L1,Agasoline(2)	938.008	911.009		2.9	100	0.00
3	L1,Agasoline(3)	820.998	800.989		2.4	100	0.00
4	L1,Agasoline(4)	4.818	4.626	E3	4.0	96	0.00
5	L1,Agasoline(5)	3.657	3.425	E3	6.3	96	0.00
6	L1,Agasoline(6)	1.457	1.414	E3	3.0	96	0.00
7	L1,Agasoline(7)	1.810	1.646	E3	9.1	102	0.00
8	L1,Agasoline(8)	635.427	548.256		13.7	84	0.00
9	L1,Agasoline(9)	882.838	771.678		12.6	79	0.00
10	L1,Agasoline(10)	224.712	205.904		8.4	84	0.00
61	S 1-chloro-2-fluorobenzene	36.666	39.252	E3	-7.1	107	0.00
62	S 1-chlorooctadecane	49.205	45.313	E3	7.9	93	0.00
63	S p-terphenyl	60.961	60.101	E3	1.4	95	0.00

$\bar{x} = 6.48$

Signal #2

1	L1,Agasoline(1)	2.540	2.605	E3	-2.6	98	-0.01
2	L1,Agasoline(2)	957.978	956.400		0.2	98	-0.02
3	L1,Agasoline(3)	790.188	777.834		1.6	97	-0.02
4	L1,Agasoline(4)	5.125	5.021	E3	2.0	97	-0.02
5	L1,Agasoline(5)	4.060	3.890	E3	4.2	97	-0.01
6	L1,Agasoline(6)	1.604	1.540	E3	4.0	97	-0.01
7	L1,Agasoline(7)	2.064	1.998	E3	3.2	97	-0.01
8	L1,Agasoline(8)	717.642	694.227		3.3	97	0.00
9	L1,Agasoline(9)	2.244	2.167	E3	3.4	97	0.00
10	L1,Agasoline(10)	517.387	516.475		0.2	97	0.00
61	S 1-chloro-2-fluorobenzene	39.097	42.075	E3	-7.6	109	-0.01
62	S 1-chlorooctadecane	47.990	46.719	E3	2.6	95	0.00
63	S p-terphenyl	51.386	51.824	E3	-0.9	95	0.00

$\bar{x} = 2.47$

(#) = Out of Range SPCC's out = 0 CCC's out = 0
161_17.D TPH.M Fri Feb 22 08:50:12 2002 GRO

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
51	L6,Ddiesel (1)	588.941	636.720		-8.1	107	0.00
52	L6,Ddiesel (2)	1.031	0.982	E3	4.8	92	0.00
53	L6,Ddiesel (3)	1.153	1.255	E3	-8.8	104	0.00
54	L6,Ddiesel (4)	1.189	1.279	E3	-7.6	105	0.00
55	L6,Ddiesel (5)	1.315	1.417	E3	-7.8	104	0.00
56	L6,Ddiesel (6)	1.039	1.064	E3	-2.4	98	0.00
57	L6,Ddiesel (7)	1.079	0.970	E3	10.1	89	0.00
58	L6,Ddiesel (8)	723.567	823.973		-13.9	112	0.00
59	L6,Ddiesel (9)	690.032	772.497		-12.0	94	0.00
60	L6,Ddiesel (10)	359.019	380.876		-6.1	97	0.00
61	S 1-chloro-2-fluorobenzene	36.666	34.674	E3	5.4	94	-0.02
[illegible]	S 1-chlorooctadecane	49.205	47.511	E3	3.4	97	0.00
[illegible]	S p-terphenyl	60.961	60.929	E3	0.1	97	0.00

$\bar{x}$ = 8.16

Signal #2

51	L6,Ddiesel (1)	0.987	0.943	E3	4.5	88	0.00
52	L6,Ddiesel (2)	1.478	1.466	E3	0.8	95	0.00
53	L6,Ddiesel (3)	1.592	1.697	E3	-6.6	101	0.00
54	L6,Ddiesel (4)	1.618	1.632	E3	-0.9	85	0.00
55	L6,Ddiesel (5)	1.735	1.889	E3	-8.9	96	0.00
56	L6,Ddiesel (6)	1.189	1.323	E3	-11.3	97	0.00
57	L6,Ddiesel (7)	891.320	947.180		-6.3	93	0.00
58	L6,Ddiesel (8)	735.707	798.071		-8.5	93	0.00
59	L6,Ddiesel (9)	550.465	572.840		-4.1	88	0.00
60	L6,Ddiesel (10)	371.015	391.880		-5.6	88	0.00
61	S 1-chloro-2-fluorobenzene	39.097	37.894	E3	3.1	98	0.00
62	S 1-chlorooctadecane	47.990	49.204	E3	-2.5	100	0.00
63	S p-terphenyl	51.386	52.634	E3	-2.4	96	0.00

$\bar{x}$ = 5.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
161_17.D TPH.M Fri Feb 22 08:57:03 2002 GRO

Response Factor Report GC/FID In

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002

Calibration Files
high =161_19.D int2 =161_18.D med =161_17.D
int1 =161_16.D low =161_15.D

Compound	high	int2	med	int1	low	Avg		%RSD
1) L1,Agasoline(1)	6.799	6.079	6.702	6.361	6.971	6.582	E2	5.45
2) L1,Agasoline(2)	9.161	9.577	9.108	9.990	9.065	9.380	E2	4.24
3) L1,Agasoline(3)	8.091	8.339	8.020	8.481	8.119	8.210	E2	2.35
4) L1,Agasoline(4)	4.699	4.880	4.801	4.986	4.726	4.818	E3	2.43
5) L1,Agasoline(5)	3.604	3.714	3.571	3.705	3.691	3.657	E3	1.77
6) L1,Agasoline(6)	1.446	1.491	1.468	1.490	1.390	1.457	E3	2.86
7) L1,Agasoline(7)	2.014	1.838	1.613	1.912	1.675	1.810	E3	9.16
8) L1,Agasoline(8)	6.525	5.991	6.560	6.184	6.512	6.354	E2	3.99
9) L1,Agasoline(9)	8.269	9.659	9.819	8.347	8.048	8.828	E2	9.52
10) L1,Agasoline(10)	2.168	2.394	2.444	2.136	2.093	2.247	E2	7.12
	$\bar{x}$= 5.278	5.396	5.411	5.359	5.229	5.334		4.89
51) L6,Ddiesel (1)	6.608	6.246	5.976	5.861	4.757	5.889	E2	11.81
52) L6,Ddiesel (2)	1.149	1.057	1.065	1.052	0.833	1.031	E3	11.43
53) L6,Ddiesel (3)	1.231	1.148	1.203	1.182	0.999	1.153	E3	7.89
54) L6,Ddiesel (4)	1.253	1.180	1.214	1.228	1.069	1.189	E3	6.05
55) L6,Ddiesel (5)	1.348	1.300	1.363	1.366	1.198	1.315	E3	5.35
56) L6,Ddiesel (6)	1.052	1.071	1.082	1.052	0.938	1.039	E3	5.56
57) L6,Ddiesel (7)	1.288	1.030	1.094	1.042	0.938	1.079	E3	12.05
58) L6,Ddiesel (8)	7.942	7.594	7.385	7.060	6.197	7.236	E2	9.16
59) L6,Ddiesel (9)	7.571	6.921	8.237	6.318	5.454	6.900	E2	15.65
60) L6,Ddiesel (10)	3.859	3.790	3.918	3.501	2.883	3.590	E2	11.88
	$\bar{x}$= 3.330	3.134	3.254	2.966	2.522	3.042		9.68
61) S 1-chloro-2-fluorobenz	3.630	3.651	3.679	3.624	3.750	3.667	E4	1.40
62) S 1-chlorooctadecane	4.981	5.158	4.880	4.787	4.797	4.920	E4	3.13
63) S p-terphenyl	6.202	6.324	6.295	5.875	5.785	6.096	E4	4.09
64) L7,Omotor oil (1)	6.604	6.399	6.076	4.784	6.410	6.055	E1	12.14
65) L7,Omotor oil (2)	1.043	1.032	1.012	1.260	1.389	1.147	E2	14.71
66) L7,Omotor oil (3)	1.217	1.212	1.519	1.206	1.422	1.315	E2	11.09
67) L7,Omotor oil (4)	2.982	2.934	2.929	2.958	4.929	3.346	E2	26.44
68) L7,Omotor oil (5)	5.160	5.412	5.364	5.541	5.485	5.392	E2	2.72
69) L7,Omotor oil (6)	5.264	5.675	5.484	5.907	5.983	5.662	E2	5.25
70) L7,Omotor oil (7)	8.861	6.964	6.678	7.472	9.208	7.837	E2	14.50
71) L7,Omotor oil (8)	1.259	1.183	1.213	1.309	1.445	1.282	E3	8.02
72) L7,Omotor oil (9)	0.684	0.875	1.038	0.770	1.157	0.905	E3	21.35
73) L7,Omotor oil (10)	6.008	6.752	6.751	8.180	7.600	7.058	E2	11.94
	$\bar{x}$= 3.908	3.844	3.806	3.939	4.503	4.000		12.82

Signal #2 Calibration Files
high =161_19.D int2 =161_18.D med =161_17.D
int1 =161_16.D low =161_15.D

Compound	high	int2	med	int1	low	Avg		%RSD
1) L1,Agasoline(1)	2.078	2.665	2.653	2.714	2.588	2.540	E3	10.31
2) L1,Agasoline(2)	9.636	9.911	9.783	9.510	9.060	9.580	E2	3.42
3) L1,Agasoline(3)	8.112	8.187	7.992	7.767	7.452	7.902	E2	3.77
4) L1,Agasoline(4)	5.031	5.099	5.156	5.145	5.196	5.125	E3	1.23
5) L1,Agasoline(5)	4.045	4.103	4.027	4.012	4.111	4.060	E3	1.11
6) L1,Agasoline(6)	1.591	1.616	1.588	1.591	1.636	1.604	E3	1.30
7) L1,Agasoline(7)	2.083	2.058	2.061	2.043	2.075	2.064	E3	0.75
8) L1,Agasoline(8)	7.261	7.174	7.155	7.105	7.186	7.176	E2	0.79
9) L1,Agasoline(9)	2.232	2.243	2.237	2.203	2.306	2.244	E3	1.69
10) L1,Agasoline(10)	5.436	5.340	5.326	5.189	4.578	5.174	E2	6.66
	$\bar{x}$= 4.751	4.812	4.798	4.728	4.619	4.747		3.10
51) L6,Ddiesel (1)	1.005	1.001	1.078	0.936	0.916	0.987	E3	6.49
52) L6,Ddiesel (2)	1.557	1.564	1.549	1.433	1.288	1.478	E3	8.05
53) L6,Ddiesel (3)	1.609	1.607	1.682	1.554	1.507	1.592	E3	4.12
54) L6,Ddiesel (4)	1.673	1.763	1.912	1.385	1.357	1.618	E3	14.92
55) L6,Ddiesel (5)	1.841	1.843	1.976	1.502	1.512	1.735	E3	12.40
56) L6,Ddiesel (6)	1.255	1.266	1.364	1.063	0.998	1.189	E3	12.83
57) L6,Ddiesel (7)	0.948	0.936	1.021	0.807	0.744	0.891	E3	12.65
58) L6,Ddiesel (8)	7.578	8.519	8.566	6.332	5.791	7.357	E2	17.15
59) L6,Ddiesel (9)	6.019	5.802	6.512	4.740	4.449	5.505	E2	15.90
60) L6,Ddiesel (10)	4.135	4.371	4.443	2.869	2.732	3.710	E2	22.63

61)	S	1-chloro-2-fluorobenz	3.877	3.906	3.871	3.878	4.017	3.910	E4	1.57
62)	S	1-chlorooctadecane	4.438	4.738	4.943	4.912	4.965	4.799	E4	4.60
63)	S	p-terphenyl	4.844	5.089	5.468	5.153	5.140	5.139	E4	4.33
64)	L7,Omotor oil (1)		4.466	4.581	4.297	4.579	4.522	4.489	E1	2.61
65)	L7,Omotor oil (2)		7.619	7.910	7.747	9.162	9.450	8.377	E1	10.26
[illegible]	L7,Omotor oil (3)		1.303	1.428	1.421	1.550	1.425	1.425	E2	6.13
[illegible]	L7,Omotor oil (4)		1.183	1.825	1.404	1.625	1.506	1.509	E2	15.92
68)	L7,Omotor oil (5)		2.153	2.602	2.086	2.345	2.453	2.328	E2	9.12
69)	L7,Omotor oil (6)		1.812	1.417	1.526	2.033	2.577	1.873	E2	24.67
70)	L7,Omotor oil (7)		1.190	1.275	1.467	1.735	1.899	1.513	E2	19.87
71)	L7,Omotor oil (8)		2.143	1.886	2.509	1.918	2.613	2.214	E2	15.09
72)	L7,Omotor oil (9)		1.571	1.718	1.553	1.668	1.760	1.654	E2	5.45
73)	L7,Omotor oil (10)		1.154	1.277	0.962	1.046	1.181	1.124	E2	10.88

(#) = Out of Range $\bar{x}$= 2.459 2.592 2.447 2.766 2.939 2.651 12.0

TPH.M Fri Feb 22 10:17:50 2002 GRO

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID1A.CH Vial: 2
Acq On : 20 Feb 2002 17:29 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID2B.CH Vial: 2
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:03 2002 Quant Results File: PCSTPH.RES

Quant Method : C:\HPCHEM\3\METHODS\PCSTPH.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 22 07:03:32 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	Target Compounds						
1)	C-6	1.78	1.86	364146	384579	6.000	6.000
2)	C-7	2.38	2.51	593876	633351	6.000	6.000
3)	toluene	3.39	3.49	61051	56928	1.000	1.000
4)	C-8	4.03	4.32	842930	896186	8.000	8.000
5)	ethylbenzene	5.84	5.99	56298	58144	1.000	1.000
6)	m-xylene	6.18	6.18	110775	115617	1.000	1.000
7)	o-xylene	6.63	6.65	51948	58596	1.000	1.000
8)	C-9	6.69	6.88	877815	928629	8.000	8.000
9)	C-10	8.27	8.40	1319629	1403691	12.000	12.000
10)	C-11	9.43	9.52	1334275	1416450	12.000	12.000
11)	C-12	10.36	10.45	1332638	1407781	12.000	12.000
12)	C-14	11.94	12.02	1004190	1392190	12.000	12.000
13)	C-16	13.29	13.37	1123148	1169063	10.000	10.000
14)	C-18	14.49	14.57	569736	600273	5.000	5.000
15)	C-20	15.58	15.66	226662	230819	2.000	2.000
16)	C-24	17.52	17.60	217061	109779	2.000	2.000
17)	C-28	19.92	20.09	108052	13439	1.000	1.000
18)	C-32	24.72	25.19	89442	9740	1.000	1.000
19)	C-36	0.00	0.00	0	0	N.D.	N.D.

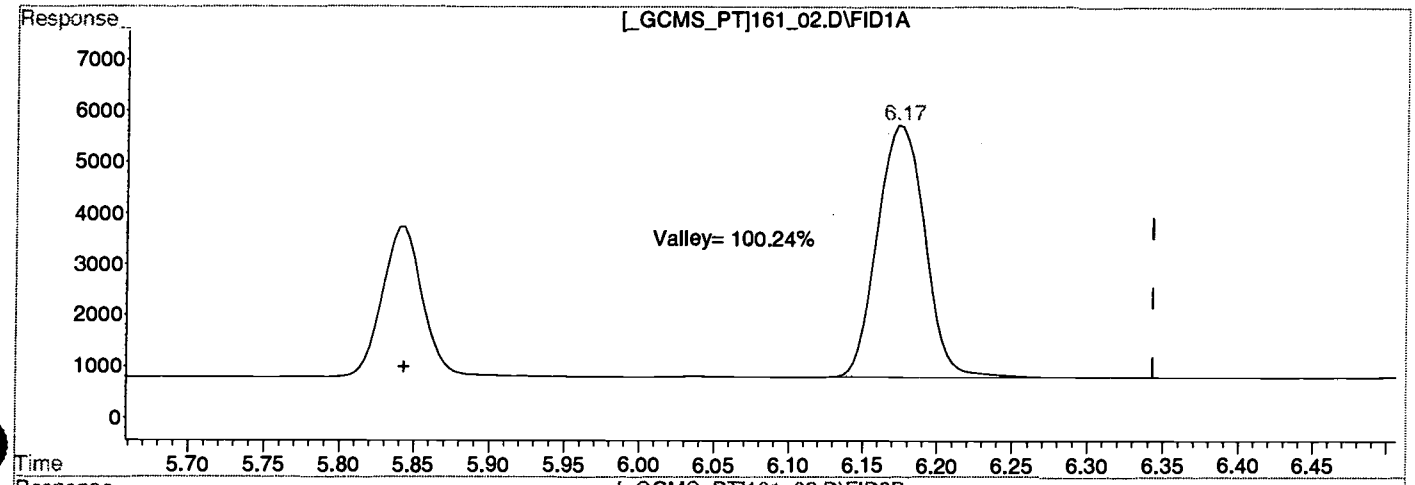
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

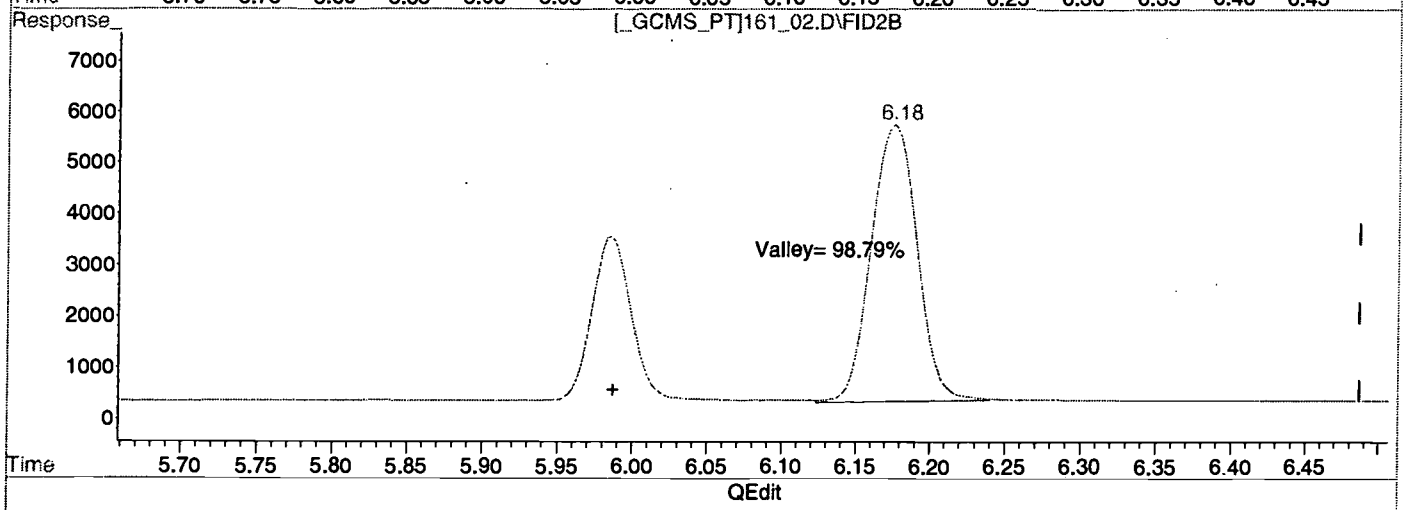
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID1A.CH Vial: 2
Acq On : 20 Feb 2002 17:29 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID2B.CH Vial: 2
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:03 2002 Quant Results File: PCSTPH.RES

Method : C:\HPCHEM\3\METHODS\PCSTPH.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 22 07:03:32 2002
Response via : Multiple Level Calibration





(5) ethylbenzene

5.84min 1.000

response 56298

(5) ethylbenzene #2

5.99min 1.000

response 58144

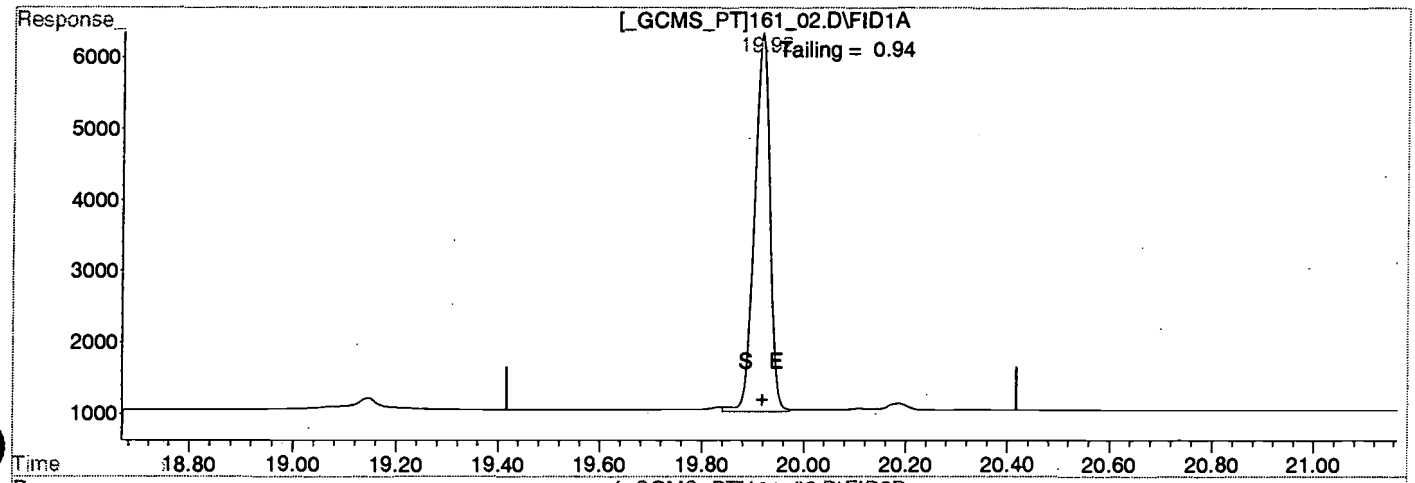
(+) = Expected Retention Time

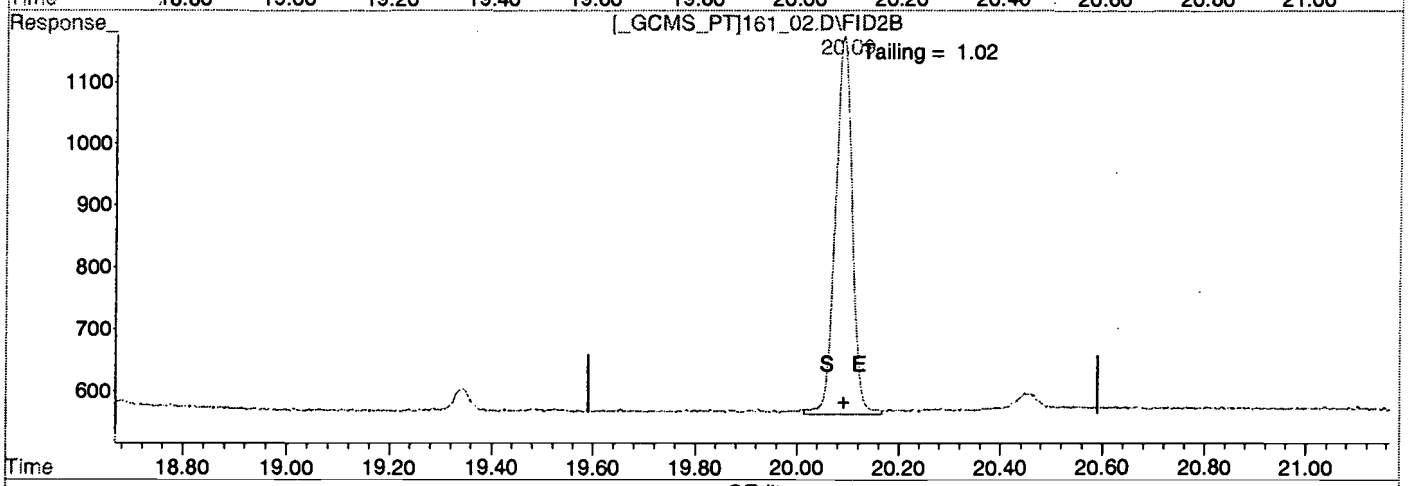
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID1A.CH Vial: 2
Acq On : 20 Feb 2002 17:29 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID2B.CH Vial: 2
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A718 Inst : GC/FID In
Misc : PCS Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:03 2002 Quant Results File: PCSTPH.RES

Method : C:\HPCHEM\3\METHODS\PCSTPH.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 22 07:03:32 2002
Response via : Multiple Level Calibration





(17) C-28

19.92min 1.000

response 108052

(17) C-28 #2

20.09min 1.000

response 13439

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID1A.CH
Acq On : 20 Feb 2002 17:29
Sample : FID A718
Misc : PCS
IntFile : AUTOINT1.E

Vial: 2
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Data File : C:\HPCHEM\3\DATA\161\161_02.D\FID2B.CH
Acq On : 20 Feb 2002 18:09
Sample : FID A718
Misc : PCS
IntFile : EVENTS2.E

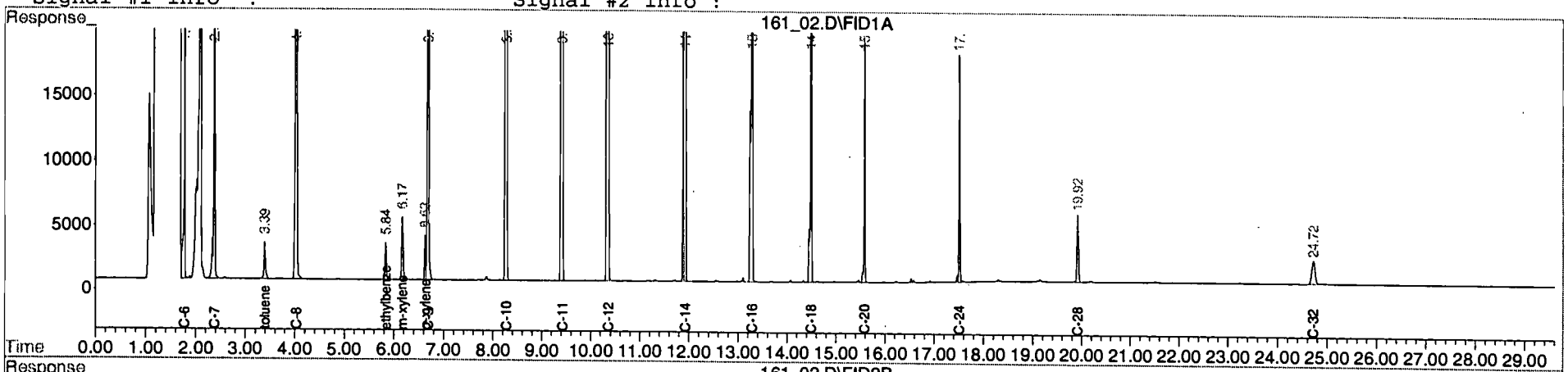
Vial: 2
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

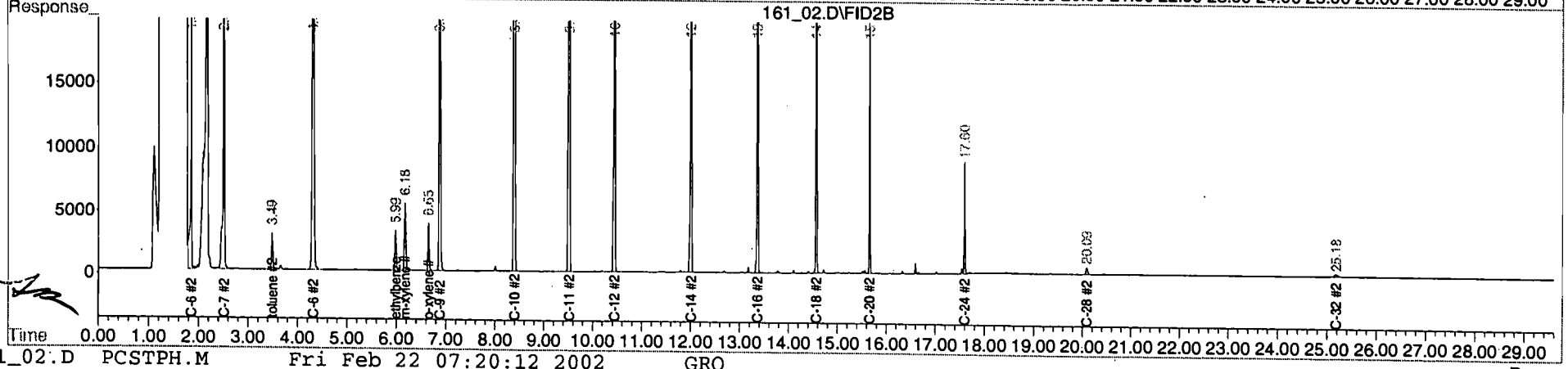
Quant Time: Feb 22 7:03 2002 Quant Results File: PCSTPH.RES

Quant Method : C:\HPCHEM\3\METHODS\PCSTPH.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 22 07:03:32 2002
Response via : Single Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID1A.CH Vial: 3
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID2B.CH Vial: 3
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:57 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	42562	45911	1.161	1.174
Spiked Amount 10.000 Range 50 - 150 Recovery =					11.61%#	11.74%#
62) S 1-chlorooctadeca	16.06	16.13	101607	103606	2.065	2.159
Spiked Amount 20.000 Range 50 - 150 Recovery =					10.32%#	10.79%#
63) S p-terphenyl	16.75	16.80	591952	519144	9.710	10.103
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.10%	101.03%
Target Compounds						
1) L1,A gasoline(1)	2.38	2.38	3099	13592	4.708	5.352
2) L1,A gasoline(2)	3.01	3.18	4803	4821	5.120	5.032
3) L1,A gasoline(3)	3.08	3.25	4215	3804	5.133	4.814
4) L1,A gasoline(4)	3.39	3.48	26827	26814	5.568	5.232
5) L1,A gasoline(5)	6.17	6.17	18999	20948	5.195	5.160
6) L1,A gasoline(6)	6.64	6.65	7067	8379	4.851	5.223
7) L1,A gasoline(7)	7.79	7.84	10840	10518	7.695	5.096 #
8) L1,A gasoline(8)	7.98	7.93	40	3791	0.095	5.282 #
9) L1,A gasoline(9)	8.31	8.28	4818	11391	5.458	5.076
10) L1,A gasoline(10)	8.68	8.65	1550	2953	6.899	5.708
Sum gasoline(1)			82258	107012	50.722	51.976
Average gasoline(1)					5.072	5.198
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.01	0.00	4803	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	6.65	0	8379	N.D.	NoCal
16) L2,J JP-4 (6)	8.68	0.00	1550	0	NoCal	N.D.
17) L2,J JP-4 (7)	9.77	0.00	879	0	NoCal	N.D.
18) L2,J JP-4 (8)	10.71	0.00	404	0	NoCal	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.01	0.00	824	0	NoCal	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	8.65	0	2953	N.D.	NoCal
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	10.48	0.00	330	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID1A.CH Vial: 3
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID2B.CH Vial: 3
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:57 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.	
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.	
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.	
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.	
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.	
38) L4,X SC-150 (8)	10.21	0.00	387	0	NoCal	N.D.	
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.	
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.	
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.	
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.	
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.	
46) L5,K kerosene (6)	11.32	0.00	2021	0	NoCal	N.D.	
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.	
48) L5,K kerosene (8)	12.55	0.00	1535	0	NoCal	N.D.	
49) L5,K kerosene (9)	0.00	12.69	0	4299	N.D.	NoCal	
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.	
52) L6,D diesel (2)	10.37	0.00	1231	0	1.063	N.D.	#
53) L6,D diesel (3)	0.00	0.00	0	0	N.D.	N.D.	
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.	
55) L6,D diesel (5)	0.00	12.69	0	4299	N.D.	2.478	#
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.	
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.	
58) L6,D diesel (8)	14.49	14.57	280	242	0.365	0.329	
59) L6,D diesel (9)	15.04	15.14	1524	2549	2.064	4.631	#
60) L6,D diesel (10)	15.58	15.66	382	941	1.064	2.536	#
Sum diesel (1)			3418	8031	4.556	9.974	
Average diesel (1)					1.139	2.494	
64) L7,O motor oil (1)	14.49	14.57	280	242	4.624	5.386	
65) L7,O motor oil (2)	15.04	15.14	1524	2549	13.287	30.432	#
66) L7,O motor oil (3)	15.58	15.66	382	941	2.904	6.601	#
67) L7,O motor oil (4)	16.29	0.00	304	0	0.909	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID1A.CH Vial: 3
Acq On : 20 Feb 2002 18:09 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID2B.CH Vial: 3
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 1 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:57 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.23	0.00	219	0	0.406	N.D.	#
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	18.18	0.00	888	0	1.133	N.D.	#
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.41	0.00	182	0	0.201	N.D.	#
73) L7,O motor oil (10)	20.19	0.00	3922	0	5.556	N.D.	#
Sum motor oil (1)			7701	3732	29.020	42.420	
Average motor oil (1)					3.627	14.140	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID1A.CH
Acq On : 20 Feb 2002 18:09
Sample : FID A702 L 1
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 3
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

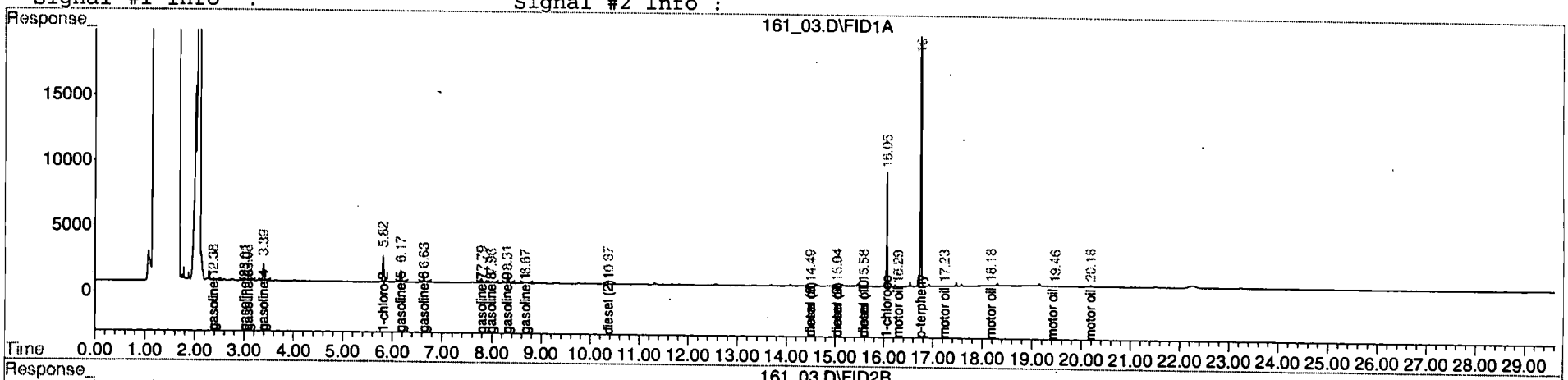
Data File : C:\HPCHEM\3\DATA\161\161_03.D\FID2B.CH
Acq On : 20 Feb 2002 18:49
Sample : FID A702 L 1
Misc : MIX [S,A]
IntFile : EVENTS2.E

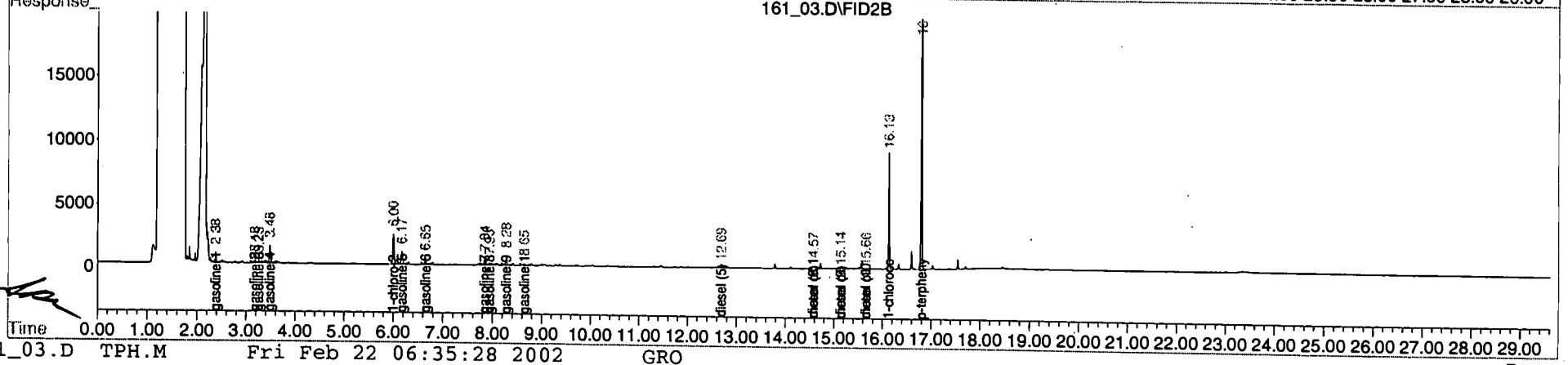
Vial: 3
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 6:57 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID1A.CH Vial: 4
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID2B.CH Vial: 4
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:03 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	84662	91311	2.309	2.336
Spiked Amount 10.000 Range 50 - 150 Recovery =					23.09%#	23.36%#
62) S 1-chlorooctadeca	16.06	16.13	197014	202938	4.004	4.229
Spiked Amount 20.000 Range 50 - 150 Recovery =					20.02%#	21.15%#
63) S p-terphenyl	16.75	16.80	592602	519350	9.721	10.107
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.21%	101.07%
Target Compounds						
1) L1,A gasoline(1)	2.38	2.38	6971	25877	10.590	10.189
2) L1,A gasoline(2)	3.01	3.18	9065	9060	9.664	9.457
3) L1,A gasoline(3)	3.08	3.26	8119	7452	9.889	9.430
4) L1,A gasoline(4)	3.39	3.48	47263	51964	9.809	10.139
5) L1,A gasoline(5)	6.17	6.17	36913	41109	10.094	10.127
6) L1,A gasoline(6)	6.64	6.65	13901	16355	9.542	10.195
7) L1,A gasoline(7)	7.79	7.83	16748	20750	11.888m	10.053
8) L1,A gasoline(8)	8.01	7.93	6512	7186	15.610m	10.014 #
9) L1,A gasoline(9)	8.31	8.28	8048	23060	9.116	10.276
10) L1,A gasoline(10)	8.65	8.65	2093	4578	9.315	8.849
Sum gasoline(1)			155632	207392	105.516	98.729
Average gasoline(1)					10.552	9.873
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D. d	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID1A.CH Vial: 4
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID2B.CH Vial: 4
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:03 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D.
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D.
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D.
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D.
59) L6,D diesel (9)	0.00	0.00	0	0	N.D.	N.D.
60) L6,D diesel (10)	0.00	0.00	0	0	N.D.	N.D.
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D.
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D.	N.D.
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D.	N.D.
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D.

