On-Site Environmental, Inc.

Environmental Restoration Specialists

MONITORING WELLS INSTALLATION AND GROUNDWATER SAMPLING AT THE OXOCHEM/ CARIBE ISOPRENE PEÑUELAS, PUERTO RICO

Prepared for:

Commonwealth Oil and Refining Company, Inc.
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July 28, 2005

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1.0 INTRODUCTION

ON-SITE ENVIRONMENTAL, INC. (OSE) was contracted by Commonwealth Oil and Refining Company, Inc. (CORCO) for the assessment of potential for migration of contaminated groundwater, if any, along boundary of Caribe Isoprene and Oxochem with Tallaboa River. Figure 1 shows the site location.

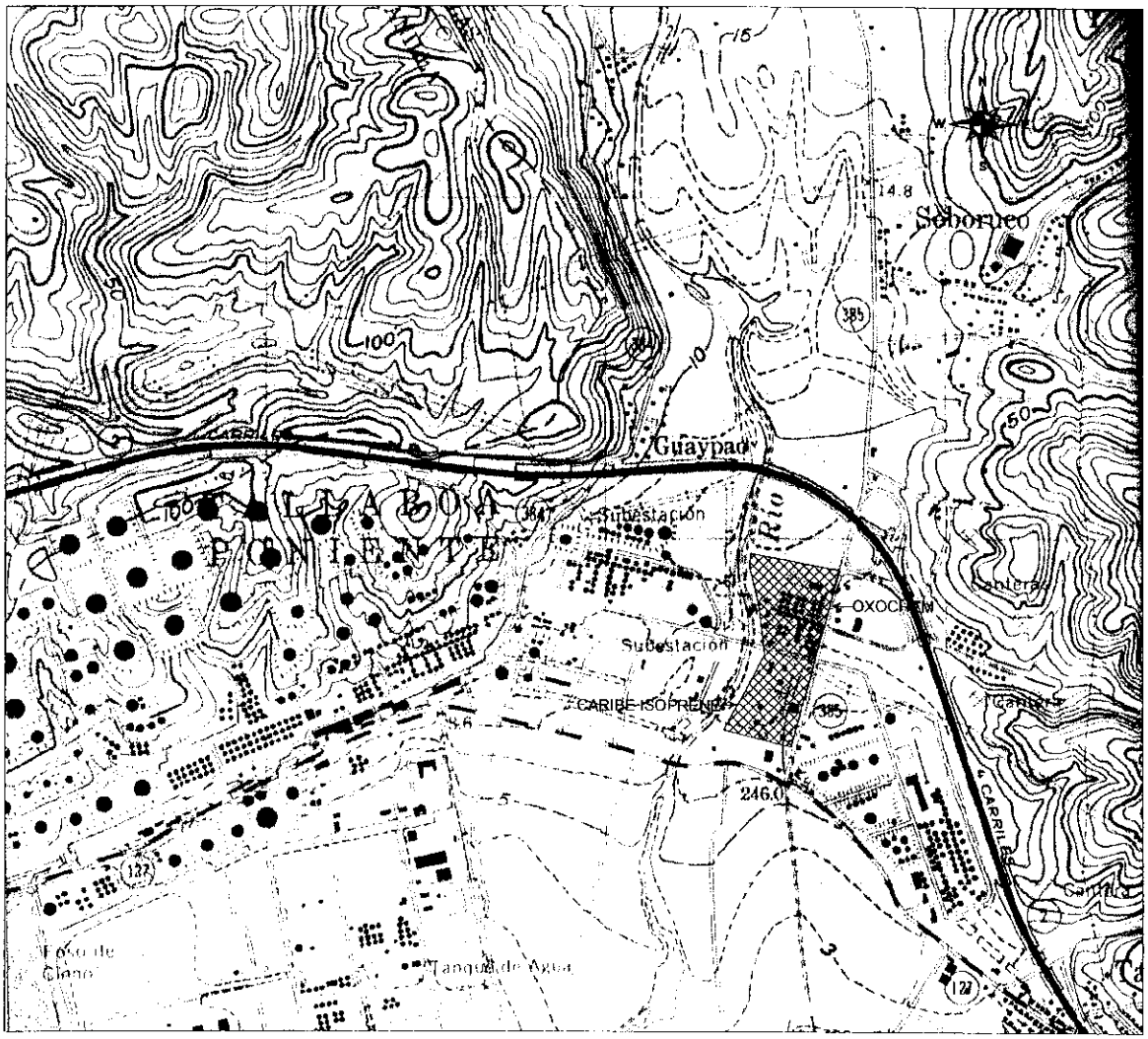

Figure 1. Site Location Map

1.1 Site Description

The Oxochem and Caribe Isoprene facilities were formerly joint ventures located in the vicinity of the CORCO main site. These properties are presently owned by CORCO. The site is adjoining to the Highway # 385 at the east; with a Puerto Rico Telephone facility at the south; and, with

the Tallaboa River at the west[1].

The facility is over Alluvial Deposits from the Holocene Epoch. The Alluvial Deposits consist of cobbles, pebbles, sand, clay, and sandy clay. Thickness variable, but probably as much as 50 m in the area southwest of Ponce and in the southern part of the Río Tallaboa[2]. Figure 2 shows the geology of the area.

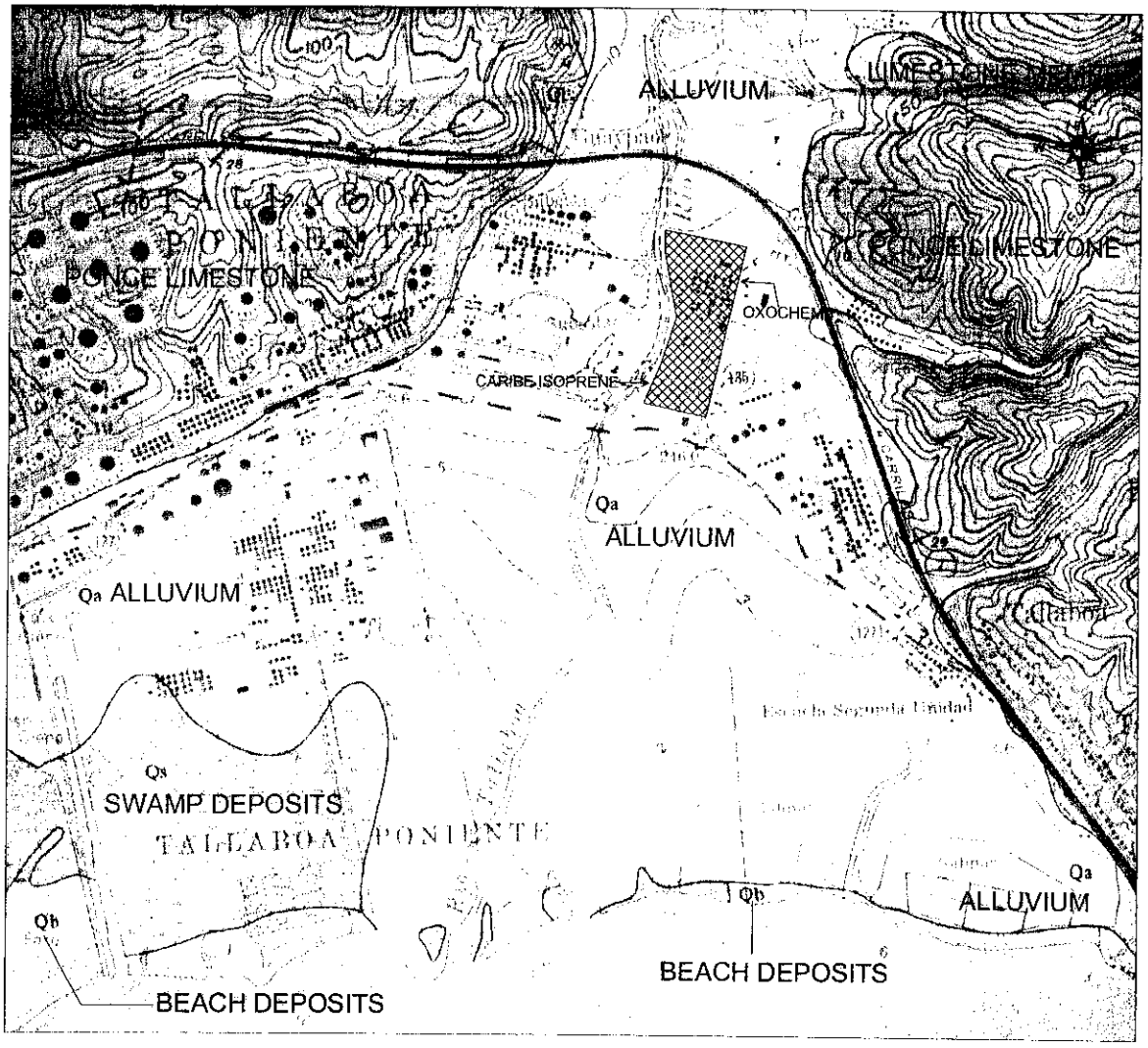

Figure 2. Geologic Map

[1]USGS Peñuelas Quadrangle, 1972, Photo revised 1982

[2] Krushensky Richard D. and Monroe Watson H., Geologic Map Of The Peñuelas and Punta Cuchara Quadrangle, Puerto Rico, 1978

2.0 OBJECTIVE

The objective of the Monitoring Wells Installation and the groundwater sampling is:

- Evaluate the possibility of groundwater contamination and the necessity to define any potential plume along boundary with Tallaboa River.
- If there is such a migration, assess its potential as a "human exposure pathway" as per Environmental Protection Agency's (EPA's) Environmental Indicators.
- Determined the presence (if any) of total petroleum hydrocarbon (TPH) and benzene, toluene, ethyl benzene and xylens (BTEX) in groundwater does not exceed the Puerto Rico Environmental Quality Board (PREQB) Water Quality Standards.

The sampling procedures followed during the field work was developed using the EPA's manual SW-846 (chapter eleven), EPA Standard Operating Procedure for The Standard/Well volume Method For Collecting A Ground-Water Sample From Monitoring Wells For Site Characterization, and EPA Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers as a guidelines.

3.0 DEFINITION OF CONTAMINATED GROUNDWATER

Table 1 includes the PREQB Water Quality Standards established on the Underground Storage Tank Control Regulation for TPH and BTEX regulatory levels in groundwater. These regulatory levels are used in Puerto Rico by PREQB and EPA to determine if any corrective actions are necessary in the study area.

Table 1. TPH and BTEX Regulatory Levels for Groundwater

Parameters	Regulatory Levels
TPH Gasoline	50 ppm
TPH Diesel	50 ppm
TPH Oil	50 ppm
Benzene	5 ppb
Ethyl benzene	700 ppb
Toluene	1,000 ppb
Xylenes	10,000 ppb

4.0 FIELD WORK

Fieldwork was executed by OSE from June 28 to July 1, 2005, and from July 18 to 19, 2005. CORCO personnel were present during fieldwork for clearance of monitoring wells location and verification of the possible location of underground utility lines. Figure 3A and 3B shows the monitoring wells location.

4.1 Monitoring Wells Installation

OSE personnel installed a total of five (5) monitoring wells at Oxochem (OW-1 to OW-5) and five (5) monitoring wells at Caribe Isoprene (IW-1 to IW-5). OSE personnel performed the drilling for the monitoring wells installation with a Bob Cat operated auger. The construction of the wells consisted in the installation of one, 2 inches 40 Schedule PVC screen pipe from twenty five (25) to five (5) feet below ground surface (bgs); and one 2 inches 40 Schedule PVC riser pipe from five (5) feet bgs to the surface. A gravel pack was installed from twenty five (25) to two (2) feet bgs; bentonite from two (2) feet bgs to one (1) foot bgs; and, cement from one (1) foot bgs to the surface. Soil samples were collected during the drilling for the wells installation to describe the lithology of the area.

On July 18 and 19, 2005, OSE performed the groundwater depth (below ground surface) measurements on the monitoring wells. Table 2 summarized the groundwater monitoring results.