(f)-RT Delta > 1/2 Window (#)-Amounts differ by > 25% (m)-manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID1A.CH Vial: 4
Acq On : 20 Feb 2002 18:49 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID2B.CH Vial: 4
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 2 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:03 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D. d
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID1A.CH
Acq On : 20 Feb 2002 18:49
Sample : FID A702 L 2
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 4
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

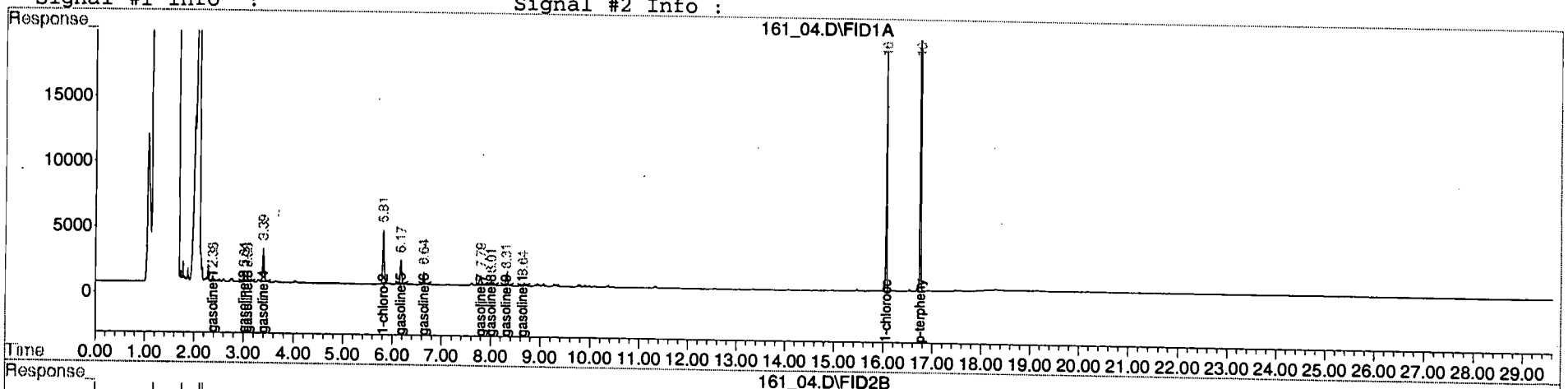
Data File : C:\HPCHEM\3\DATA\161\161_04.D\FID2B.CH
Acq On : 20 Feb 2002 19:29
Sample : FID A702 L 2
Misc : MIX [S,A]
IntFile : EVENTS2.E

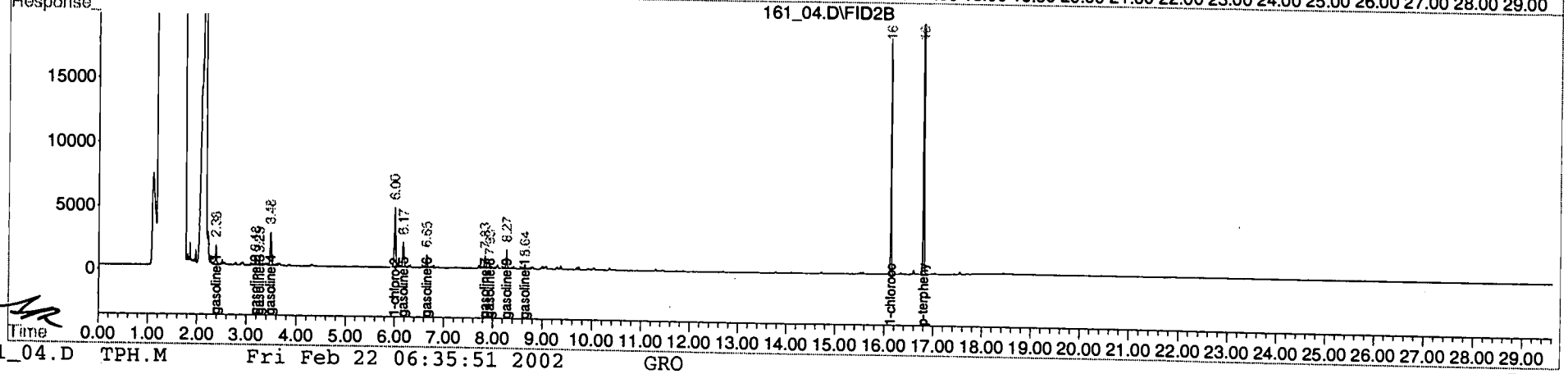
Vial: 4
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:03 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





25

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID1A.CH Vial: 5
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID2B.CH Vial: 5
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	207155	217113	5.650	5.553
Spiked Amount 10.000 Range 50 - 150 Recovery =					56.50%	55.53%
62) S 1-chlorooctadeca	16.06	16.13	472347	480106	9.600	10.004
Spiked Amount 20.000 Range 50 - 150 Recovery =					48.00%#	50.02%
63) S p-terphenyl	16.75	16.80	586408	508030	9.619	9.887
Spiked Amount 10.000 Range 50 - 150 Recovery =					96.19%	98.87%
Target Compounds						
1) L1,A gasoline(1)	2.38	2.38	15903	67855	24.160	26.719
2) L1,A gasoline(2)	3.01	3.18	24974	23775	26.625	24.818
3) L1,A gasoline(3)	3.08	3.25	21204	19419	25.827	24.575
4) L1,A gasoline(4)	3.39	3.48	124640	128621	25.868	25.095
5) L1,A gasoline(5)	6.17	6.17	92618	100299	25.326	24.707
6) L1,A gasoline(6)	6.63	6.65	37241	39780	25.562	24.797
7) L1,A gasoline(7)	7.79	7.84	47812	51081	33.939	24.748 #
8) L1,A gasoline(8)	8.00	7.94	15461	17763	37.062	24.752 #
9) L1,A gasoline(9)	8.31	8.28	20868	55078	23.638	24.544
10) L1,A gasoline(10)	8.65	8.65	5341	12972	23.768	25.072
Sum gasoline(1)			406063	516644	271.774	249.827
Average gasoline(1)					27.177	24.983
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D. d	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D. d
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(d)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID1A.CH Vial: 5
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID2B.CH Vial: 5
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D. d
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D. d
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D.
60) L6,D diesel (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D.
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D.	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID1A.CH Vial: 5
Acq On : 20 Feb 2002 19:29 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID2B.CH Vial: 5
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A702 L 3 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID1A.CH
Acq On : 20 Feb 2002 19:29
Sample : FID A702 L 3
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 5
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

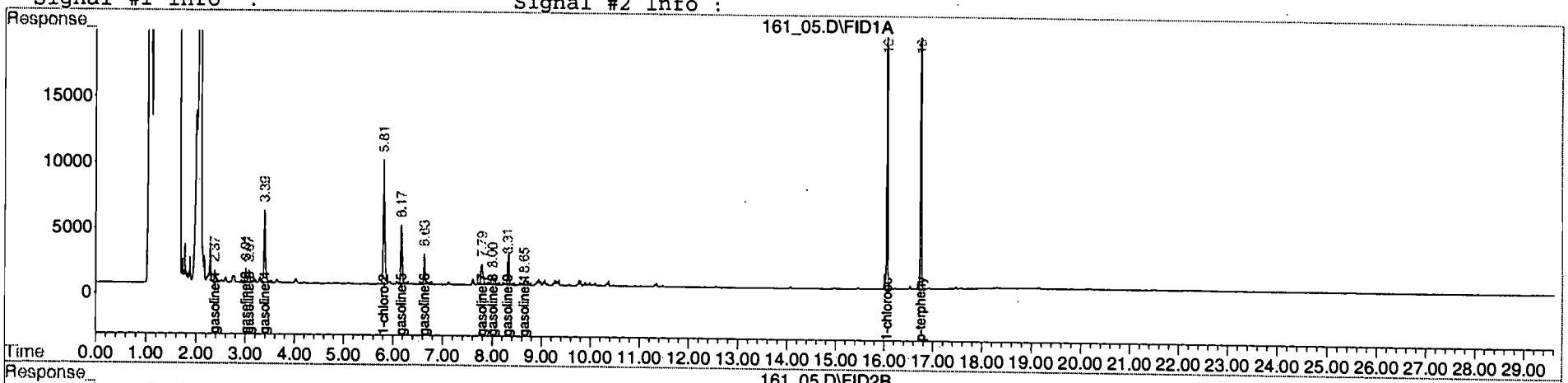
Data File : C:\HPCHEM\3\DATA\161\161_05.D\FID2B.CH
Acq On : 20 Feb 2002 20:08
Sample : FID A702 L 3
Misc : MIX [S,A]
IntFile : EVENTS2.E

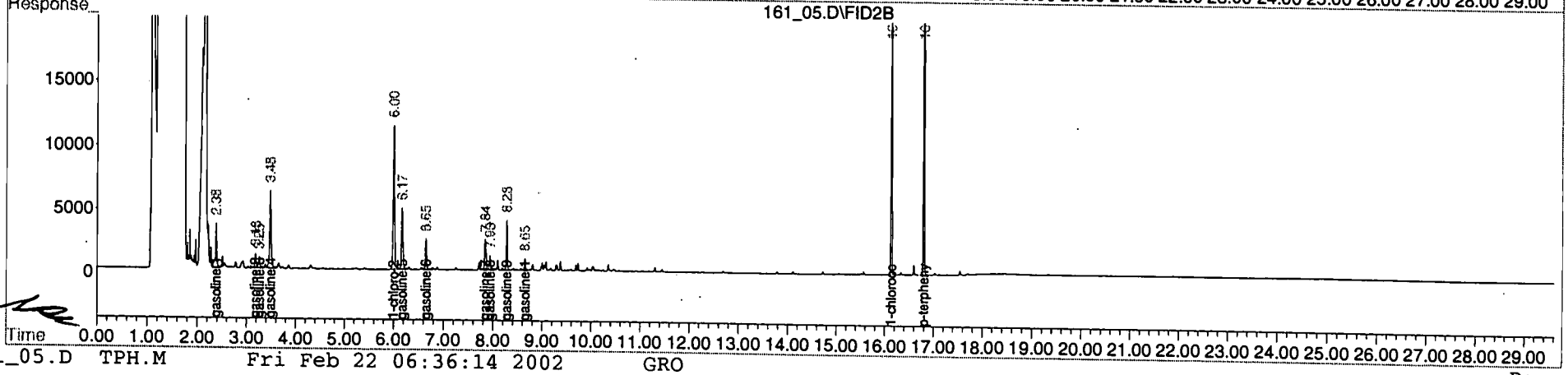
Vial: 5
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID1A.CH Vial: 6
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID2B.CH Vial: 6
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:06 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	409806	435804	11.177	11.147
Spiked Amount 10.000 Range 50 - 150 Recovery =					111.77%	111.47%
62) S 1-chlorooctadeca	16.06	16.13	937034	973150	19.044	20.278
Spiked Amount 20.000 Range 50 - 150 Recovery =					95.22%	101.39%
63) S p-terphenyl	16.75	16.80	624795	542093	10.249	10.549
Spiked Amount 10.000 Range 50 - 150 Recovery =					102.49%	105.49%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	33509	132657	50.908	52.236
2) L1,A gasoline(2)	3.01	3.18	45538	48913	48.548	51.058
3) L1,A gasoline(3)	3.07	3.25	40101	39958	48.844	50.568
4) L1,A gasoline(4)	3.39	3.48	240028	257800	49.816	50.299
5) L1,A gasoline(5)	6.17	6.17	178549	201337	48.823	49.596
6) L1,A gasoline(6)	6.63	6.65	73407	79379	50.387	49.481
7) L1,A gasoline(7)	7.79	7.83	80640	103045	57.241m	49.924
8) L1,A gasoline(8)	8.00	7.93	32798	35775	78.621m	49.851 #
9) L1,A gasoline(9)	8.31	8.28	49096	111835	55.612	49.836
10) L1,A gasoline(10)	8.65	8.64	12218	26632	54.373	51.474
Sum gasoline(1)			785885	1037331	543.173	504.323
Average gasoline(1)					54.317	50.432
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D. d	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D. d
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID1A.CH Vial: 6
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID2B.CH Vial: 6
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:06 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D. d	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D. d
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D. d
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D. d
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D.
60) L6,D diesel (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D.
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D.	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D.

(d) RT Delta > 1/2 Window (#) amounts differ by > 25% (m) manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID1A.CH Vial: 6
Acq On : 20 Feb 2002 20:08 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID2B.CH Vial: 6
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A712 L 4 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:06 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID1A.CH
Acq On : 20 Feb 2002 20:08
Sample : FID A712 L 4
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 6
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

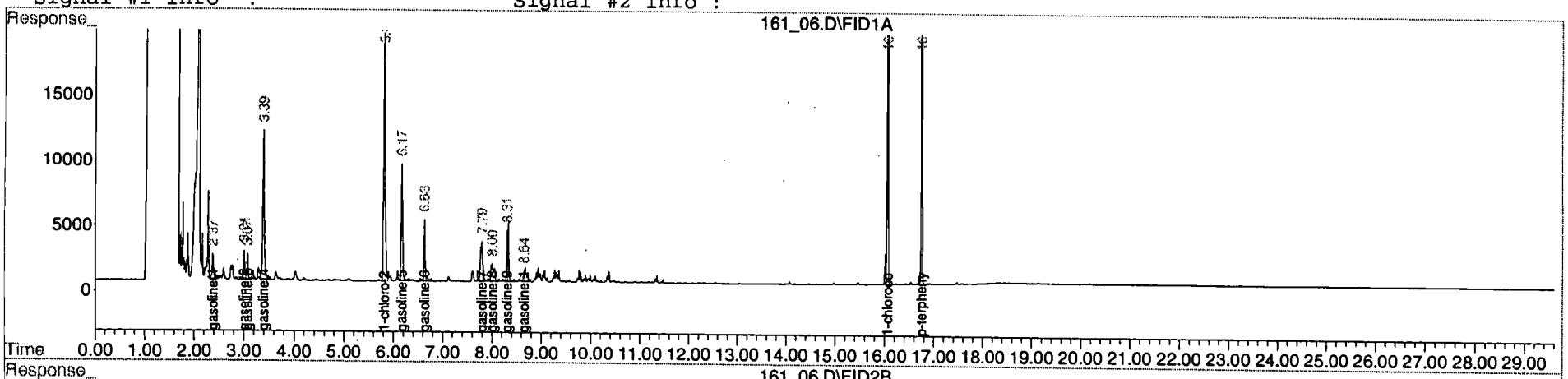
Data File : C:\HPCHEM\3\DATA\161\161_06.D\FID2B.CH
Acq On : 20 Feb 2002 20:48
Sample : FID A712 L 4
Misc : MIX [S,A]
IntFile : EVENTS2.E

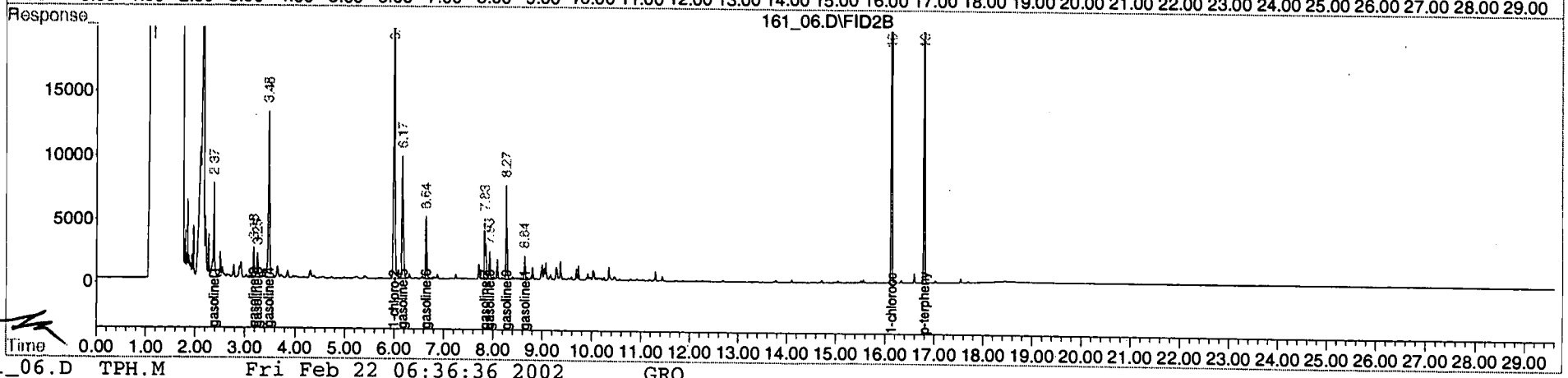
Vial: 6
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:06 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





33

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID1A.CH Vial: 7
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID2B.CH Vial: 7
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:05 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	650416	693514	17.739	17.738
Spiked Amount 10.000 Range 50 - 150 Recovery =					177.39%#	177.38%#
62) S 1-chlorooctadeca	16.07	16.14	1409046	1434645	28.636	29.895
Spiked Amount 20.000 Range 50 - 150 Recovery =					143.18%	149.47%
63) S p-terphenyl	16.75	16.80	592301	515574	9.716	10.033
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.16%	100.33%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.37	60789	266473	92.352	104.928
2) L1,A gasoline(2)	3.01	3.17	95774	99105	102.104	103.453
3) L1,A gasoline(3)	3.07	3.25	83386	81867	101.567	103.605
4) L1,A gasoline(4)	3.39	3.47	487986	509867	101.278	99.479
5) L1,A gasoline(5)	6.17	6.17	371384	410303	101.553	101.070
6) L1,A gasoline(6)	6.63	6.64	149084	161598	102.332	100.733
7) L1,A gasoline(7)	7.79	7.84	183769	205819	130.446	99.716
8) L1,A gasoline(8)	8.00	7.93	59906	71742	143.602m	99.969 #
9) L1,A gasoline(9)	8.31	8.28	96586	224284	109.404	99.947
10) L1,A gasoline(10)	8.65	8.65	23941	53397	106.543	103.206
Sum gasoline(1)			1612605	2084457	1091.179	1016.106
Average gasoline(1)					109.118	101.611
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D. d
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D. d	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D. d	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D. d
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID1A.CH Vial: 7
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID2B.CH Vial: 7
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:05 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D. d	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D. d
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D. d
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D. d	N.D. d
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D. d
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D. d
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D.
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID1A.CH Vial: 7
Acq On : 20 Feb 2002 20:48 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID2B.CH Vial: 7
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 5 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:05 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D.	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID1A.CH
Acq On : 20 Feb 2002 20:48
Sample : FID A702 L 5
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 7
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Data File : C:\HPCHEM\3\DATA\161\161_07.D\FID2B.CH
Acq On : 20 Feb 2002 21:27
Sample : FID A702 L 5
Misc : MIX [S,A]
IntFile : EVENTS2.E

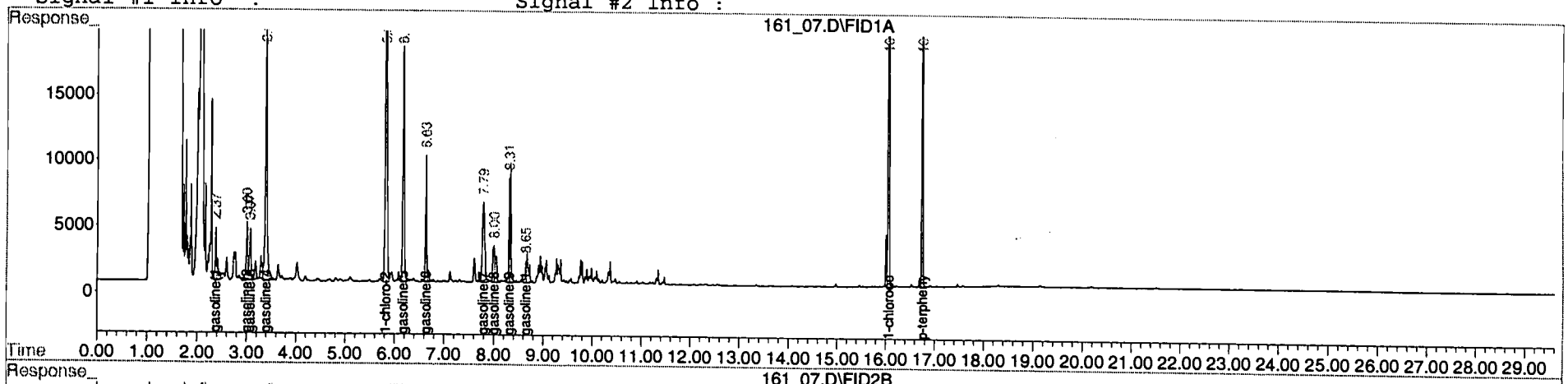
Vial: 7
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

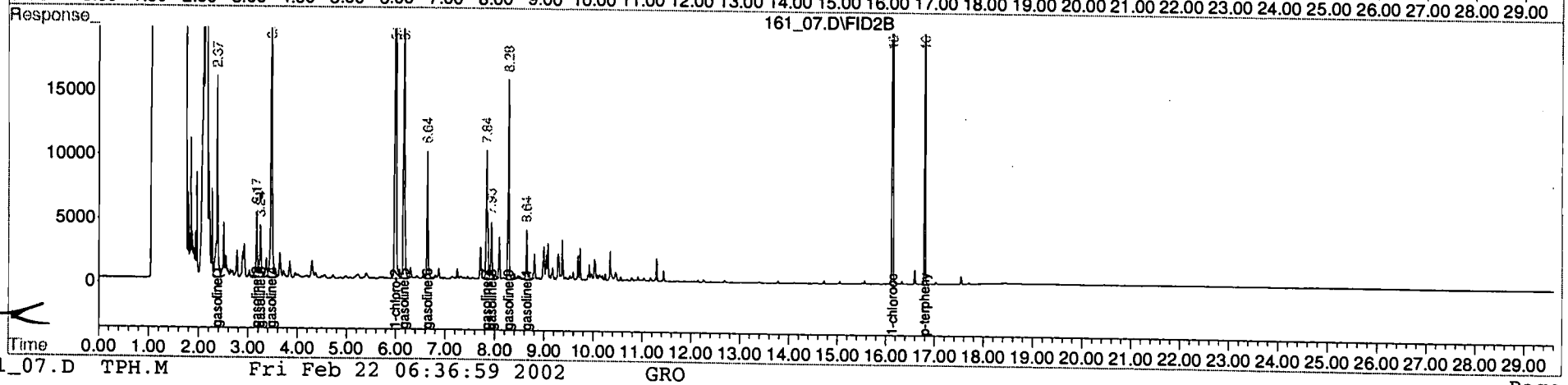
Quant Time: Feb 21 15:05 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





37

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID1A.CH Vial: 8
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID2B.CH Vial: 8
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:08 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	973456	1065708	26.549	27.258
Spiked Amount 10.000 Range 50 - 150 Recovery =					265.49%#	272.58%#
62) S 1-chlorooctadeca	16.07	16.14	1873511	1911810	38.076	39.838
Spiked Amount 20.000 Range 50 - 150 Recovery =					190.38%#	199.19%#
63) S p-terphenyl	16.75	16.80	593179	511696	9.730	9.958
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.30%	99.58%
Target Compounds						
1) L1,A gasoline(1)	2.36	2.36	169970	519535	258.221	204.575
2) L1,A gasoline(2)	2.99	3.16	229025	240903	244.161	251.470
3) L1,A gasoline(3)	3.06	3.24	202273	202798	246.375	256.645
4) L1,A gasoline(4)	3.38	3.47	1174790	1257715	243.819	245.391
5) L1,A gasoline(5)	6.17	6.17	901111	1011301	246.404	249.115
6) L1,A gasoline(6)	6.63	6.64	361412	397716	248.075	247.917
7) L1,A gasoline(7)	7.79	7.83	503407	520721	357.335	252.281 #
8) L1,A gasoline(8)	8.00	7.93	163119	181535	391.015	252.960 #
9) L1,A gasoline(9)	8.31	8.28	206720	557885	234.154	248.607
10) L1,A gasoline(10)	8.65	8.64	54206	135904	241.224	262.673
Sum gasoline(1)			3966032	5026012	NoCal	NoCal
Average gasoline(1)					271.078	247.163
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D. d	N.D. d
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D. d	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D. d	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D. d
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(6)=RT Delta > 1/2 Window (#)=amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID1A.CH Vial: 8
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID2B.CH Vial: 8
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:08 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D. d
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D. d
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D. d	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D. d	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D. d	N.D. d
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D. d
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D. d
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D.
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

(d)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID1A.CH Vial: 8
Acq On : 20 Feb 2002 21:27 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID2B.CH Vial: 8
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A702 L 6 Inst : GC/FID In
Misc : MIX [S,A] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:08 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D.	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f)-RT Delta > 1/2 Window (#)-Amounts differ by > 25% (m)-manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID1A.CH
Acq On : 20 Feb 2002 21:27
Sample : FID A702 L 6
Misc : MIX [S,A]
IntFile : AUTOINT1.E

Vial: 8
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

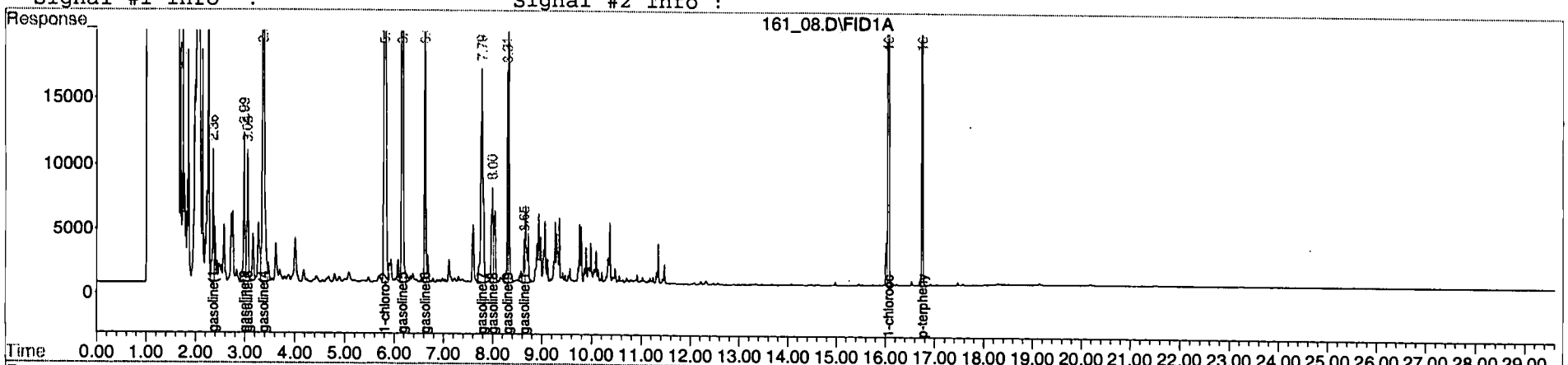
Data File : C:\HPCHEM\3\DATA\161\161_08.D\FID2B.CH
Acq On : 20 Feb 2002 22:07
Sample : FID A702 L 6
Misc : MIX [S,A]
IntFile : EVENTS2.E

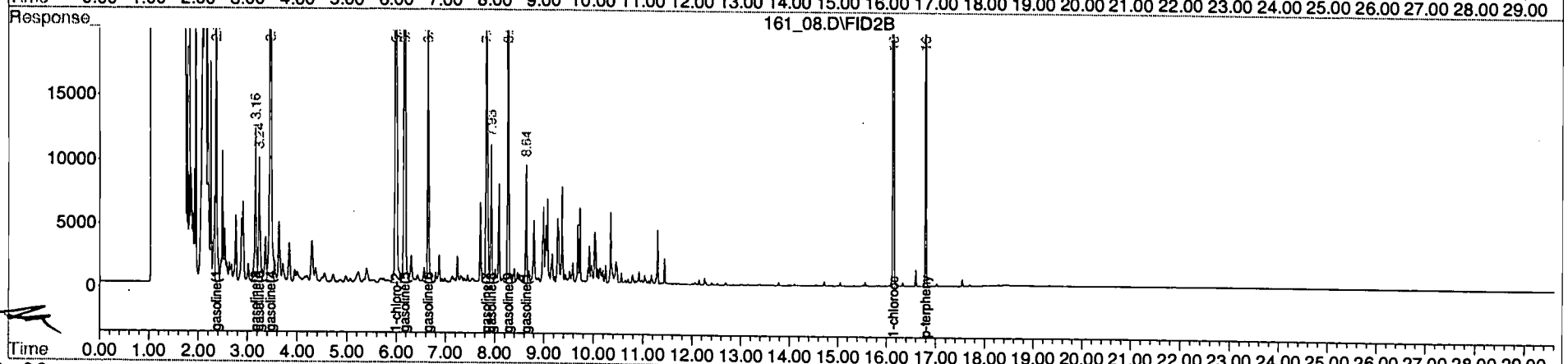
Vial: 8
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:08 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID1A.CH Vial: 9
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID2B.CH Vial: 9
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:58 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	39765	42434	1.085	1.085
Spiked Amount 10.000 Range 50 - 150 Recovery =					10.85%#	10.85%#
62) S 1-chlorooctadeca	16.06	16.13	106415	109442	2.163	2.281
Spiked Amount 20.000 Range 50 - 150 Recovery =					10.82%#	11.41%#
63) S p-terphenyl	16.75	16.80	587806	523069	9.642	10.179
Spiked Amount 10.000 Range 50 - 150 Recovery =					96.42%	101.79%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	8.28	0	1470	N.D.	0.655 #
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	1470	N.D.	0.655
Average gasoline(1)					0.000	0.655
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	10.70	10.13	2310	3506	NoCal	NoCal
19) L2,J JP-4 (9)	11.54	10.98	2827	2228	NoCal	NoCal
20) L2,J JP-4 (10)	0.00	11.80	0	2155	N.D.	NoCal
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	8.40	0	3807	N.D.	NoCal
26) L3,P mineral spirits	0.00	8.68	0	1399	N.D.	NoCal
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	9.52	0	7774	N.D.	NoCal
29) L3,P mineral spirits	0.00	10.05	0	4468	N.D.	NoCal
30) L3,P mineral spirits	10.50	10.45	2228	13633	NoCal	NoCal

(#) = qualifier out of range (#) Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID1A.CH Vial: 9
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID2B.CH Vial: 9
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:58 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	10.21	10.09	1467	1587	NoCal	NoCal
39) L4,X SC-150 (9)	10.25	0.00	1224	0	NoCal	N.D.
40) L4,X SC-150 (10)	10.58	0.00	4194	0	NoCal	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	8.40	0	3807	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	7774	N.D.	NoCal
44) L5,K kerosene (4)	0.00	10.45	0	13633	N.D.	NoCal
45) L5,K kerosene (5)	10.50	10.57	2228	4271	NoCal	NoCal
46) L5,K kerosene (6)	11.32	11.06	5358	7140	NoCal	NoCal
47) L5,K kerosene (7)	0.00	11.27	0	15990	N.D.	NoCal
48) L5,K kerosene (8)	12.55	12.01	2913	13771	NoCal	NoCal
49) L5,K kerosene (9)	12.79	12.71	2059	18047	NoCal	NoCal
50) L5,K kerosene (10)	13.46	13.36	2138	9416	NoCal	NoCal
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	4898	7774	7.354	7.875
52) L6,D diesel (2)	10.36	10.45	8943	13633	7.722	9.224
53) L6,D diesel (3)	11.18	11.27	10788	15990	9.359	10.045
54) L6,D diesel (4)	11.93	12.01	11543	13771	9.709	8.511
55) L6,D diesel (5)	12.63	12.71	15994	18047	11.082	10.404
56) L6,D diesel (6)	13.28	13.36	11641	9416	9.640	7.918
57) L6,D diesel (7)	13.90	13.98	9553	7809	8.383	8.761
58) L6,D diesel (8)	14.49	14.57	7516	6042	9.798	8.212
59) L6,D diesel (9)	15.05	15.13	6714	4960	9.091	9.011
60) L6,D diesel (10)	15.58	15.66	2811	2934	7.829	7.907
Sum diesel (1)			90401	100376	89.967	87.866
Average diesel (1)					8.997	8.787
64) L7,O motor oil (1)	14.49	14.57	7516	6042	124.142	134.582
65) L7,O motor oil (2)	15.05	15.13	6714	4960	58.529	59.208
66) L7,O motor oil (3)	15.58	15.66	2811	2934	21.372	20.583
67) L7,O motor oil (4)	16.29	0.00	279	0	0.834	N.D. #

(#)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID1A.CH Vial: 9
Acq On : 20 Feb 2002 22:07 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID2B.CH Vial: 9
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 1 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 6:58 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.	
69) L7,O motor oil (6)	17.69	0.00	1618	0	2.857	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.75	0.00	2126	0	1.658	N.D.	#
72) L7,O motor oil (9)	19.40	0.00	1673	0	1.849	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	2977	0	4.218	N.D.	#
Sum motor oil (1)			25714	13935	215.458	214.372	
Average motor oil (1)					26.932	71.457	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID1A.CH
Acq On : 20 Feb 2002 22:07
Sample : FID A703 L 1
Misc : MIX [S,D]
IntFile : AUTOINT1.E

Vial: 9
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

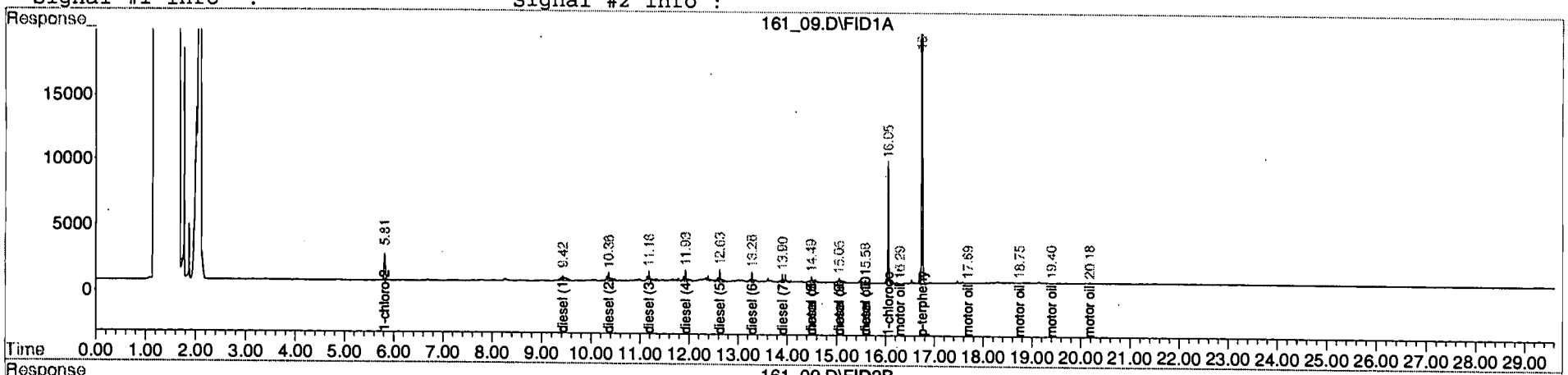
Data File : C:\HPCHEM\3\DATA\161\161_09.D\FID2B.CH
Acq On : 20 Feb 2002 22:46
Sample : FID A703 L 1
Misc : MIX [S,D]
IntFile : EVENTS2.E

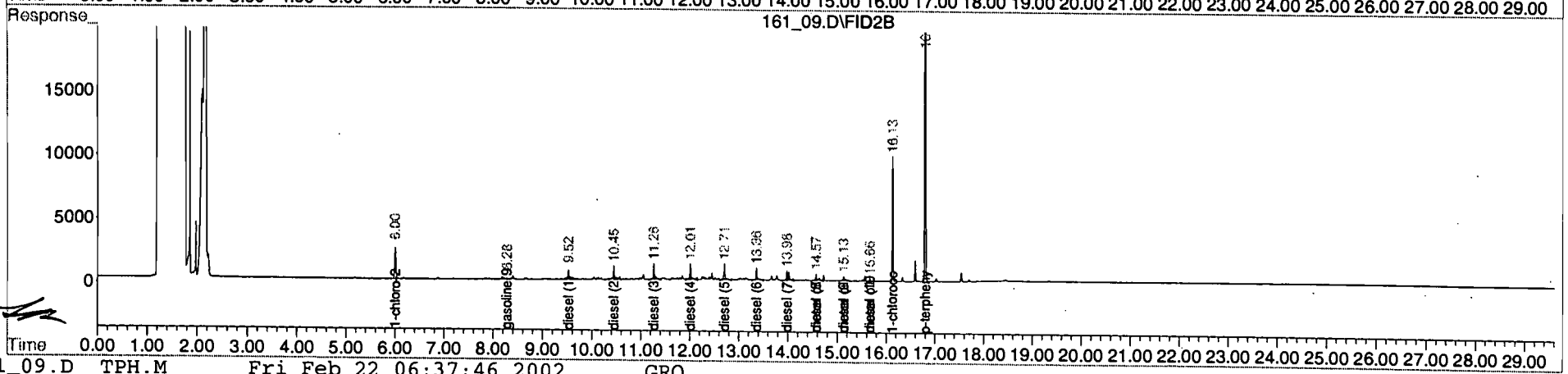
Vial: 9
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 6:58 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID1A.CH Vial: 10
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID2B.CH Vial: 10
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	75006	80339	2.046	2.055
Spiked Amount 10.000 Range 50 - 150 Recovery =					20.46%#	20.55%#
62) S 1-chlorooctadeca	16.06	16.13	191886	198585	3.900	4.138
Spiked Amount 20.000 Range 50 - 150 Recovery =					19.50%#	20.69%#
63) S p-terphenyl	16.75	16.80	578472	513982	9.489	10.002
Spiked Amount 10.000 Range 50 - 150 Recovery =					94.89%	100.02%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D. d	N.D. d
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D. d	N.D. d
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D. d
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D. d
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D. d	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(#) = qualifier out of range (##) = ratio out of range (d) = manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID1A.CH Vial: 10
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID2B.CH Vial: 10
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D. d
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D. d	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	11891	22896	17.852	23.192 #
52) L6,D diesel (2)	10.36	10.45	20814	32206	17.973	21.790
53) L6,D diesel (3)	11.18	11.27	24984	37684	21.675	23.672
54) L6,D diesel (4)	11.93	12.01	26725	33925	22.479	20.966
55) L6,D diesel (5)	12.63	12.71	29962	37802	20.760	21.792
56) L6,D diesel (6)	13.28	13.36	23457	24952	19.425	20.980
57) L6,D diesel (7)	13.90	13.98	23456	18605	20.585	20.873
58) L6,D diesel (8)	14.49	14.57	15493	14476	20.196	19.677
59) L6,D diesel (9)	15.05	15.13	13635	11124	18.463	20.208
60) L6,D diesel (10)	15.58	15.66	7208	6829	20.076	18.406
Sum diesel (1)			197625	240498	199.483	211.556
Average diesel (1)					19.948	21.156
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

(d) RT Delta > 1/2 Window (#) Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID1A.CH Vial: 10
Acq On : 20 Feb 2002 22:46 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID2B.CH Vial: 10
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 2 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D.	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID1A.CH
Acq On : 20 Feb 2002 22:46
Sample : FID A703 L 2
Misc : MIX [S,D]
IntFile : AUTOINT1.E

Vial: 10
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

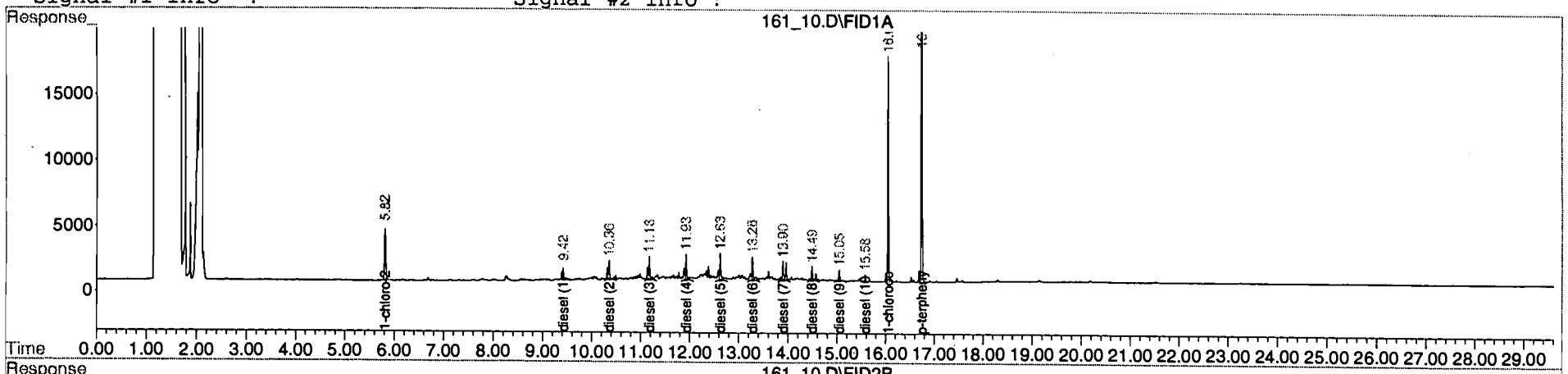
Data File : C:\HPCHEM\3\DATA\161\161_10.D\FID2B.CH
Acq On : 20 Feb 2002 23:26
Sample : FID A703 L 2
Misc : MIX [S,D]
IntFile : EVENTS2.E