Table 2. Groundwater Monitoring Results

Well ID	Groundwater (feet bgs)
Caribe Isoprene	
IW-1	11.15
IW-2	9.35
IW-3	11.45
IW-4	8.6
IW-5	10.5
Oxochem	
OW-1	13.45
OW-2	13.5
OW-3	13.9
OW-4	14.1
OW-5	14.7

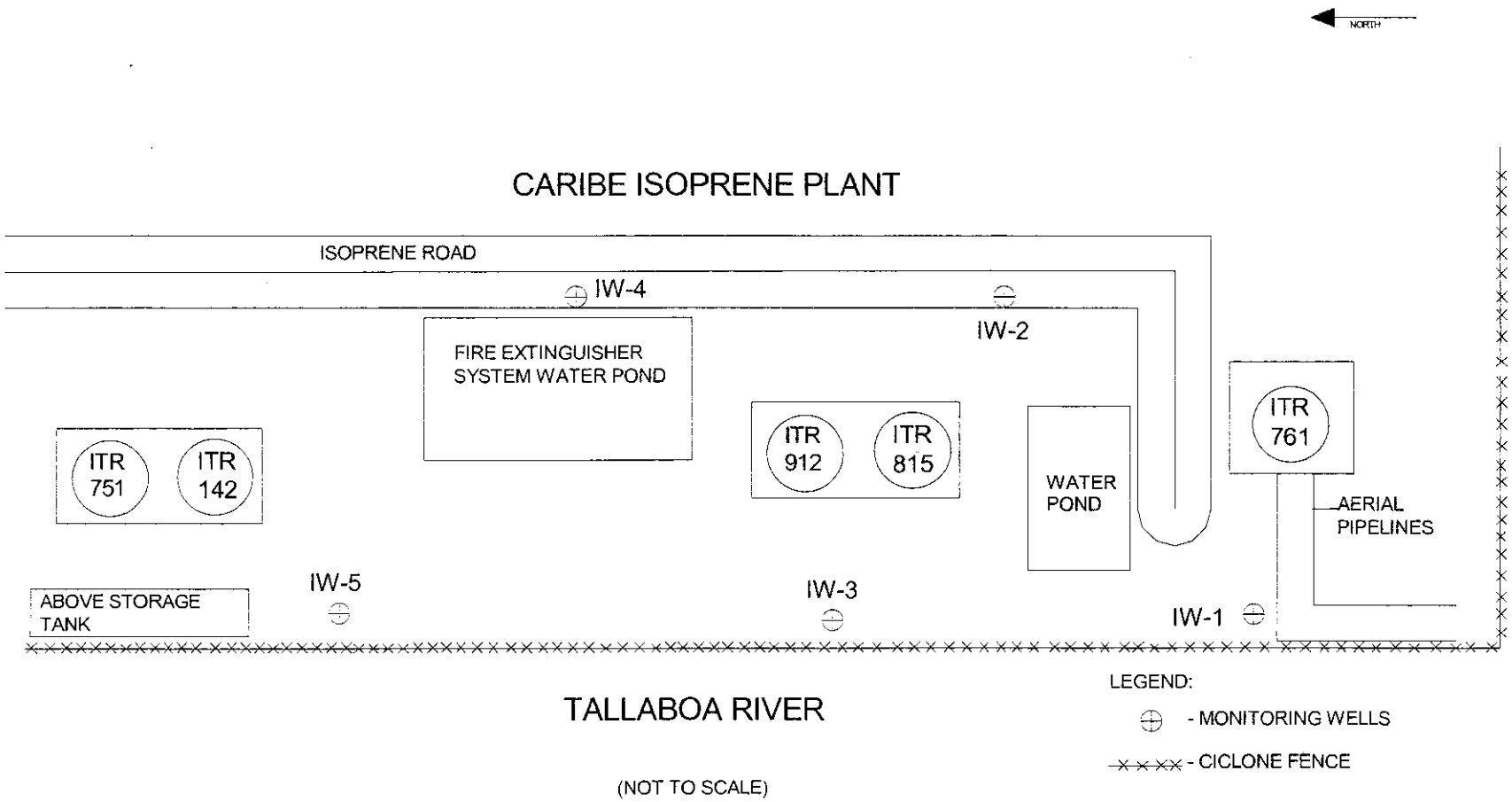

Figure 3A. Caribe Isoprene Monitoring Wells Location Plan

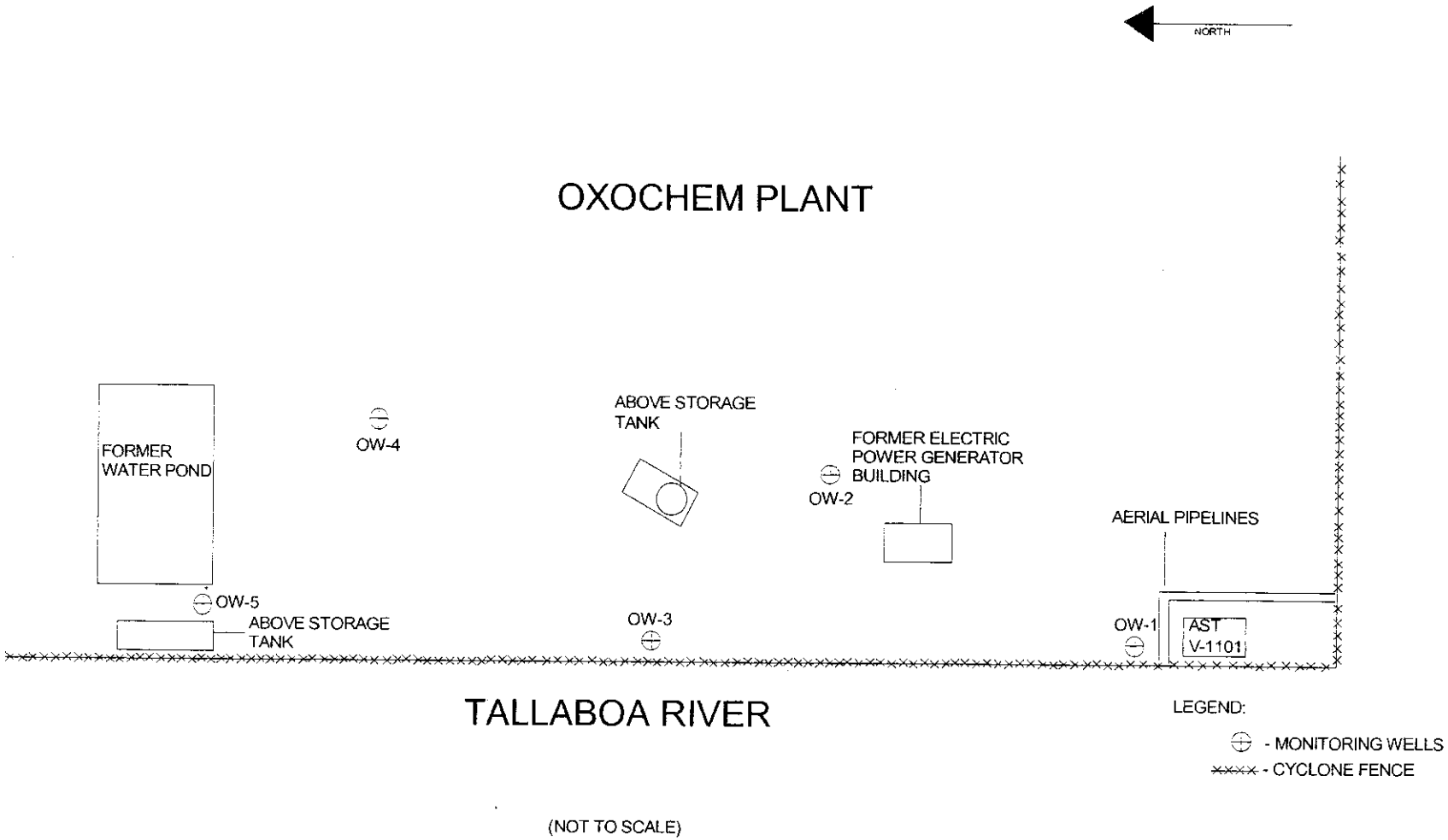

Figure 3B. Oxochem Monitoring Wells Location Plan

4.2 Monitoring Wells Groundwater Sampling and Analyses

From July 18 to July 19, 2005, OSE performed a groundwater sampling from the Monitoring Wells. The following protocol was used for the collection of the groundwater samples:

- Removal of approximately three (3) times the water volume in the well;
- The well recovery must exceed 90% from it's initial level;
- Collection of the groundwater sample using a peristaltic pump.

Sampling technicians wore disposable latex gloves between each sampling point.

Groundwater samples were collected and placed in one (1) liter bottle and three (3) 40 milliliters vials with plastic screw caps coated with Teflon. Sample containers were provided by Pace Analytical del Caribe (Pace) located in San Germán, Puerto Rico.

Groundwater and QA/QC samples (described on Subsection 4.2.2) were sent to Pace to be analyzed for Total Petroleum Hydrocarbon (TPH, gasoline, diesel and oil range organics) using EPA Method 8015B, and also analyzed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) using EPA Method 8021.

4.2.1 Decontamination Procedure and Sample Preservation

Decontamination of sampling equipment was not necessary because a new previously unused peristaltic pump hose was used to collect each groundwater sample.

Samples were placed in an ice chest immediately after collection and preserved on ice capable of maintaining an approximate temperature of four degrees Celsius (4°C) until delivery to the laboratory.

Samples were identified according to procedures outlined in the Laboratory Standard Operating Procedure (SOP).

A standard label was attached to the sample container before collection and included the following information:

1. Client name
2. Project name
3. Project number
4. Sample location

5. Boring number
6. Collector name
7. Sample type
8. Parameters
9. Preservatives.

A chain-of-custody record was used to document the custody of all samples and maintained by OSE personnel. The following information was included in the chain-of-custody record:

1. Client name
2. Project number
3. Site location
4. Name, company, and signature of person collecting the samples
5. Identification number of all samples included in the shipment
6. Sample description
7. Date and time of sample collection
8. Name, company, and signature of field technician collecting samples.
9. Name and signature of laboratory custodian receiving the samples.

4.2.2 Quality Assurance/ Quality Control Procedures

The QA/QC procedures were performed during fieldwork to verify the integrity of field and laboratory sampling procedures.

QA/QC consisted of the preparation of trip blanks, equipment blanks, field blanks and duplicates.

a. Equipment Blanks

The equipment blank was collected by pouring de-ionized water over decontaminated sampling equipment. The rinse water was collected in one (1) liter and three (3) vials provided by the laboratory. An equipment blank was not prepared for the groundwater sampling equipment due to the peristaltic pump hose was changed for the collection of each groundwater sample.

b. Trip Blanks

The trip blank sample was prepared in the laboratory using de-ionized water, carried to the field, and then sent back to the laboratory in the ice chest with soil and blank samples, without being opened in the field. One (1) trip blank was prepared per shipping cooler.

c. Field Blanks

The field blank was prepared in the laboratory using de-ionized water. This blank is brought on site in sealed condition, opened at site, exposing it to field conditions during field work and then transferred back to the laboratory with remaining samples. One (1) field blank was prepared per day of sampling.

d. Duplicates

One (1) duplicate was prepared per sampling day.

5.0 PHYSICAL AND ANALYTICAL RESULTS

Physical Results

- The subsurface lithology observed during the fieldwork was a silty clay that changes vertically to a clayey sand in some locations. No petroleum hydrocarbon odor was perceived or petroleum hydrocarbon discoloration was observed on the soil samples that were collected from the borings drilled for the wells installation. The lithology of the facility is described in detail on the Boring Logs included on Appendix A.
- Light non aqueous phase liquid (LNAPL) was not detected on the groundwater during the wells monitoring performed on July 18 and July 19, 2005.

Analytical Results

- All groundwater samples showed TPH concentrations below PREQB water quality standards included on Table 1.
- BTEX constituents were not detected in any of the groundwater samples.
- Table 3 summarized the laboratory results.

Table 3. Groundwater Samples Analytical Results

SAMPLE ID	DATE	TPH Gasoline Range (PPM)	TPH Diesel Range (PPM)	TPH Oil Range (PPM)	BTEX (PPM)
Trip Blank	7/18/05	ND	ND	ND	ND
IW-1	7/18/05	25	9.1	ND	ND
IW-2	7/18/05	6.3	6.8	ND	ND
Field Blank	7/18/05	ND	ND	ND	ND
IW-4	7/18/05	ND	ND	ND	ND
IW-4 DUP	7/18/05	ND	ND	ND	ND

Table 3. Groundwater Samples Analytical Results (continuation)

SAMPLE ID	DATE	TPH Gasoline Range (PPM)	TPH Diesel Range (PPM)	TPH Oil Range (PPM)	BTEX (PPM)
IW-3	7/19/05	0.11	1.3	ND	ND
IW-5	7/19/05	ND	1.6	ND	ND
OW-1	7/19/05	ND	0.73	ND	ND
OW-2	7/19/05	1.1	15	ND	ND
OW-3	7/19/05	ND	0.71	ND	ND
OW-4	7/19/05	ND	25	ND	ND
OW-5	7/19/05	ND	15	ND	ND
OW-5 DUP	7/19/05	ND	15	ND	ND
Field Blank 2	7/19/05	ND	ND	ND	ND

Note:
ND - Not Detect

The Pace analytical report is included on Appendix B.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- Because all TPH concentrations were below PREQB regulatory levels and because BTEX constituents were not detected in any groundwater samples, the data indicate that there is no risk to human health or to the environment from any hydrocarbon contamination at the Oxochem and Caribe Isoprene facilities.
- OSE recommends no further action along the boundary with Tallaboa River at Oxochem and Caribe Isoprene in Peñuelas, Puerto Rico.

APPENDIX

APPENDIX A

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE CARIBE ISOPRENE MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: IW-1
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 15 feet below ground surface
POTENSIOMETRIC LEVEL: 11.15 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
2					
3					
4					
5			Grab		
6					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Clayey Silt, brown, saturated, no petroleum hydrocarbon odor or discoloration
17					
18					
19					
20			Grab		
21					Clayey Silt, brown, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE CARIBE ISOPRENE MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: IW-2
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 15 feet below ground surface
POTENSIOMETRIC LEVEL: 9.35 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
2					
3					
4					
5			Grab		
6					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
17					
18					
19					
20			Grab		
21					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE CARIBE ISOPRENE MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: IW-3
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 15 feet below ground surface
POTENSIOMETRIC LEVEL: 11.45 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
2					
3					
4					
5			Grab		
6					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15	▼		Grab		
16					Silty Clay, dark brown, saturated, no petroleum hydrocarbon odor or discoloration
17					
18					
19					
20			Grab		
21					Silty Clay, dark brown, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE CARIBE ISOPRENE MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: IW-4
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 13 feet below ground surface
POTENSIOMETRIC LEVEL: 8.60 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					
2					
3					
4					
5			Grab		Fill Material
6					
7					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
8					
9					
10			Grab		
11					
12					Clayey Sand, coarse grain, brown, saturated, no petroleum hydrocarbon odor or discoloration
13	▼				
14					
15			Grab		
16					
17					Clayey Sand, coarse grain, brown, saturated, no petroleum hydrocarbon odor or discoloration
18					
19					
20			Grab		
21					
22					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE CARIBE ISOPRENE MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: IW-5
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 13 feet below ground surface
POTENSIOMETRIC LEVEL: 10.50 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Fill Material
2					
3					
4					
5			Grab		
6					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Clayey Sand, coarse grain, brown, saturated, no petroleum hydrocarbon odor or discoloration
12					
13	▼				
14					
15			Grab		
16					Clayey Sand, coarse grain, brown, saturated, no petroleum hydrocarbon odor or discoloration
17					
18					
19					
20			Grab		
21					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE OXOCHEM MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: OW-1
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 17 feet below ground surface
POTENSIOMETRIC LEVEL: 13.45 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					
2			Grab		Fill Material
3					Silty Clay with fine sand, brown, moist, no petroleum hydrocarbon odor or discoloration
4					
5			Grab		
6					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Clayey Sand coarse grain, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
17	▼				
18					
19					
20			Grab		
21					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE OXOCHEM MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: OW-2
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 17 feet below ground surface
POTENSIOMETRIC LEVEL: 13.50 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Gravel
2			Grab		
3					Fill Material
4					
5			Grab		
6					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Clayey Sand coarse grain, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
17	▼				
18					
19					
20			Grab		
21					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE OXOCHEM MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: OW-3
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 17 feet below ground surface
POTENSIOMETRIC LEVEL: 13.90 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Gravel
2			Grab		
3					Fill Material
4					
5			Grab		
6					Clayey Silt, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Clayey Sand coarse grain, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
17	▼				
18					
19					
20			Grab		
21					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE OXOCHEM MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: OW-4
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A

WATER TABLE: 17 feet below ground surface
POTENSIOMETRIC LEVEL: 13.90 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					
2					
3					
4					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
5			Grab		
6					
7					
8					
9					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
10			Grab		
11					
12					
13					
14					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
15			Grab		
16					
17					
18	▼				
19					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
20			Grab		
21					
22					
23					Silty Clay, gray, saturated, no petroleum hydrocarbon odor or discoloration
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

On-Site Environmental, Inc.

On-Site Environmental, Inc.

SOIL BORING LOG

BORING/WELL LOCATION

SEE OXOCHEM MONITOING WELL LOCATION PLAN

PROJECT: Monitoring Well Installation Oxochem/Caribe Isoprene
CLIENT: Environmental Power
LOCATION: CORCO
DRILLING CO. On- Site Environmental, Inc.
PROFESSIONAL GEOLOGIST: Ricardo Oliver

BORING ID: OW-5
PAGE 1 OF 1

METHOD OF DRILLING: Bob Cat Operated Auger
HOLE DIAMETER: 6 inches
MONITORING WELL DIAMETER: N/A
WATER TABLE: 20 feet below ground surface
POTENSIOMETRIC LEVEL: 14.10 feet below ground surface

DEPTH (FEET)	GRAPHIC LOG	BLOW/ FEET	SAMPLE TYPE AND DEPTH (FEET)	SOIL SCREENING	LITHOLOGY DESCRIPTION
1					Clayey Silt with fine sand, brown, moist, no petroleum hydrocarbon odor or discoloration
2					
3					
4					
5			Grab		
6					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
7					
8					
9					
10			Grab		
11					Silty Clay, brown, moist, no petroleum hydrocarbon odor or discoloration
12					
13					
14					
15			Grab		
16					Silty Clay, brown, saturated, no petroleum hydrocarbon odor or discoloration
17					
18					
19					
20			Grab		
21					Silty Clay with fine sand, gray, saturated, no petroleum hydrocarbon odor or discoloration
22					
23					
24					
25			Grab		
26					Soil Boring ended at 25 feet depth
27					
28					
29					
30					

APPENDIX B

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July 26, 2005

Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Dear Mr. Oliver:

Enclosed are analytical results for samples submitted to Pace Analytical by On-Site Enviromental. The samples were received on July 19, 2005. Please reference Pace project number 05-1740 when inquiring about this report.

Client Site: Corco
Client Ref.: Corco

Pace Sample Identification	Client Sample Identification
0507-0913	Trip Blank
0507-0914	IW1
0507-0915	IW2
0507-0916	Field Blank
0507-0917	IW4
0507-0918	IW4 Dup
0507-0919	IW3
0507-0920	IW5

Pace Sample Identification	Client Sample Identification
0507-0921	OW1
0507-0922	OW2
0507-0923	OW3
0507-0924	OW4
0507-0925	OW5
0507-0926	OW5 Dup
0507-0927	Field Blank 2

General Comments: None

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Milton Martinez Barreto
Project Manager

MMB: mmb

Enclosures

REPORT OF LABORATORY ANALYSIS

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0913**
Client Sample ID: **Trip Blank**
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	<0.50	0.50	mg/L	KIS	07/21/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Lic. Sandra Y. Laboy Olivieri
Lic.# 4122
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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: 05-1740
Lab Sample ID: 0507-0916
Client Sample ID: Field Blank
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	<0.50	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0927**
Client Sample ID: **Field Blank 2**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	<0.50	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<1.0	1.0	mg/L	RGG	07/25/2005	0002161-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. GRO/BTEX sample diluted due to foam-over during sparge.

Approved by: _____ Date: 07/26/05

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A 1032745
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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: 05-1740
Lab Sample ID: 0507-0914
Client Sample ID: IW1
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	9.1	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	25	2.0	mg/L	RGG	07/25/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0915**
Client Sample ID: **IW2**
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	6.8	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	6.3	1.0	mg/L	RGG	07/25/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0919**
Client Sample ID: **IW3**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	1.3	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	0.11	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: 05-1740
Lab Sample ID: 0507-0917
Client Sample ID: IW4
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	<0.50	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0918**
Client Sample ID: **IW4 Dup**
Sample Matrix: Aqueous

Date Sampled: 07/18/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	<0.50	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0920**
Client Sample ID: **IW5**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	1.6	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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07/26/05
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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0921**
Client Sample ID: **OW1**
Sample Matrix: Aqueous

Client Site: Corco
Client Ref.: Corco

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	0.73	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Ricardo Oliver, Echeverria
On-Site Enviromental
P.O. Box 249
Dorado, PR 00646

Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0922**
Client Sample ID: **OW2**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	15	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	1.1	1.0	mg/L	RGG	07/25/2005	0002161-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. GRO/BTEX sample diluted due to foam-over during sparge.

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P.O. Box 249
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Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0923**
Client Sample ID: **OW3**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	0.71	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<0.10	0.10	mg/L	RGG	07/23/2005	0002149-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002147-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002147-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Lab Project ID: **05-1740**
Lab Sample ID: **0507-0924**
Client Sample ID: **OW4**
Sample Matrix: Aqueous

Client Site: Corco
Client Ref.: Corco

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	25	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<2.0	2.0	mg/L	RGG	07/25/2005	0002161-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Ethylbenzene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Toluene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.0050
m,p-Xylene	8021B(1)	<0.20	0.20	mg/L	RGG	07/25/2005	0002160-1	<0.010
o-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. GRO/BTEX sample diluted due to foam-over during sparge.

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Lab Project ID: **05-1740**
Lab Sample ID: **0507-0925**
Client Sample ID: **OW5**
Sample Matrix: Aqueous

Client Site: Corco
Client Ref.: Corco

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	15	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<1.0	1.0	mg/L	RGG	07/25/2005	0002161-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. GRO/BTEX sample diluted due to foam-over during sparge.

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Client Site: Corco
Client Ref.: Corco

Lab Project ID: **05-1740**
Lab Sample ID: **0507-0926**
Client Sample ID: **OW5 Dup**
Sample Matrix: Aqueous

Date Sampled: 07/19/2005
Date Received: 07/19/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	15	0.50	mg/L	KIS	07/22/2005	0002079-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/22/2005	0002079-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	<1.0	1.0	mg/L	RGG	07/25/2005	0002161-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/25/2005	0002160-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/25/2005	0002160-1	<0.0050

(1) U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. GRO/BTEX sample diluted due to foam-over during sparge.

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PACE ANALYTICAL DEL CARIBE

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Notebook for: Instrument Run Log Instrument ID: PADC-PID/FID-002 S/N: 3033A32378 Book No.: 5 Page 1 of 50

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-360	bcc1	GC-S-1-358	is1	GC-S-1-359	m1	GC-1-111D	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-357	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	GC-S-1-361	is4	n/a	m4	n/a	ms4	n/a

AP 7/25/05

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
1	n/a	Instrument BL	<2	n/a	001F0101	Water	5mL	1	7/22/05 14:38 **Run# 4034**	
2	n/a	GRO CCV	<2	n/a	001F0201	Water	5mL	1	7/22/05 15:10	
3	n/a	BTEX CCV	<2	n/a	002F0301	Water	5mL	1	7/22/05 15:43	
4	n/a	MB Aq	<2	n/a	003F0401	Water	5mL	1	7/22/05 16:15	
5	n/a	GRO CCV	<2	n/a	004F0501	Water	5mL	1	7/22/05 16:56	Begin gcc2
6	n/a	MB Aq	<2	2147/2149	005F0601	Water	5mL	1	7/22/05 18:45	
7	n/a	LCS Aq	<2	2147/2149	006F0701	Water	5mL	1	7/22/05 19:17	
8	n/a	LCSD Aq	<2	2147/2149	007F0801	Water	5mL	1	7/22/05 19:49	
9	05-1656	0527	<2	2149	008F0901	Water	5mL	1	7/22/05 20:22	
10	05-1656	0528	<2	2149	009F1001	Water	5mL	1	7/22/05 20:54	
11	05-1656	0529	<2	2149	010F1101	Water	5mL	1	7/22/05 21:26	
12	05-1656	0533	n/a	2100/2101	011F1201	Soil	10.01g	50	7/22/05 21:58	Low surrogate recoveries due to dilution.
13	05-1656	0534	n/a	n/a	012F1301	Soil	10.00g	1	7/22/05 22:30	DNR
14	n/a	GRO CCV	<2	n/a	013F1401	Water	5mL	1	7/22/05 23:03	
15	n/a	BTEX CCV	<2	n/a	014F1501	Water	5mL	1	7/22/05 23:35	
16	05-1740	0913	<2	2147/2149	015F1601	Water	5mL	1	7/23/05 0:07 **Run# 4036**	
17	05-1740	0914	<2	2147/2149	016F1701	Water	5mL	1	7/23/05 0:39	RR 20X G
18	05-1740	0915	<2	2147/2149	017F1801	Water	5mL	1	7/23/05 1:12	RR 10X G
19	05-1740	0916	<2	2147/2149	018F1901	Water	5mL	1	7/23/05 1:44	
20	05-1740	0917	<2	2147/2149	019F2001	Water	5mL	1	7/23/05 2:16	
21	05-1740	0918	<2	2147/2149	020F2101	Water	5mL	1	7/23/05 2:48	

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P.O. Box 325, San Germán, Puerto Rico 00683

Notebook for: Instrument Run Log Instrument ID: PADC-PID/FID-002 S/N: 3033A32378 Book No.: 5 Page 1 of 50

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-360	bcc1	GC-S-1-358	is1	GC-S-1-359	m1	GC-1-111D	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-357	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	GC-S-1-361	is4	n/a	m4	n/a	ms4	n/a

AA 7/25/05

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
22	05-1740	0919	<2	2147/2149	021F2201	Water	5mL	1	7/23/05 3:20	
23	05-1740	0920	<2	2147/2149	022F2301	Water	5mL	1	7/23/05 3:52	
24	05-1740	0921	<2	2147/2149	023F2401	Water	5mL	1	7/23/05 4:24	
25	05-1740	0922	<2	n/a	024F2501	Water	5mL	1	7/23/05 4:56	Foam-over RR 10X-- DNR
26	n/a	GRO CCV	<2	n/a	025F2601	Water	5mL	1	7/23/05 5:29	
27	n/a	BTEX CCV	<2	n/a	026F2701	Water	5mL	1	7/23/05 6:01	
28	05-1740	0923	<2	2147/2149	027F2801	Water	5mL	1	7/23/05 6:33	
29	05-1740	0924	<2	n/a	028F2901	Water	5mL	1	7/23/05 7:05	Foam-over RR 20X-- DNR
30	05-1740	0925	<2	n/a	029F3001	Water	5mL	1	7/23/05 7:37	Foam-over RR 10X-- DNR
31	05-1740	0926	<2	n/a	030F3101	Water	5mL	1	7/23/05 8:09	Foam-over RR 10X-- DNR
32	05-1740	0927	<2	n/a	031F3201	Water	5mL	1	7/23/05 8:41	Foam-over RR 10X-- DNR
33	05-1691	0705	<2	2147/2149	032F3301	Water	5mL	1	7/23/05 9:13	
34	05-1691	0706	<2	2147/2149	033F3401	Water	5mL	1	7/23/05 9:46	
35	n/a	MB Aq	<2	2150/2151	034F3501	Water	5mL	1	7/23/05 10:18	
36	n/a	LCS Aq	<2	2150/2151	035F3601	Water	5mL	1	7/23/05 10:50	
37	n/a	LCSD Aq	<2	2150/2151	036F3701	Water	5mL	1	7/23/05 11:22	
38	n/a	GRO CCV	<2	n/a	037F3801	Water	5mL	1	7/23/05 11:54	
39	n/a	BTEX CCV	<2	n/a	038F3901	Water	5mL	1	7/23/05 12:27	
40	05-1691	0707	<2	2150/2151	039F4001	Water	5mL	1	7/23/05 12:59	
41	05-1679	0669	<2	2150/2151	040F4101	Water	5mL	1	7/23/05 13:31	
42	05-1679	0670	<2	2150/2151	041F4201	Water	5mL	1	7/23/05 14:04	