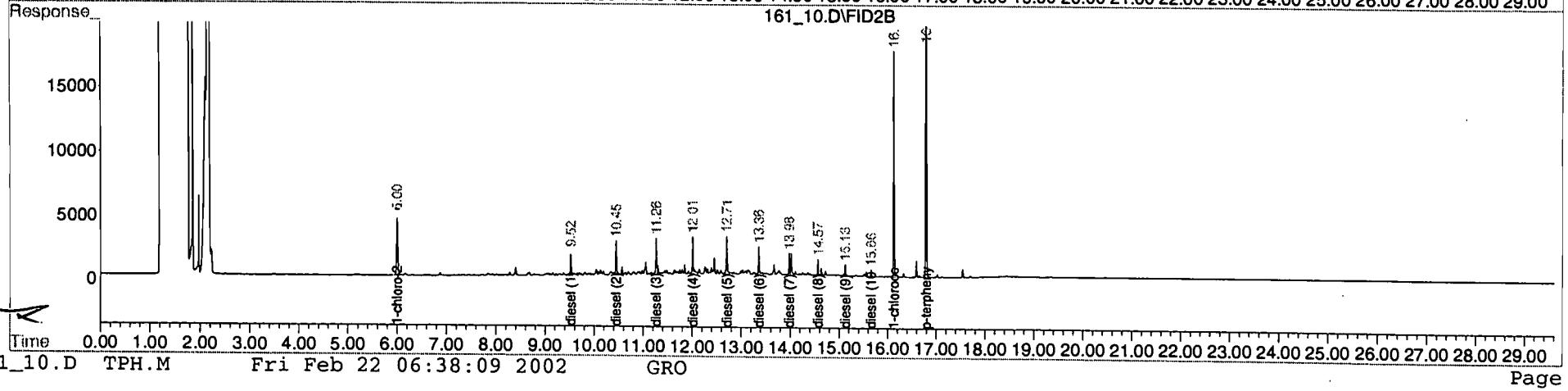
Vial: 10
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID1A.CH Vial: 11
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID2B.CH Vial: 11
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.82	6.00	181190	193895	4.942	4.959
Spiked Amount 10.000 Range 50 - 150 Recovery =					49.42%#	49.59%#
62) S 1-chlorooctadeca	16.06	16.13	478661	491177	9.728	10.235
Spiked Amount 20.000 Range 50 - 150 Recovery =					48.64%#	51.17%
63) S p-terphenyl	16.75	16.80	587469	515256	9.637	10.027
Spiked Amount 10.000 Range 50 - 150 Recovery =					96.37%	100.27%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D. d	N.D. d
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D. d	N.D. d
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D. d	N.D. d
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D. d	N.D. d
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D. d
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D. d	N.D. d
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D. d	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(*) Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID1A.CH Vial: 11
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID2B.CH Vial: 11
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D. d	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D. d	N.D. d
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D. d	N.D. d
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D. d
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D.	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D. d	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.43	9.52	29303	46809	43.993	47.416
52) L6,D diesel (2)	10.36	10.45	52583	71634	45.405	48.466
53) L6,D diesel (3)	11.18	11.26	59116	77723	51.288	48.824
54) L6,D diesel (4)	11.93	12.01	61386	69237	51.632	42.788
55) L6,D diesel (5)	12.63	12.71	68284	75078	47.312	43.281
56) L6,D diesel (6)	13.28	13.36	52614	53166	43.570	44.703
57) L6,D diesel (7)	13.90	13.98	52092	40352	45.715	45.273
58) L6,D diesel (8)	14.49	14.57	35300	31660	46.014	43.034
59) L6,D diesel (9)	15.05	15.13	31592	23702	42.777	43.059
60) L6,D diesel (10)	15.58	15.66	17504	14347	48.755	38.670
Sum diesel (1)			459774	503711	466.462	445.515
Average diesel (1)					46.646	44.551
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

(#)=qualifier out, (*)=Amounts differ by > 25%, (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID1A.CH Vial: 11
Acq On : 20 Feb 2002 23:26 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID2B.CH Vial: 11
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A703 L 3 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D. d
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D.	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(d) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID1A.CH
Acq On : 20 Feb 2002 23:26
Sample : FID A703 L 3
Misc : MIX [S,D]
IntFile : AUTOINT1.E

Vial: 11
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

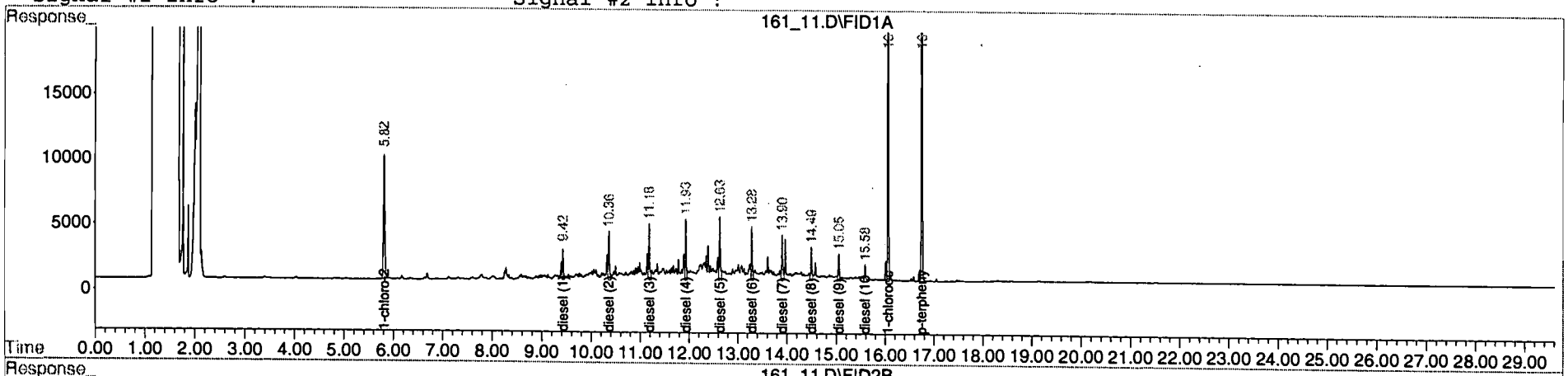
Data File : C:\HPCHEM\3\DATA\161\161_11.D\FID2B.CH
Acq On : 21 Feb 2002 00:06
Sample : FID A703 L 3
Misc : MIX [S,D]
IntFile : EVENTS2.E

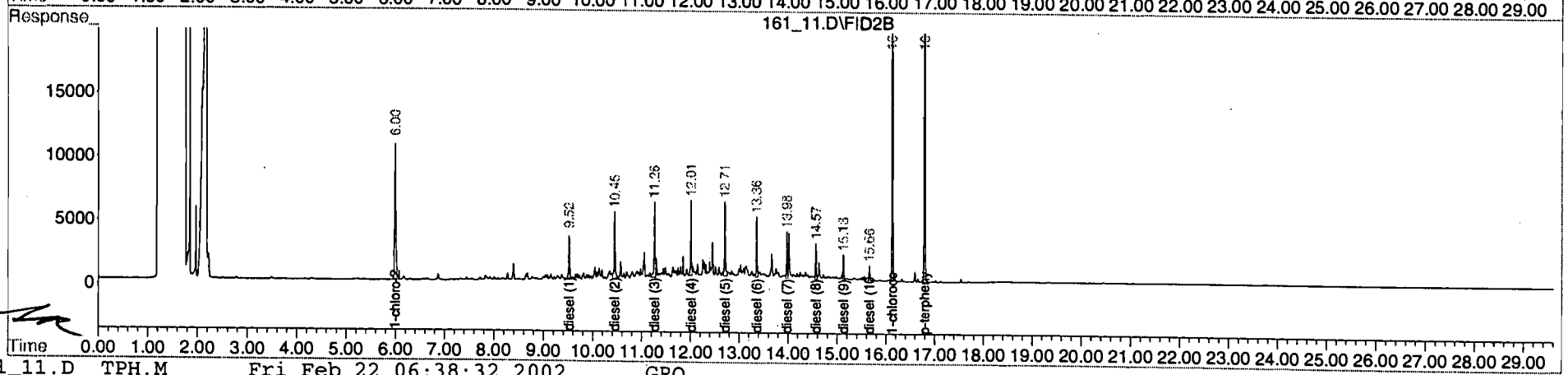
Vial: 11
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





53

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID1A.CH Vial: 12
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID2B.CH Vial: 12
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	367859	387093	10.033	9.901
Spiked Amount 10.000 Range 50 - 150 Recovery =					100.33%	99.01%
62) S 1-chlorooctadeca	16.06	16.13	976015	988529	19.836	20.599
Spiked Amount 20.000 Range 50 - 150 Recovery =					99.18%	102.99%
63) S p-terphenyl	16.75	16.80	629512	546825	10.326	10.642
Spiked Amount 10.000 Range 50 - 150 Recovery =					103.26%	106.42%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D. d	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D. d	N.D. d
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D. d	N.D. d
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D. d	N.D. d
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D. d	N.D. d
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D. d
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D. d	N.D. d
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D. d	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID1A.CH Vial: 12
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID2B.CH Vial: 12
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D. d	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D. d	N.D. d
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D. d
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D. d	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D. d	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D. d	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	59756	107789	89.710	109.186
52) L6,D diesel (2)	10.36	10.45	106508	154850	91.969	104.768
53) L6,D diesel (3)	11.18	11.27	120306	168201	104.375	105.661
54) L6,D diesel (4)	11.93	12.01	121432	191208	102.138	118.165
55) L6,D diesel (5)	12.63	12.71	136313	197604	94.448	113.916
56) L6,D diesel (6)	13.28	13.36	108183	136381	89.587	114.672 #
57) L6,D diesel (7)	13.90	13.98	109414	102124	96.021	114.576
58) L6,D diesel (8)	14.49	14.57	73846	85657	96.260	116.429
59) L6,D diesel (9)	15.05	15.13	82367	65120	111.527	118.300
60) L6,D diesel (10)	15.58	15.66	39184	44429	109.141	119.750
Sum diesel (1)			957308	1253364	985.176	1135.422
Average diesel (1)					98.518	113.542
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID1A.CH Vial: 12
Acq On : 21 Feb 2002 00:06 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID2B.CH Vial: 12
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A713 L 4 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D. d	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID1A.CH
Acq On : 21 Feb 2002 00:06
Sample : FID A713 L 4
Misc : MIX [S,D]
IntFile : AUTOINT1.E

Vial: 12
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

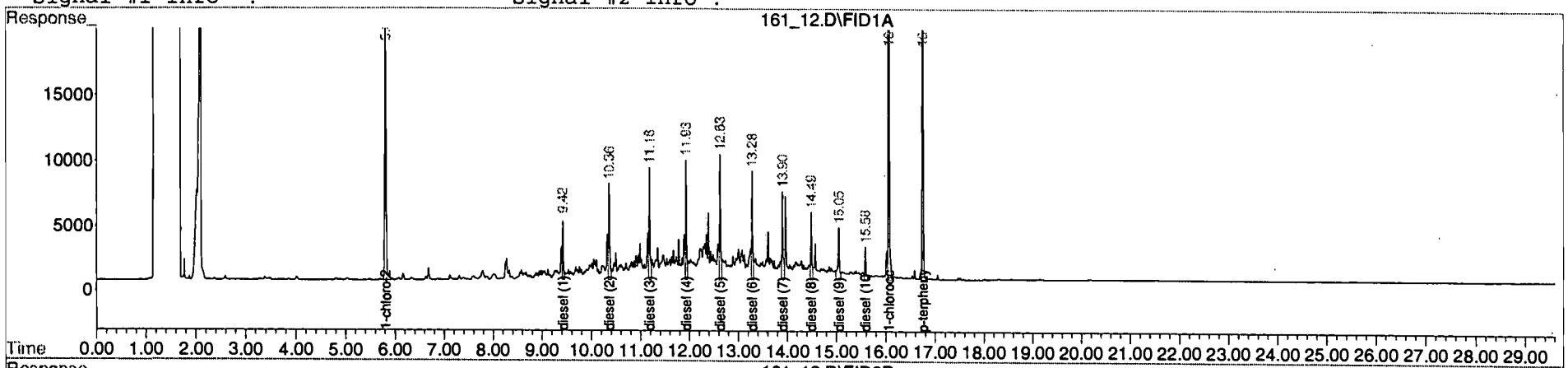
Data File : C:\HPCHEM\3\DATA\161\161_12.D\FID2B.CH
Acq On : 21 Feb 2002 00:45
Sample : FID A713 L 4
Misc : MIX [S,D]
IntFile : EVENTS2.E

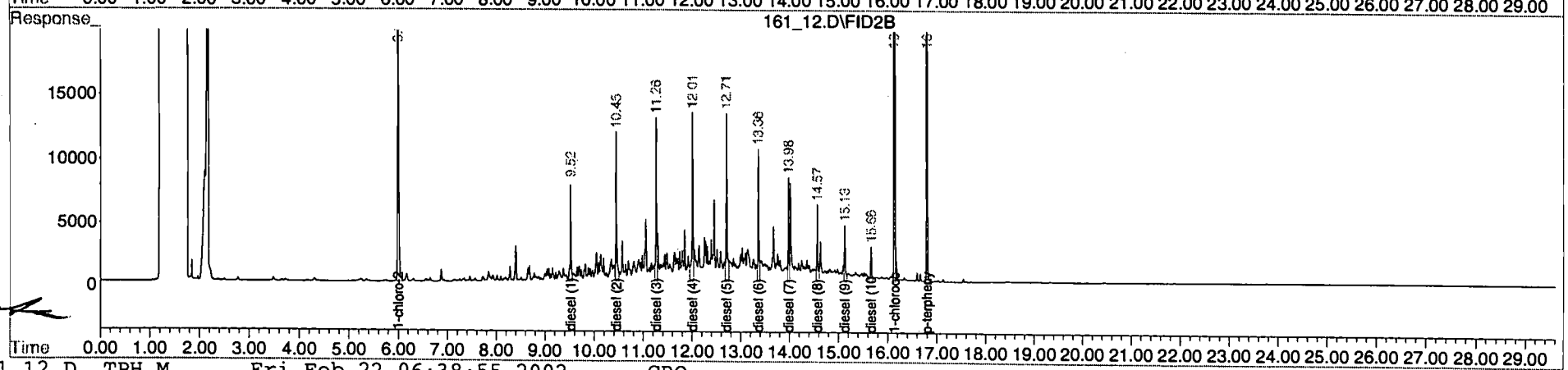
Vial: 12
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





57

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID1A.CH Vial: 13
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID2B.CH Vial: 13
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:43 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	547601	585903	14.935	14.986
Spiked Amount 10.000 Range 50 - 150 Recovery =					149.35%	149.86%
62) S 1-chlorooctadeca	16.07	16.14	1547284	1421358	31.446	29.618
Spiked Amount 20.000 Range 50 - 150 Recovery =					157.23%#	148.09%
63) S p-terphenyl	16.75	16.80	632359	508887	10.373	9.903
Spiked Amount 10.000 Range 50 - 150 Recovery =					103.73%	99.03%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D. d	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D. d	N.D. d
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D. d	N.D. d
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D. d	N.D. d
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D. d	N.D. d
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D. d	N.D. d
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D. d	N.D. d
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D. d
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D. d	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

(#) = Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID1A.CH Vial: 13
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID2B.CH Vial: 13
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:43 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D. d	N.D. d
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D. d	N.D. d
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D. d
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D. d	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D.	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D. d	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	156154	250233	234.432m	253.476
52) L6,D diesel (2)	10.36	10.45	264320	391037	228.238m	264.566
53) L6,D diesel (3)	11.18	11.27	286907	401781	248.914	252.392
54) L6,D diesel (4)	11.93	12.01	295109	440870	248.220	272.455
55) L6,D diesel (5)	12.63	12.71	324886	460634	225.106m	265.548
56) L6,D diesel (6)	13.29	13.36	267688	316573	221.673m	266.180
57) L6,D diesel (7)	13.90	13.98	257562	234054	226.036m	262.593
58) L6,D diesel (8)	14.49	14.57	189862	212979	247.490m	289.489
59) L6,D diesel (9)	15.05	15.13	173022	145062	234.276m	263.527
60) L6,D diesel (10)	15.58	15.66	94743	109284	263.895	294.555
Sum diesel (1)			2310253	2962508	2378.280	2684.782
Average diesel (1)					237.828	268.478
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID1A.CH Vial: 13
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID2B.CH Vial: 13
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:43 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D.
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

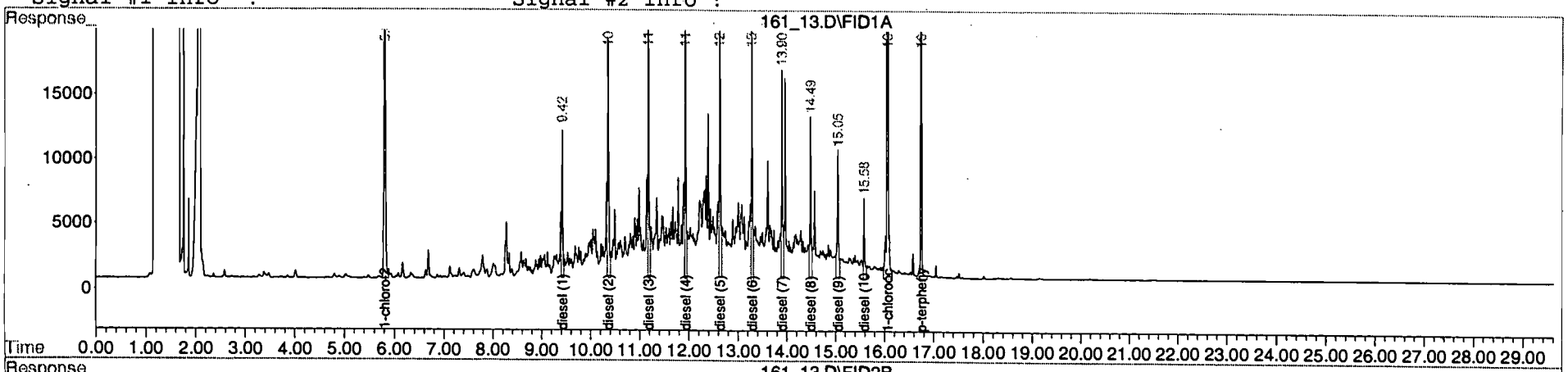
Quantitation Report (QT Reviewed)

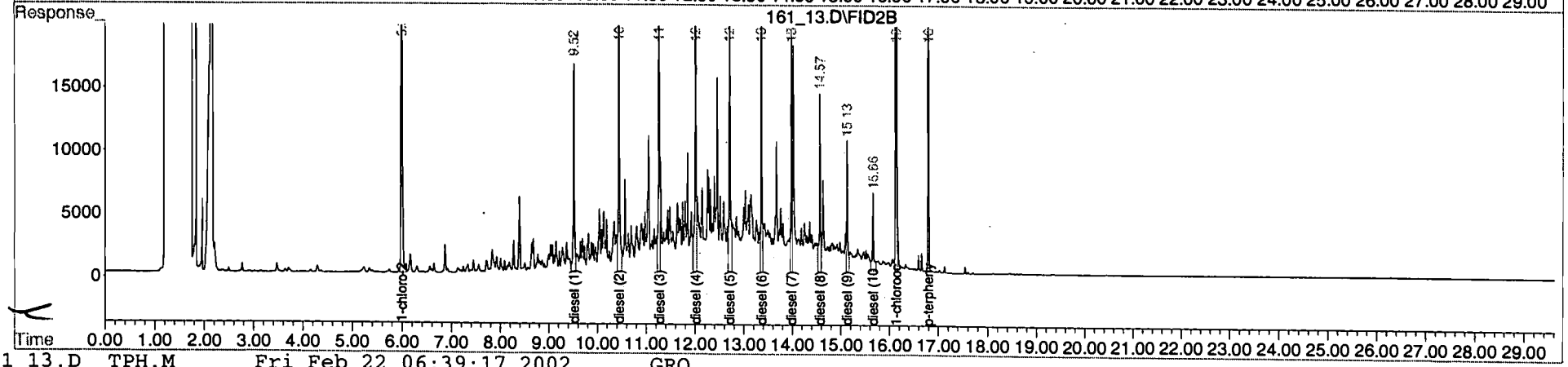
Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID1A.CH Vial: 13
Acq On : 21 Feb 2002 00:45 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_13.D\FID2B.CH Vial: 13
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 5 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:43 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID1A.CH Vial: 14
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID2B.CH Vial: 14
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	725924	775309	19.798	19.831
Spiked Amount 10.000 Range 50 - 150 Recovery =					197.98%#	198.31%#
62) S 1-chlorooctadeca	16.07	16.14	1992392	1775157	40.492	36.990
Spiked Amount 20.000 Range 50 - 150 Recovery =					202.46%#	184.95%#
63) S p-terphenyl	16.75	16.80	620237	484355	10.174	9.426
Spiked Amount 10.000 Range 50 - 150 Recovery =					101.74%	94.26%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D. d	N.D. d
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D. d	N.D. d
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D. d	N.D. d
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D. d	N.D. d
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D. d	N.D. d
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D. d	N.D. d
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D. d	N.D. d
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D. d	N.D. d
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D. d
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D. d
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D. d	N.D. d
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D. d	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D. d
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D. d	N.D. d
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
22) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
23) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
24) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
25) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
26) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
27) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
28) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
29) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID1A.CH Vial: 14
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID2B.CH Vial: 14
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D. d	N.D. d
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D. d	N.D. d
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D. d	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D. d	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D. d	N.D. d
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D. d	N.D. d
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D. d	N.D. d
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D. d
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D. d
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D. d	N.D. d
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D. d
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D. d	N.D. d
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D. d	N.D. d
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D. d
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D. d
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D. d	N.D. d
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D.	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D. d	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.43	9.52	330405	502601	496.033	509.115
52) L6,D diesel (2)	10.36	10.45	574431	778275	496.016	526.563
53) L6,D diesel (3)	11.19	11.27	615397	804262	533.906	505.223
54) L6,D diesel (4)	11.94	12.02	626525	836698	526.977	517.074
55) L6,D diesel (5)	12.63	12.71	673834	920514	466.883	530.662
56) L6,D diesel (6)	13.29	13.37	526096	627547	435.661	527.653
57) L6,D diesel (7)	13.91	13.98	644111	473952	565.270	531.742
58) L6,D diesel (8)	14.49	14.57	397103	378888	517.633	514.999
59) L6,D diesel (9)	15.05	15.13	378568	300943	512.591	546.707
60) L6,D diesel (10)	15.59	15.66	192947	206772	537.428	557.314
Sum diesel (1)			4959416	5830451	5088.399	5267.050
Average diesel (1)					508.840	526.705
64) L7,O motor oil (1)	0.00	0.00	0	0	N.D. d	N.D. d
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D. d	N.D. d
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D. d	N.D. d
67) L7,O motor oil (4)	0.00	0.00	0	0	N.D. d	N.D. d

(d) = amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID1A.CH Vial: 14
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID2B.CH Vial: 14
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D. d	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D. d	N.D. d
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D. d	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D. d	N.D. d
72) L7,O motor oil (9)	0.00	0.00	0	0	N.D. d	N.D.
73) L7,O motor oil (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum motor oil (1)			0	0	N.D.	N.D.
Average motor oil (1)					0.000	0.000

(#)=Amounts differ by > 25% (m)=manual int.

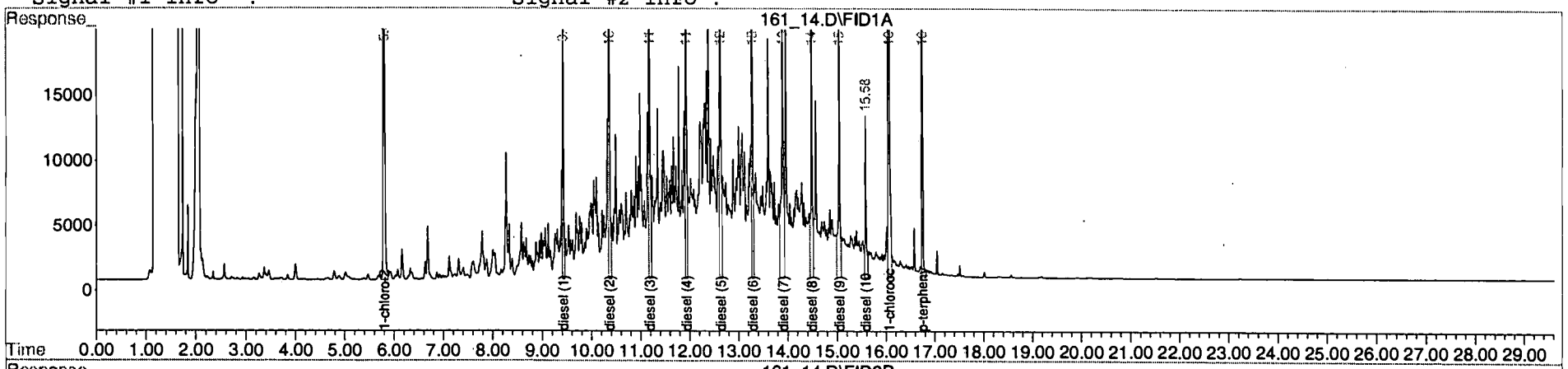
Quantitation Report (Not Reviewed)

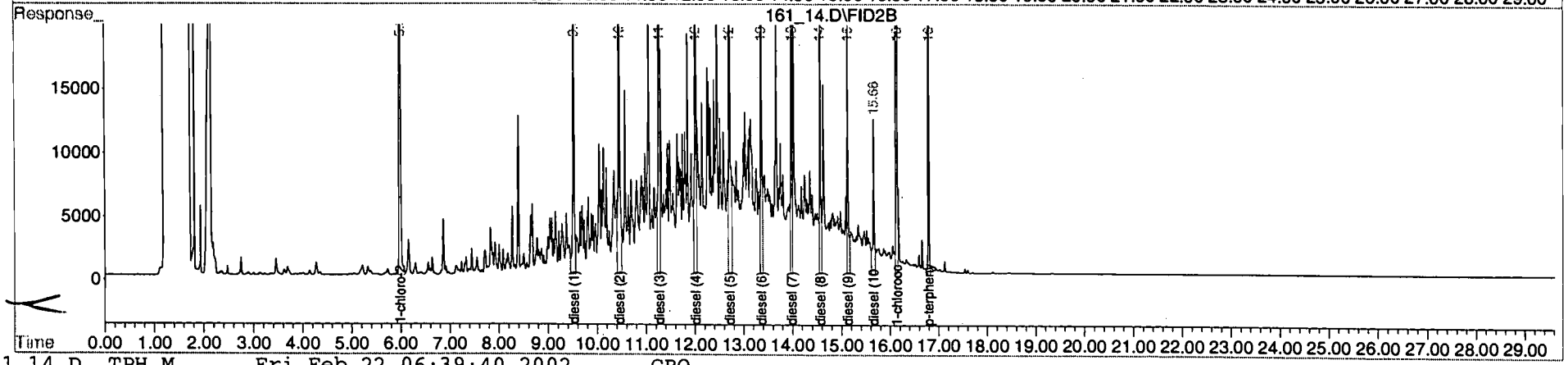
Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID1A.CH Vial: 14
Acq On : 21 Feb 2002 1:25 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_14.D\FID2B.CH Vial: 14
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A703 L 6 Inst : GC/FID In
Misc : MIX [S,D] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID1A.CH Vial: 15
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID2B.CH Vial: 15
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
62) S 1-chlorooctadeca	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 20.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
63) S p-terphenyl	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D. d	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID1A.CH Vial: 15
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID2B.CH Vial: 15
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D.	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D.	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D. d
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D. d
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	14.49	14.57	6410	4522	105.876	100.741
65) L7,O motor oil (2)	15.05	15.13	13891	9450	121.092	112.798
66) L7,O motor oil (3)	15.58	15.66	14217	14247	108.102	99.954
67) L7,O motor oil (4)	16.29	15.87	49289	15062	147.293	88.507m#

(#) = qualifier out of range (m) = manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID1A.CH Vial: 15
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID2B.CH Vial: 15
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68)	L7,O motor oil (5)	17.22	16.36	54851	24528	101.719	97.456m
69)	L7,O motor oil (6)	17.69	17.29	59831	25772	105.662	106.133m
70)	L7,O motor oil (7)	18.20	17.78	92077	18994	117.496	99.915m
71)	L7,O motor oil (8)	18.77	18.30	144487	26134	112.718	109.431m
72)	L7,O motor oil (9)	19.42	18.89	115695	17600	127.859	101.300m
73)	L7,O motor oil (10)	20.19	19.56	75999	11808	107.675	103.044m
	Sum motor oil (1)			626747	168117	1155.490	1019.278
	Average motor oil (1)					115.549	101.928

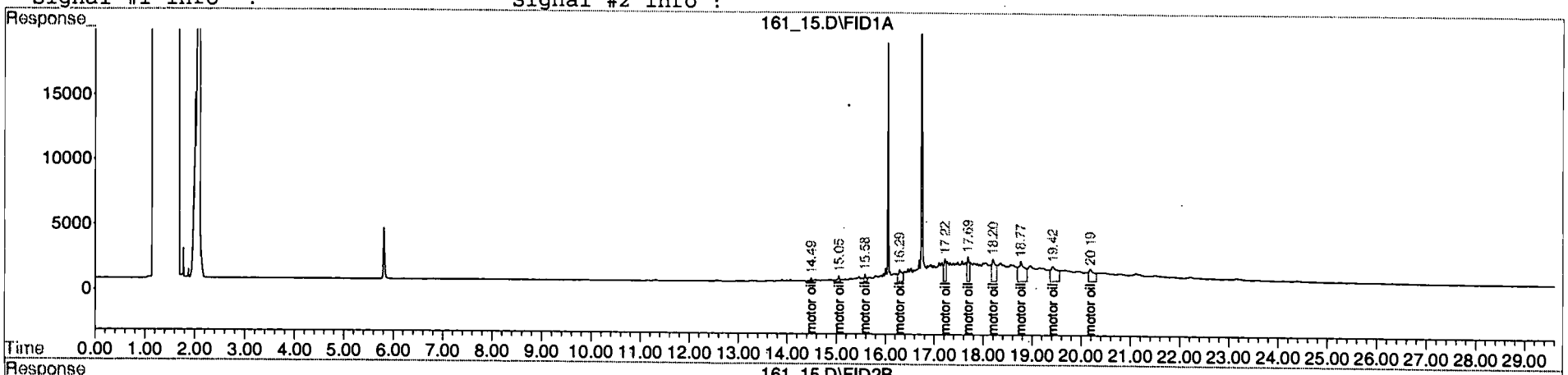
Quantitation Report (QT Reviewed)

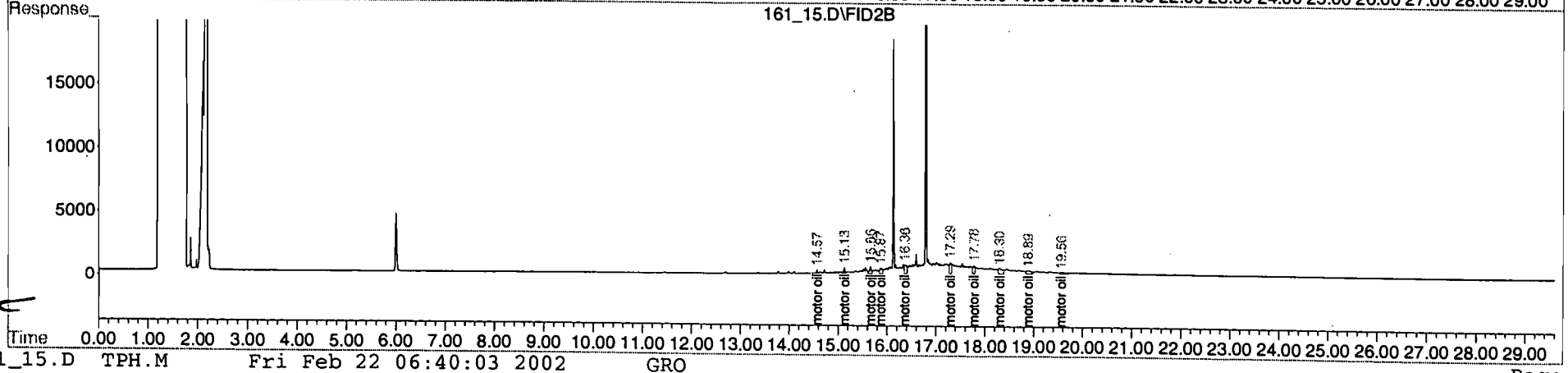
Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID1A.CH Vial: 15
Acq On : 21 Feb 2002 2:05 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_15.D\FID2B.CH Vial: 15
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 1 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID1A.CH Vial: 16
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID2B.CH Vial: 16
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
62) S 1-chlorooctadeca	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 20.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
63) S p-terphenyl	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

(*) Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID1A.CH Vial: 16
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID2B.CH Vial: 16
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D.	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D. d
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D. d
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	14.49	14.57	9568	9158	158.025	203.996 #
65) L7,O motor oil (2)	15.05	15.13	25208	18324	219.748	218.734
66) L7,O motor oil (3)	15.58	15.66	24112	31003	183.346	217.514
67) L7,O motor oil (4)	16.29	15.87	59153	32499	176.772	190.967

(d) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID1A.CH Vial: 16
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID2B.CH Vial: 16
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	17.22	16.36	110810	46906	205.493	186.368
69) L7,O motor oil (6)	17.69	17.30	118131	40670	208.619	167.485
70) L7,O motor oil (7)	18.20	17.78	149435	34698	190.687	182.523
71) L7,O motor oil (8)	18.77	18.30	261781	38359	204.222	160.622
72) L7,O motor oil (9)	19.42	18.89	154024	33351	170.218	191.959
73) L7,O motor oil (10)	20.19	19.57	163600	20916	231.785	182.526
Sum motor oil (1)			1075822	305884	1948.916	1902.694
Average motor oil (1)					194.892	190.269

(f)=manual int. (#)=Amounts differ by > 25%

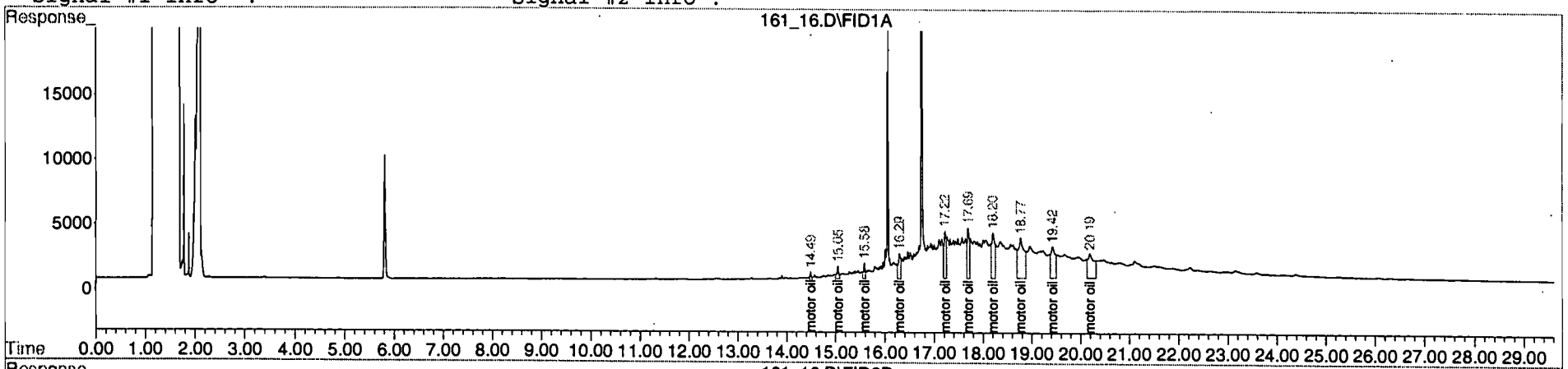
Quantitation Report (Not Reviewed)

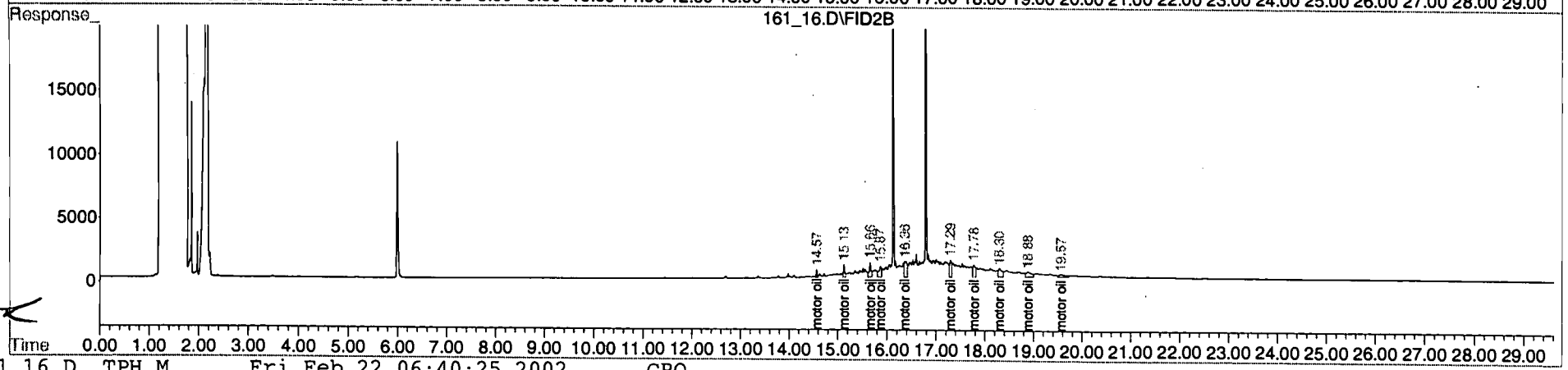
Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID1A.CH Vial: 16
Acq On : 21 Feb 2002 2:44 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_16.D\FID2B.CH Vial: 16
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 2 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID1A.CH Vial: 17
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID2B.CH Vial: 17
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
62) S 1-chlorooctadeca	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 20.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
63) S p-terphenyl	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID1A.CH Vial: 17
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID2B.CH Vial: 17
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D.	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D. d
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D. d
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	14.49	14.57	18227	12892	301.041	287.178
65) L7,O motor oil (2)	15.05	15.13	30353	23240	264.597	277.409
66) L7,O motor oil (3)	15.58	15.66	45566	42625	346.480	299.048
67) L7,O motor oil (4)	16.29	15.87	87867	42135	262.579	247.592

(d) amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID1A.CH Vial: 17
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID2B.CH Vial: 17
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	17.22	16.36	160935	62594	298.447	248.702
69) L7,O motor oil (6)	17.69	17.30	164524	45769	290.552	188.485 #
70) L7,O motor oil (7)	18.20	17.78	200353	44023	255.662	231.573
71) L7,O motor oil (8)	18.77	18.30	363833	75257	283.836	315.121
72) L7,O motor oil (9)	19.42	18.89	311487	46589	344.236	268.149
73) L7,O motor oil (10)	20.19	19.57	202527	28871	286.937	251.951
Sum motor oil (1)			1585673	423994	2934.367	2615.209
Average motor oil (1)					293.437	261.521