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Notebook for: Instrument Run Log **Instrument ID:** PADC-PID/FID-002 **S/N:** 3033A32378 **Book No.:** 5 **Page 1 of 50**

KP 7/25/05

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-360	bcc1	GC-S-1-358	is1	GC-S-1-359	m1	GC-1-111D	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-357	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	GC-S-1-361	is4	n/a	m4	n/a	ms4	n/a

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
43	05-1679	0671	<2	2150/2151	042F4301	Water	5mL	1	7/23/05 14:36	
44	05-1679	0672	<2	2150/2151	043F4401	Water	5mL	1	7/23/05 15:08	
45	05-1679	0673	<2	2150/2151	044F4501	Water	5mL	1	7/23/05 15:41	
46	05-1678	0663	<2	2150/2151	045F4601	Water	0.25mL	20	7/23/05 16:13	RR 100X G,B,E,mp
47	05-1678	0664	<2	2150/2151	046F4701	Water	0.25mL	20	7/23/05 16:45	RR 100X G,B
48	05-1678	0665	<2	2150/2151	047F4801	Water	0.25mL	20	7/23/05 17:18	RR 50X T,mp
49	05-1678	0666	<2	2150/2151	048F4901	Water	5mL	1	7/23/05 17:49	
50	n/a	GRO CCV	<2	n/a	049F5001	Water	5mL	1	7/23/05 18:22	
51	n/a	BTEX CCV	<2	n/a	050F5101	Water	5mL	1	7/23/05 18:54	
52	05-1678	0667	<2	2150/2151	051F5201	Water	5mL	1	7/23/05 19:27	
53	05-1678	0668	<2	2150/2151	052F5301	Water	5mL	1	7/23/05 19:59	
54	05-1702	0747	**>2**	2150/2151	053F5401	Water	0.25mL	20	7/23/05 20:31	RR 50X G Sample not preserved, headspace.
55	05-1702	0748	**>2**	2150/2151	054F5501	Water	0.25mL	20	7/23/05 21:04	Unk. Pk. GRO, not preserved, headspace.
56	05-1702	0749	<2	n/a	055F5601	Water	5mL	1	7/23/05 21:36	Foam-over RR 20X-- DNR
57	05-1702	0750	<2	n/a	056F5701	Water	0.5mL	10	7/23/05 22:08	Foam-over RR 20X-- DNR
58	05-1702	0751	<2	n/a	057F5801	Water	5mL	1	7/23/05 22:40	Foam-over RR 20X-- DNR
59	05-1702	0752	<2	n/a	058F5901	Water	0.5mL	10	7/23/05 23:12	Foam-over RR 20X-- DNR
60	05-1702	0753	<2	n/a	059F6001	Water	5mL	1	7/23/05 23:44	Foam-over RR 20X-- DNR
61	05-1702	0754	<2	n/a	060F6101	Water	5mL	1	7/24/05 0:16	**Run# 4037** Foam-over RR 20X-- DNR
62	n/a	GRO CCV	<2	n/a	061F6201	Water	5mL	1	7/24/05 0:49	
63	n/a	BTEX CCV	<2	n/a	062F6301	Water	5mL	1	7/24/05 1:21	

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Notebook for: Instrument Run Log Instrument ID: PADC-PID/FID-002 S/N: 3033A32378 Book No.: 5 Page 1 of 50

AP 7/25/05

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-360	bcc1	GC-S-1-358	is1	GC-S-1-359	m1	GC-1-111D	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-357	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	GC-S-1-361	is4	n/a	m4	n/a	ms4	n/a

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
64	n/a	MB Aq	<2	2152/2153	063F6401	Water	5mL	1	7/24/05 1:53	
65	n/a	LCS Aq	<2	2152/2153	064F6501	Water	5mL	1	7/24/05 2:26	
66	n/a	LCSD Aq	<2	2152/2153	065F6601	Water	5mL	1	7/24/05 2:58	
67	05-1702	0755	<2	2152/2153	066F6701	Water	5mL	1	7/24/05 3:30	
68	05-1702	0756	<2	2152/2153	067F6801	Water	5mL	1	7/24/05 4:02	
69	05-1702	0757	<2	2152/2153	068F6901	Water	5mL	1	7/24/05 4:35	
70	n/a	GRO CCV	<2	n/a	069F7001	Water	5mL	1	7/24/05 5:07	
71	n/a	BTEX CCV	<2	n/a	070F7101	Water	5mL	1	7/24/05 5:39	

Spike Recovery and RPD Summary Report - WATER

Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration

Non-Spiked Sample: 005F0601.D

	Spike Sample	Spike Duplicate Sample
File ID :	006F0701.D	007F0801.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	22-Jul-2005, 19:17:51	22-Jul-2005, 19:49:44

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1503	1599	91	97	6	20	70-130
Benzene	0.0	23	26	22	113	97	15	20	70-130
Toluene	0.0	123	118	123	96	100	4	20	70-130
Ethylbenzene	0.0	29	25	25	84	85	0	20	70-130
m,p-Xylene	0.0	103	96	100	93	98	5	20	70-130
o-Xylene	0.0	42	37	40	89	96	8	20	70-130

- Fails Limit Check

0617ARCH.M Mon Jul 25 10:09:35 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\002F0301.D\FID1A.CH Vial: 2
Acq On : 22-Jul-2005, 15:43:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\002F0301.D\FID2B.CH Vial: 2
Acq On : 22-Jul-05, 15:43:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 22 17:18 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

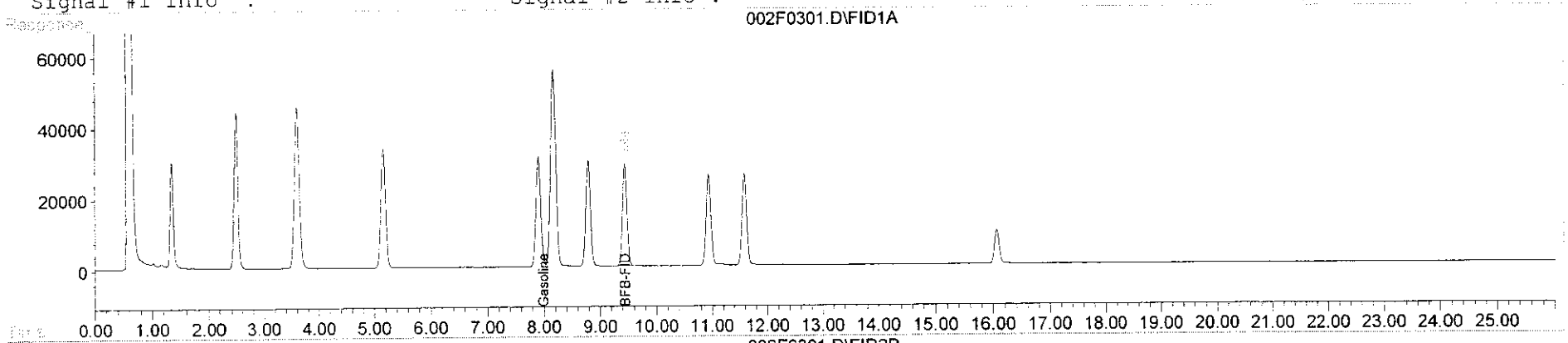
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5543	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1579767	101.148 ug/L
Spiked Amount 100.000		Recovery =	101.15%
3) S 4-Bromofluorobenzene	9.44	19059	98.107 ug/L
Spiked Amount 100.000		Recovery =	98.11%
Target Compounds			
1) H T M Gasoline	8.00	18745309	652.493 ug/L
5) T Methyl-tert-butyl ether	1.35	2565	57.301 ug/L
6) T M Benzene	2.49	12146	57.116 ug/L
7) T M Toluene	5.17	14522	52.045 ug/L
8) T M Ethylbenzene	7.90	14505	53.001 ug/L
9) T M m,p-Xylene	8.17	37822	105.843 ug/L
10) T M o-Xylene	8.79	16059	54.687 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	24607	52.827 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	18381	53.007 ug/L
14) T Naphthalene	16.07	9931	54.760 ug/L

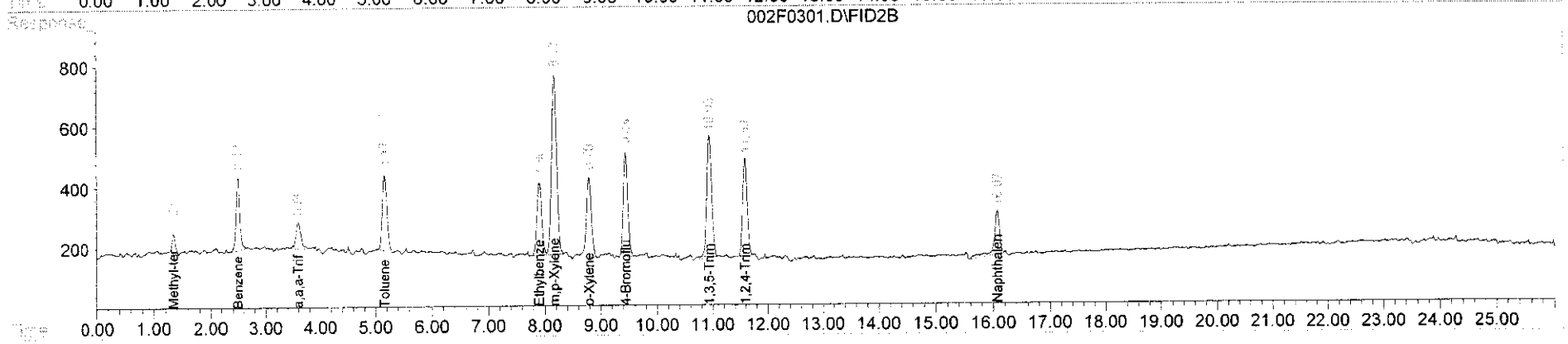
Data Fi. . O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\002F03)\FID1A.CH Vial: 2
Acq On : 22-Jul-2005, 15:43:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\002F0301.D\FID2B.CH Vial: 2
Acq On : 22-Jul-05, 15:43:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 22 17:18 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\004F0501.D\FID1A.CH Vial: 4
Acq On : 22-Jul-2005, 16:56:27 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\004F0501.D\FID2B.CH Vial: 4
Acq On : 22-Jul-05, 16:56:27 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 22 19:28 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.57	6416	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.43	1641162	105.089 ug/L
Spiked Amount 100.000		Recovery =	105.09%
S 4-Bromofluorobenzene	9.44	20881	92.859 ug/L
Spiked Amount 100.000		Recovery =	92.86%
Target Compounds			
1) H T M Gasoline	8.00	25249098	926.183 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.46	4058	17.534 ug/L
7) T M Toluene	5.15	22086	68.698 ug/L
8) T M Ethylbenzene	7.90	5396	15.351 ug/L
9) T M m,p-Xylene	8.15	25390	60.307 ug/L
10) T M o-Xylene	8.78	7973	22.917 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	7794	14.457 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	15855	39.212 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