(#)=amounts differ by > 25% (m)=manual int

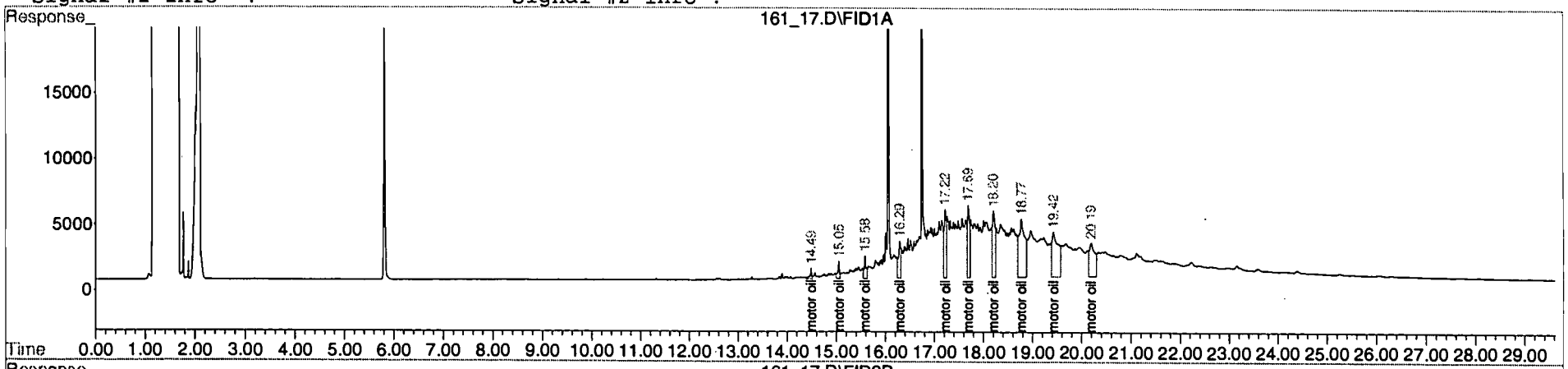
Quantitation Report (Not Reviewed)

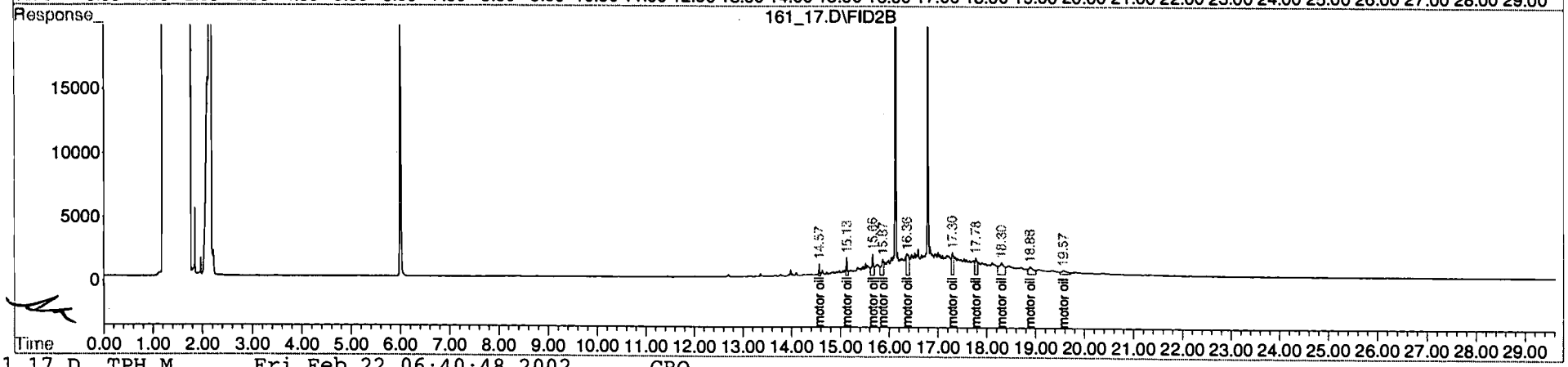
Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID1A.CH Vial: 17
Acq On : 21 Feb 2002 3:23 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_17.D\FID2B.CH Vial: 17
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 3 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:10 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





77

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID1A.CH Vial: 18
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID2B.CH Vial: 18
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
62) S 1-chlorooctadeca	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 20.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
63) S p-terphenyl	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

(#) = qualifier out of range (##) = qualifier out of range (m)=manual int
Quantitation Window(s) for compounds not used in quantitation

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID1A.CH Vial: 18
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID2B.CH Vial: 18
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D. d	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D. d
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D. d
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D. d
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	14.49	14.57	31997	22906	528.464	510.256
65) L7,O motor oil (2)	15.05	15.13	51576	39550	449.603	472.102
66) L7,O motor oil (3)	15.58	15.66	60609	71394	460.864	500.887
67) L7,O motor oil (4)	16.29	15.87	146718	91268	438.448	536.306

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID1A.CH Vial: 18
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID2B.CH Vial: 18
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.22	16.36	270606	130111	501.829	516.964	
69) L7,O motor oil (6)	17.69	17.30	283728	70843	501.067	291.742	#
70) L7,O motor oil (7)	18.20	17.78	348197	63767	444.320	335.436	
71) L7,O motor oil (8)	18.77	18.30	591734	94286	461.627	394.803	
72) L7,O motor oil (9)	19.43	18.89	437688	85882	483.704	494.308	
73) L7,O motor oil (10)	20.19	19.57	337617	63853	478.331	557.223	
Sum motor oil (1)			2560470	733860	4748.256	4610.027	
Average motor oil (1)					474.826	461.003	

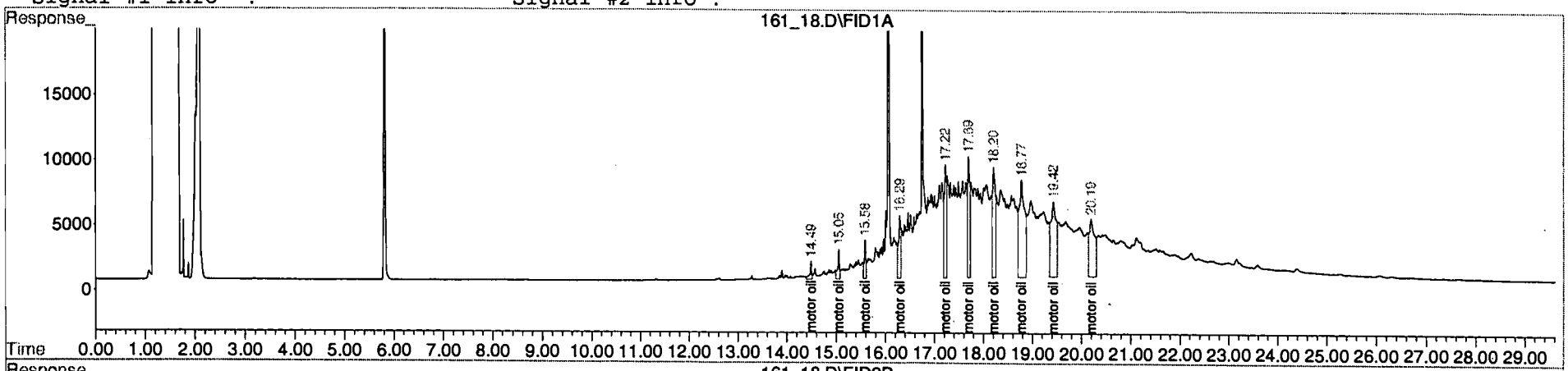
Quantitation Report (Not Reviewed)

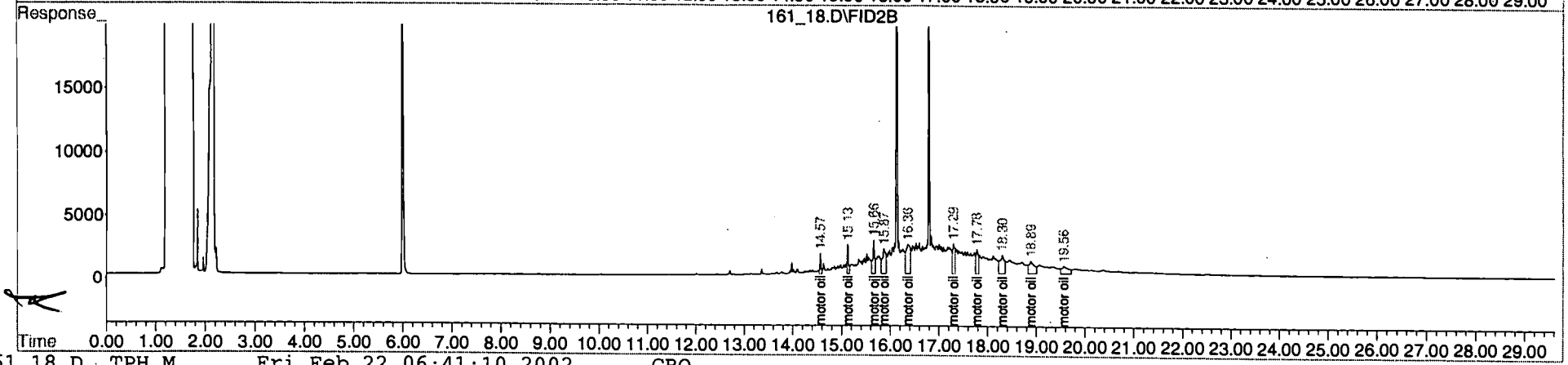
Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID1A.CH Vial: 18
Acq On : 21 Feb 2002 4:03 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_18.D\FID2B.CH Vial: 18
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 4 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





81

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID1A.CH Vial: 19
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID2B.CH Vial: 19
Acq On : 21 Feb 2002 5:22 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
62) S 1-chlorooctadeca	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 20.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
63) S p-terphenyl	0.00	0.00	0	0	N.D. d	N.D. d
Spiked Amount 10.000	Range	50 - 150	Recovery	=	0.00%#	0.00%#
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D. d	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D. d	N.D.

(#) = Amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID1A.CH Vial: 19
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID2B.CH Vial: 19
Acq On : 21 Feb 2002 5:22 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D.	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D. d	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D. d	N.D.
46) L5,K kerosene (6)	0.00	0.00	0	0	N.D. d	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	0.00	0.00	0	0	N.D. d	N.D. d
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D. d
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D. d	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D. d	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D. d	N.D. d
55) L6,D diesel (5)	0.00	0.00	0	0	N.D. d	N.D. d
56) L6,D diesel (6)	0.00	0.00	0	0	N.D. d	N.D. d
57) L6,D diesel (7)	0.00	0.00	0	0	N.D. d	N.D. d
58) L6,D diesel (8)	0.00	0.00	0	0	N.D. d	N.D. d
59) L6,D diesel (9)	0.00	0.00	0	0	N.D. d	N.D. d
60) L6,D diesel (10)	0.00	0.00	0	0	N.D. d	N.D. d
Sum diesel (1)			0	0	N.D.	N.D.
Average diesel (1)					0.000	0.000
64) L7,O motor oil (1)	14.49	14.57	49530	33495	818.040	746.130
65) L7,O motor oil (2)	15.05	15.13	78219	57141	681.859	682.082
66) L7,O motor oil (3)	15.58	15.66	91295	97738	694.196	685.717
67) L7,O motor oil (4)	16.29	15.87	223630	88722	668.289	521.345

(6)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID1A.CH Vial: 19
Acq On : 21 Feb 2002 4:43 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID2B.CH Vial: 19
Acq On : 21 Feb 2002 5:22 Operator: HP Demo
Sample : FID A704 L 5 Inst : GC/FID In
Misc : MIX [O] Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	17.22	16.36	386985	161438	717.650	641.434
69) L7,O motor oil (6)	17.70	17.30	394808	135919	697.235	559.734
70) L7,O motor oil (7)	18.21	17.78	664602	89222	848.071	469.335 #
71) L7,O motor oil (8)	18.77	18.30	944395	160753	736.747	673.119
72) L7,O motor oil (9)	19.43	18.89	512693	117851	566.595	678.307
73) L7,O motor oil (10)	20.20	19.57	450601	86556	638.404	755.346
Sum motor oil (1)			3796758	1028834	7067.087	6412.550
Average motor oil (1)					706.709	641.255

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID1A.CH
Acq On : 21 Feb 2002 4:43
Sample : FID A704 L 5
Misc : MIX [O]
IntFile : AUTOINT1.E

Vial: 19
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Data File : C:\HPCHEM\3\DATA\161\161_19.D\FID2B.CH
Acq On : 21 Feb 2002 5:22
Sample : FID A704 L 5
Misc : MIX [O]
IntFile : EVENTS2.E

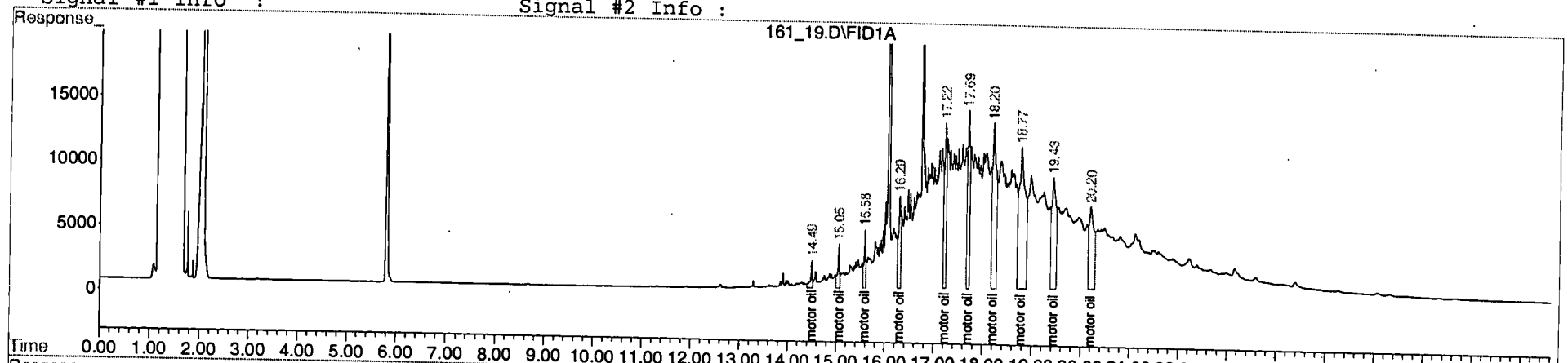
Vial: 19
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

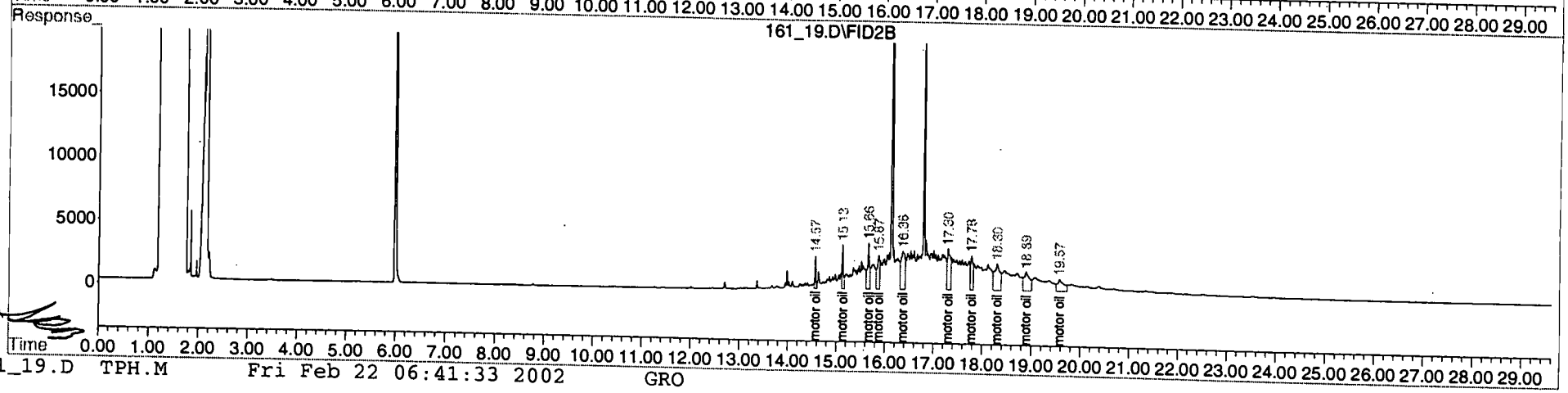
Quant Time: Feb 21 15:09 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 06:53:29 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID1A.CH Vial: 34
Acq On : 21 Feb 2002 17:32 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID2B.CH Vial: 34
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:29 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	390778	409890	10.658	10.484
Spiked Amount 10.000 Range 50 - 150 Recovery =					106.58%	104.84%
62) S 1-chlorooctadeca	16.06	16.13	893334	926471	18.155	19.306
Spiked Amount 20.000 Range 50 - 150 Recovery =					90.78%	96.53%
63) S p-terphenyl	16.75	16.79	602055	531541	9.876	10.344
Spiked Amount 10.000 Range 50 - 150 Recovery =					98.76%	103.44%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.37	33604	126028	51.051	49.625
2) L1,A gasoline(2)	3.00	3.17	45248	46069	48.239	48.089
3) L1,A gasoline(3)	3.07	3.24	39802	37280	48.480	47.179
4) L1,A gasoline(4)	3.38	3.47	229628	242759	47.658	47.364
5) L1,A gasoline(5)	6.16	6.16	177711	189258	48.594	46.620
6) L1,A gasoline(6)	6.63	6.64	69712	74689	47.851	46.557
7) L1,A gasoline(7)	7.78	7.83	91266	96704	50.415	46.852
8) L1,A gasoline(8)	8.00	7.93	29184	33542	45.929	46.739
9) L1,A gasoline(9)	8.31	8.27	43388	104980	49.146	46.782
10) L1,A gasoline(10)	8.65	8.64	10801	24913	48.066	48.151
Sum gasoline(1)			770346	976220	485.429	473.958
Average gasoline(1)					48.543	47.396
11) L2,J JP-4 (1)	0.00	2.49	0	32434	N.D.	NoCal
12) L2,J JP-4 (2)	3.00	0.00	45248	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	7947	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	74689	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.01	20031	4133	NoCal	NoCal
17) L2,J JP-4 (7)	9.77	9.17	14984	8336	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.13	824	4383	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	7035	N.D.	NoCal
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.04	8.01	22856	4133	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	3920	N.D.	NoCal
26) L3,P mineral spirits	8.72	8.69	9014	3336	NoCal	NoCal
27) L3,P mineral spirits	9.27	0.00	15705	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	2381	3005	NoCal	NoCal
29) L3,P mineral spirits	9.86	10.03	3343	16759	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.46	2694	9092	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID1A.CH Vial: 34
Acq On : 21 Feb 2002 17:32 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID2B.CH Vial: 34
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:29 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	9.31	9.17	12697	8336	NoCal	NoCal
33) L4,X SC-150 (3)	9.31	9.17	12697	8336	NoCal	NoCal
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	9.94	0.00	5907	0	NoCal	N.D.
37) L4,X SC-150 (7)	9.99	9.92	7562	6175	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.08	1490	2840	NoCal	NoCal
39) L4,X SC-150 (9)	10.25	0.00	463	0	NoCal	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	6.87	0	7035	N.D.	NoCal
42) L5,K kerosene (2)	0.00	8.40	0	3920	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	3005	N.D.	NoCal
44) L5,K kerosene (4)	9.57	10.46	2381	9092	NoCal	NoCal
45) L5,K kerosene (5)	10.53	10.56	482	2042	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.04	6178	2414	NoCal	NoCal
47) L5,K kerosene (7)	12.08	0.00	386	0	NoCal	N.D.
48) L5,K kerosene (8)	12.55	0.00	1736	0	NoCal	N.D.
49) L5,K kerosene (9)	0.00	12.69	0	1580	N.D.	NoCal
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	9.52	0	3005	N.D.	3.044 #
52) L6,D diesel (2)	10.37	10.46	9580	9092	9.291	6.152 #
53) L6,D diesel (3)	11.18	0.00	2132	0	1.850	N.D. #
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.
55) L6,D diesel (5)	0.00	12.69	0	1580	N.D.	0.911 #
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.
58) L6,D diesel (8)	14.49	14.57	331	335	0.457	0.456
59) L6,D diesel (9)	15.05	0.00	667	0	0.966	N.D. #
60) L6,D diesel (10)	0.00	15.66	0	614	N.D.	1.654 #
Sum diesel (1)			12710	14626	12.564	12.216
Average diesel (1)					3.141	2.443
64) L7,O motor oil (1)	14.49	14.57	331	335	5.464	7.467 #
65) L7,O motor oil (2)	15.05	0.00	667	0	5.813	N.D. #
66) L7,O motor oil (3)	0.00	15.66	0	614	N.D.	4.306 #
67) L7,O motor oil (4)	16.29	0.00	1505	0	4.496	N.D. #

(#) = qualifier out of range (##) = Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID1A.CH Vial: 34
Acq On : 21 Feb 2002 17:32 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID2B.CH Vial: 34
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:29 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.	
69) L7,O motor oil (6)	17.68	0.00	2553	0	4.508	N.D.	#
70) L7,O motor oil (7)	18.23	17.76	3244	2407	4.139	15.907	#
71) L7,O motor oil (8)	18.78	18.30	4581	1600	3.574	7.229	#
72) L7,O motor oil (9)	19.42	0.00	4402	0	4.865	N.D.	#
73) L7,O motor oil (10)	20.18	19.59	2627	1709	3.722	15.203	#
Sum motor oil (1)			19908	6665	36.581	50.112	
Average motor oil (1)					4.573	10.022	

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID1A.CH
Acq On : 21 Feb 2002 17:32
Sample : FID A 712 L 4
Misc : CCV
IntFile : AUTOINT1.E

Vial: 34
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

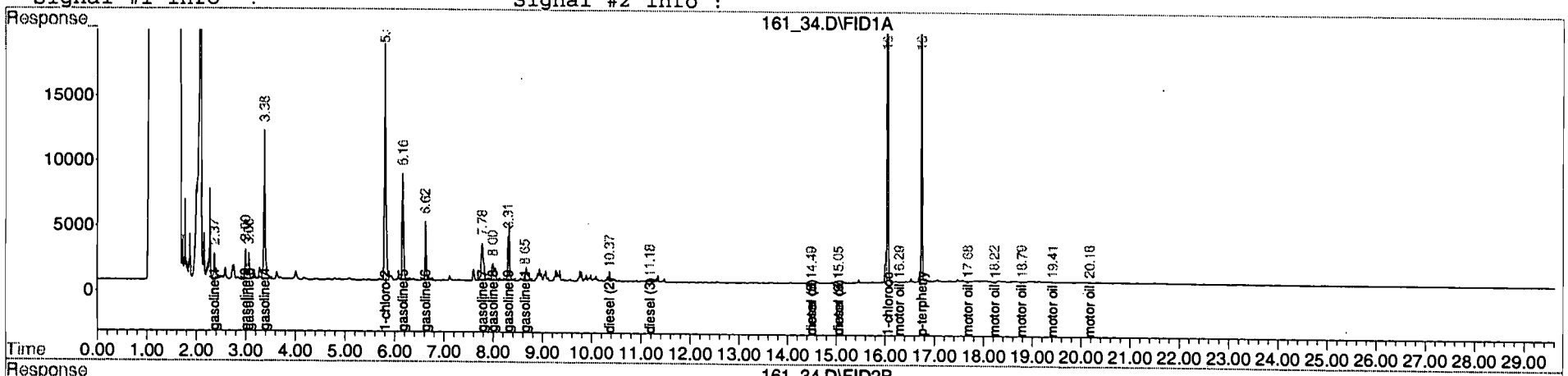
Data File : C:\HPCHEM\3\DATA\161\161_34.D\FID2B.CH
Acq On : 21 Feb 2002 18:11
Sample : FID A 712 L 4
Misc : CCV
IntFile : EVENTS2.E

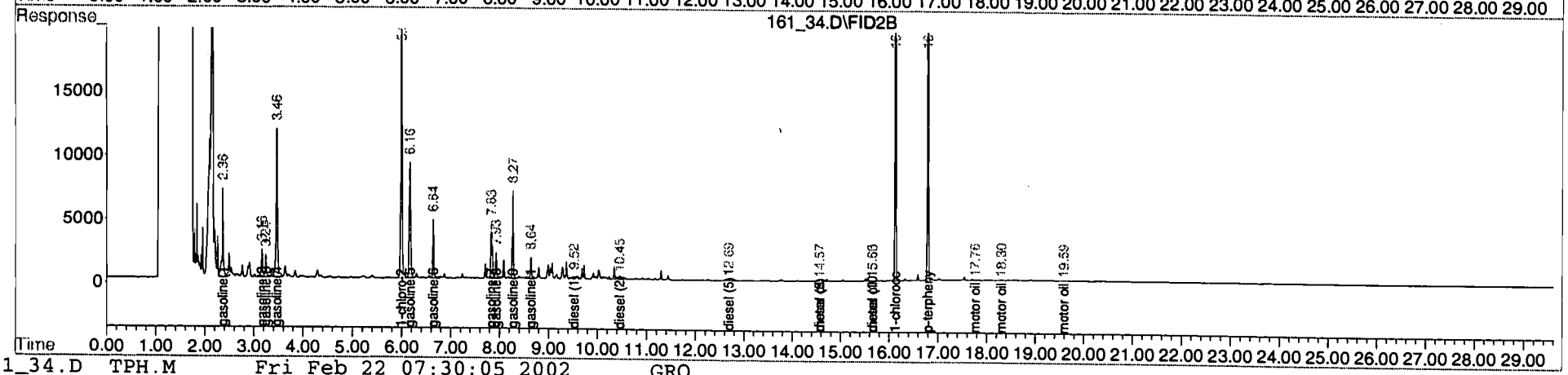
Vial: 34
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 7:29 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Bafsla

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
System Monitoring Compounds							
61) S 1-chloro-2-fluor	5.81	5.99	358036	371603	9.765	9.505	
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.65%	95.05%	
62) S 1-chlorooctadeca	16.06	16.13	1001576	953760	20.355	19.874	
Spiked Amount 20.000 Range 50 - 150 Recovery =					101.77%	99.37%	
63) S p-terphenyl	16.75	16.80	629030	538018	10.319	10.470	
Spiked Amount 10.000 Range 50 - 150 Recovery =					103.19%	104.70%	
Target Compounds							
1) L1,A gasoline(1)	2.37	0.00	1874	0	2.847	N.D.	#
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.	
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.	
4) L1,A gasoline(4)	3.38	3.47	5708	6081	1.185	1.187	
5) L1,A gasoline(5)	6.16	6.16	11108	14120	3.037	3.478	
6) L1,A gasoline(6)	6.63	6.64	4965	5182	3.408	3.230	
7) L1,A gasoline(7)	7.78	7.84	30530	22211	16.865	10.761	#
8) L1,A gasoline(8)	8.00	7.93	12735	11566	20.041	16.116	
9) L1,A gasoline(9)	8.31	8.28	17966	17332	20.351	7.723	#
10) L1,A gasoline(10)	8.65	8.65	26064	18510	115.990	35.776	#
Sum gasoline(1)			110949	95001	183.723	78.271	
Average gasoline(1)					22.965	11.182	
11) L2,J JP-4 (1)	0.00	2.49	0	1503	N.D.	NoCal	
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.	
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.	
14) L2,J JP-4 (4)	0.00	6.30	0	4497	N.D.	NoCal	
15) L2,J JP-4 (5)	0.00	6.64	0	5182	N.D.	NoCal	
16) L2,J JP-4 (6)	8.65	8.01	26064	10124	NoCal	NoCal	
17) L2,J JP-4 (7)	9.76	0.00	35626	0	NoCal	N.D.	
18) L2,J JP-4 (8)	10.70	10.13	52559	44559	NoCal	NoCal	
19) L2,J JP-4 (9)	0.00	10.98	0	36976	N.D.	NoCal	
20) L2,J JP-4 (10)	12.30	11.80	99893	48985	NoCal	NoCal	
Sum JP-4 (1)			0	0	N.D.	N.D.	
Average JP-4 (1)					0.000	0.000	
21) L3,P mineral spirits	6.86	6.87	2403	15660	NoCal	NoCal	
22) L3,P mineral spirits	0.00	7.45	0	5183	N.D.	NoCal	
23) L3,P mineral spirits	0.00	7.56	0	5453	N.D.	NoCal	
24) L3,P mineral spirits	8.03	8.01	14211	10124	NoCal	NoCal	
25) L3,P mineral spirits	0.00	8.40	0	41640	N.D.	NoCal	
26) L3,P mineral spirits	8.73	8.68	7303	15759	NoCal	NoCal	
27) L3,P mineral spirits	9.27	9.15	46664	20547	NoCal	NoCal	
28) L3,P mineral spirits	9.58	9.52	22205	102605	NoCal	NoCal	
29) L3,P mineral spirits	0.00	10.04	0	51208	N.D.	NoCal	
30) L3,P mineral spirits	10.49	10.45	60342	147373	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	9.11	0	7838	N.D.	NoCal
32) L4,X SC-150 (2)	0.00	9.15	0	20547	N.D.	NoCal
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	9.53	0.00	32373	0	NoCal	N.D.
35) L4,X SC-150 (5)	9.58	9.57	22205	7869	NoCal	NoCal
36) L4,X SC-150 (6)	0.00	9.85	0	5328	N.D.	NoCal
37) L4,X SC-150 (7)	9.97	9.91	95216	14480	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.09	32549	21057	NoCal	NoCal
39) L4,X SC-150 (9)	10.25	10.35	23988	59013	NoCal	NoCal
40) L4,X SC-150 (10)	10.58	10.90	73857	47542	NoCal	NoCal
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	6.86	6.87	2403	15660	NoCal	NoCal
42) L5,K kerosene (2)	0.00	8.40	0	41640	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	102605	N.D.	NoCal
44) L5,K kerosene (4)	9.58	10.45	22205	147373	NoCal	NoCal
45) L5,K kerosene (5)	10.49	10.57	60342	53495	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.05	95547	92580	NoCal	NoCal
47) L5,K kerosene (7)	0.00	11.26	0	163312	N.D.	NoCal
48) L5,K kerosene (8)	0.00	12.01	0	171992	N.D.	NoCal
49) L5,K kerosene (9)	12.79	12.71	33350	190704	NoCal	NoCal
50) L5,K kerosene (10)	13.46	13.36	41185	128097	NoCal	NoCal
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	104410	102605	177.285	103.935 #
52) L6,D diesel (2)	10.36	10.45	176205	147373	170.892	99.709 #
53) L6,D diesel (3)	11.18	11.26	196622	163312	170.586	102.590 #
54) L6,D diesel (4)	11.93	12.01	216341	171992	181.967	106.290 #
55) L6,D diesel (5)	12.63	12.71	250173	190704	190.260	109.938 #
56) L6,D diesel (6)	13.28	13.36	211117	128097	203.180	107.706 #
57) L6,D diesel (7)	13.90	13.98	136772	96188	126.812	107.917
58) L6,D diesel (8)	14.49	14.57	92259	78496	127.506	106.694
59) L6,D diesel (9)	15.05	15.13	101227	61540	146.699	111.797
60) L6,D diesel (10)	15.58	15.66	40024	41445	111.482	111.708
Sum diesel (1)			1525150	1181752	1606.669	1068.284
Average diesel (1)					160.667	106.828
64) L7,O motor oil (1)	14.49	14.57	92259	78496	1523.761	1748.543
65) L7,O motor oil (2)	15.05	15.13	101227	61540	882.421	734.598
66) L7,O motor oil (3)	15.58	15.66	40024	41445	304.340	290.774
67) L7,O motor oil (4)	16.29	15.87	15248	11541	45.567	76.493 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.23	0.00	6735	0	12.490	N.D.	#
69) L7,O motor oil (6)	17.71	0.00	5935	0	10.481	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.42	0.00	4619	0	5.105	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	6211	0	8.800	N.D.	#
Sum motor oil (1)			272258	193023	2792.964	2850.407	
Average motor oil (1)					349.120	712.602	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

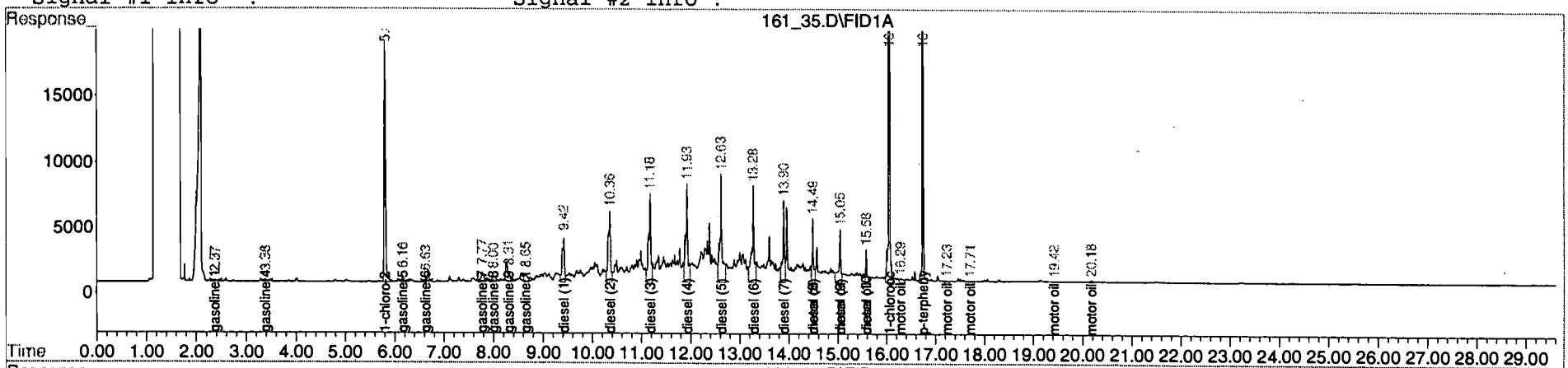
Quantitation Report (Not Reviewed)

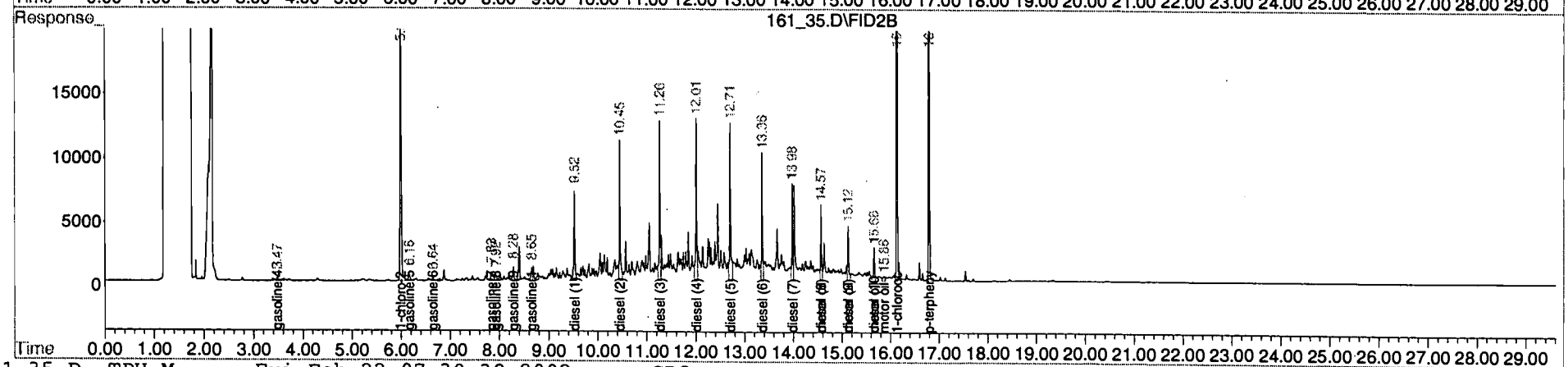
Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

after

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	358036	371603	9.765	9.505
Spiked Amount 10.000 Range 50 - 150 Recovery =					97.65%	95.05%
62) S 1-chlorooctadeca	16.06	16.13	1001576	953760	20.355	19.874
Spiked Amount 20.000 Range 50 - 150 Recovery =					101.77%	99.37%
63) S p-terphenyl	16.75	16.80	629030	538018	10.319	10.470
Spiked Amount 10.000 Range 50 - 150 Recovery =					103.19%	104.70%
Target Compounds						
1) L1,A gasoline(1)	2.37	0.00	1874	0	2.847	N.D. #
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	3.38	3.47	5708	6081	1.185	1.187
5) L1,A gasoline(5)	6.16	6.16	11108	14120	3.037	3.478
6) L1,A gasoline(6)	6.63	6.64	4965	5182	3.408	3.230
7) L1,A gasoline(7)	7.78	7.84	30530	22211	16.865	10.761 #
8) L1,A gasoline(8)	8.00	7.93	12735	11566	20.041	16.116
9) L1,A gasoline(9)	8.31	8.28	17966	17332	20.351	7.723 #
10) L1,A gasoline(10)	8.65	8.65	26064	18510	115.990	35.776 #
Sum gasoline(1)			110949	95001	183.723	78.271
Average gasoline(1)					22.965	11.182
11) L2,J JP-4 (1)	0.00	2.49	0	1503	N.D.	NoCal
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	4497	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	5182	N.D.	NoCal
16) L2,J JP-4 (6)	8.65	8.01	26064	10124	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	0.00	35626	0	NoCal	N.D.
18) L2,J JP-4 (8)	10.70	10.13	52559	44559	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	10.98	0	36976	N.D.	NoCal
20) L2,J JP-4 (10)	12.30	11.80	99893	48985	NoCal	NoCal
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	6.86	6.87	2403	15660	NoCal	NoCal
22) L3,P mineral spirits	0.00	7.45	0	5183	N.D.	NoCal
23) L3,P mineral spirits	0.00	7.56	0	5453	N.D.	NoCal
24) L3,P mineral spirits	8.03	8.01	14211	10124	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	41640	N.D.	NoCal
26) L3,P mineral spirits	8.73	8.68	7303	15759	NoCal	NoCal
27) L3,P mineral spirits	9.27	9.15	46664	20547	NoCal	NoCal
28) L3,P mineral spirits	9.58	9.52	22205	102605	NoCal	NoCal
29) L3,P mineral spirits	0.00	10.04	0	51208	N.D.	NoCal
30) L3,P mineral spirits	10.49	10.45	60342	147373	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	9.11	0	7838	N.D.	NoCal
32) L4,X SC-150 (2)	0.00	9.15	0	20547	N.D.	NoCal
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	9.53	0.00	32373	0	NoCal	N.D.
35) L4,X SC-150 (5)	9.58	9.57	22205	7869	NoCal	NoCal
36) L4,X SC-150 (6)	0.00	9.85	0	5328	N.D.	NoCal
37) L4,X SC-150 (7)	9.97	9.91	95216	14480	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.09	32549	21057	NoCal	NoCal
39) L4,X SC-150 (9)	10.25	10.35	23988	59013	NoCal	NoCal
40) L4,X SC-150 (10)	10.58	10.90	73857	47542	NoCal	NoCal
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	6.86	6.87	2403	15660	NoCal	NoCal
42) L5,K kerosene (2)	0.00	8.40	0	41640	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	102605	N.D.	NoCal
44) L5,K kerosene (4)	9.58	10.45	22205	147373	NoCal	NoCal
45) L5,K kerosene (5)	10.49	10.57	60342	53495	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.05	95547	92580	NoCal	NoCal
47) L5,K kerosene (7)	0.00	11.26	0	163312	N.D.	NoCal
48) L5,K kerosene (8)	0.00	12.01	0	171992	N.D.	NoCal
49) L5,K kerosene (9)	12.79	12.71	33350	190704	NoCal	NoCal
50) L5,K kerosene (10)	13.46	13.36	41185	128097	NoCal	NoCal
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	63580	102605	107.956m	103.935
52) L6,D diesel (2)	10.36	10.45	93498	147373	90.679m	99.709
53) L6,D diesel (3)	11.18	11.26	112290	163312	97.421m	102.590
54) L6,D diesel (4)	11.93	12.01	115162	171992	96.864m	106.290
55) L6,D diesel (5)	12.63	12.71	141108	190704	107.315m	109.938
56) L6,D diesel (6)	13.28	13.36	123618	128097	118.970m	107.706
57) L6,D diesel (7)	13.90	13.98	109154	96188	101.206m	107.917
58) L6,D diesel (8)	14.49	14.57	78758	78496	108.847m	106.694
59) L6,D diesel (9)	15.05	15.13	67008	61540	97.109m	111.797
60) L6,D diesel (10)	15.58	15.66	35238	41445	98.151m	111.708
Sum diesel (1)			939414	1181752	1024.517	1068.284
Average diesel (1)					102.452	106.828
64) L7,O motor oil (1)	14.49	14.57	92259	78496	1523.761	1748.543
65) L7,O motor oil (2)	15.05	15.13	101227	61540	882.421	734.598
66) L7,O motor oil (3)	15.58	15.66	40024	41445	304.340	290.774
67) L7,O motor oil (4)	16.29	15.87	15248	11541	45.567	76.493 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68)	L7,O motor oil (5)	17.23	0.00	6735	0	12.490	N.D.	#
69)	L7,O motor oil (6)	17.71	0.00	5935	0	10.481	N.D.	#
70)	L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71)	L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72)	L7,O motor oil (9)	19.42	0.00	4619	0	5.105	N.D.	#
73)	L7,O motor oil (10)	20.18	0.00	6211	0	8.800	N.D.	#
	Sum motor oil (1)			272258	193023	2792.964	2850.407	
	Average motor oil (1)					349.120	712.602	

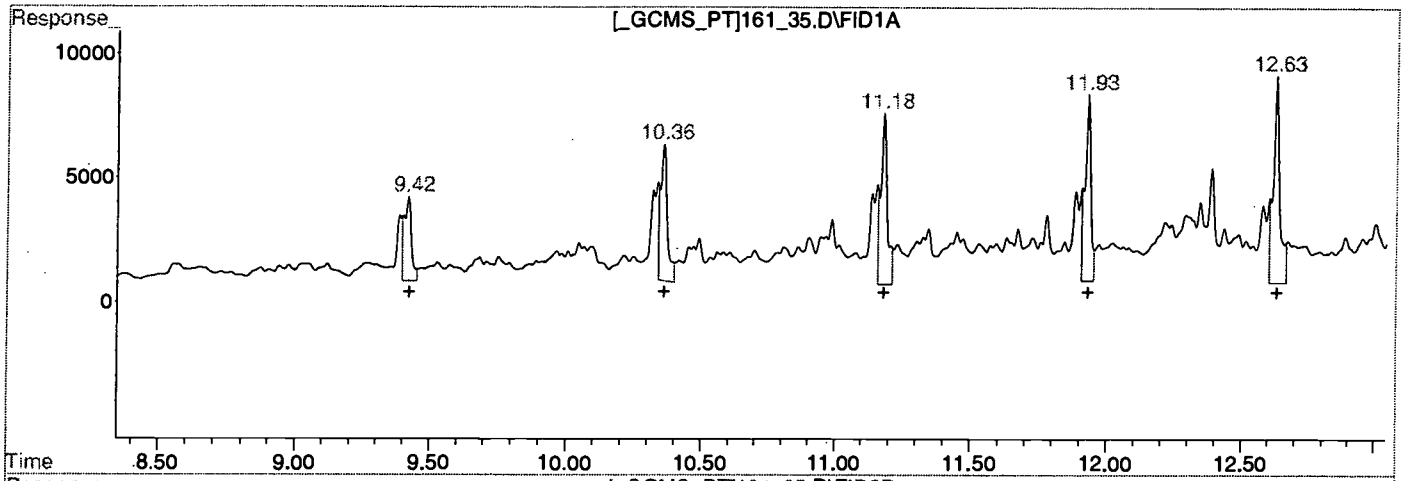
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

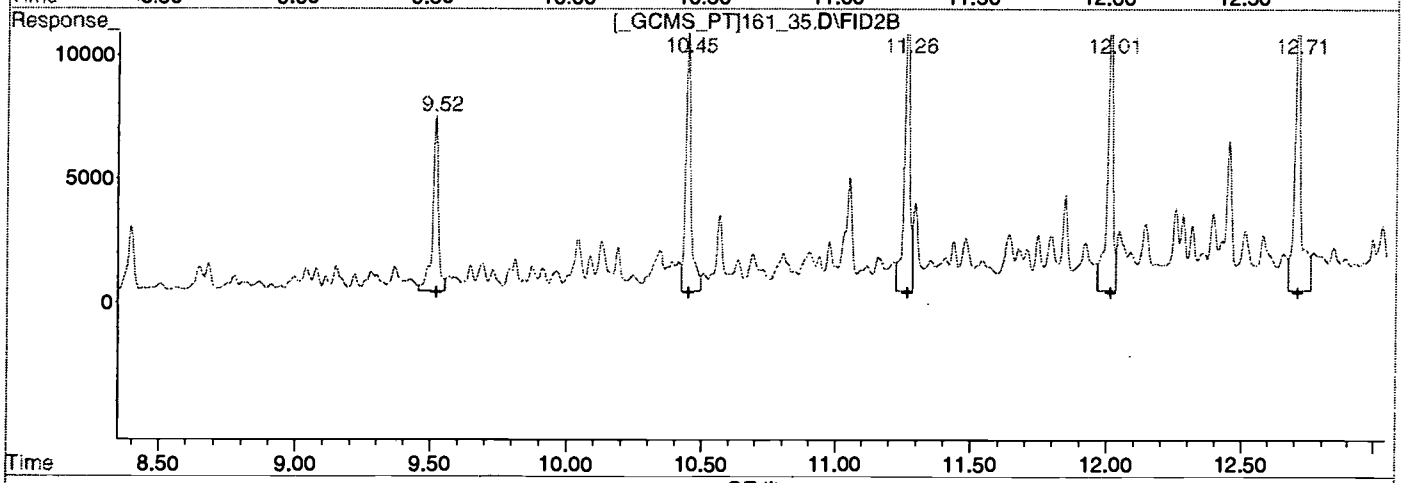
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.42	63580	107.96
10.36	93498	90.68
11.18	112290	97.42
11.93	115162	96.86
12.63	141108	107.31
13.28	123618	118.97
13.90	109154	101.21
14.49	78758	108.85
15.05	67008	97.11
15.58	35238	98.15

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.52	102605	103.94
10.45	147373	99.71
11.26	163312	102.59
12.01	171992	106.29
12.71	190704	109.94
13.36	128097	107.71
13.98	96188	107.92
14.57	78496	106.69
15.13	61540	111.80
15.66	41445	111.71

(+) = Expected Retention Time

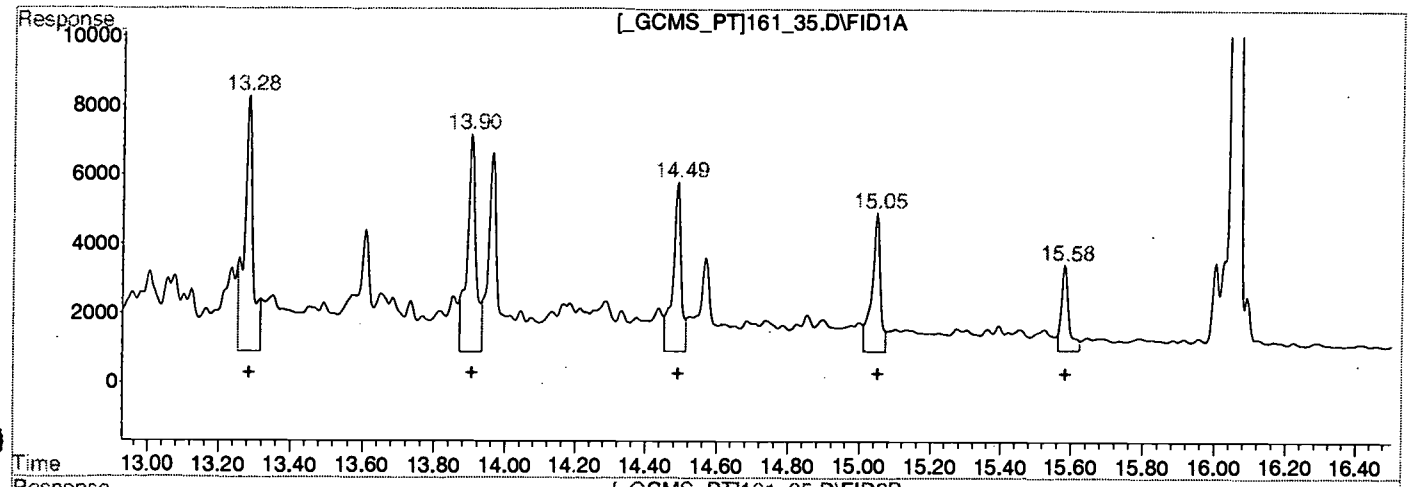
161_35.D TPH.M Fri Feb 22 08:30:19 2002 GRO

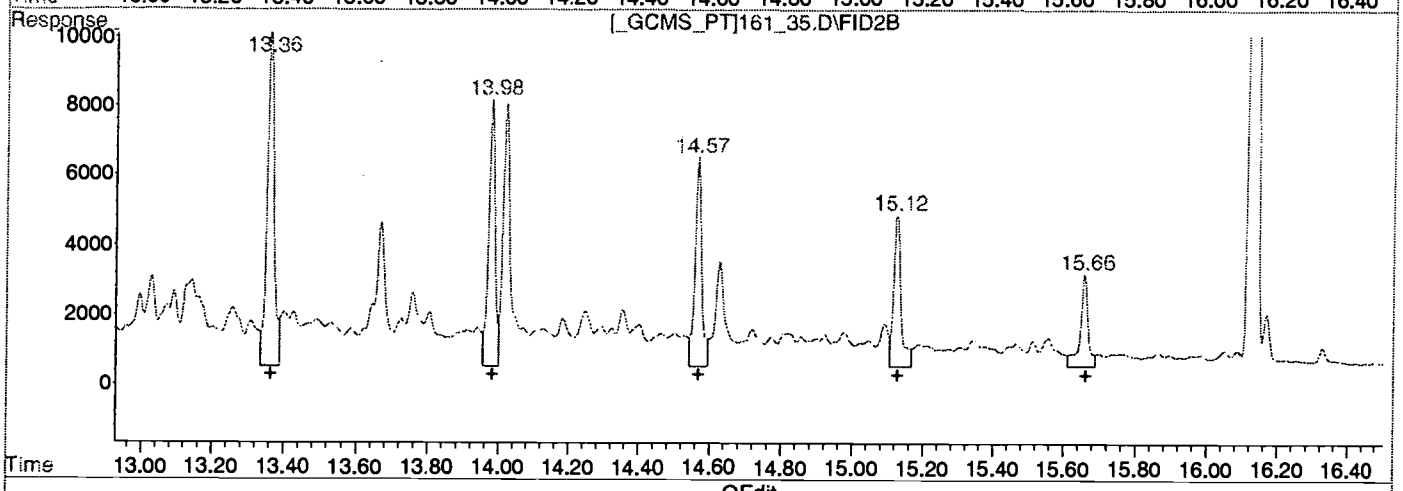
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH Vial: 35
Acq On : 21 Feb 2002 18:11 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH Vial: 35
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.42	63580	107.96
10.36	93498	90.68
11.18	112290	97.42
11.93	115162	96.86
12.63	141108	107.31
13.28	123618	118.97
13.90	109154	101.21
14.49	78758	108.85
15.05	67008	97.11
15.58	35238	98.15

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.52	102605	103.94
10.45	147373	99.71
11.26	163312	102.59
12.01	171992	106.29
12.71	190704	109.94
13.36	128097	107.71
13.98	96188	107.92
14.57	78496	106.69
15.13	61540	111.80
15.66	41445	111.71

(+) = Expected Retention Time

161_35.D TPH.M Fri Feb 22 08:30:26 2002 GRO

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID1A.CH
Acq On : 21 Feb 2002 18:11
Sample : FID A 713 L 4
Misc : CCV
IntFile : AUTOINT1.E

Vial: 35
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

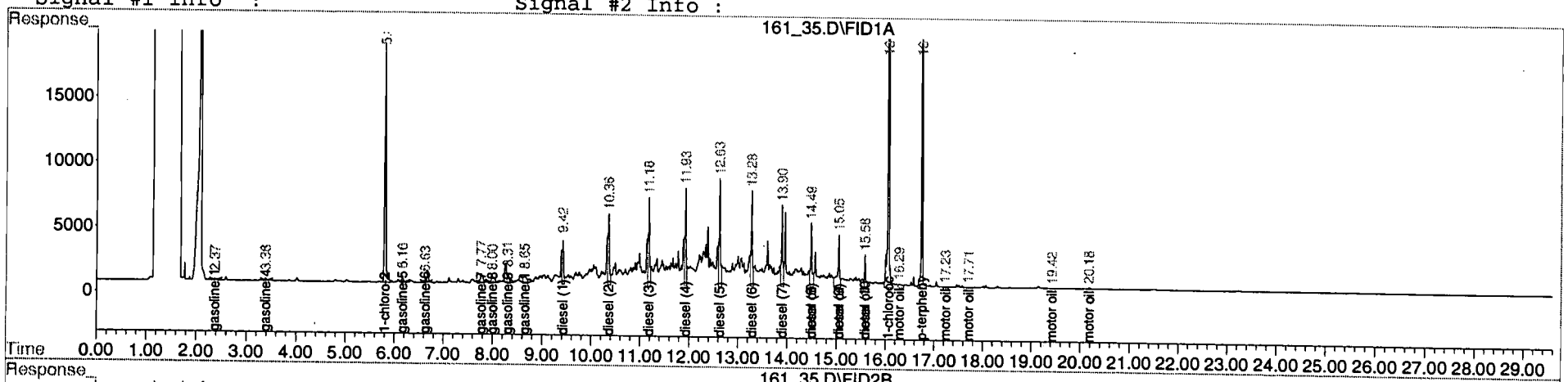
Data File : C:\HPCHEM\3\DATA\161\161_35.D\FID2B.CH
Acq On : 21 Feb 2002 18:50
Sample : FID A 713 L 4
Misc : CCV
IntFile : EVENTS2.E

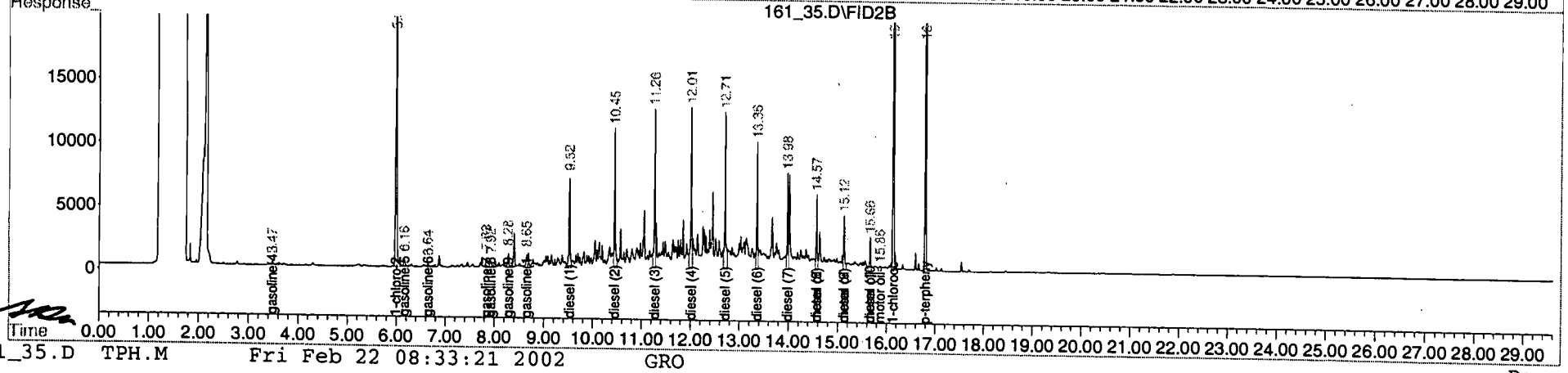
Vial: 35
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 8:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID1A.CH Vial: 36
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID2B.CH Vial: 36
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	449492	468264	12.259	11.977
Spiked Amount 10.000 Range 50 - 150 Recovery =					122.59%	119.77%
62) S 1-chlorooctadeca	16.06	16.13	1244292	1246810	25.288	25.981
Spiked Amount 20.000 Range 50 - 150 Recovery =					126.44%	129.91%
63) S p-terphenyl	16.75	16.79	738345	609400	12.112	11.859
Spiked Amount 10.000 Range 50 - 150 Recovery =					121.12%	118.59%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID1A.CH Vial: 36
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID2B.CH Vial: 36
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.	
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.	
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.	
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.	
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.	
38) L4,X SC-150 (8)	0.00	0.00	0	0	N.D.	N.D.	
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.	
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.	
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.	
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.	
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.	
46) L5,K kerosene (6)	11.31	0.00	1752	0	NoCal	N.D.	
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.	
48) L5,K kerosene (8)	12.55	0.00	1387	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	0.00	1447	0	NoCal	N.D.	
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.	
52) L6,D diesel (2)	0.00	0.00	0	0	N.D.	N.D.	
53) L6,D diesel (3)	0.00	0.00	0	0	N.D.	N.D.	
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.	
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D.	
56) L6,D diesel (6)	13.30	0.00	389	0	0.374	N.D.	#
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.	
58) L6,D diesel (8)	14.49	14.57	578	402	0.799	0.546	#
59) L6,D diesel (9)	15.03	0.00	459	0	0.665	N.D.	#
60) L6,D diesel (10)	15.58	0.00	542	0	1.508	N.D.	#
Sum diesel (1)			1968	402	3.347	0.546	
Average diesel (1)					0.837	0.546	
64) L7,O motor oil (1)	14.49	14.57	578	402	9.546	8.950	
65) L7,O motor oil (2)	15.03	0.00	459	0	4.002	N.D.	#
66) L7,O motor oil (3)	15.58	0.00	542	0	4.118	N.D.	#
67) L7,O motor oil (4)	16.29	0.00	300	0	0.896	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID1A.CH Vial: 36
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID2B.CH Vial: 36
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.24	0.00	282	0	0.523	N.D.	#
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.78	0.00	219	0	0.171	N.D.	#
72) L7,O motor oil (9)	19.43	18.90	427	2779	0.472	16.801	#
73) L7,O motor oil (10)	20.18	0.00	4212	0	5.967	N.D.	#
Sum motor oil (1)			7018	3180	25.696	25.751	
Average motor oil (1)					3.212	12.875	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

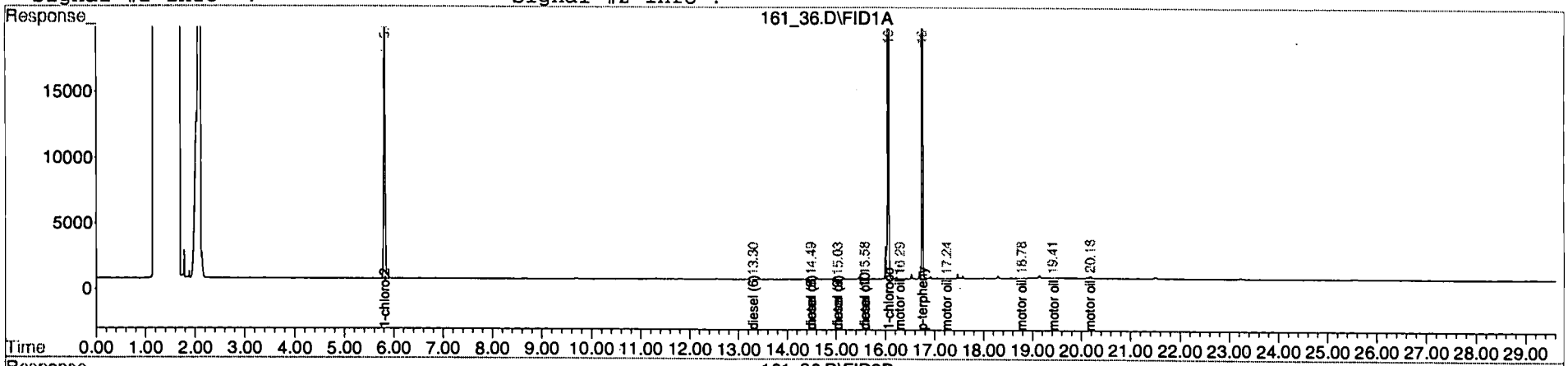
Quantitation Report (Not Reviewed)

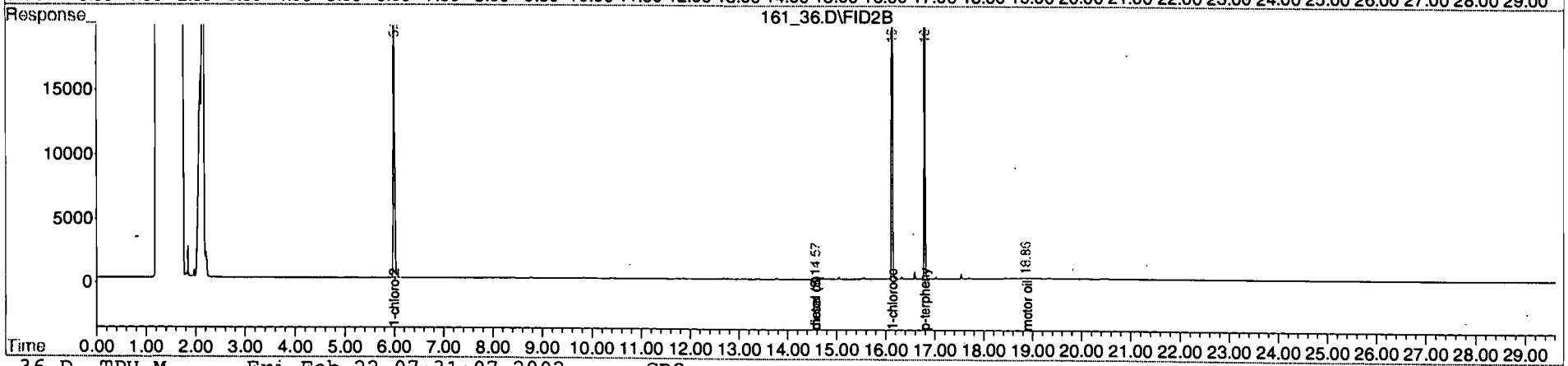
Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID1A.CH Vial: 36
Acq On : 21 Feb 2002 18:50 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_36.D\FID2B.CH Vial: 36
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : BLA 091 Inst : GC/FID In
Misc : BLA02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:30 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Before

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	550156	588138	15.005	15.043
Spiked Amount 10.000 Range 50 - 150 Recovery =					150.05%#	150.43%#
62) S 1-chlorooctadeca	16.06	16.13	1296417	1277628	26.347	26.623
Spiked Amount 20.000 Range 50 - 150 Recovery =					131.74%	133.12%
63) S p-terphenyl	16.75	16.80	765763	619299	12.562	12.052
Spiked Amount 10.000 Range 50 - 150 Recovery =					125.62%	120.52%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	52582	231318	79.883	91.085
2) L1,A gasoline(2)	3.00	3.17	82798	88596	88.270	92.482
3) L1,A gasoline(3)	3.07	3.25	73160	70375	89.111	89.061
4) L1,A gasoline(4)	3.39	3.47	425468	458573	88.303	89.472
5) L1,A gasoline(5)	6.17	6.16	327792	362642	89.633	89.330
6) L1,A gasoline(6)	6.63	6.64	131403	142617	90.196	88.901
7) L1,A gasoline(7)	7.77	7.83	189330	182686	104.586	88.508
8) L1,A gasoline(8)	7.98	7.93	57009	63342	89.718	88.265
9) L1,A gasoline(9)	8.31	8.27	196572	197643	222.660	88.074 #
10) L1,A gasoline(10)	8.65	8.64	25787	47479	114.757	91.767
Sum gasoline(1)			1561903	1845272	1057.116	896.945
Average gasoline(1)					105.712	89.694
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.00	0.00	82798	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19658	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	142617	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.01	50798	7823	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	38071	16134	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.13	5258	11741	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	14521	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.45	0	2650	N.D.	NoCal
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.03	8.01	45138	7823	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	6941	N.D.	NoCal
26) L3,P mineral spirits	0.00	8.69	0	5636	N.D.	NoCal
27) L3,P mineral spirits	9.27	0.00	36529	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	6027	6479	NoCal	NoCal
29) L3,P mineral spirits	9.86	10.03	9642	31605	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.46	5696	16994	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.	
32) L4,X SC-150 (2)	9.31	9.17	27550	16134	NoCal	NoCal	
33) L4,X SC-150 (3)	9.31	9.17	27550	16134	NoCal	NoCal	
34) L4,X SC-150 (4)	9.54	9.44	5282	4860	NoCal	NoCal	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	9.94	0.00	13447	0	NoCal	N.D.	
37) L4,X SC-150 (7)	9.94	9.92	13447	16984	NoCal	NoCal	
38) L4,X SC-150 (8)	10.21	10.08	3988	5367	NoCal	NoCal	
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	6.87	0	14521	N.D.	NoCal	
42) L5,K kerosene (2)	0.00	8.40	0	6941	N.D.	NoCal	
43) L5,K kerosene (3)	0.00	9.52	0	6479	N.D.	NoCal	
44) L5,K kerosene (4)	9.57	10.46	6027	16994	NoCal	NoCal	
45) L5,K kerosene (5)	0.00	10.56	0	3879	N.D.	NoCal	
46) L5,K kerosene (6)	11.35	11.04	10573	4800	NoCal	NoCal	
47) L5,K kerosene (7)	12.08	0.00	1704	0	NoCal	N.D.	
48) L5,K kerosene (8)	12.55	0.00	2310	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	0.00	715	0	NoCal	N.D.	
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	0.00	9.52	0	6479	N.D.	6.563	#
52) L6,D diesel (2)	10.37	10.46	16147	16994	15.660	11.498	#
53) L6,D diesel (3)	11.18	0.00	3855	0	3.344	N.D.	#
54) L6,D diesel (4)	11.93	0.00	1122	0	0.944	N.D.	#
55) L6,D diesel (5)	12.63	0.00	418	0	0.318	N.D.	#
56) L6,D diesel (6)	13.29	0.00	717	0	0.690	N.D.	#
57) L6,D diesel (7)	13.90	0.00	968	0	0.897	N.D.	#
58) L6,D diesel (8)	14.49	14.57	740	602	1.023	0.818	
59) L6,D diesel (9)	15.05	15.13	605	604	0.877	1.097	#
60) L6,D diesel (10)	15.58	15.66	238	235	0.662	0.634	
Sum diesel (1)			24809	24913	24.415	20.609	
Average diesel (1)					2.713	4.122	
64) L7,O motor oil (1)	14.49	14.57	740	602	12.220	13.403	
65) L7,O motor oil (2)	15.05	15.13	605	604	5.276	7.208	#
66) L7,O motor oil (3)	15.58	15.66	238	235	1.808	1.650	
67) L7,O motor oil (4)	16.29	0.00	522	0	1.558	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.	
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.42	0.00	4192	0	4.633	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	1963	0	2.781	N.D.	#
Sum motor oil (1)			8260	1441	28.277	22.260	
Average motor oil (1)					4.713	7.420	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH
Acq On : 21 Feb 2002 19:29
Sample : LCS 328
Misc :
IntFile : AUTOINT1.E

Vial: 37
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

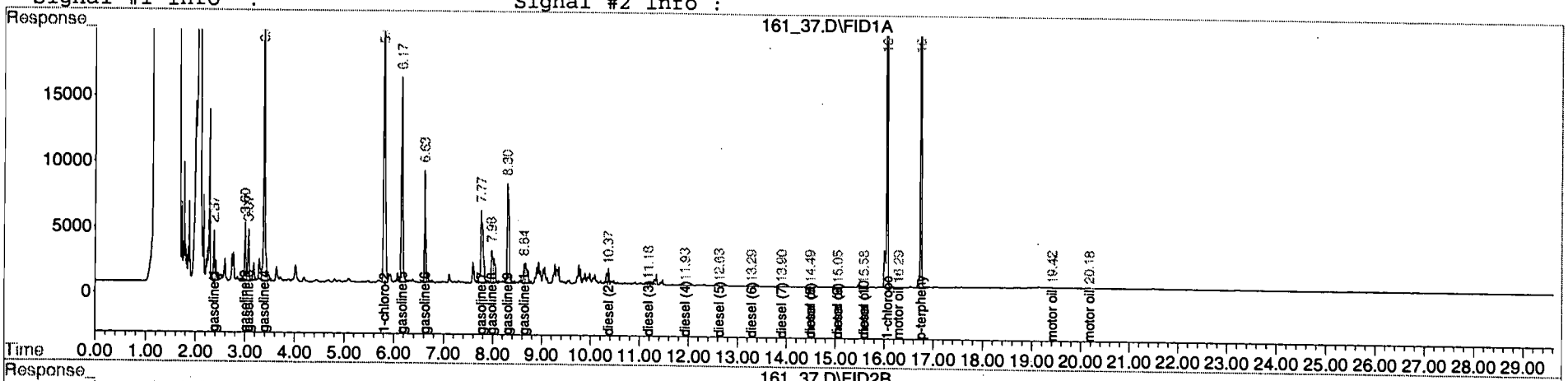
Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH
Acq On : 21 Feb 2002 20:09
Sample : LCS 328
Misc :
IntFile : EVENTS2.E

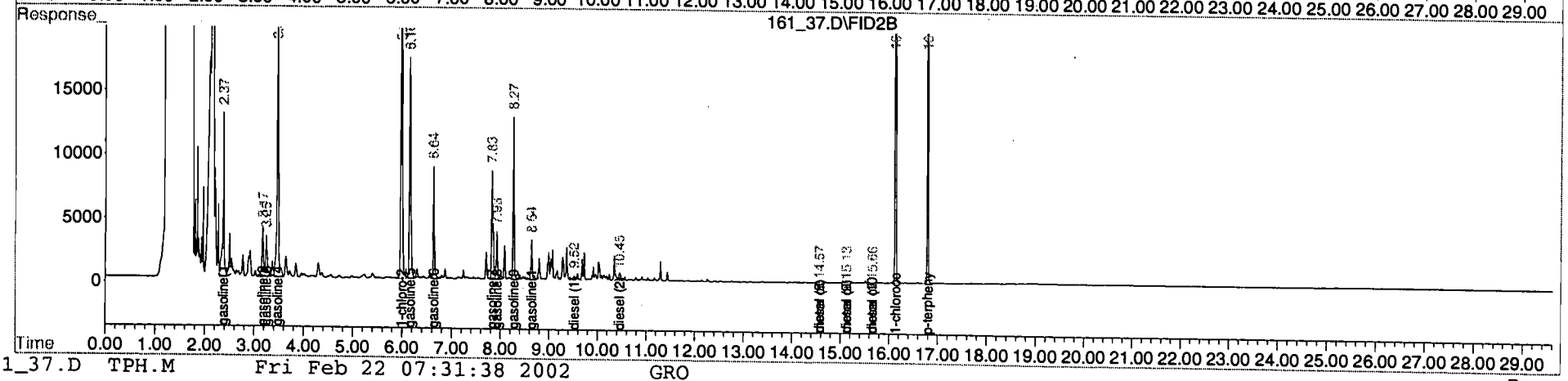
Vial: 37
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





107

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:36 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

After

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	550156	588138	15.005	15.043
Spiked Amount 10.000 Range 50 - 150 Recovery =					150.05%#	150.43%#
62) S 1-chlorooctadeca	16.06	16.13	1296417	1277628	26.347	26.623
Spiked Amount 20.000 Range 50 - 150 Recovery =					131.74%	133.12%
63) S p-terphenyl	16.75	16.80	765763	619299	12.562	12.052
Spiked Amount 10.000 Range 50 - 150 Recovery =					125.62%	120.52%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	52582	231318	79.883	91.085
2) L1,A gasoline(2)	3.00	3.17	82798	88596	88.270	92.482
3) L1,A gasoline(3)	3.07	3.25	73160	70375	89.111	89.061
4) L1,A gasoline(4)	3.39	3.47	425468	458573	88.303	89.472
5) L1,A gasoline(5)	6.17	6.16	327792	362642	89.633	89.330
6) L1,A gasoline(6)	6.63	6.64	131403	142617	90.196	88.901
7) L1,A gasoline(7)	7.77	7.83	189330	182686	104.586	88.508
8) L1,A gasoline(8)	7.98	7.93	57009	63342	89.718	88.265
9) L1,A gasoline(9)	8.30	8.27	91520	197643	103.666m	88.074
10) L1,A gasoline(10)	8.65	8.64	25787	47479	114.757	91.767
Sum gasoline(1)			1456850	1845272	938.122	896.945
Average gasoline(1)					93.812	89.694
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.00	0.00	82798	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19658	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	142617	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.01	50798	7823	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	38071	16134	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.13	5258	11741	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	14521	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.45	0	2650	N.D.	NoCal
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.03	8.01	45138	7823	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	6941	N.D.	NoCal
26) L3,P mineral spirits	0.00	8.69	0	5636	N.D.	NoCal
27) L3,P mineral spirits	9.27	0.00	36529	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	6027	6479	NoCal	NoCal
29) L3,P mineral spirits	9.86	10.03	9642	31605	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.46	5696	16994	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:36 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.	
32) L4,X SC-150 (2)	9.31	9.17	27550	16134	NoCal	NoCal	
33) L4,X SC-150 (3)	9.31	9.17	27550	16134	NoCal	NoCal	
34) L4,X SC-150 (4)	9.54	9.44	5282	4860	NoCal	NoCal	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	9.94	0.00	13447	0	NoCal	N.D.	
37) L4,X SC-150 (7)	9.94	9.92	13447	16984	NoCal	NoCal	
38) L4,X SC-150 (8)	10.21	10.08	3988	5367	NoCal	NoCal	
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	6.87	0	14521	N.D.	NoCal	
42) L5,K kerosene (2)	0.00	8.40	0	6941	N.D.	NoCal	
43) L5,K kerosene (3)	0.00	9.52	0	6479	N.D.	NoCal	
44) L5,K kerosene (4)	9.57	10.46	6027	16994	NoCal	NoCal	
45) L5,K kerosene (5)	0.00	10.56	0	3879	N.D.	NoCal	
46) L5,K kerosene (6)	11.35	11.04	10573	4800	NoCal	NoCal	
47) L5,K kerosene (7)	12.08	0.00	1704	0	NoCal	N.D.	
48) L5,K kerosene (8)	12.55	0.00	2310	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	0.00	715	0	NoCal	N.D.	
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	0.00	9.52	0	6479	N.D.	6.563	#
52) L6,D diesel (2)	10.37	10.46	16147	16994	15.660	11.498	#
53) L6,D diesel (3)	11.18	0.00	3855	0	3.344	N.D.	#
54) L6,D diesel (4)	11.93	0.00	1122	0	0.944	N.D.	#
55) L6,D diesel (5)	12.63	0.00	418	0	0.318	N.D.	#
56) L6,D diesel (6)	13.29	0.00	717	0	0.690	N.D.	#
57) L6,D diesel (7)	13.90	0.00	968	0	0.897	N.D.	#
58) L6,D diesel (8)	14.49	14.57	740	602	1.023	0.818	
59) L6,D diesel (9)	15.05	15.13	605	604	0.877	1.097	#
60) L6,D diesel (10)	15.58	15.66	238	235	0.662	0.634	
Sum diesel (1)			24809	24913	24.415	20.609	
Average diesel (1)					2.713	4.122	
64) L7,O motor oil (1)	14.49	14.57	740	602	12.220	13.403	
65) L7,O motor oil (2)	15.05	15.13	605	604	5.276	7.208	#
66) L7,O motor oil (3)	15.58	15.66	238	235	1.808	1.650	
67) L7,O motor oil (4)	16.29	0.00	522	0	1.558	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:36 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.	
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.42	0.00	4192	0	4.633	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	1963	0	2.781	N.D.	#
Sum motor oil (1)			8260	1441	28.277	22.260	
Average motor oil (1)					4.713	7.420	

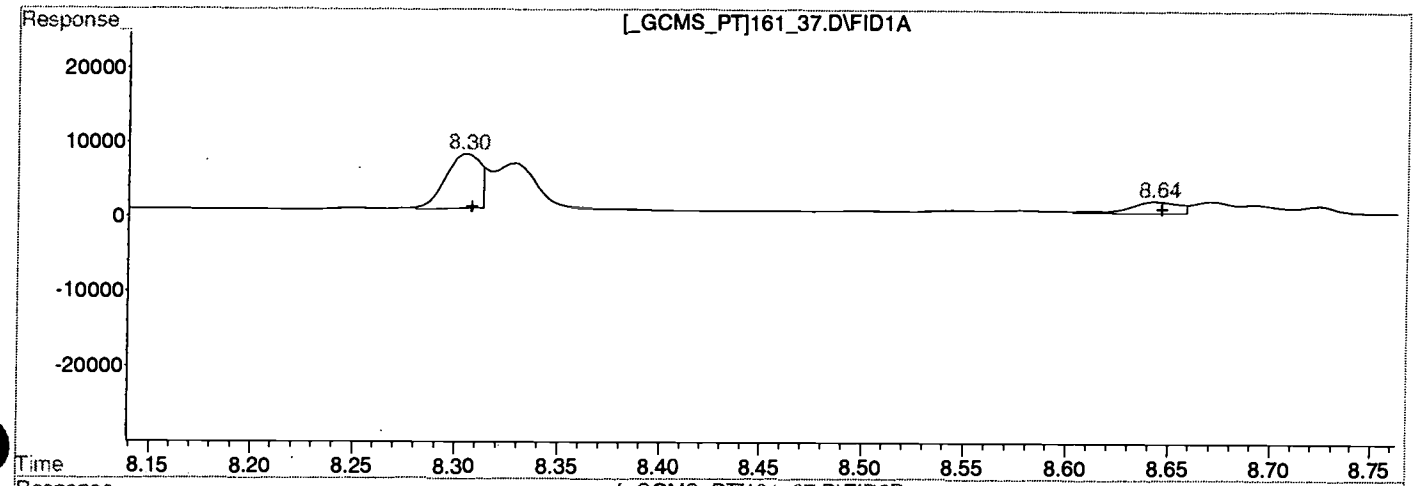
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

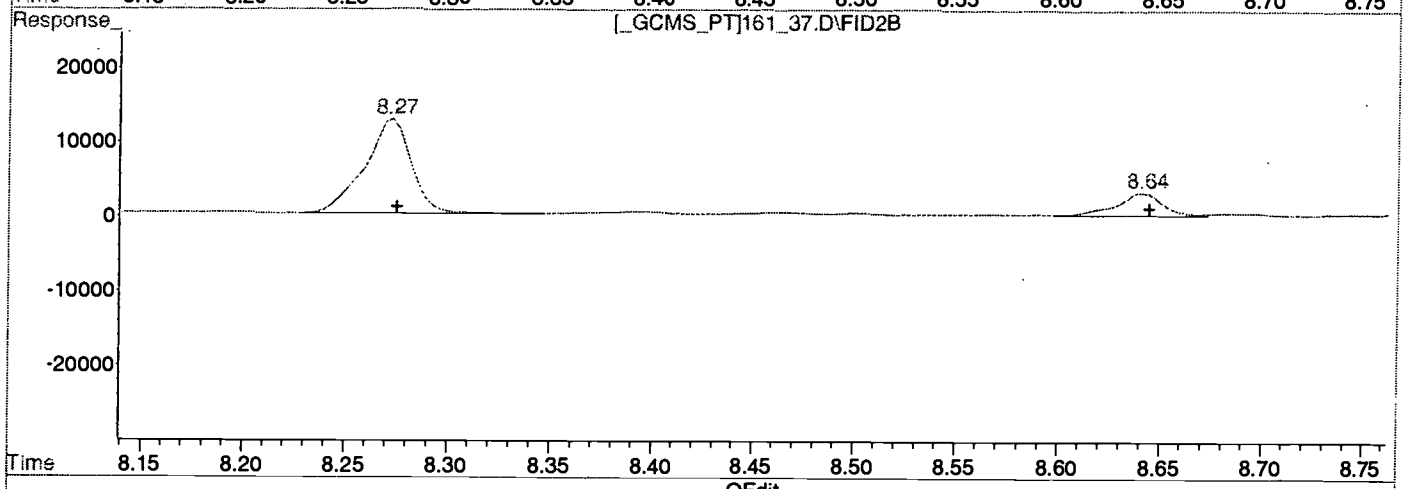
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH Vial: 37
Acq On : 21 Feb 2002 19:29 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH Vial: 37
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : LCS 328 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.37	52582	79.88
3.00	82798	88.27
3.07	73160	89.11
3.39	425468	88.30
6.17	327792	89.63
6.63	131403	90.20
7.77	189330	104.59
7.98	57009	89.72
8.30	91520	103.67
8.65	25787	114.76