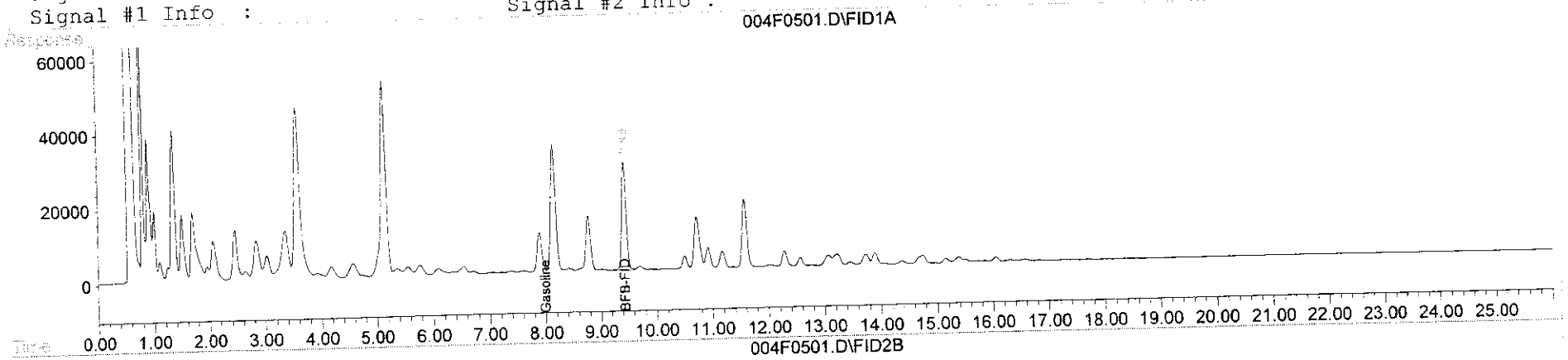
Quantification Report

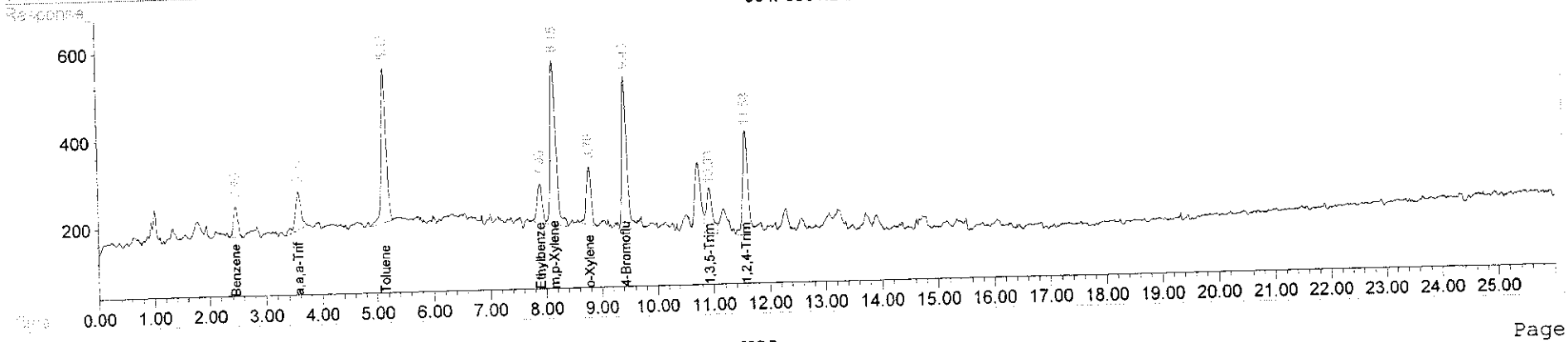
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\004F0501 .FID1A.CH Vial: 4
Acq On : 22-Jul-2005, 16:56:27 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\004F0501.D\FID2B.CH Vial: 4
Acq On : 22-Jul-05, 16:56:27 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 22 19:28 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





004F0501.D 0617ARCH.M Tue Jul 26 09:52:33 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\005F0601.D\FID1A.CH Vial: 5
Acq On : 22-Jul-2005, 18:45:37 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\005F0601.D\FID2B.CH Vial: 5
Acq On : 22-Jul-05, 18:45:37 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:23 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

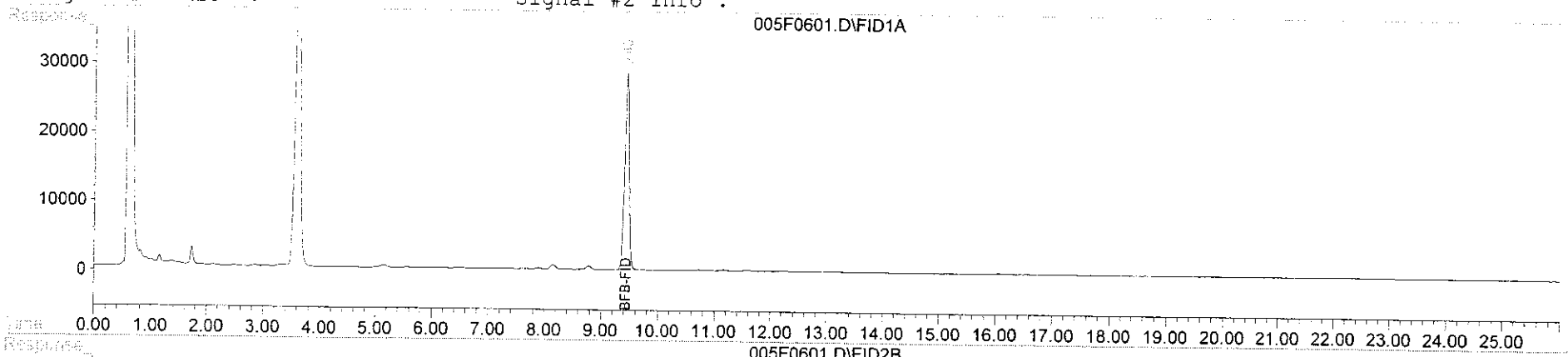
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5319	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.43	1583559	101.391 ug/L
iked Amount 100.000		Recovery =	101.39%
) S 4-Bromofluorobenzene	9.44	18966	101.737 ug/L
Spiked Amount 100.000		Recovery =	101.74%
Target Compounds			
1) H T M Gasoline	8.00	3237272	N.D. ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

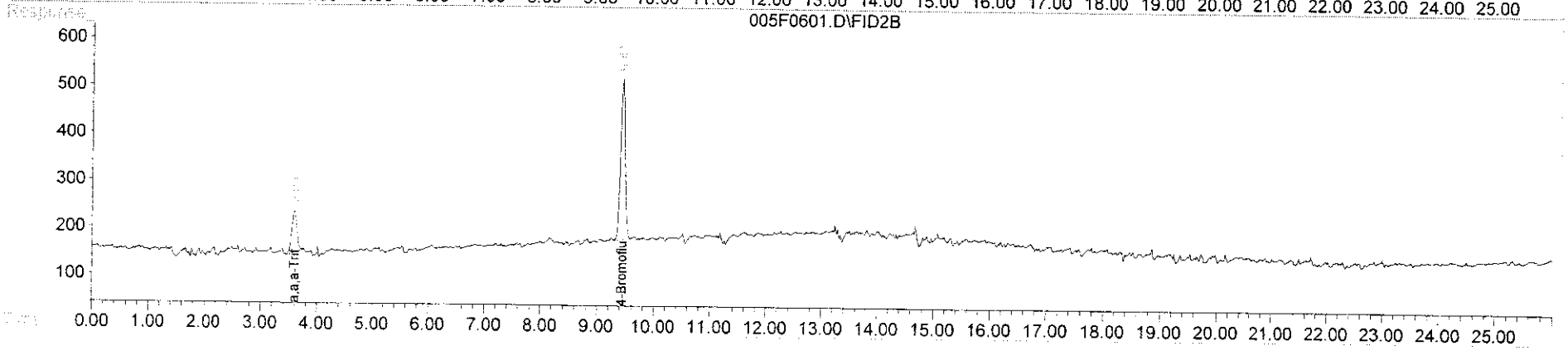
Data F : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\005F0 ..D\FID1A.CH Vial: 5
Acq On : 22-Jul-2005, 18:45:37 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\005F0601.D\FID2B.CH Vial: 5
Acq On : 22-Jul-05, 18:45:37 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:23 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\006F0701.D\FID1A.CH Vial: 6
Acq On : 22-Jul-2005, 19:17:51 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\006F0701.D\FID2B.CH Vial: 6
Acq On : 22-Jul-05, 19:17:51 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:08 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

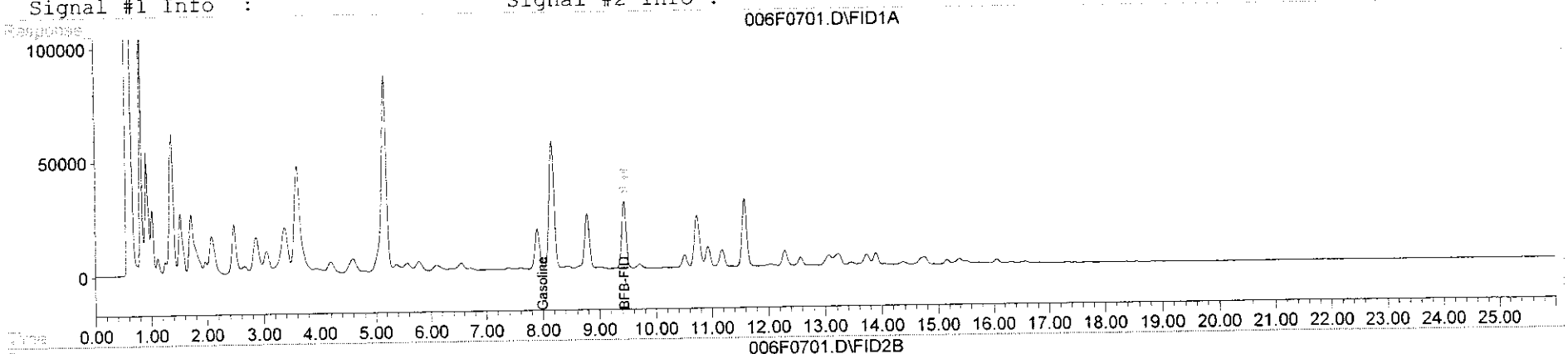
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6075	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1685235	107.918 ug/L
Spiked Amount 100.000		Recovery =	107.92%
S 4-Bromofluorobenzene	9.44	19894	93.439 ug/L
Spiked Amount 100.000		Recovery =	93.44%
Target Compounds			
1) H T M Gasoline	8.00	38958896	1503.112 ug/L
5) T Methyl-tert-butyl ether	1.35	518	10.162 ug/L
6) T M Benzene	2.48	5824	25.818 ug/L
7) T M Toluene	5.17	35837	118.440 ug/L
8) T M Ethylbenzene	7.91	7823	24.823 ug/L
9) T M m,p-Xylene	8.16	37525	95.573 ug/L
10) T M o-Xylene	8.79	12042	37.116 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9379	18.372 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	22164	58.431 ug/L
14) T Naphthalene	16.07	2558	15.850 ug/L

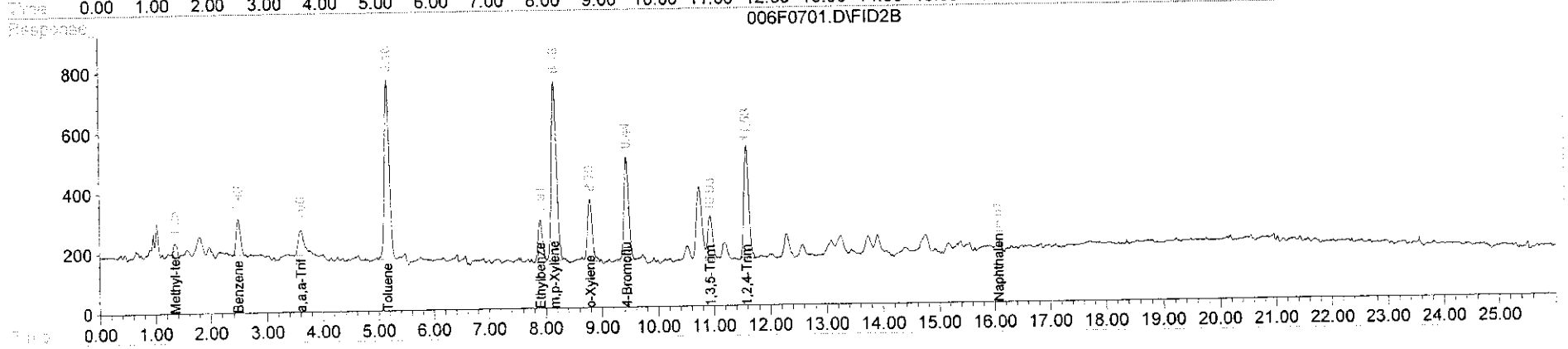
Data File O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\006F070 \FID1A.CH Vial: 6
Acq On : 22-Jul-2005, 19:17:51 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\006F0701.D\FID2B.CH Vial: 6
Acq On : 22-Jul-05, 19:17:51 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:08 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\007F0801.D\FID1A.CH Vial: 7
Acq On : 22-Jul-2005, 19:49:44 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\007F0801.D\FID2B.CH Vial: 7
Acq On : 22-Jul-05, 19:49:44 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:08 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