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.38	231318	91.08
3.17	88596	92.48
3.25	70375	89.06
3.47	458573	89.47
6.16	362642	89.33
6.64	142617	88.90
7.83	182686	88.51
7.93	63342	88.26
8.27	197643	88.07
8.64	47479	91.77

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID1A.CH
Acq On : 21 Feb 2002 19:29
Sample : LCS 328
Misc :
IntFile : AUTOINT1.E

Vial: 37
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

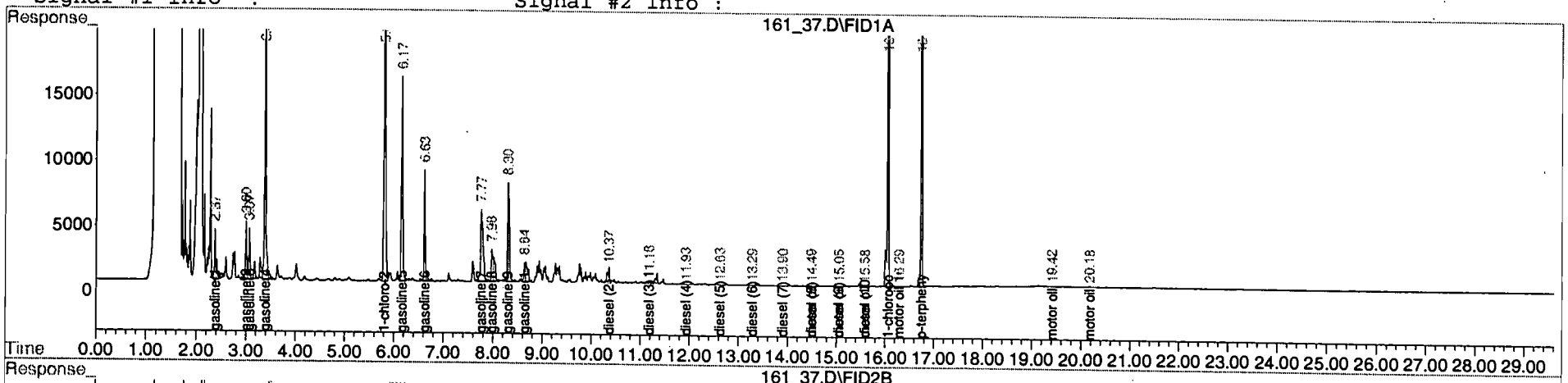
Data File : C:\HPCHEM\3\DATA\161\161_37.D\FID2B.CH
Acq On : 21 Feb 2002 20:09
Sample : LCS 328
Misc :
IntFile : EVENTS2.E

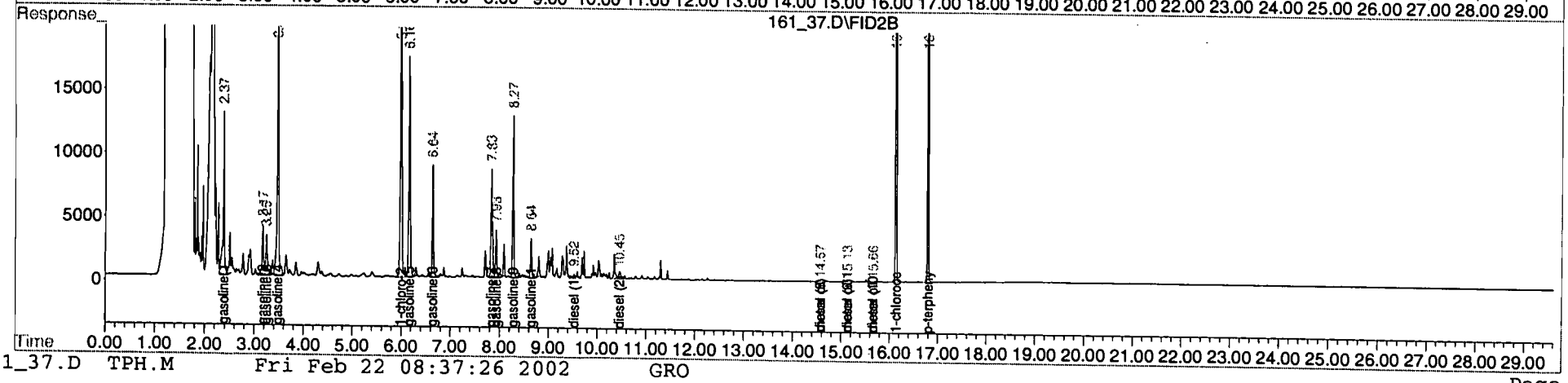
Vial: 37
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 8:36 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





112

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID1A.CH Vial: 38
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID2B.CH Vial: 38
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	462593	489006	12.616	12.508
Spiked Amount 10.000 Range 50 - 150 Recovery =					126.16%	125.08%
62) S 1-chlorooctadeca	16.06	16.13	1265210	1279072	25.713	26.653
Spiked Amount 20.000 Range 50 - 150 Recovery =					128.57%	133.26%
63) S p-terphenyl	16.75	16.79	669295	561738	10.979	10.932
Spiked Amount 10.000 Range 50 - 150 Recovery =					109.79%	109.32%
Target Compounds						
1) L1,A gasoline(1)	0.00	0.00	0	0	N.D.	N.D.
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	0.00	0	0	N.D.	N.D.
5) L1,A gasoline(5)	0.00	0.00	0	0	N.D.	N.D.
6) L1,A gasoline(6)	0.00	0.00	0	0	N.D.	N.D.
7) L1,A gasoline(7)	0.00	0.00	0	0	N.D.	N.D.
8) L1,A gasoline(8)	0.00	0.00	0	0	N.D.	N.D.
9) L1,A gasoline(9)	0.00	0.00	0	0	N.D.	N.D.
10) L1,A gasoline(10)	0.00	0.00	0	0	N.D.	N.D.
Sum gasoline(1)			0	0	N.D.	N.D.
Average gasoline(1)					0.000	0.000
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	0.00	0	0	N.D.	N.D.
15) L2,J JP-4 (5)	0.00	0.00	0	0	N.D.	N.D.
16) L2,J JP-4 (6)	0.00	0.00	0	0	N.D.	N.D.
17) L2,J JP-4 (7)	0.00	0.00	0	0	N.D.	N.D.
18) L2,J JP-4 (8)	0.00	0.00	0	0	N.D.	N.D.
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
25) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
26) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
27) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
28) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
29) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
30) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.

(#) = qualifier out of range (##) = amounts differ by > 25% (m)=manual int

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID1A.CH Vial: 38
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID2B.CH Vial: 38
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	0.00	0	0	N.D.	N.D.
32) L4,X SC-150 (2)	0.00	0.00	0	0	N.D.	N.D.
33) L4,X SC-150 (3)	0.00	0.00	0	0	N.D.	N.D.
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	0.00	0.00	0	0	N.D.	N.D.
37) L4,X SC-150 (7)	0.00	0.00	0	0	N.D.	N.D.
38) L4,X SC-150 (8)	10.20	0.00	345	0	NoCal	N.D.
39) L4,X SC-150 (9)	0.00	0.00	0	0	N.D.	N.D.
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	0.00	0	0	N.D.	N.D.
42) L5,K kerosene (2)	0.00	0.00	0	0	N.D.	N.D.
43) L5,K kerosene (3)	0.00	0.00	0	0	N.D.	N.D.
44) L5,K kerosene (4)	0.00	0.00	0	0	N.D.	N.D.
45) L5,K kerosene (5)	0.00	0.00	0	0	N.D.	N.D.
46) L5,K kerosene (6)	11.31	0.00	2753	0	NoCal	N.D.
47) L5,K kerosene (7)	0.00	0.00	0	0	N.D.	N.D.
48) L5,K kerosene (8)	12.55	0.00	972	0	NoCal	N.D.
49) L5,K kerosene (9)	12.78	0.00	1136	0	NoCal	N.D.
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	0.00	0	0	N.D.	N.D.
52) L6,D diesel (2)	0.00	0.00	0	0	N.D.	N.D.
53) L6,D diesel (3)	0.00	0.00	0	0	N.D.	N.D.
54) L6,D diesel (4)	0.00	0.00	0	0	N.D.	N.D.
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D.
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.
58) L6,D diesel (8)	14.49	14.57	406	404	0.561	0.550
59) L6,D diesel (9)	0.00	0.00	0	0	N.D.	N.D.
60) L6,D diesel (10)	0.00	0.00	0	0	N.D.	N.D.
Sum diesel (1)			406	404	0.561	0.550
Average diesel (1)					0.561	0.550
64) L7,O motor oil (1)	14.49	14.57	406	404	6.702	9.005 #
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D.	N.D.
66) L7,O motor oil (3)	0.00	0.00	0	0	N.D.	N.D.
67) L7,O motor oil (4)	16.29	0.00	742	0	2.218	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID1A.CH Vial: 38
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID2B.CH Vial: 38
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
68) L7,O motor oil (5)	0.00	0.00	0	0	N.D.	N.D.
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.
72) L7,O motor oil (9)	19.42	18.89	9226	510	10.197	3.081 #
73) L7,O motor oil (10)	20.18	0.00	3483	0	4.935	N.D. #
Sum motor oil (1)			13857	914	24.050	12.086
Average motor oil (1)					6.013	6.043

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

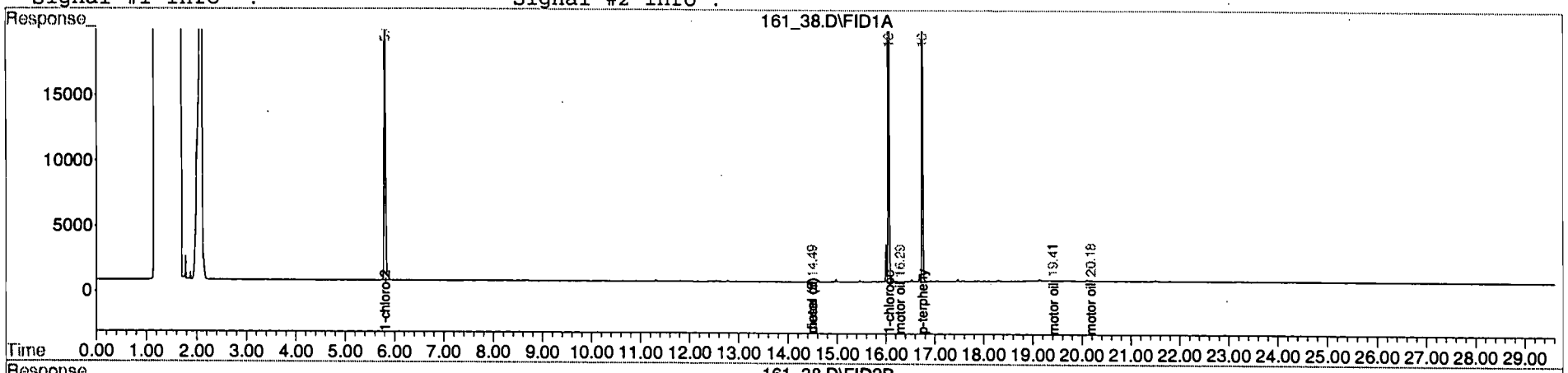
Quantitation Report (Not Reviewed)

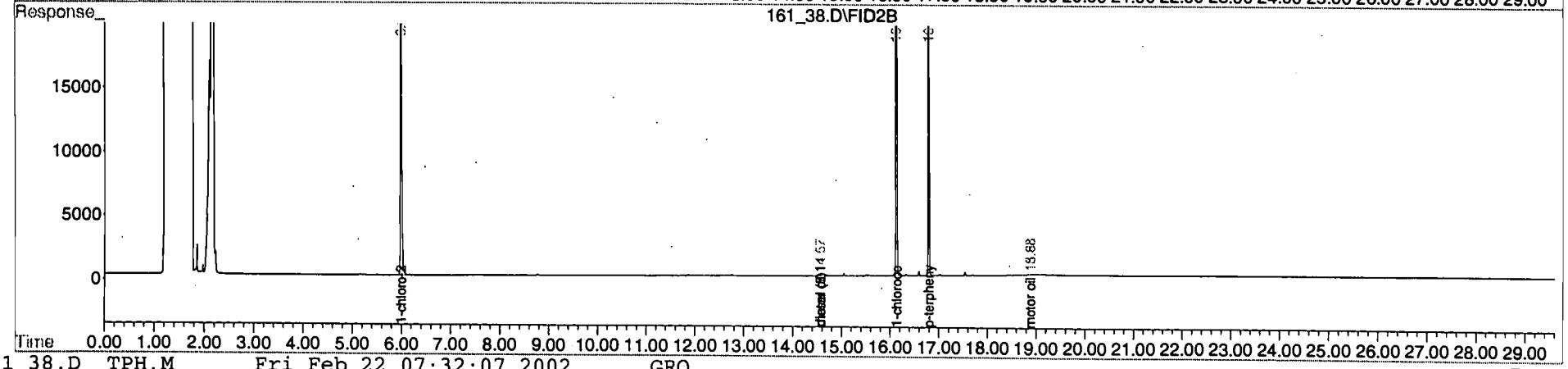
Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID1A.CH Vial: 38
Acq On : 21 Feb 2002 20:09 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_38.D\FID2B.CH Vial: 38
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 Inst : GC/FID In
Misc : Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:31 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	544305	591810	14.845	15.137
Spiked Amount 10.000 Range 50 - 150 Recovery =					148.45%	151.37%#
62) S 1-chlorooctadeca	16.06	16.13	1237225	1259997	25.144	26.256
Spiked Amount 20.000 Range 50 - 150 Recovery =					125.72%	131.28%
63) S p-terphenyl	16.75	16.79	736313	596653	12.078	11.611
Spiked Amount 10.000 Range 50 - 150 Recovery =					120.78%	116.11%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	52504	234355	79.765	92.281
2) L1,A gasoline(2)	3.00	3.18	82616	88900	88.076	92.800
3) L1,A gasoline(3)	3.07	3.25	73381	72145	89.380	91.302
4) L1,A gasoline(4)	3.39	3.48	424346	464709	88.070	90.669
5) L1,A gasoline(5)	6.17	6.16	326284	367009	89.221	90.406
6) L1,A gasoline(6)	6.63	6.64	131268	144184	90.103	89.877
7) L1,A gasoline(7)	7.79	7.83	91177	184642	50.366	89.456 #
8) L1,A gasoline(8)	8.01	7.93	50573	64230	79.590	89.501
9) L1,A gasoline(9)	8.30	8.27	77954	200043	88.300	89.144
10) L1,A gasoline(10)	8.64	8.64	20124	47989	89.556	92.753
Sum gasoline(1)			1330230	1868206	832.427	908.188
Average gasoline(1)					83.243	90.819
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.00	0.00	82616	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19784	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	144184	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.01	36380	8005	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	22298	16418	NoCal	NoCal
18) L2,J JP-4 (8)	10.71	10.13	1905	12069	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	12.27	0.00	791	0	NoCal	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	14436	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.45	0	2730	N.D.	NoCal
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.01	8.01	50573	8005	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.39	0	7129	N.D.	NoCal
26) L3,P mineral spirits	8.73	8.69	17108	5921	NoCal	NoCal
27) L3,P mineral spirits	9.27	0.00	22884	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	5057	6560	NoCal	NoCal
29) L3,P mineral spirits	9.85	10.03	7010	31991	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.45	5968	17438	NoCal	NoCal

(*) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	9.24	0.00	9443	0	NoCal	N.D.	
32) L4,X SC-150 (2)	9.31	9.17	26685	16418	NoCal	NoCal	
33) L4,X SC-150 (3)	9.31	9.17	26685	16418	NoCal	NoCal	
34) L4,X SC-150 (4)	9.53	9.44	3723	5143	NoCal	NoCal	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	9.94	0.00	11453	0	NoCal	N.D.	
37) L4,X SC-150 (7)	9.99	9.92	15993	17850	NoCal	NoCal	
38) L4,X SC-150 (8)	10.21	10.08	3858	5681	NoCal	NoCal	
39) L4,X SC-150 (9)	10.25	10.35	1739	33145	NoCal	NoCal	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	6.87	0	14436	N.D.	NoCal	
42) L5,K kerosene (2)	0.00	8.39	0	7129	N.D.	NoCal	
43) L5,K kerosene (3)	0.00	9.52	0	6560	N.D.	NoCal	
44) L5,K kerosene (4)	9.57	10.45	5057	17438	NoCal	NoCal	
45) L5,K kerosene (5)	10.52	10.56	1524	4041	NoCal	NoCal	
46) L5,K kerosene (6)	11.35	11.03	12203	5427	NoCal	NoCal	
47) L5,K kerosene (7)	12.08	0.00	1107	0	NoCal	N.D.	
48) L5,K kerosene (8)	12.55	0.00	3338	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	12.69	1197	3316	NoCal	NoCal	
50) L5,K kerosene (10)	13.46	0.00	418	0	NoCal	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	9.42	9.52	4807	6560	8.161	6.645	
52) L6,D diesel (2)	10.37	10.45	20091	17438	19.486	11.798	#
53) L6,D diesel (3)	11.18	0.00	3432	0	2.978	N.D.	#
54) L6,D diesel (4)	11.93	0.00	391	0	0.329	N.D.	#
55) L6,D diesel (5)	12.63	12.69	515	3316	0.392	1.911	#
56) L6,D diesel (6)	13.29	0.00	815	0	0.784	N.D.	#
57) L6,D diesel (7)	13.90	0.00	709	0	0.658	N.D.	#
58) L6,D diesel (8)	14.49	14.57	561	560	0.775	0.761	
59) L6,D diesel (9)	15.05	15.13	349	579	0.506	1.052	#
60) L6,D diesel (10)	15.59	0.00	161	0	0.449	N.D.	#
Sum diesel (1)			31832	28452	34.518	22.167	
Average diesel (1)					3.452	4.433	
64) L7,O motor oil (1)	14.49	14.57	561	560	9.259	12.470	#
65) L7,O motor oil (2)	15.05	15.13	349	579	3.046	6.912	#
66) L7,O motor oil (3)	15.59	0.00	161	0	1.227	N.D.	#
67) L7,O motor oil (4)	16.29	0.00	460	0	1.373	N.D.	#

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.23	0.00	1361	0	2.524	N.D.	#
69) L7,O motor oil (6)	17.68	0.00	375	0	0.663	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.43	0.00	2887	0	3.191	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	3413	0	4.835	N.D.	#
Sum motor oil (1)			9567	1139	26.117	19.382	
Average motor oil (1)					3.265	9.691	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH
Acq On : 21 Feb 2002 20:48
Sample : A584991 MS
Misc : SPI02
IntFile : AUTOINT1.E

Vial: 39
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

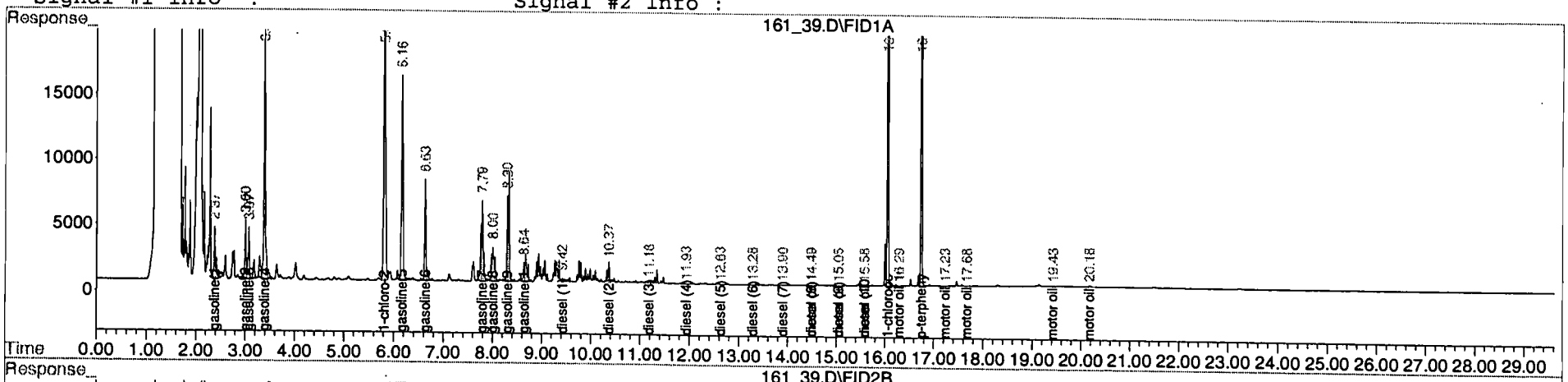
Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH
Acq On : 21 Feb 2002 21:28
Sample : A584991 MS
Misc : SPI02
IntFile : EVENTS2.E

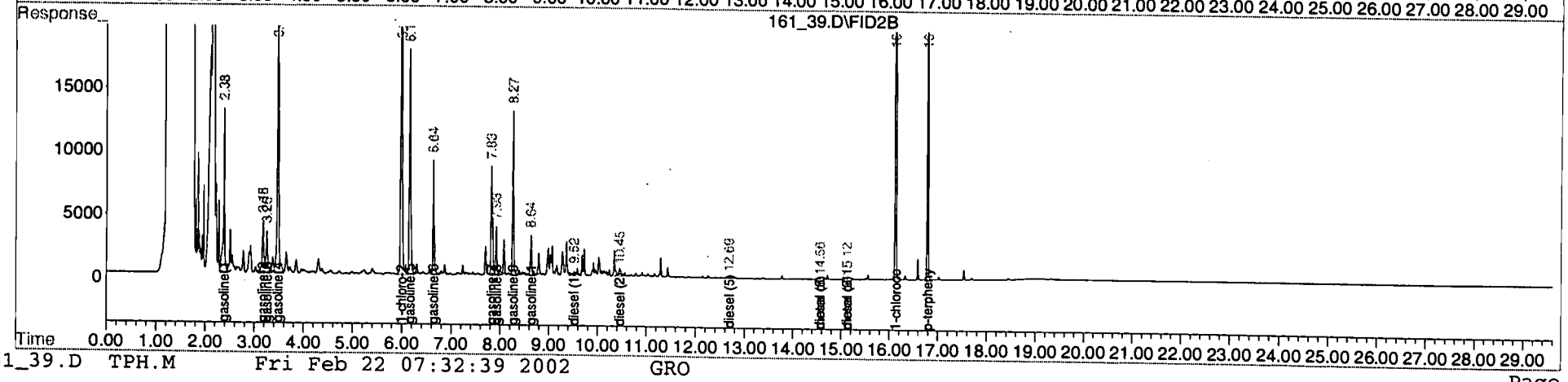
Vial: 39
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:40 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

After

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.99	532929	563866	14.535m	14.422m
Spiked Amount 10.000 Range 50 - 150 Recovery =					145.35%	144.22%
62) S 1-chlorooctadeca	16.06	16.13	1237225	1259997	25.144	26.256
Spiked Amount 20.000 Range 50 - 150 Recovery =					125.72%	131.28%
63) S p-terphenyl	16.75	16.79	736313	596653	12.078	11.611
Spiked Amount 10.000 Range 50 - 150 Recovery =					120.78%	116.11%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	52504	234355	79.765	92.281
2) L1,A gasoline(2)	3.00	3.18	82616	88900	88.076	92.800
3) L1,A gasoline(3)	3.07	3.25	73381	72145	89.380	91.302
4) L1,A gasoline(4)	3.39	3.48	424346	464709	88.070	90.669
5) L1,A gasoline(5)	6.17	6.16	326284	367009	89.221	90.406
6) L1,A gasoline(6)	6.63	6.64	131268	144184	90.103	89.877
7) L1,A gasoline(7)	7.79	7.83	165462	184642	91.401m	89.456
8) L1,A gasoline(8)	8.01	7.93	50573	64230	79.590	89.501
9) L1,A gasoline(9)	8.30	8.27	77954	200043	88.300	89.144
10) L1,A gasoline(10)	8.64	8.64	20124	47989	89.556	92.753
Sum gasoline(1)			1404515	1868206	873.462	908.188
Average gasoline(1)					87.346	90.819
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.00	0.00	82616	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19784	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	144184	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.01	36380	8005	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	22298	16418	NoCal	NoCal
18) L2,J JP-4 (8)	10.71	10.13	1905	12069	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	12.27	0.00	791	0	NoCal	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	14436	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.45	0	2730	N.D.	NoCal
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.01	8.01	50573	8005	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.39	0	7129	N.D.	NoCal
26) L3,P mineral spirits	8.73	8.69	17108	5921	NoCal	NoCal
27) L3,P mineral spirits	9.27	0.00	22884	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	5057	6560	NoCal	NoCal
29) L3,P mineral spirits	9.85	10.03	7010	31991	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.45	5968	17438	NoCal	NoCal

(m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:40 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	9.24	0.00	9443	0	NoCal	N.D.	
32) L4,X SC-150 (2)	9.31	9.17	26685	16418	NoCal	NoCal	
33) L4,X SC-150 (3)	9.31	9.17	26685	16418	NoCal	NoCal	
34) L4,X SC-150 (4)	9.53	9.44	3723	5143	NoCal	NoCal	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	9.94	0.00	11453	0	NoCal	N.D.	
37) L4,X SC-150 (7)	9.99	9.92	15993	17850	NoCal	NoCal	
38) L4,X SC-150 (8)	10.21	10.08	3858	5681	NoCal	NoCal	
39) L4,X SC-150 (9)	10.25	10.35	1739	33145	NoCal	NoCal	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	6.87	0	14436	N.D.	NoCal	
42) L5,K kerosene (2)	0.00	8.39	0	7129	N.D.	NoCal	
43) L5,K kerosene (3)	0.00	9.52	0	6560	N.D.	NoCal	
44) L5,K kerosene (4)	9.57	10.45	5057	17438	NoCal	NoCal	
45) L5,K kerosene (5)	10.52	10.56	1524	4041	NoCal	NoCal	
46) L5,K kerosene (6)	11.35	11.03	12203	5427	NoCal	NoCal	
47) L5,K kerosene (7)	12.08	0.00	1107	0	NoCal	N.D.	
48) L5,K kerosene (8)	12.55	0.00	3338	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	12.69	1197	3316	NoCal	NoCal	
50) L5,K kerosene (10)	13.46	0.00	418	0	NoCal	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	9.42	9.52	4807	6560	8.161	6.645	
52) L6,D diesel (2)	10.37	10.45	20091	17438	19.486	11.798	#
53) L6,D diesel (3)	11.18	0.00	3432	0	2.978	N.D.	#
54) L6,D diesel (4)	11.93	0.00	391	0	0.329	N.D.	#
55) L6,D diesel (5)	12.63	12.69	515	3316	0.392	1.911	#
56) L6,D diesel (6)	13.29	0.00	815	0	0.784	N.D.	#
57) L6,D diesel (7)	13.90	0.00	709	0	0.658	N.D.	#
58) L6,D diesel (8)	14.49	14.57	561	560	0.775	0.761	
59) L6,D diesel (9)	15.05	15.13	349	579	0.506	1.052	#
60) L6,D diesel (10)	15.59	0.00	161	0	0.449	N.D.	#
Sum diesel (1)			31832	28452	34.518	22.167	
Average diesel (1)					3.452	4.433	
64) L7,O motor oil (1)	14.49	14.57	561	560	9.259	12.470	#
65) L7,O motor oil (2)	15.05	15.13	349	579	3.046	6.912	#
66) L7,O motor oil (3)	15.59	0.00	161	0	1.227	N.D.	#
67) L7,O motor oil (4)	16.29	0.00	460	0	1.373	N.D.	#

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:40 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.23	0.00	1361	0	2.524	N.D.	#
69) L7,O motor oil (6)	17.68	0.00	375	0	0.663	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	0.00	0.00	0	0	N.D.	N.D.	
72) L7,O motor oil (9)	19.43	0.00	2887	0	3.191	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	3413	0	4.835	N.D.	#
Sum motor oil (1)			9567	1139	26.117	19.382	
Average motor oil (1)					3.265	9.691	

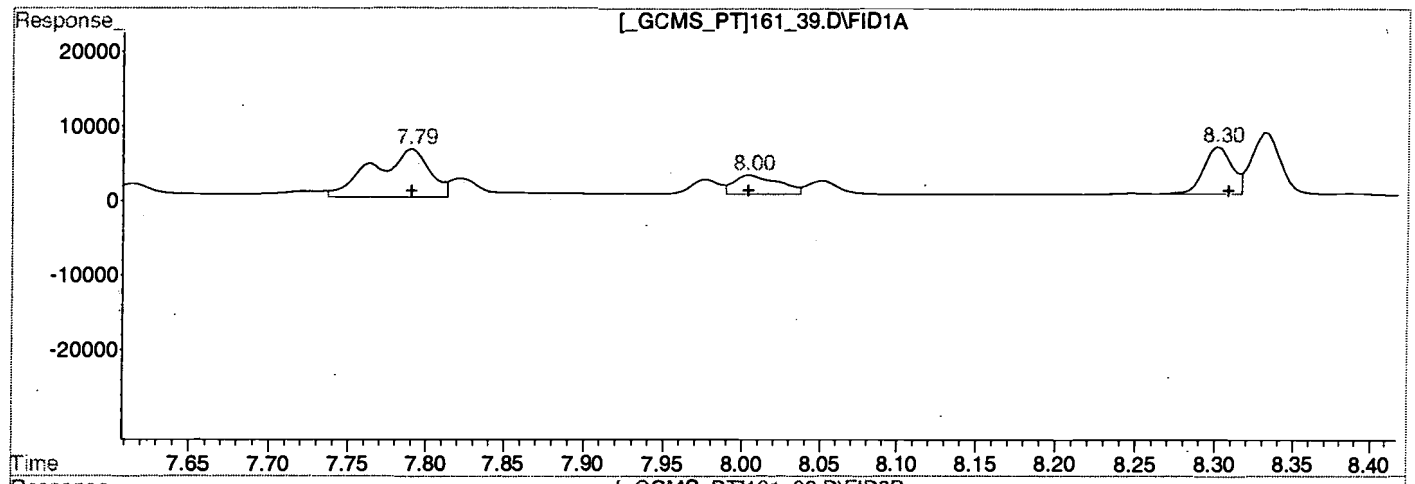
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

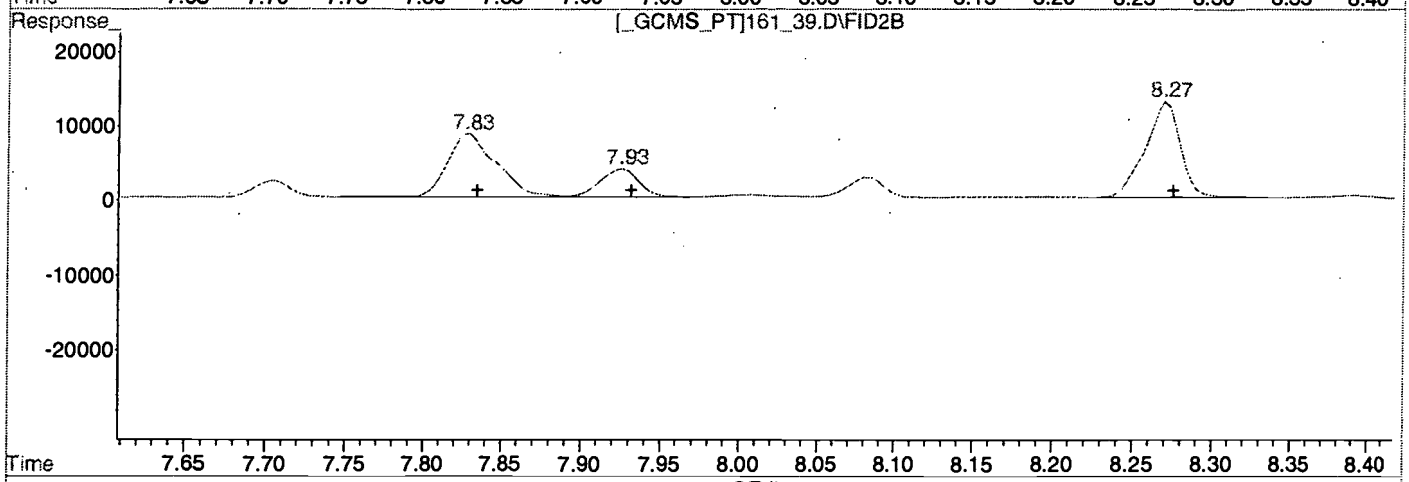
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.37	52504	79.76
3.00	82616	88.08
3.07	73381	89.38
3.39	424346	88.07
6.17	326284	89.22
6.63	131268	90.10
7.79	165462	91.40
8.01	50573	79.59
8.30	77954	88.30
8.64	20124	89.56

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.38	234355	92.28
3.18	88900	92.80
3.25	72145	91.30
3.48	464709	90.67
6.16	367009	90.41
6.64	144184	89.88
7.83	184642	89.46
7.93	64230	89.50
8.27	200043	89.14
8.64	47989	92.75

(+) = Expected Retention Time

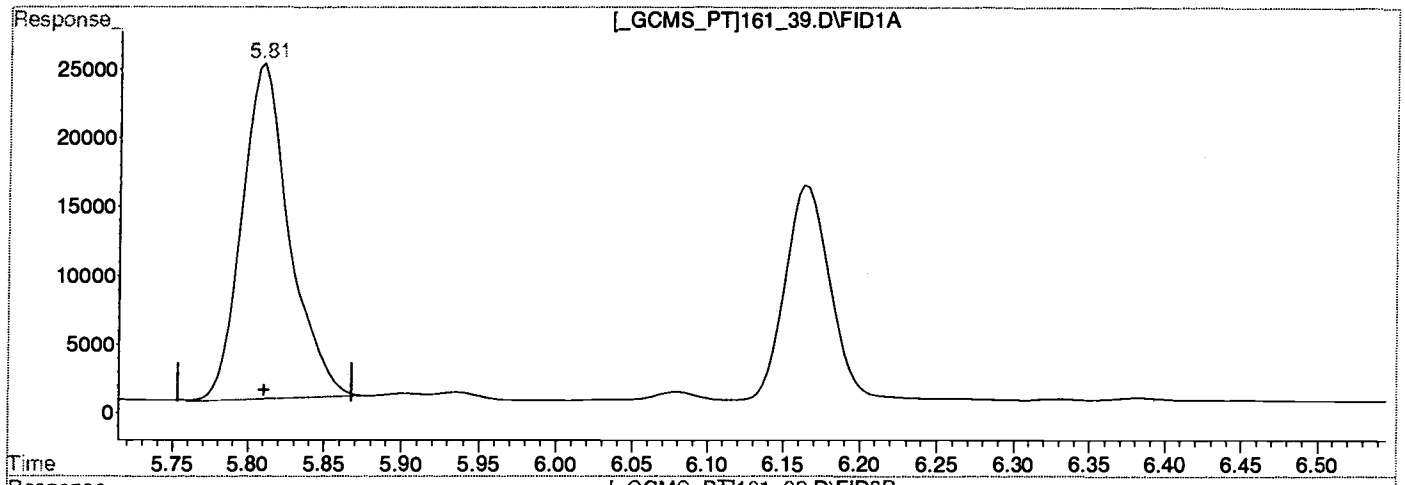
161_39.D TPH.M Fri Feb 22 08:40:03 2002 GRO

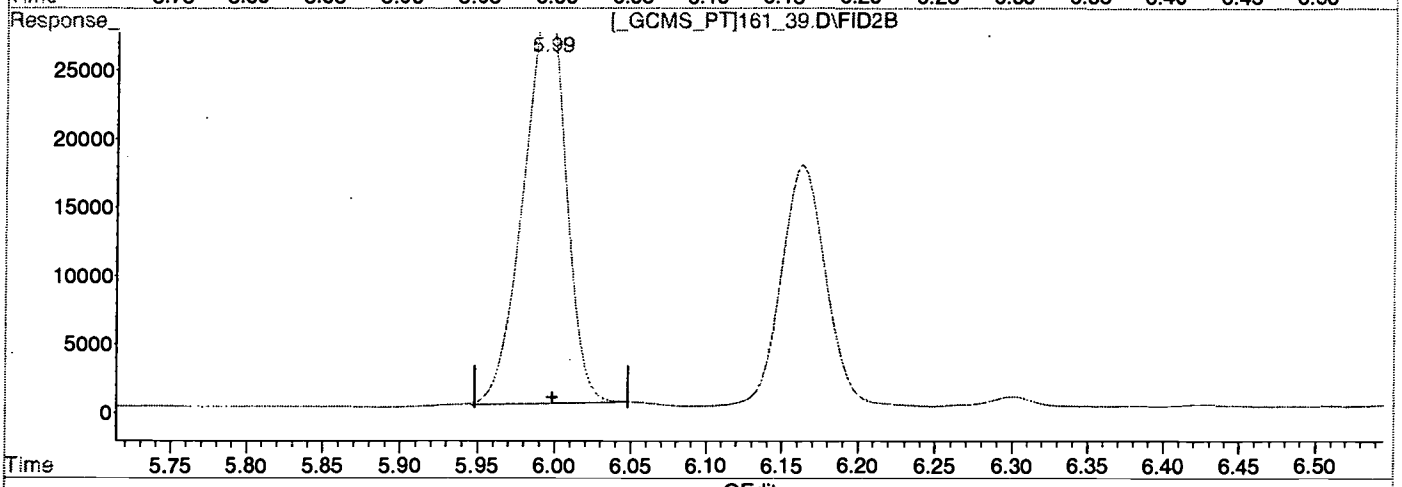
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH Vial: 39
Acq On : 21 Feb 2002 20:48 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH Vial: 39
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MS Inst : GC/FID In
Misc : SPI02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





(61) 1-chloro-2-fluorobenzene (S)

5.81min 14.535mg/L m

response 532929

(61) 1-chloro-2-fluorobenzene #2 (S)

5.99min 14.422mg/L m

response 563866

(+) = Expected Retention Time

161_39.D TPH.M Fri Feb 22 08:41:07 2002 GRO

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID1A.CH
Acq On : 21 Feb 2002 20:48
Sample : A584991 MS
Misc : SPI02
IntFile : AUTOINT1.E

Vial: 39
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

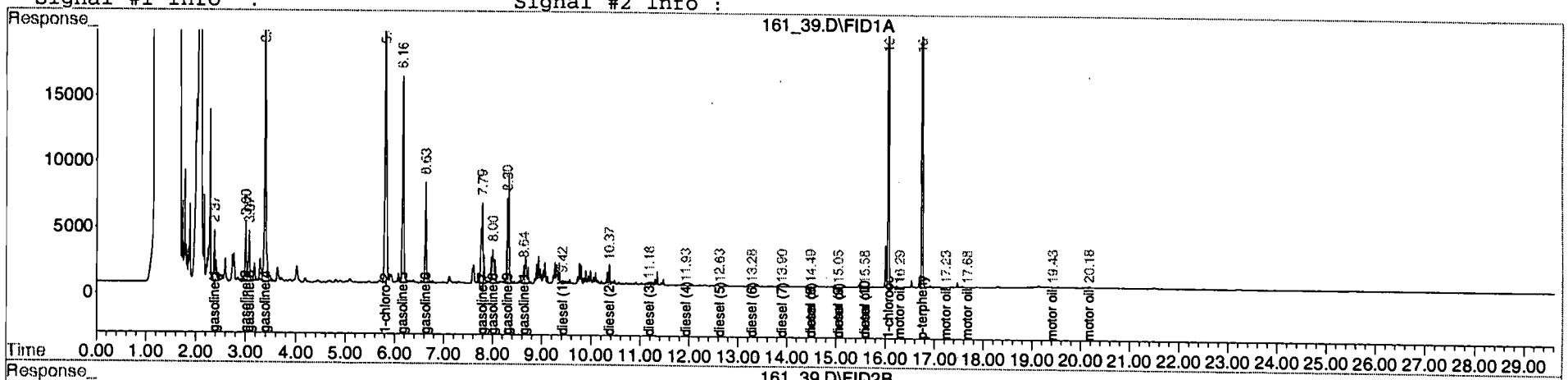
Data File : C:\HPCHEM\3\DATA\161\161_39.D\FID2B.CH
Acq On : 21 Feb 2002 21:28
Sample : A584991 MS
Misc : SPI02
IntFile : EVENTS2.E