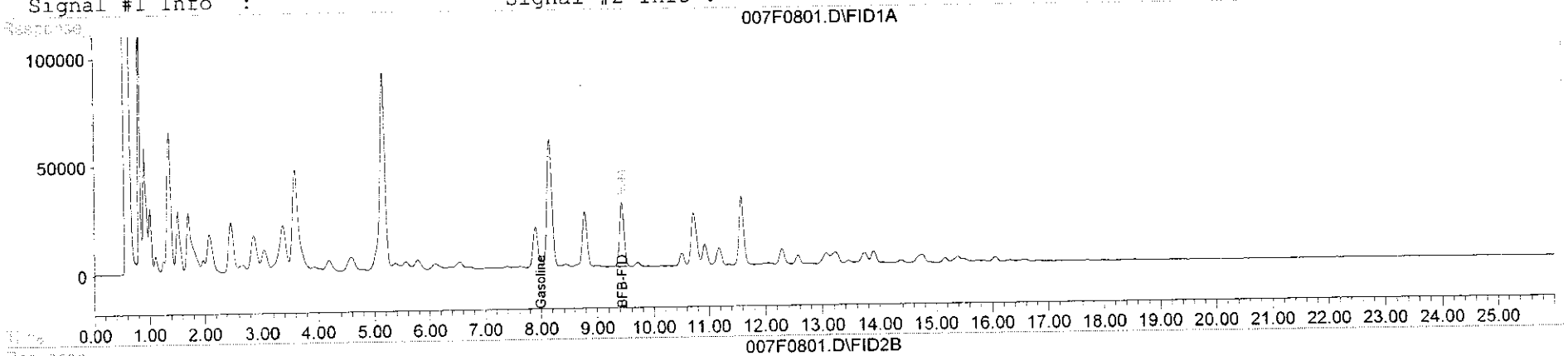
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6196	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1691131	108.297 ug/L
Spiked Amount 100.000		Recovery =	108.30%
S 4-Bromofluorobenzene	9.44	19056	87.757 ug/L
Spiked Amount 100.000		Recovery =	87.76%
Target Compounds			
1) H T M Gasoline	8.00	41227110	1598.562 ug/L
5) T Methyl-tert-butyl ether	1.35	2403	47.941 ug/L
6) T M Benzene	2.48	5058	22.204 ug/L
7) T M Toluene	5.16	37884	122.799 ug/L
8) T M Ethylbenzene	7.91	8012	24.936 ug/L
9) T M m,p-Xylene	8.16	40159	100.415 ug/L
10) T M o-Xylene	8.78	13255	40.135 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	10455	20.080 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	23680	61.266 ug/L
14) T Naphthalene	16.06	1191	9.353 ug/L

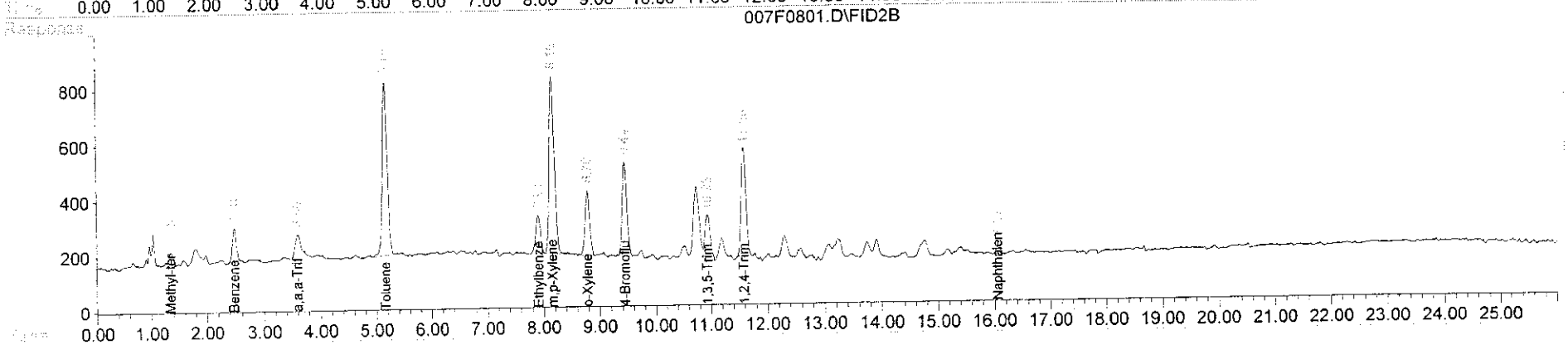
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\007F0801 .FID1A.CH Vial: 7
Acq On : 22-Jul-2005, 19:49:44 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\007F0801.D\FID2B.CH Vial: 7
Acq On : 22-Jul-05, 19:49:44 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:08 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\013F1401.D\FID1A.CH Vial: 13
Acq On : 22-Jul-2005, 23:03:03 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\013F1401.D\FID2B.CH Vial: 13
Acq On : 22-Jul-05, 23:03:03 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

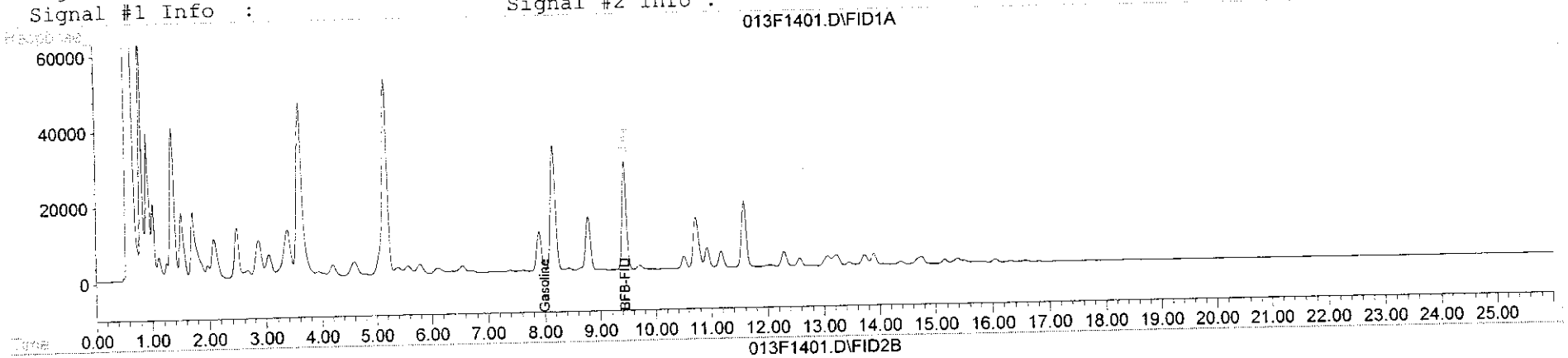
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5816	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1617854	103.593 ug/L
Spiked Amount 100.000		Recovery =	103.59%
S 4-Bromofluorobenzene	9.44	18853	92.496 ug/L
Spiked Amount 100.000		Recovery =	92.50%
Target Compounds			
1) H T M Gasoline	8.00	24571104	897.652 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.49	4183	19.739 ug/L
7) T M Toluene	5.17	22211	76.328 ug/L
8) T M Ethylbenzene	7.91	4770	14.913 ug/L
9) T M m,p-Xylene	8.16	21960	57.428 ug/L
10) T M o-Xylene	8.79	7096	22.482 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	5595	11.449 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	12769	34.714 ug/L
14) T Naphthalene	16.07	825	7.923 ug/L

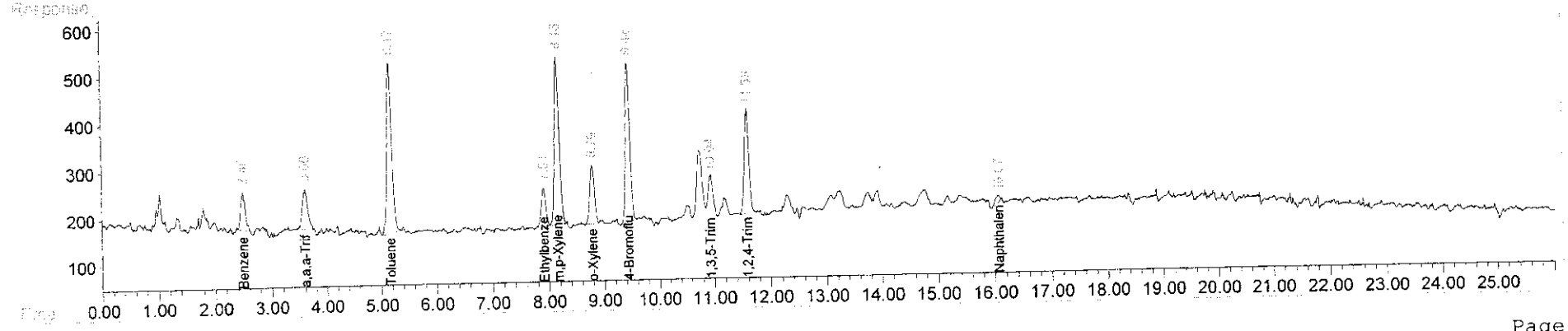
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\013F1401 \FID1A.CH Vial: 13
Acq On : 22-Jul-2005, 23:03:03 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\013F1401.D\FID2B.CH Vial: 13
Acq On : 22-Jul-05, 23:03:03 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\014F1501.D\FID1A.CH Vial: 14
Acq On : 22-Jul-2005, 23:35:05 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\014F1501.D\FID2B.CH Vial: 14
Acq On : 22-Jul-05, 23:35:05 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:34 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

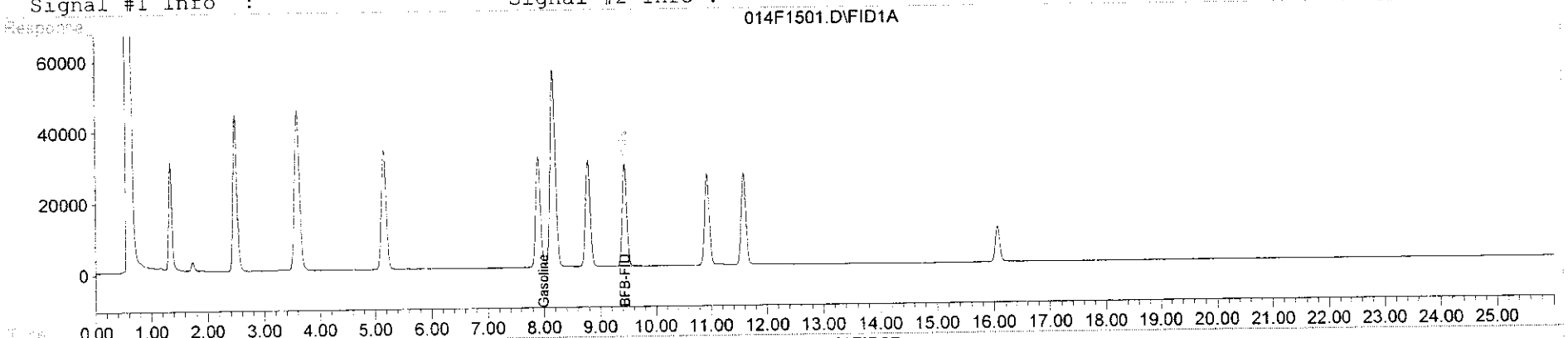
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5481	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1600239	102.462 ug/L
Spiked Amount 100.000		Recovery =	102.46%
) S 4-Bromofluorobenzene	9.44	19594	101.997 ug/L
iked Amount 100.000		Recovery =	102.00%
Target Compounds			
1) H T M Gasoline	8.00	18956351	661.374 ug/L
5) T Methyl-tert-butyl ether	1.35	2097	47.274 ug/L
6) T M Benzene	2.48	11254	53.612 ug/L
7) T M Toluene	5.17	15503	56.267 ug/L
8) T M Ethylbenzene	7.91	14307	52.861 ug/L
9) T M m,p-Xylene	8.17	37813	107.039 ug/L
10) T M o-Xylene	8.79	15931	54.866 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	24663	53.545 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	20140	58.857 ug/L
14) T Naphthalene	16.07	9060	50.821 ug/L

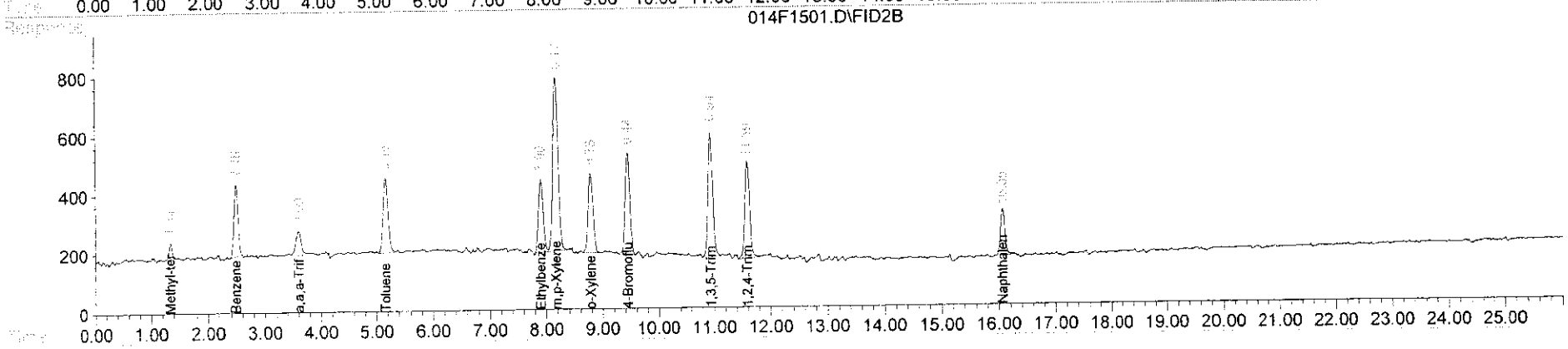
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\014F150 \FID1A.CH Vial: 14
Acq On : 22-Jul-2005, 23:35:05 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\014F1501.D\FID2B.CH Vial: 14
Acq On : 22-Jul-05, 23:35:05 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:34 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\015F1601.D\FID1A.CH Vial: 15
Acq On : 23-Jul-2005, 00:07:35 Operator: RG
Sample : 1740-0913,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\015F1601.D\FID2B.CH Vial: 15
Acq On : 23-Jul-05, 00:07:35 Operator: RG
Sample : 1740-0913,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:29 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

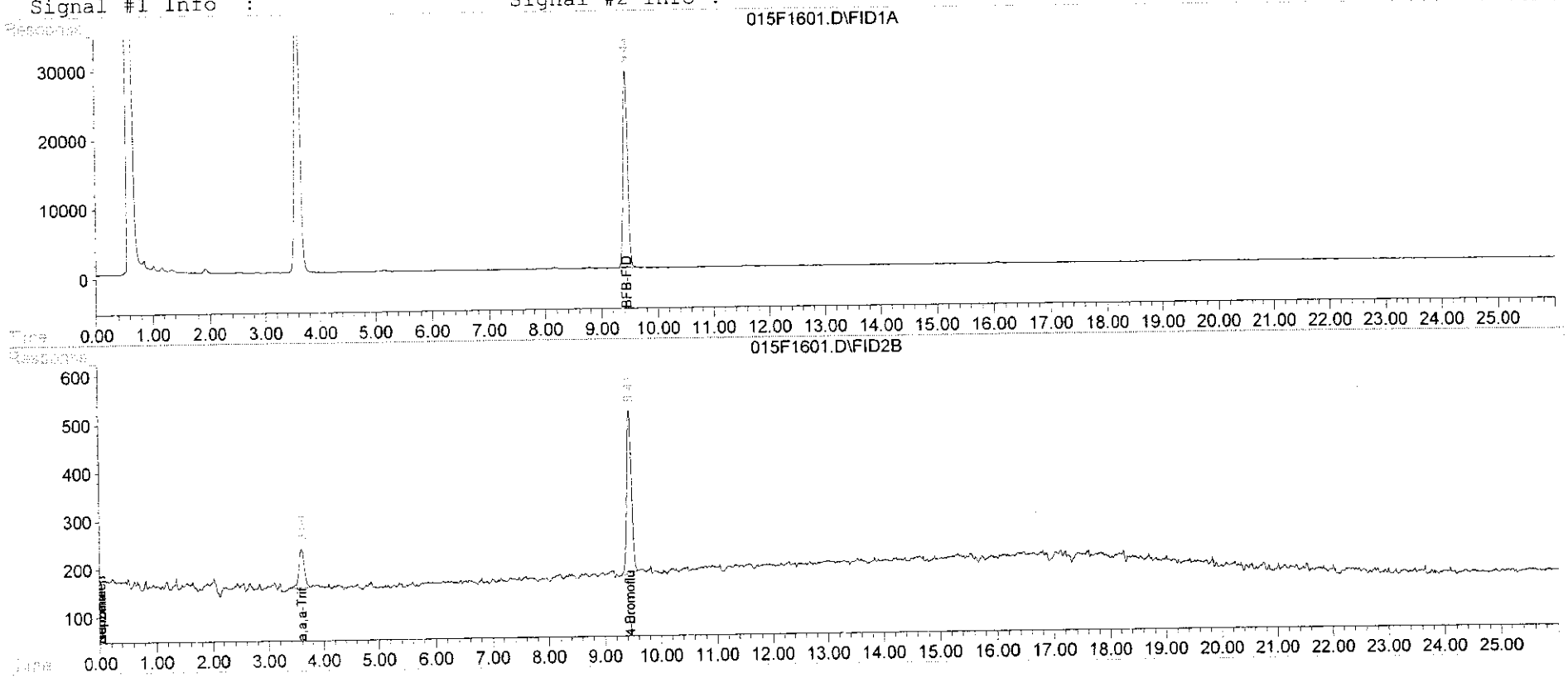
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5656	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1581261	101.244 ug/L
Spiked Amount 100.000		Recovery =	101.24%
S 4-Bromofluorobenzene	9.44	19249	97.103 ug/L
Spiked Amount 100.000		Recovery =	97.10%
Target Compounds			
1) H T M Gasoline	8.00	2970650	N.D. ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	1.472 ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\015F160 \FID1A.CH Vial: 15
Acq On : 23-Jul-2005, 00:07:35 Operator: RG
Sample : 1740-0913,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\015F1601.D\FID2B.CH Vial: 15
Acq On : 23-Jul-05, 00:07:35 Operator: RG
Sample : 1740-0913,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:29 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\016F1701.D\FID1A.CH Vial: 16
Acq On : 23-Jul-2005, 00:39:48 Operator: RG
Sample : 1740-0914,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\016F1701.D\FID2B.CH Vial: 16
Acq On : 23-Jul-05, 00:39:48 Operator: RG
Sample : 1740-0914,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:30 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info : RR 20x G

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5127	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1526462	97.726 ug/L
iked Amount 100.000		Recovery =	97.73%
, S 4-Bromofluorobenzene	9.45	20207	112.463 ug/L
Spiked Amount 100.000		Recovery =	112.46%
Target Compounds			
1) H T M Gasoline	8.00	501615530	20972.420 ug/L —— OR
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	1.472 ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L d
12) T 1,3,5-Trimethylbenzene	10.90	5233	12.148 ug/L
13) T 1,2,4-Trimethylbenzene	11.36	2589	7.111 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

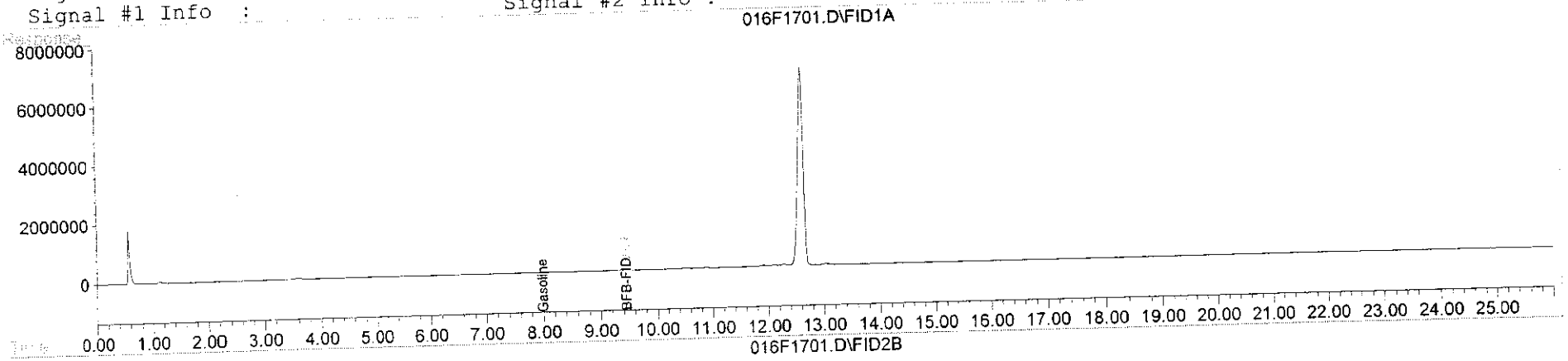
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\016F170_ \FID1A.CH Vial: 16
Acq On : 23-Jul-2005, 00:39:48 Operator: RG
Sample : 1740-0914,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

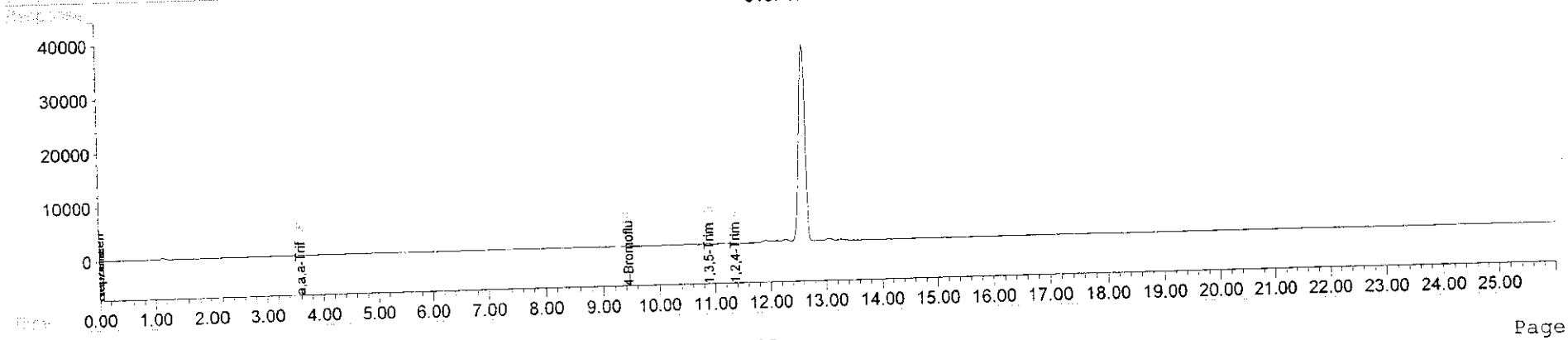
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\016F1701.D\FID2B.CH Vial: 16
Acq On : 23-Jul-05, 00:39:48 Operator: RG
Sample : 1740-0914,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:30 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\017F1801.D\FID1A.CH Vial: 17
Acq On : 23-Jul-2005, 01:12:07 Operator: RG
Sample : 1740-0915,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\017F1801.D\FID2B.CH Vial: 17
Acq On : 23-Jul-05, 01:12:07 Operator: RG
Sample : 1740-0915,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:34 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info : RR 10X G

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5269	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1593047	102.000 ug/L
Spiked Amount 100.000		Recovery =	102.00%
S 4-Bromofluorobenzene	9.44	18375	99.513 ug/L
Spiked Amount 100.000		Recovery =	99.51%
Target Compounds			
1) H T M Gasoline	8.00	188949095	7814.932 ug/L — OR
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L d
12) T 1,3,5-Trimethylbenzene	10.86	426	0.963 ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	16.04	885	8.661 ug/L

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

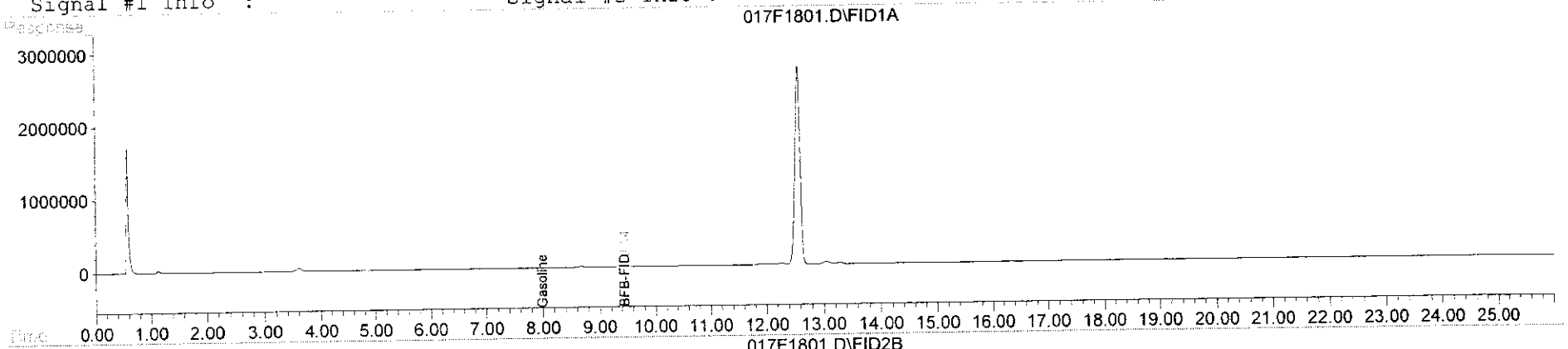
Quant Report

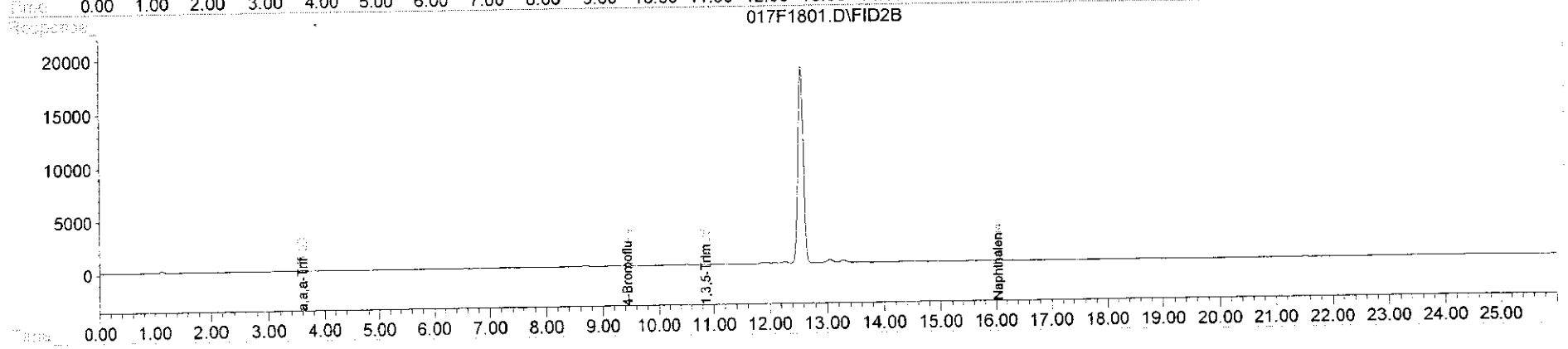
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\017F180 \FID1A.CH Vial: 17
Acq On : 23-Jul-2005, 01:12:07 Operator: RG
Sample : 1740-0915,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\017F1801.D\FID2B.CH Vial: 17
Acq On : 23-Jul-05, 01:12:07 Operator: RG
Sample : 1740-0915,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:34 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\018F1901.D\FID1A.CH Vial: 18
Acq On : 23-Jul-2005, 01:44:17 Operator: RG
Sample : 1740-0916,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\018F1901.D\FID2B.CH Vial: 18
Acq On : 23-Jul-05, 01:44:17 Operator: RG
Sample : 1740-0916,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:35 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