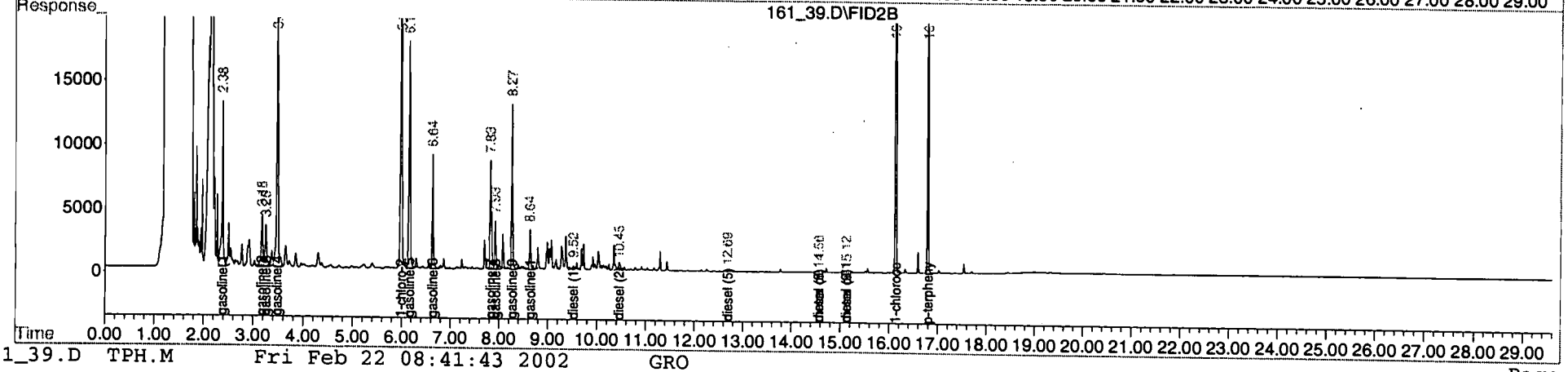
Vial: 39
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 8:40 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





126

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	543426	590462	14.821	15.103
Spiked Amount 10.000 Range 50 - 150 Recovery =					148.21%	151.03%#
62) S 1-chlorooctadeca	16.06	16.13	1254108	1268803	25.487	26.439
Spiked Amount 20.000 Range 50 - 150 Recovery =					127.43%	132.19%
63) S p-terphenyl	16.75	16.80	725000	601065	11.893	11.697
Spiked Amount 10.000 Range 50 - 150 Recovery =					118.93%	116.97%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	60336	232604	91.664	91.592
2) L1,A gasoline(2)	3.01	3.18	82527	88795	87.981	92.690
3) L1,A gasoline(3)	3.07	3.25	72638	70937	88.475	89.772
4) L1,A gasoline(4)	3.39	3.48	421867	460378	87.555	89.824
5) L1,A gasoline(5)	6.17	6.17	320675	363923	87.687	89.646
6) L1,A gasoline(6)	6.64	6.65	132077	143049	90.658	89.170
7) L1,A gasoline(7)	7.79	7.84	95050	183190	52.505	88.753 #
8) L1,A gasoline(8)	8.01	7.93	51350	63578	80.812	88.592
9) L1,A gasoline(9)	8.30	8.28	65078	198607	73.714	88.504
10) L1,A gasoline(10)	8.64	8.64	16545	47447	73.626	91.706
Sum gasoline(1)			1318143	1852509	814.678	900.248
Average gasoline(1)					81.468	90.025
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.01	0.00	82527	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19652	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.65	0	143049	N.D.	NoCal
16) L2,J JP-4 (6)	8.68	8.01	36588	7625	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	21408	11164	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.16	1962	3375	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	12.27	0.00	344	0	NoCal	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	13438	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.46	0	2730	N.D.	NoCal
23) L3,P mineral spirits	7.89	0.00	3839	0	NoCal	N.D.
24) L3,P mineral spirits	8.01	8.01	51350	7625	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	6918	N.D.	NoCal
26) L3,P mineral spirits	8.73	0.00	17187	0	NoCal	N.D.
27) L3,P mineral spirits	9.27	9.15	23023	5020	NoCal	NoCal
28) L3,P mineral spirits	9.57	9.52	5283	6469	NoCal	NoCal
29) L3,P mineral spirits	9.85	10.03	5722	31192	NoCal	NoCal
30) L3,P mineral spirits	10.51	10.46	1166	16076	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	9.24	9.11	7477	3511	NoCal	NoCal
32) L4,X SC-150 (2)	9.31	9.15	25906	5020	NoCal	NoCal
33) L4,X SC-150 (3)	9.31	9.17	25906	11164	NoCal	NoCal
34) L4,X SC-150 (4)	9.53	9.44	2847	3473	NoCal	NoCal
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	9.94	0.00	10326	0	NoCal	N.D.
37) L4,X SC-150 (7)	9.99	9.92	17042	12213	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.08	4034	5673	NoCal	NoCal
39) L4,X SC-150 (9)	10.25	10.35	1717	32421	NoCal	NoCal
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	6.87	0	13438	N.D.	NoCal
42) L5,K kerosene (2)	0.00	8.40	0	6918	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	6469	N.D.	NoCal
44) L5,K kerosene (4)	9.57	10.46	5283	16076	NoCal	NoCal
45) L5,K kerosene (5)	10.51	10.56	1166	3222	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.04	13436	4270	NoCal	NoCal
47) L5,K kerosene (7)	12.08	11.26	1017	2000	NoCal	NoCal
48) L5,K kerosene (8)	12.55	0.00	1039	0	NoCal	N.D.
49) L5,K kerosene (9)	12.78	0.00	1896	0	NoCal	N.D.
50) L5,K kerosene (10)	13.45	0.00	423	0	NoCal	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	4979	6469	8.455	6.553
52) L6,D diesel (2)	10.37	10.46	22422	16076	21.746	10.877 #
53) L6,D diesel (3)	11.18	11.26	3160	2000	2.741	1.257 #
54) L6,D diesel (4)	11.93	0.00	422	0	0.355	N.D. #
55) L6,D diesel (5)	12.63	0.00	368	0	0.280	N.D. #
56) L6,D diesel (6)	13.28	0.00	681	0	0.656	N.D. #
57) L6,D diesel (7)	13.90	0.00	425	0	0.394	N.D. #
58) L6,D diesel (8)	14.49	14.57	638	600	0.882	0.815
59) L6,D diesel (9)	15.05	15.13	727	752	1.054	1.367 #
60) L6,D diesel (10)	15.58	15.66	738	396	2.055	1.067 #
Sum diesel (1)			34560	26294	38.617	21.936
Average diesel (1)					3.862	3.656
64) L7,O motor oil (1)	14.49	14.57	638	600	10.536	13.365 #
65) L7,O motor oil (2)	15.05	15.13	727	752	6.339	8.981 #
66) L7,O motor oil (3)	15.58	15.66	738	396	5.609	2.778 #
67) L7,O motor oil (4)	16.29	0.00	2139	0	6.393	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.24	16.36	2159	924	4.004	3.970	
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.77	0.00	185	0	0.145	N.D.	#
72) L7,O motor oil (9)	19.42	0.00	228	0	0.252	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	2511	0	3.557	N.D.	#
Sum motor oil (1)			9326	2673	36.836	29.094	
Average motor oil (1)					4.604	7.273	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

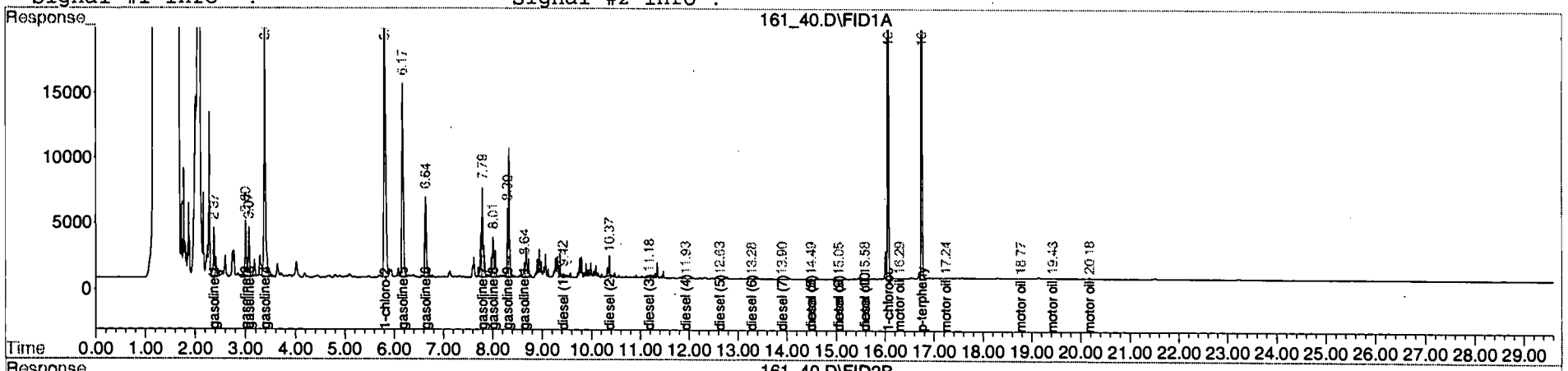
Quantitation Report (Not Reviewed)

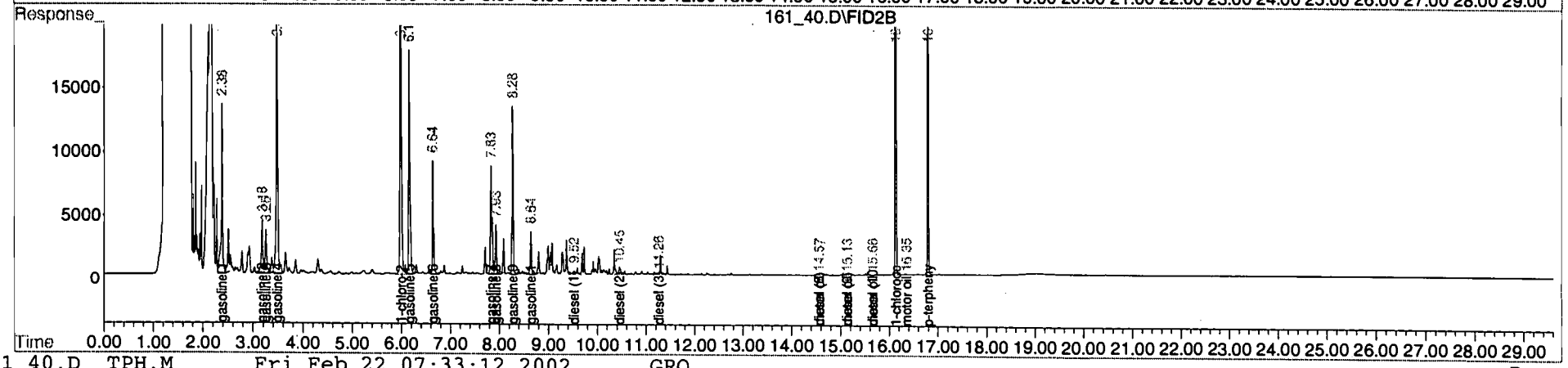
Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:47 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

After

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	6.00	543426	581614	14.821	14.876m
Spiked Amount 10.000 Range 50 - 150 Recovery =					148.21%	148.76%
62) S 1-chlorooctadeca	16.06	16.13	1254108	1268803	25.487	26.439
Spiked Amount 20.000 Range 50 - 150 Recovery =					127.43%	132.19%
63) S p-terphenyl	16.75	16.80	725000	601065	11.893	11.697
Spiked Amount 10.000 Range 50 - 150 Recovery =					118.93%	116.97%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.38	60336	232604	91.664	91.592
2) L1,A gasoline(2)	3.01	3.18	82527	88795	87.981	92.690
3) L1,A gasoline(3)	3.07	3.25	72638	70937	88.475	89.772
4) L1,A gasoline(4)	3.39	3.48	421867	460378	87.555	89.824
5) L1,A gasoline(5)	6.17	6.17	320675	363923	87.687	89.646
6) L1,A gasoline(6)	6.64	6.65	132077	143049	90.658	89.170
7) L1,A gasoline(7)	7.79	7.84	158256	183190	87.421m	88.753
8) L1,A gasoline(8)	8.01	7.93	69554	63578	109.460m	88.592
9) L1,A gasoline(9)	8.30	8.28	83440	198607	94.513m	88.504
10) L1,A gasoline(10)	8.64	8.64	23026	47447	102.469m	91.706
Sum gasoline(1)			1424397	1852509	927.883	900.248
Average gasoline(1)					92.788	90.025
11) L2,J JP-4 (1)	0.00	0.00	0	0	N.D.	N.D.
12) L2,J JP-4 (2)	3.01	0.00	82527	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	19652	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.65	0	143049	N.D.	NoCal
16) L2,J JP-4 (6)	8.68	8.01	36588	7625	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	21408	11164	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.16	1962	3375	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	12.27	0.00	344	0	NoCal	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.87	0	13438	N.D.	NoCal
22) L3,P mineral spirits	0.00	7.46	0	2730	N.D.	NoCal
23) L3,P mineral spirits	7.89	0.00	3839	0	NoCal	N.D.
24) L3,P mineral spirits	8.01	8.01	51350	7625	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.40	0	6918	N.D.	NoCal
26) L3,P mineral spirits	8.73	0.00	17187	0	NoCal	N.D.
27) L3,P mineral spirits	9.27	9.15	23023	5020	NoCal	NoCal
28) L3,P mineral spirits	9.57	9.52	5283	6469	NoCal	NoCal
29) L3,P mineral spirits	9.85	10.03	5722	31192	NoCal	NoCal
30) L3,P mineral spirits	10.51	10.46	1166	16076	NoCal	NoCal

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:47 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
Sum mineral spirits (			0	0	N.D.	N.D.	
Average mineral spirits (					0.000	0.000	
31) L4,X SC-150 (1)	9.24	9.11	7477	3511	NoCal	NoCal	
32) L4,X SC-150 (2)	9.31	9.15	25906	5020	NoCal	NoCal	
33) L4,X SC-150 (3)	9.31	9.17	25906	11164	NoCal	NoCal	
34) L4,X SC-150 (4)	9.53	9.44	2847	3473	NoCal	NoCal	
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.	
36) L4,X SC-150 (6)	9.94	0.00	10326	0	NoCal	N.D.	
37) L4,X SC-150 (7)	9.99	9.92	17042	12213	NoCal	NoCal	
38) L4,X SC-150 (8)	10.21	10.08	4034	5673	NoCal	NoCal	
39) L4,X SC-150 (9)	10.25	10.35	1717	32421	NoCal	NoCal	
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.	
Sum SC-150 (1)			0	0	N.D.	N.D.	
Average SC-150 (1)					0.000	0.000	
41) L5,K kerosene (1)	0.00	6.87	0	13438	N.D.	NoCal	
42) L5,K kerosene (2)	0.00	8.40	0	6918	N.D.	NoCal	
43) L5,K kerosene (3)	0.00	9.52	0	6469	N.D.	NoCal	
44) L5,K kerosene (4)	9.57	10.46	5283	16076	NoCal	NoCal	
45) L5,K kerosene (5)	10.51	10.56	1166	3222	NoCal	NoCal	
46) L5,K kerosene (6)	11.35	11.04	13436	4270	NoCal	NoCal	
47) L5,K kerosene (7)	12.08	11.26	1017	2000	NoCal	NoCal	
48) L5,K kerosene (8)	12.55	0.00	1039	0	NoCal	N.D.	
49) L5,K kerosene (9)	12.78	0.00	1896	0	NoCal	N.D.	
50) L5,K kerosene (10)	13.45	0.00	423	0	NoCal	N.D.	
Sum kerosene (1)			0	0	N.D.	N.D.	
Average kerosene (1)					0.000	0.000	
51) L6,D diesel (1)	9.42	9.52	4979	6469	8.455	6.553	
52) L6,D diesel (2)	10.37	10.46	22422	16076	21.746	10.877	#
53) L6,D diesel (3)	11.18	11.26	3160	2000	2.741	1.257	#
54) L6,D diesel (4)	11.93	0.00	422	0	0.355	N.D.	#
55) L6,D diesel (5)	12.63	0.00	368	0	0.280	N.D.	#
56) L6,D diesel (6)	13.28	0.00	681	0	0.656	N.D.	#
57) L6,D diesel (7)	13.90	0.00	425	0	0.394	N.D.	#
58) L6,D diesel (8)	14.49	14.57	638	600	0.882	0.815	
59) L6,D diesel (9)	15.05	15.13	727	752	1.054	1.367	#
60) L6,D diesel (10)	15.58	15.66	738	396	2.055	1.067	#
Sum diesel (1)			34560	26294	38.617	21.936	
Average diesel (1)					3.862	3.656	
64) L7,O motor oil (1)	14.49	14.57	638	600	10.536	13.365	#
65) L7,O motor oil (2)	15.05	15.13	727	752	6.339	8.981	#
66) L7,O motor oil (3)	15.58	15.66	738	396	5.609	2.778	#
67) L7,O motor oil (4)	16.29	0.00	2139	0	6.393	N.D.	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:47 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.24	16.36	2159	924	4.004	3.970	
69) L7,O motor oil (6)	0.00	0.00	0	0	N.D.	N.D.	
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.77	0.00	185	0	0.145	N.D.	#
72) L7,O motor oil (9)	19.42	0.00	228	0	0.252	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	2511	0	3.557	N.D.	#
Sum motor oil (1)			9326	2673	36.836	29.094	
Average motor oil (1)					4.604	7.273	

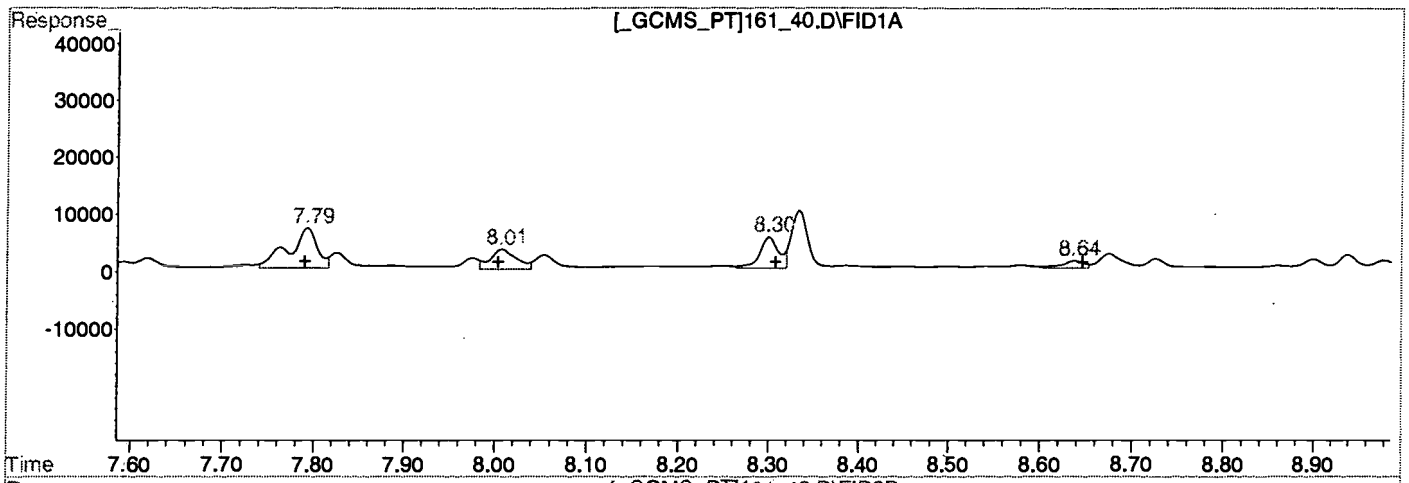
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

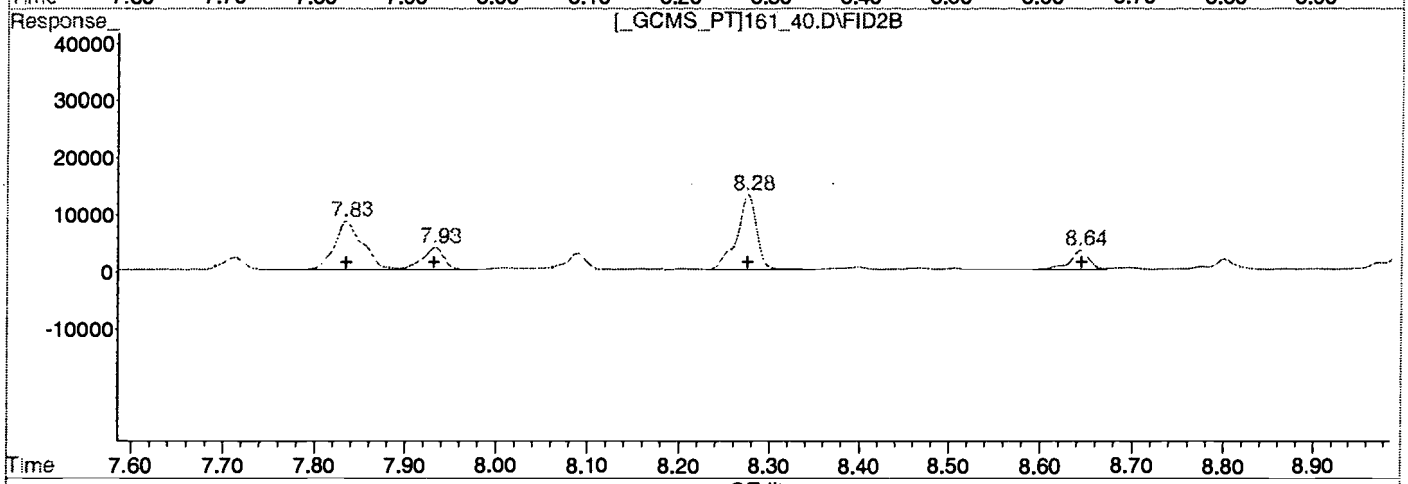
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.37	60336	91.66
3.01	82527	87.98
3.07	72638	88.47
3.39	421867	87.56
6.17	320675	87.69
6.64	132077	90.66
7.79	158256	87.42
8.01	69554	109.46
8.30	83440	94.51
8.64	23026	102.47

(1) gasoline(1) #2 (L1,A)

R.T.	Response	Conc
2.38	232604	91.59
3.18	88795	92.69
3.25	70937	89.77
3.48	460378	89.82
6.17	363923	89.65
6.65	143049	89.17
7.84	183190	88.75
7.93	63578	88.59
8.28	198607	88.50
8.64	47447	91.71

(+) = Expected Retention Time

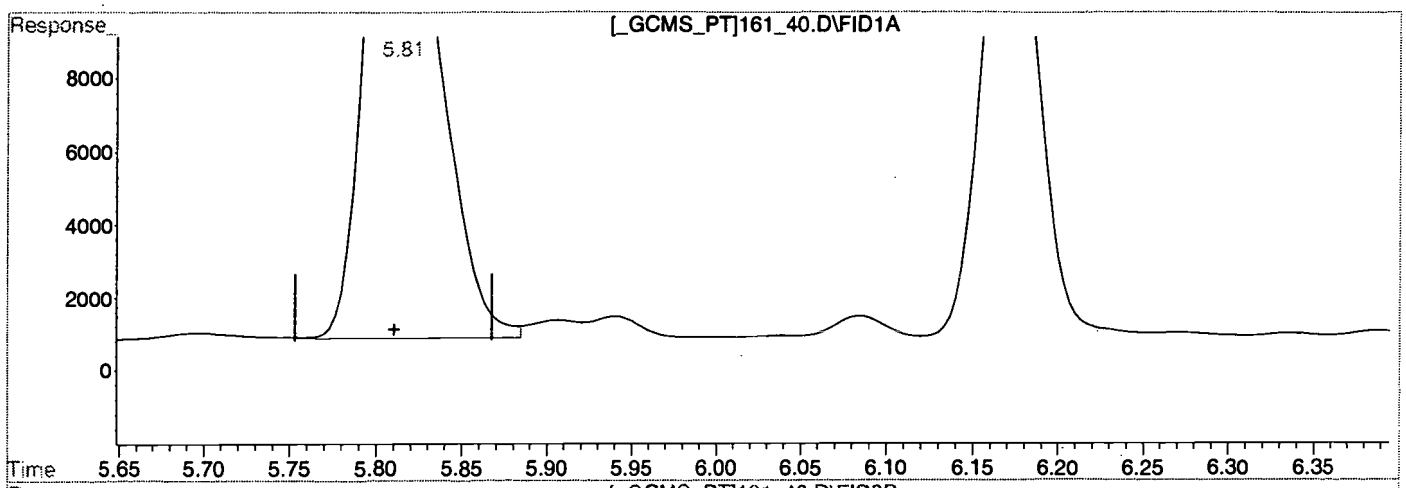
161_40.D TPH.M Fri Feb 22 08:45:56 2002 GRO

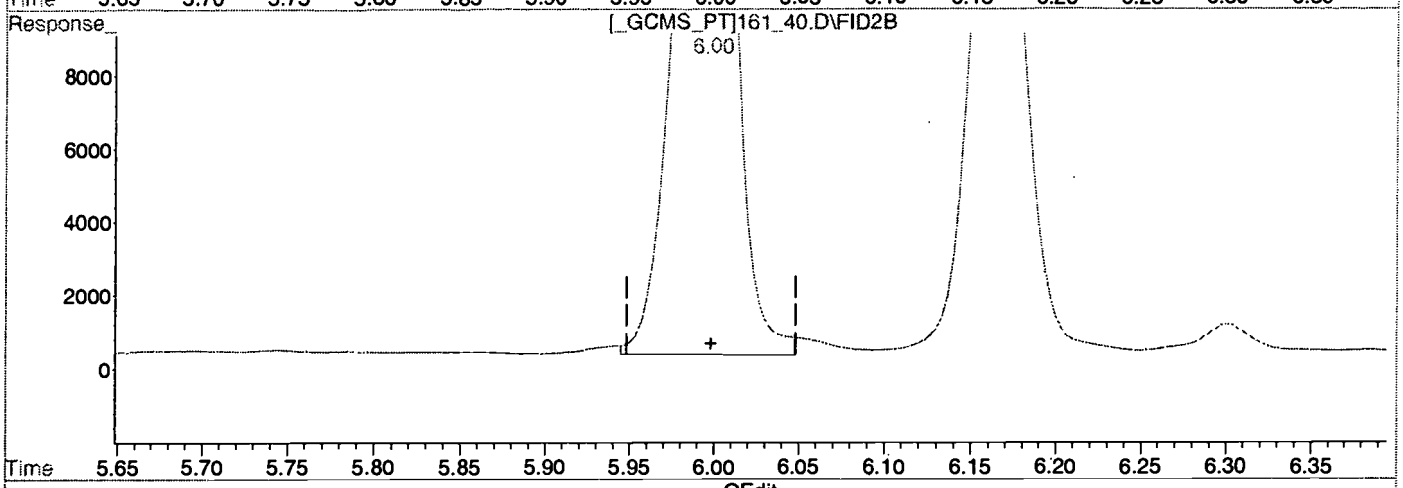
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH Vial: 40
Acq On : 21 Feb 2002 21:28 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH Vial: 40
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : A584991 MSD Inst : GC/FID In
Misc : DPS02 Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:32 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





(61) 1-chloro-2-fluorobenzene (S)

5.81min 14.821mg/L

response 543426

(61) 1-chloro-2-fluorobenzene #2 (S)

6.00min 14.876mg/L m

response 581614

(+) = Expected Retention Time

161_40.D TPH.M Fri Feb 22 08:47:22 2002 GRO

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID1A.CH
Acq On : 21 Feb 2002 21:28
Sample : A584991 MSD
Misc : DPS02
IntFile : AUTOINT1.E

Vial: 40
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

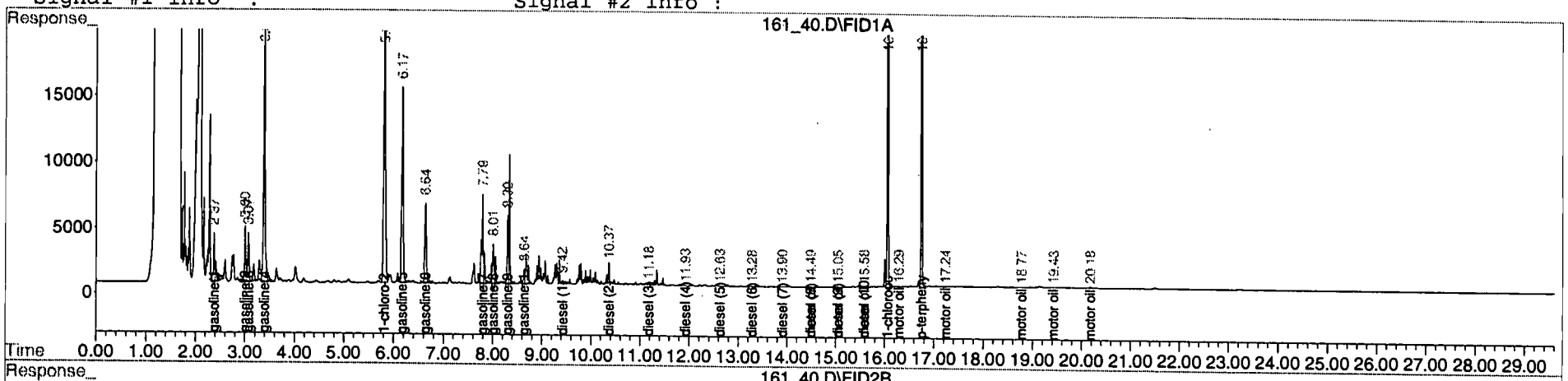
Data File : C:\HPCHEM\3\DATA\161\161_40.D\FID2B.CH
Acq On : 21 Feb 2002 22:07
Sample : A584991 MSD
Misc : DPS02
IntFile : EVENTS2.E

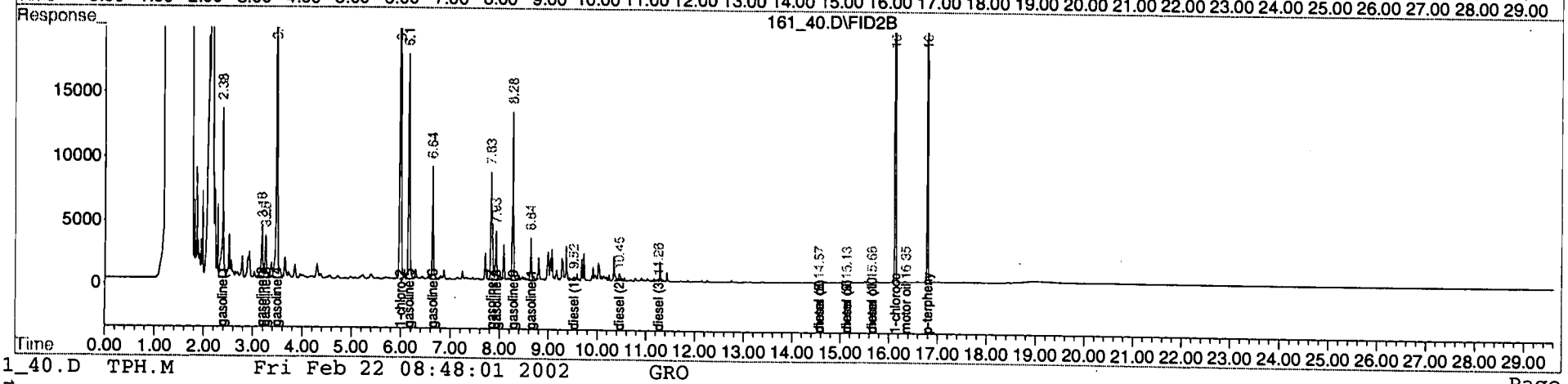
Vial: 40
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 8:47 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID1A.CH Vial: 41
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID2B.CH Vial: 41
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.81	5.98	392524	420753	10.705	10.762
Spiked Amount 10.000 Range 50 - 150 Recovery =					107.05%	107.62%
62) S 1-chlorooctadeca	16.06	16.13	906262	934375	18.418	19.470
Spiked Amount 20.000 Range 50 - 150 Recovery =					92.09%	97.35%
63) S p-terphenyl	16.75	16.79	601009	518242	9.859	10.085
Spiked Amount 10.000 Range 50 - 150 Recovery =					98.59%	100.85%
Target Compounds						
1) L1,A gasoline(1)	2.37	2.36	33686	130269	51.177	51.295
2) L1,A gasoline(2)	3.00	3.16	45550	47820	48.561	49.918
3) L1,A gasoline(3)	3.07	3.23	40049	38892	48.781	49.218
4) L1,A gasoline(4)	3.38	3.46	231314	251064	48.007	48.985
5) L1,A gasoline(5)	6.16	6.15	171249	194486	46.827	47.908
6) L1,A gasoline(6)	6.63	6.63	70692	76980	48.523	47.986
7) L1,A gasoline(7)	7.79	7.82	82279	99903	45.451	48.401
8) L1,A gasoline(8)	8.00	7.92	27413	34711	43.141	48.369
9) L1,A gasoline(9)	8.30	8.27	38584	108362	43.704	48.289
10) L1,A gasoline(10)	8.64	8.64	10295	25824	45.815	49.912
Sum gasoline(1)			751111	1008311	469.988	490.280
Average gasoline(1)					46.999	49.028
11) L2,J JP-4 (1)	0.00	2.49	0	33638	N.D.	NoCal
12) L2,J JP-4 (2)	3.00	0.00	45550	0	NoCal	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.29	0	8088	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.63	0	76980	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.00	20127	4370	NoCal	NoCal
17) L2,J JP-4 (7)	9.76	9.17	12118	8822	NoCal	NoCal
18) L2,J JP-4 (8)	10.70	10.13	1131	4745	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	0.00	0	0	N.D.	N.D.
20) L2,J JP-4 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	0.00	6.86	0	7221	N.D.	NoCal
22) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
23) L3,P mineral spirits	0.00	0.00	0	0	N.D.	N.D.
24) L3,P mineral spirits	8.00	8.00	27413	4370	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.39	0	4195	N.D.	NoCal
26) L3,P mineral spirits	8.72	8.69	9682	3500	NoCal	NoCal
27) L3,P mineral spirits	9.24	0.00	4819	0	NoCal	N.D.
28) L3,P mineral spirits	9.57	9.52	2829	3552	NoCal	NoCal
29) L3,P mineral spirits	9.85	10.02	3465	17392	NoCal	NoCal
30) L3,P mineral spirits	10.47	10.45	3373	9210	NoCal	NoCal

(f) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID1A.CH Vial: 41
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID2B.CH Vial: 41
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	9.24	0.00	4819	0	NoCal	N.D.
32) L4,X SC-150 (2)	9.31	9.17	14153	8822	NoCal	NoCal
33) L4,X SC-150 (3)	9.31	9.17	14153	8822	NoCal	NoCal
34) L4,X SC-150 (4)	0.00	0.00	0	0	N.D.	N.D.
35) L4,X SC-150 (5)	0.00	0.00	0	0	N.D.	N.D.
36) L4,X SC-150 (6)	9.94	0.00	6041	0	NoCal	N.D.
37) L4,X SC-150 (7)	9.99	9.91	8813	6763	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.08	2188	3043	NoCal	NoCal
39) L4,X SC-150 (9)	10.29	10.35	1599	17798	NoCal	NoCal
40) L4,X SC-150 (10)	0.00	0.00	0	0	N.D.	N.D.
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	0.00	6.86	0	7221	N.D.	NoCal
42) L5,K kerosene (2)	0.00	8.39	0	4195	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	3552	N.D.	NoCal
44) L5,K kerosene (4)	9.57	10.45	2829	9210	NoCal	NoCal
45) L5,K kerosene (5)	10.52	10.56	753	1975	NoCal	NoCal
46) L5,K kerosene (6)	11.35	0.00	6799	0	NoCal	N.D.
47) L5,K kerosene (7)	12.08	0.00	451	0	NoCal	N.D.
48) L5,K kerosene (8)	12.55	0.00	1441	0	NoCal	N.D.
49) L5,K kerosene (9)	0.00	0.00	0	0	N.D.	N.D.
50) L5,K kerosene (10)	0.00	0.00	0	0	N.D.	N.D.
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	0.00	9.52	0	3552	N.D.	3.598 #
52) L6,D diesel (2)	10.37	10.45	11209	9210	10.872	6.231 #
53) L6,D diesel (3)	11.18	0.00	2362	0	2.049	N.D. #
54) L6,D diesel (4)	11.93	0.00	264	0	0.222	N.D. #
55) L6,D diesel (5)	0.00	0.00	0	0	N.D.	N.D.
56) L6,D diesel (6)	0.00	0.00	0	0	N.D.	N.D.
57) L6,D diesel (7)	0.00	0.00	0	0	N.D.	N.D.
58) L6,D diesel (8)	14.49	14.57	311	416	0.430	0.565 #
59) L6,D diesel (9)	0.00	0.00	0	0	N.D.	N.D.
60) L6,D diesel (10)	0.00	15.66	0	191	N.D.	0.515 #
Sum diesel (1)			14146	13369	13.572	10.910
Average diesel (1)					3.393	2.727
64) L7,O motor oil (1)	14.49	14.57	311	416	5.144	9.266 #
65) L7,O motor oil (2)	0.00	0.00	0	0	N.D.	N.D.
66) L7,O motor oil (3)	0.00	15.66	0	191	N.D.	1.340 #
67) L7,O motor oil (4)	16.29	0.00	272	0	0.812	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID1A.CH Vial: 41
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID2B.CH Vial: 41
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.22	0.00	344	0	0.637	N.D.	#
69) L7,O motor oil (6)	17.68	0.00	284	0	0.502	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.78	0.00	343	0	0.268	N.D.	#
72) L7,O motor oil (9)	19.43	0.00	1039	0	1.148	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	1186	0	1.681	N.D.	#
Sum motor oil (1)			3779	607	10.192	10.606	
Average motor oil (1)					1.456	5.303	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

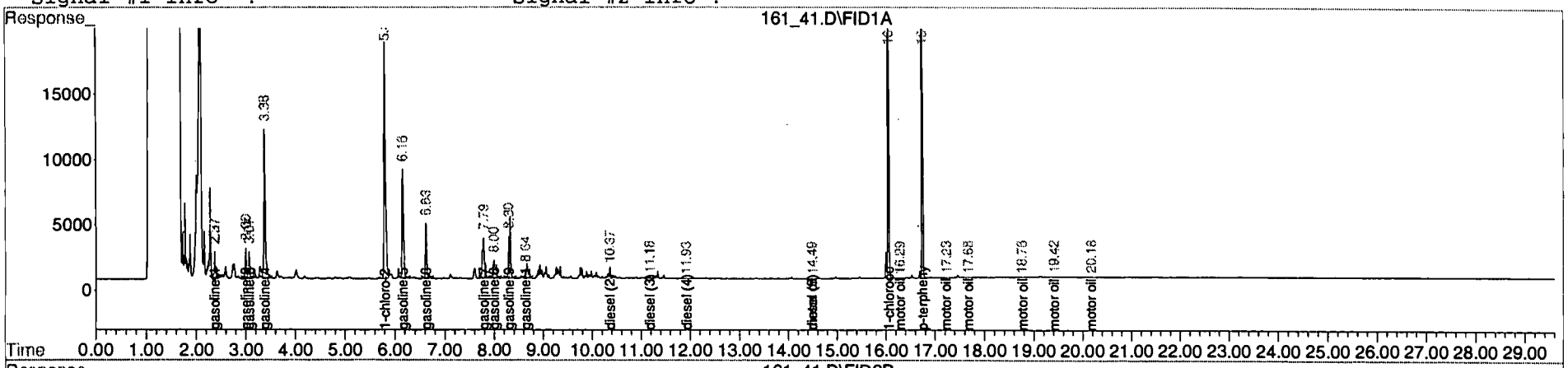
Quantitation Report (Not Reviewed)

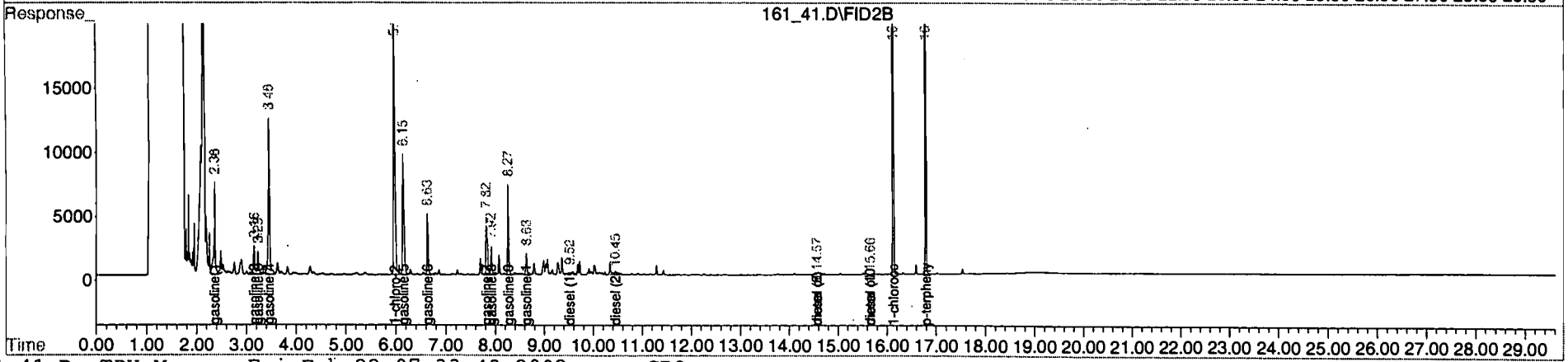
Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID1A.CH Vial: 41
Acq On : 21 Feb 2002 22:07 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_41.D\FID2B.CH Vial: 41
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 712 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
System Monitoring Compounds							
61) S 1-chloro-2-fluor	5.79	5.99	346745	378941	9.457	9.692	
Spiked Amount 10.000 Range 50 - 150 Recovery =					94.57%	96.92%	
62) S 1-chlorooctadeca	16.06	16.13	950210	984086	19.311	20.506	
Spiked Amount 20.000 Range 50 - 150 Recovery =					96.56%	102.53%	
63) S p-terphenyl	16.75	16.79	609293	526337	9.995	10.243	
Spiked Amount 10.000 Range 50 - 150 Recovery =					99.95%	102.43%	
Target Compounds							
1) L1,A gasoline(1)	2.35	0.00	1714	0	2.603	N.D.	#
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.	
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.	
4) L1,A gasoline(4)	0.00	3.48	0	6069	N.D.	1.184	#
5) L1,A gasoline(5)	6.15	6.16	10459	14651	2.860	3.609	#
6) L1,A gasoline(6)	6.62	6.64	4853	5312	3.331	3.311	
7) L1,A gasoline(7)	7.77	7.83	25981	17192	14.352	8.329	#
8) L1,A gasoline(8)	7.99	7.92	10237	9263	16.110	12.908	
9) L1,A gasoline(9)	8.32	8.27	15382	18101	17.424	8.066	#
10) L1,A gasoline(10)	8.64	8.64	4808	16354	21.396	31.608	#
Sum gasoline(1)			73435	86942	78.077	69.016	
Average gasoline(1)					11.154	9.859	
11) L2,J JP-4 (1)	0.00	2.50	0	1705	N.D.	NoCal	
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.	
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.	
14) L2,J JP-4 (4)	0.00	6.30	0	4631	N.D.	NoCal	
15) L2,J JP-4 (5)	0.00	6.64	0	5312	N.D.	NoCal	
16) L2,J JP-4 (6)	8.67	8.00	10511	8059	NoCal	NoCal	
17) L2,J JP-4 (7)	9.75	0.00	19555	0	NoCal	N.D.	
18) L2,J JP-4 (8)	10.70	10.13	49001	43873	NoCal	NoCal	
19) L2,J JP-4 (9)	0.00	10.98	0	36443	N.D.	NoCal	
20) L2,J JP-4 (10)	12.29	11.79	51432	48299	NoCal	NoCal	
Sum JP-4 (1)			0	0	N.D.	N.D.	
Average JP-4 (1)					0.000	0.000	
21) L3,P mineral spirits	6.85	6.87	1884	15735	NoCal	NoCal	
22) L3,P mineral spirits	0.00	7.45	0	9299	N.D.	NoCal	
23) L3,P mineral spirits	0.00	7.55	0	7218	N.D.	NoCal	
24) L3,P mineral spirits	8.02	8.00	9996	8059	NoCal	NoCal	
25) L3,P mineral spirits	0.00	8.39	0	42073	N.D.	NoCal	
26) L3,P mineral spirits	0.00	8.68	0	15834	N.D.	NoCal	
27) L3,P mineral spirits	9.26	9.15	21971	19734	NoCal	NoCal	
28) L3,P mineral spirits	9.57	9.52	10344	120616	NoCal	NoCal	
29) L3,P mineral spirits	9.86	10.04	13260	50762	NoCal	NoCal	
30) L3,P mineral spirits	10.49	10.45	56198	194581	NoCal	NoCal	

(#)=qualifier out, (*)=integration parameter, (a)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	9.15	0	19734	N.D.	NoCal
32) L4,X SC-150 (2)	9.30	9.15	15070	19734	NoCal	NoCal
33) L4,X SC-150 (3)	9.30	0.00	15070	0	NoCal	N.D.
34) L4,X SC-150 (4)	9.53	0.00	20999	0	NoCal	N.D.
35) L4,X SC-150 (5)	9.61	0.00	9769	0	NoCal	N.D.
36) L4,X SC-150 (6)	0.00	9.87	0	15755	N.D.	NoCal
37) L4,X SC-150 (7)	9.96	9.91	29208	14441	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.09	28589	20782	NoCal	NoCal
39) L4,X SC-150 (9)	0.00	10.34	0	52070	N.D.	NoCal
40) L4,X SC-150 (10)	10.60	10.90	30803	48307	NoCal	NoCal
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	6.85	6.87	1884	15735	NoCal	NoCal
42) L5,K kerosene (2)	0.00	8.39	0	42073	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	120616	N.D.	NoCal
44) L5,K kerosene (4)	9.57	10.45	10344	194581	NoCal	NoCal
45) L5,K kerosene (5)	10.49	10.57	56198	59962	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.05	86786	94510	NoCal	NoCal
47) L5,K kerosene (7)	12.08	11.26	18898	244553	NoCal	NoCal
48) L5,K kerosene (8)	0.00	12.01	0	261864	N.D.	NoCal
49) L5,K kerosene (9)	12.79	12.71	32526	249005	NoCal	NoCal
50) L5,K kerosene (10)	13.46	13.36	35623	185549	NoCal	NoCal
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	103203	120616	175.235	122.179 #
52) L6,D diesel (2)	10.36	10.45	172946	194581	167.731	131.649
53) L6,D diesel (3)	11.18	11.26	189099	244553	164.058	153.624
54) L6,D diesel (4)	11.93	12.01	127900	261864	107.578	161.830 #
55) L6,D diesel (5)	12.63	12.71	202126	249005	153.720	143.548
56) L6,D diesel (6)	13.28	13.36	185849	185549	178.862	156.013
57) L6,D diesel (7)	13.90	13.98	133935	116278	124.182	130.456
58) L6,D diesel (8)	14.49	14.57	82397	79807	113.876	108.477
59) L6,D diesel (9)	15.05	15.12	77250	84297	111.951	153.138 #
60) L6,D diesel (10)	15.58	15.66	38088	47409	106.088	127.781
Sum diesel (1)			1312792	1583959	1403.283	1388.695
Average diesel (1)					140.328	138.869
64) L7,O motor oil (1)	14.49	14.57	82397	79807	1360.885	1777.752 #
65) L7,O motor oil (2)	15.05	15.12	77250	84297	673.406	1006.241 #
66) L7,O motor oil (3)	15.58	15.66	38088	47409	289.614	332.614
67) L7,O motor oil (4)	16.29	15.86	8523	21083	25.469	139.731 #

(#) = RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.22	0.00	794	0	1.472	N.D.	#
69) L7,O motor oil (6)	17.70	0.00	205	0	0.361	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.78	0.00	11	0	0.009	N.D.	#
72) L7,O motor oil (9)	19.41	0.00	379	0	0.419	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	1196	0	1.695	N.D.	#
Sum motor oil (1)			208842	232596	2353.331	3256.338	
Average motor oil (1)					261.481	814.085	

(6) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

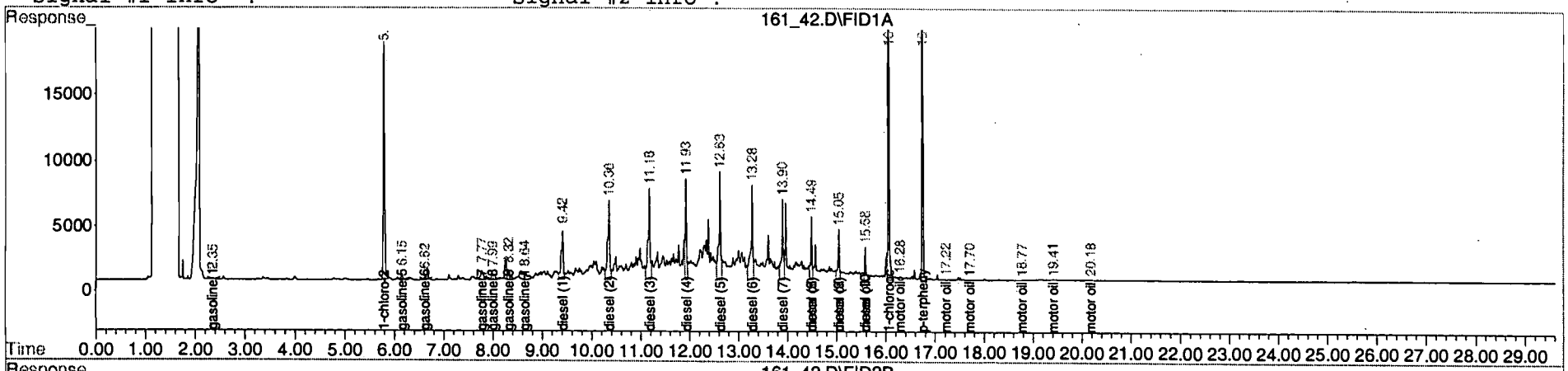
Quantitation Report (Not Reviewed)

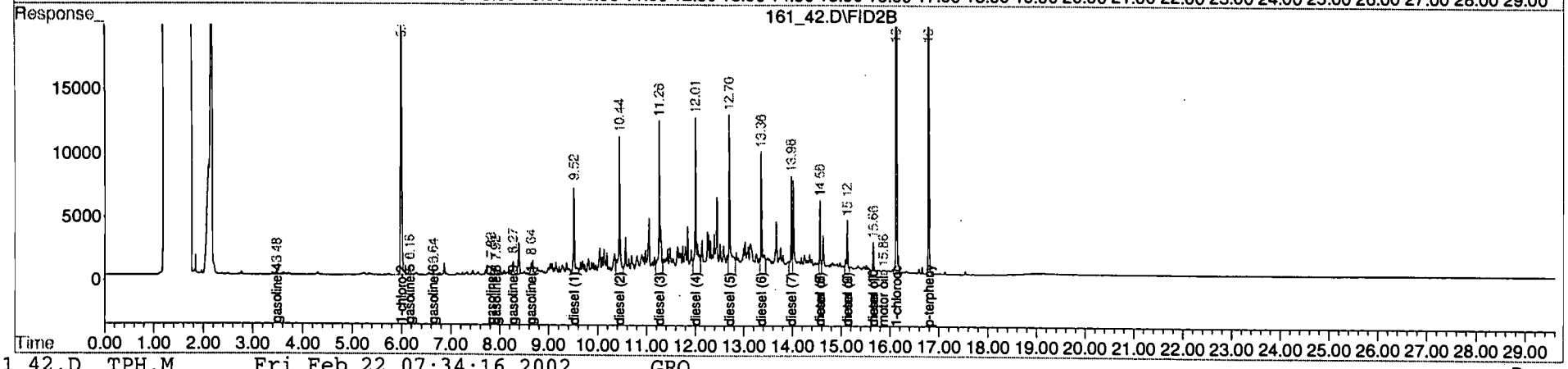
Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:55 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

After

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
System Monitoring Compounds						
61) S 1-chloro-2-fluor	5.79	5.99	346745	378941	9.457	9.692
Spiked Amount 10.000 Range 50 - 150 Recovery =					94.57%	96.92%
62) S 1-chlorooctadeca	16.06	16.13	950210	984086	19.311	20.506
Spiked Amount 20.000 Range 50 - 150 Recovery =					96.56%	102.53%
63) S p-terphenyl	16.75	16.79	609293	526337	9.995	10.243
Spiked Amount 10.000 Range 50 - 150 Recovery =					99.95%	102.43%
Target Compounds						
1) L1,A gasoline(1)	2.35	0.00	1714	0	2.603	N.D. #
2) L1,A gasoline(2)	0.00	0.00	0	0	N.D.	N.D.
3) L1,A gasoline(3)	0.00	0.00	0	0	N.D.	N.D.
4) L1,A gasoline(4)	0.00	3.48	0	6069	N.D.	1.184 #
5) L1,A gasoline(5)	6.15	6.16	10459	14651	2.860	3.609 #
6) L1,A gasoline(6)	6.62	6.64	4853	5312	3.331	3.311
7) L1,A gasoline(7)	7.77	7.83	25981	17192	14.352	8.329 #
8) L1,A gasoline(8)	7.99	7.92	10237	9263	16.110	12.908
9) L1,A gasoline(9)	8.32	8.27	15382	18101	17.424	8.066 #
10) L1,A gasoline(10)	8.64	8.64	4808	16354	21.396	31.608 #
Sum gasoline(1)			73435	86942	78.077	69.016
Average gasoline(1)					11.154	9.859
11) L2,J JP-4 (1)	0.00	2.50	0	1705	N.D.	NoCal
12) L2,J JP-4 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L2,J JP-4 (3)	0.00	0.00	0	0	N.D.	N.D.
14) L2,J JP-4 (4)	0.00	6.30	0	4631	N.D.	NoCal
15) L2,J JP-4 (5)	0.00	6.64	0	5312	N.D.	NoCal
16) L2,J JP-4 (6)	8.67	8.00	10511	8059	NoCal	NoCal
17) L2,J JP-4 (7)	9.75	0.00	19555	0	NoCal	N.D.
18) L2,J JP-4 (8)	10.70	10.13	49001	43873	NoCal	NoCal
19) L2,J JP-4 (9)	0.00	10.98	0	36443	N.D.	NoCal
20) L2,J JP-4 (10)	12.29	11.79	51432	48299	NoCal	NoCal
Sum JP-4 (1)			0	0	N.D.	N.D.
Average JP-4 (1)					0.000	0.000
21) L3,P mineral spirits	6.85	6.87	1884	15735	NoCal	NoCal
22) L3,P mineral spirits	0.00	7.45	0	9299	N.D.	NoCal
23) L3,P mineral spirits	0.00	7.55	0	7218	N.D.	NoCal
24) L3,P mineral spirits	8.02	8.00	9996	8059	NoCal	NoCal
25) L3,P mineral spirits	0.00	8.39	0	42073	N.D.	NoCal
26) L3,P mineral spirits	0.00	8.68	0	15834	N.D.	NoCal
27) L3,P mineral spirits	9.26	9.15	21971	19734	NoCal	NoCal
28) L3,P mineral spirits	9.57	9.52	10344	120616	NoCal	NoCal
29) L3,P mineral spirits	9.86	10.04	13260	50762	NoCal	NoCal
30) L3,P mineral spirits	10.49	10.45	56198	194581	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:55 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

After

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Sum mineral spirits (			0	0	N.D.	N.D.
Average mineral spirits (					0.000	0.000
31) L4,X SC-150 (1)	0.00	9.15	0	19734	N.D.	NoCal
32) L4,X SC-150 (2)	9.30	9.15	15070	19734	NoCal	NoCal
33) L4,X SC-150 (3)	9.30	0.00	15070	0	NoCal	N.D.
34) L4,X SC-150 (4)	9.53	0.00	20999	0	NoCal	N.D.
35) L4,X SC-150 (5)	9.61	0.00	9769	0	NoCal	N.D.
36) L4,X SC-150 (6)	0.00	9.87	0	15755	N.D.	NoCal
37) L4,X SC-150 (7)	9.96	9.91	29208	14441	NoCal	NoCal
38) L4,X SC-150 (8)	10.21	10.09	28589	20782	NoCal	NoCal
39) L4,X SC-150 (9)	0.00	10.34	0	52070	N.D.	NoCal
40) L4,X SC-150 (10)	10.60	10.90	30803	48307	NoCal	NoCal
Sum SC-150 (1)			0	0	N.D.	N.D.
Average SC-150 (1)					0.000	0.000
41) L5,K kerosene (1)	6.85	6.87	1884	15735	NoCal	NoCal
42) L5,K kerosene (2)	0.00	8.39	0	42073	N.D.	NoCal
43) L5,K kerosene (3)	0.00	9.52	0	120616	N.D.	NoCal
44) L5,K kerosene (4)	9.57	10.45	10344	194581	NoCal	NoCal
45) L5,K kerosene (5)	10.49	10.57	56198	59962	NoCal	NoCal
46) L5,K kerosene (6)	11.35	11.05	86786	94510	NoCal	NoCal
47) L5,K kerosene (7)	12.08	11.26	18898	244553	NoCal	NoCal
48) L5,K kerosene (8)	0.00	12.01	0	261864	N.D.	NoCal
49) L5,K kerosene (9)	12.79	12.71	32526	249005	NoCal	NoCal
50) L5,K kerosene (10)	13.46	13.36	35623	185549	NoCal	NoCal
Sum kerosene (1)			0	0	N.D.	N.D.
Average kerosene (1)					0.000	0.000
51) L6,D diesel (1)	9.42	9.52	63672	94328	108.113m	95.551m
52) L6,D diesel (2)	10.36	10.44	98240	146642	95.278m	99.215m
53) L6,D diesel (3)	11.18	11.26	125498	169676	108.880m	106.587m
54) L6,D diesel (4)	11.93	12.01	127900	163234	107.578	100.878m
55) L6,D diesel (5)	12.63	12.70	141712	188920	107.774m	108.909m
56) L6,D diesel (6)	13.28	13.36	106370	132280	102.371m	111.223m
57) L6,D diesel (7)	13.90	13.98	96980	94718	89.918m	106.267m
58) L6,D diesel (8)	14.49	14.57	82397	79807	113.876	108.477
59) L6,D diesel (9)	15.05	15.12	77250	57284	111.951	104.065m
60) L6,D diesel (10)	15.58	15.66	38088	39188	106.088	105.624m
Sum diesel (1)			958107	1166077	1051.827	1046.795
Average diesel (1)					105.183	104.680
64) L7,O motor oil (1)	14.49	14.57	82397	79807	1360.885	1777.752 #
65) L7,O motor oil (2)	15.05	15.12	77250	84297	673.406	1006.241 #
66) L7,O motor oil (3)	15.58	15.66	38088	47409	289.614	332.614
67) L7,O motor oil (4)	16.29	15.86	8523	21083	25.469	139.731 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 8:55 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Initial Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l	
68) L7,O motor oil (5)	17.22	0.00	794	0	1.472	N.D.	#
69) L7,O motor oil (6)	17.70	0.00	205	0	0.361	N.D.	#
70) L7,O motor oil (7)	0.00	0.00	0	0	N.D.	N.D.	
71) L7,O motor oil (8)	18.78	0.00	11	0	0.009	N.D.	#
72) L7,O motor oil (9)	19.41	0.00	379	0	0.419	N.D.	#
73) L7,O motor oil (10)	20.18	0.00	1196	0	1.695	N.D.	#
Sum motor oil (1)			208842	232596	2353.331	3256.338	
Average motor oil (1)					261.481	814.085	

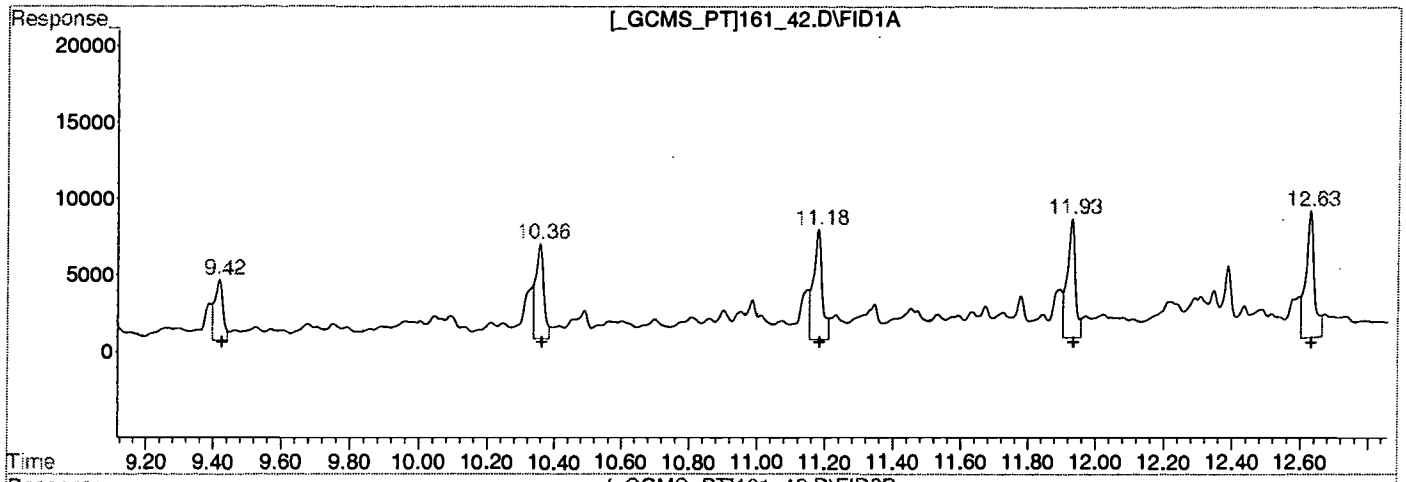
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

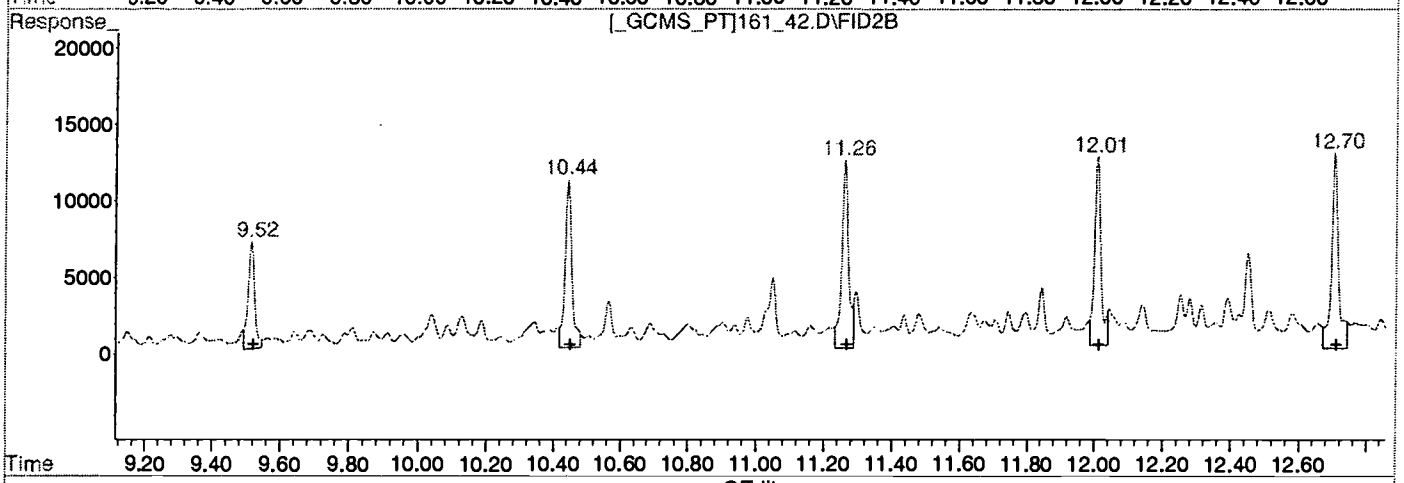
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.42	63672	108.11
10.36	98240	95.28
11.18	125498	108.88
11.93	127900	107.58
12.63	141712	107.77
13.28	106370	102.37
13.90	96980	89.92
14.49	82397	113.88
15.05	77250	111.95
15.58	38088	106.09

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.52	94328	95.55
10.44	146642	99.21
11.26	169676	106.59
12.01	163234	100.88
12.70	188920	108.91
13.36	132280	111.22
13.98	94718	106.27
14.57	79807	108.48
15.12	57284	104.06
15.66	39188	105.62

(+) = Expected Retention Time

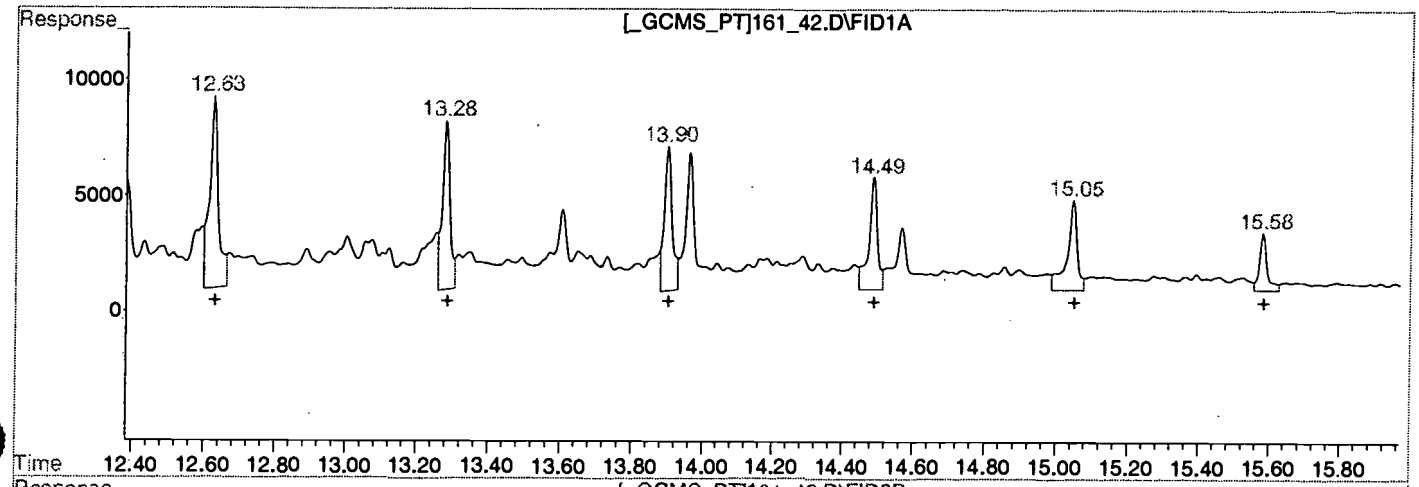
161_42.D TPH.M Fri Feb 22 08:55:36 2002 GRO

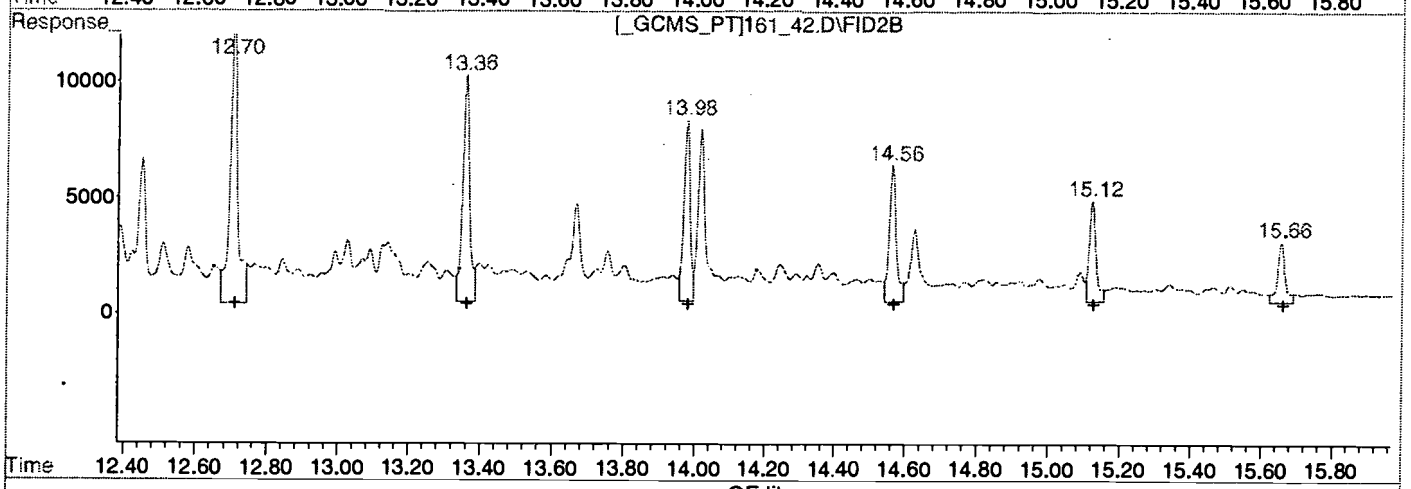
Quantitation Report (Qedit)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH Vial: 42
Acq On : 21 Feb 2002 22:47 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH Vial: 42
Acq On : 21 Feb 2002 23:26 Operator: HP Demo
Sample : FID A 713 L 4 Inst : GC/FID In
Misc : CCV Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Feb 22 7:33 2002 Quant Results File: TPH.RES

Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration





QEdit

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.42	63672	108.11
10.36	98240	95.28
11.18	125498	108.88
11.93	127900	107.58
12.63	141712	107.77
13.28	106370	102.37
13.90	96980	89.92
14.49	82397	113.88
15.05	77250	111.95
15.58	38088	106.09

(51) diesel (1) #2 (L6,D)

R.T.	Response	Conc
9.52	94328	95.55
10.44	146642	99.21
11.26	169676	106.59
12.01	163234	100.88
12.70	188920	108.91
13.36	132280	111.22
13.98	94718	106.27
14.57	79807	108.48
15.12	57284	104.06
15.66	39188	105.62

(+) = Expected Retention Time

161_42.D TPH.M Fri Feb 22 08:55:47 2002 GRO

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID1A.CH
Acq On : 21 Feb 2002 22:47
Sample : FID A 713 L 4
Misc : CCV
IntFile : AUTOINT1.E

Vial: 42
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

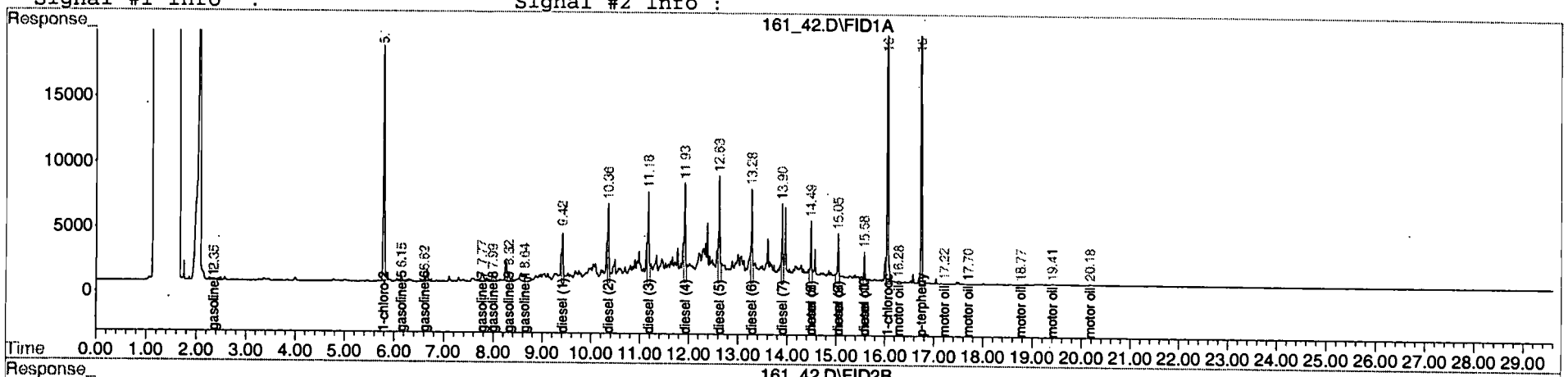
Data File : C:\HPCHEM\3\DATA\161\161_42.D\FID2B.CH
Acq On : 21 Feb 2002 23:26
Sample : FID A 713 L 4
Misc : CCV
IntFile : EVENTS2.E

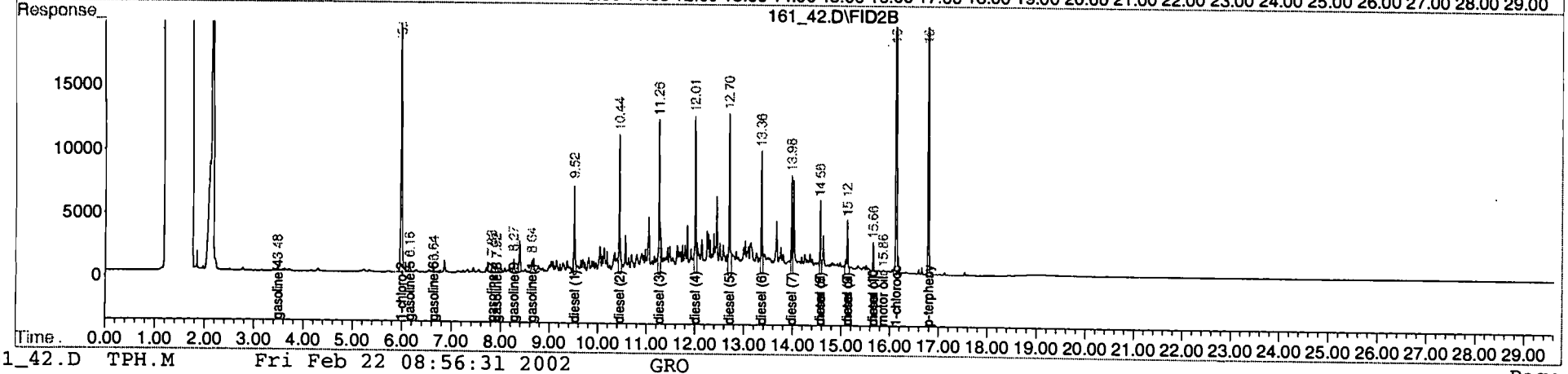
Vial: 42
Operator: HP Demo
Inst : GC/FID In
Multiplr: 1.00

Quant Time: Feb 22 8:55 2002 Quant Results File: TPH.RES

Quant Method : C:\HPCHEM\3\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 21 15:10:48 2002
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





150

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
INDIANAPOLIS

OFFICE MEMORANDUM

DATE: November 8, 2002

TO: Jim Harris
Ground Water Section

THRU: Martha Clark, Section Chief MEC
Ground Water

FROM: Mitt Denney MD
Ground Water Section

SUBJECT: DK27595

I have reviewed the attached results and have determined that the results are acceptable for use. The results have been evaluated for the quality criteria contained in the Ground Water Quality Assurance Program Plan and BAA 97-044. Reviews are confined to the Regulated Drinking Water Contaminants and positive detects of chemical compounds. Unless specified otherwise in this memorandum, analytical results for compounds listed on the Primary and Secondary Drinking Water Standards Lists, for the sample(s) identified in the specified analytical report, are acceptable for quantitative purposes. Any qualification for the acceptance of these results will be identified in this memorandum. This memorandum should remain attached to the original results.

QA/QC Samples

QA/QC samples were within acceptable limits for the analyses performed. Samples can be used for quantitative evaluation.

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	15-FEB-02		A584991
	Complete	PO Number	
	08-MAR-02	318E	
	Printed	Sampled	
	08-MAR-02	13-FEB-02 11:30	

Report To	Bill To
MITT L. DENNEY INDIANA DEPT. OF ENVIRONMENTAL MANAGEMEN 2525 NORTH SHADELAND AVENUE BUILDING 30 INDIANAPOLIS, IN 46219	DEBBIE HILTON (SHADELAND) INDIANA DEPT. OF ENVIRONMENTAL MANAGEMEN 100 N. SENATE AVENUE PO BOX 6015 INDIANAPOLIS, IN 46206

Sample Description

CLIENT ID: DK27595
MATRIX TYPE: NON-SPECIFIC WATER
Submitter Code :7195

MICRO-EXTRACTION FOR FID HL12

Analyst: J. MONTGOMERY Analysis Date: 20-FEB-02 Instrument: PREP Test: P409.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	40		mL
FINAL VOLUME	2		mL

HYDROCARBON SCAN BY GC:FID SW846-8015B(MOD)

NELAC:N

Analyst: J. MONTGOMERY Analysis Date: 21-FEB-02 20:48 Instrument: GC/FID Test: 0409.1.0

Prep: MICRO-EXTRACTION FOR FID HL12 P409.0.0

Parameter	Result	Det. Limit	Units
GASOLINE	BDL	0.5	mg/L
DIESEL FUEL	BDL	1.3	mg/L
OTHER HYDROCARBONS	BDL	2.5	mg/L
...			
SURROGATE RECOVERY			

1-CHLORO-2-FLUOROBENZENE	125.1		% Rec
1-CHLOROOCTADECANE	133.3		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 2.9 C.
All aqueous samples are reported on a wet weight basis unless otherwise noted.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.
The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and

Sample Comments

Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Arizona License Number AZ0627.

Approved : GA Busch, QAO

QUALITY ASSURANCE REPORT

Service Location
HERITAGE ENVIRONMENTAL SERVICES, LLC
COMMERCIAL LABORATORY OPERATIONS
7901 W. MORRIS ST.
INDIANAPOLIS, IN 46231
(317)243-8304

Report Date
08-MAR-02

Submitter
INDIANA DEPARTMENT OF ENVIRONMENTAL MGMT
.
P O BOX 6015
INDIANAPOLIS, IN 46206

Client ID	Lab ID	Date-Time Sampled	Date Received	Date Complete	Description
DK27595	A584991	13-FEB-02 11:30	15-FEB-02	08-MAR-02	

HERITAGE ENVIRONMENTAL SERVICES, LLC

HYDROCARBON SCAN BY GC:FID SW846-8015B(MOD) 0409.1

Prep: MICRO-EXTRACTION FOR FID HLI2

Run: R428282 Analyst.: J MONTGOMERY Run Date...: 20-FEB-02
PREP Reviewer: S BRYAN Review Date: 22-FEB-02

QC Type	Lab ID	Source	Anal Run
BLA02	Q1338152		R428373
LCS	Q1338153		R428373
SPI02	Q1338155	A584991	R428373
DPS02	Q1338156	A584991	R428373
SAMPLE	A584991	Rep: 0	R428373

Run: R428373 Analyst.: J MONTGOMERY Run Date...: 21-FEB-02 Instrument: GC/FID
ANALYTICAL Reviewer: E WERNZ Review Date: 25-FEB-02

QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
CCV	Q1338766		DIESEL FUEL	100		107	mg/L	107	
BLA02	Q1338152		GASOLINE			BDL 0.5	mg/L		
BLA02	Q1338152		DIESEL FUEL			BDL 1.3	mg/L		
BLA02	Q1338152		OTHER HYDROCARBONS			BDL 2.5	mg/L		
LCS	Q1338153		GASOLINE	5		4.49	mg/L	89.8	
SAMPLE	A584991		See Cert. of Analysis, Rep: 0						
SPI02	Q1338155	A584991	GASOLINE	0	5	4.54	mg/L	90.8	
DPS02	Q1338156	A584991	GASOLINE	0	5	4.5	mg/L	90	.9
CCV	Q1338767		GASOLINE	50		49	mg/L	98	

QC Sample Comments

BDL Below Detection Limit

Approved by: H A Burch, QAO