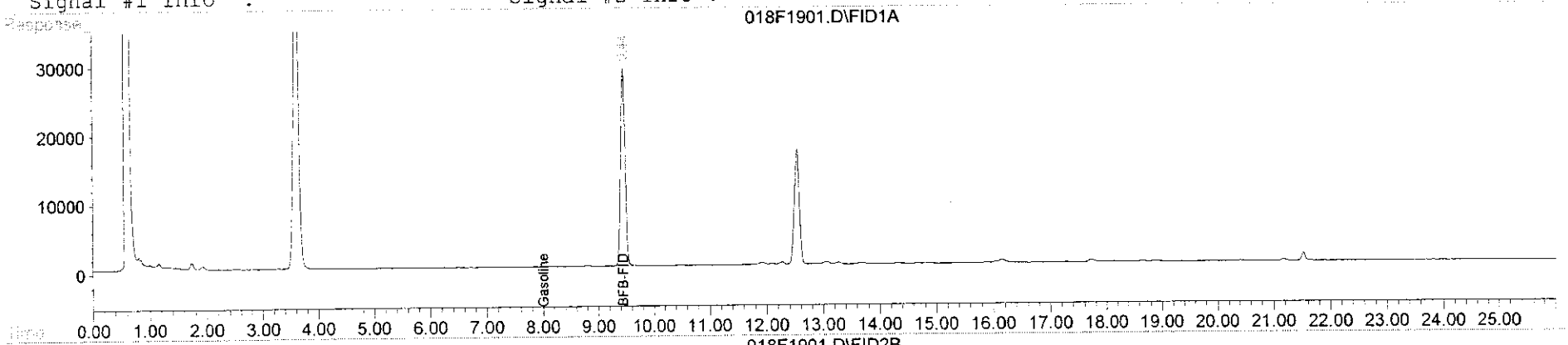
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5172	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1583059	101.359 ug/L
Spiked Amount 100.000		Recovery =	101.36%
S 4-Bromofluorobenzene	9.45	19638	108.343 ug/L
Spiked Amount 100.000		Recovery =	108.34%
Target Compounds			
1) H T M Gasoline	8.00	4138087	37.799 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	1.472 ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

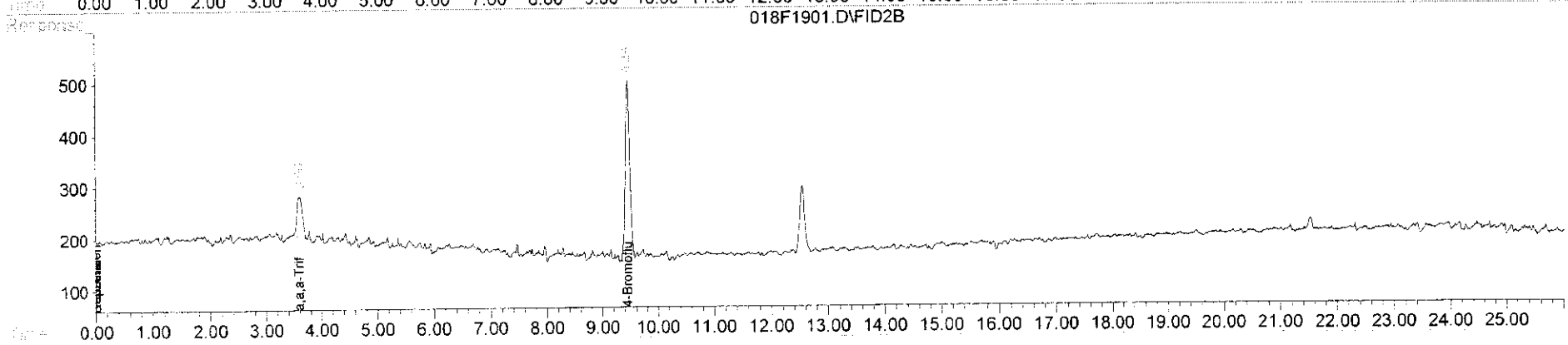
Data Fi. : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\018F19 D\FID1A.CH Vial: 18
Acq On : 23-Jul-2005, 01:44:17 Operator: RG
Sample : 1740-0916,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\018F1901.D\FID2B.CH Vial: 18
Acq On : 23-Jul-05, 01:44:17 Operator: RG
Sample : 1740-0916,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:35 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\019F2001.D\FID1A.CH Vial: 19
Acq On : 23-Jul-2005, 02:16:32 Operator: RG
Sample : 1740-0917,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\019F2001.D\FID2B.CH Vial: 19
Acq On : 23-Jul-05, 02:16:32 Operator: RG
Sample : 1740-0917,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5539	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1596999	102.254 ug/L
Spiked Amount 100.000		Recovery =	102.25%
) S 4-Bromofluorobenzene	9.45	18502	95.304 ug/L
Spiked Amount 100.000		Recovery =	95.30%
Target Compounds			
1) H T M Gasoline	8.00	3673973	18.268 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

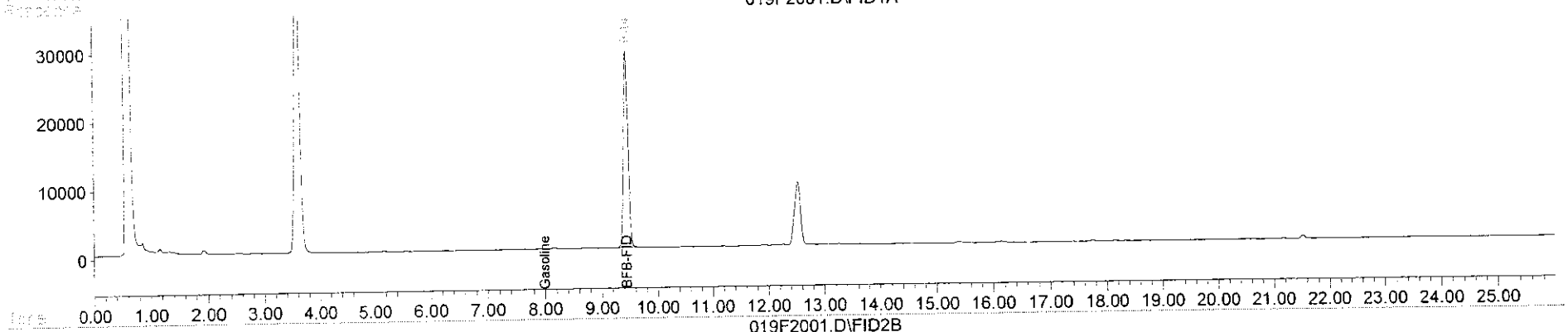
Data Fil : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\019F20)\FID1A.CH Vial: 19
Acq On : 23-Jul-2005, 02:16:32 Operator: RG
Sample : 1740-0917,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\019F2001.D\FID2B.CH Vial: 19
Acq On : 23-Jul-05, 02:16:32 Operator: RG
Sample : 1740-0917,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

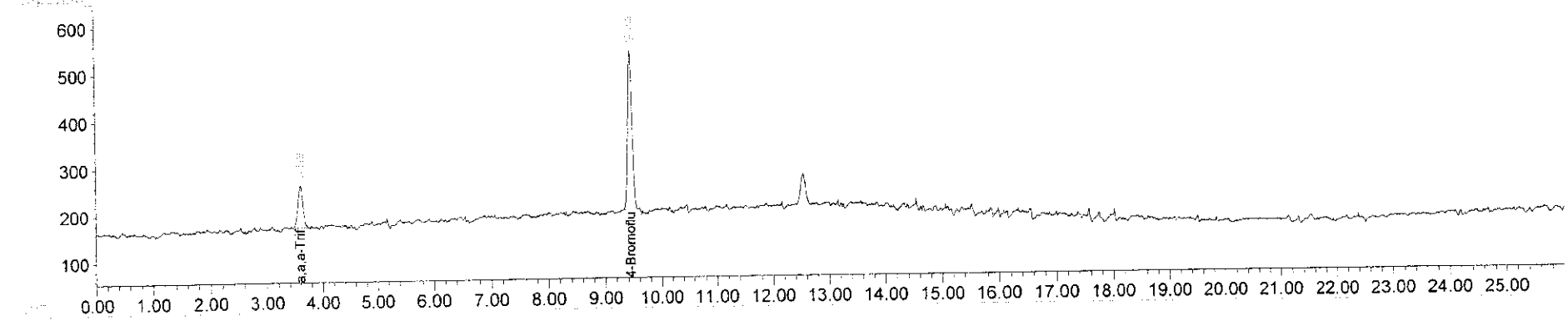
Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

019F2001.D\FID1A



019F2001.D\FID2B



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\020F2101.D\FID1A.CH Vial: 20
Acq On : 23-Jul-2005, 02:48:48 Operator: RG
Sample : 1740-0918,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\020F2101.D\FID2B.CH Vial: 20
Acq On : 23-Jul-05, 02:48:48 Operator: RG
Sample : 1740-0918,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

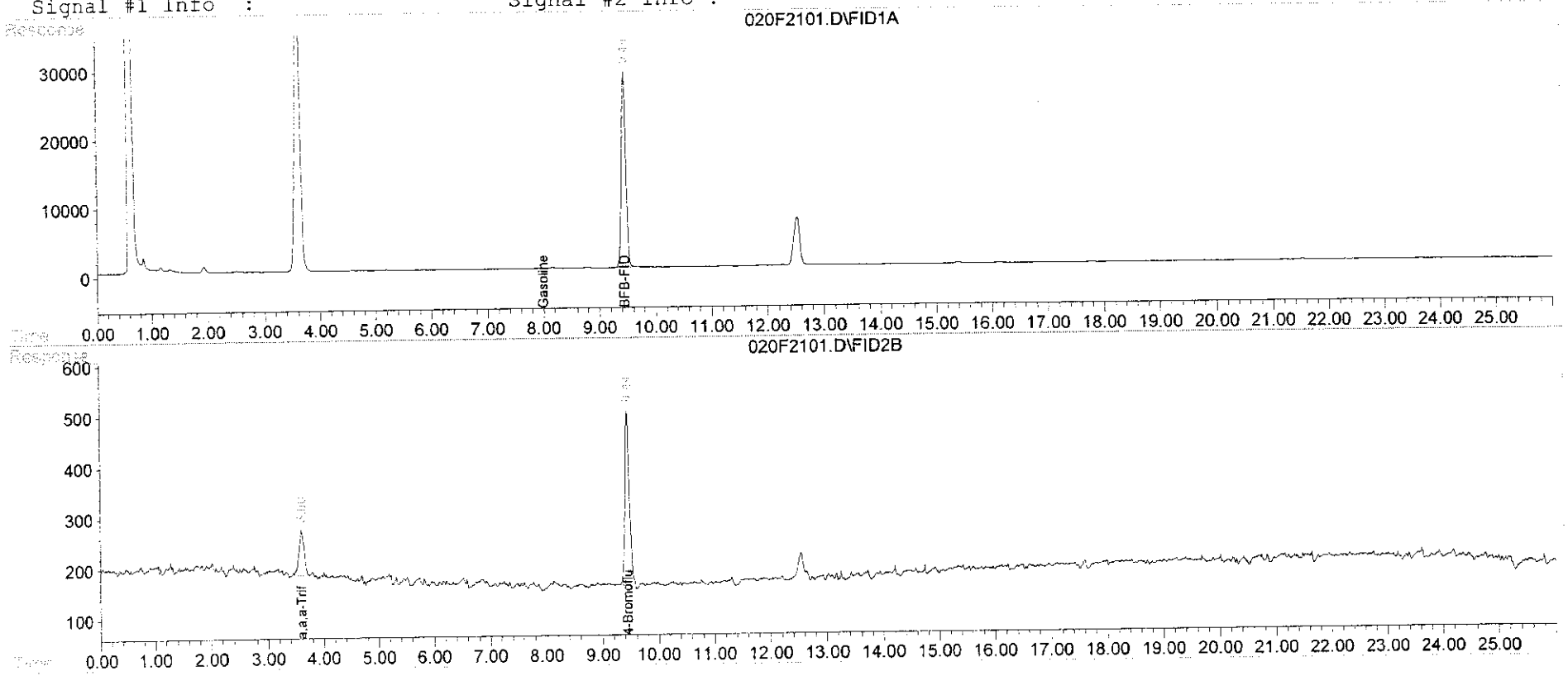
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5708	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1587236	101.627 ug/L
Spiked Amount 100.000		Recovery =	101.63%
) S 4-Bromofluorobenzene	9.45	19642	98.182 ug/L
Spiked Amount 100.000		Recovery =	98.18%
Target Compounds			
1) H T M Gasoline	8.00	3485825	10.350 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Data Fil O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\020F21)\FID1A.CH Vial: 20
Acq On : 23-Jul-2005, 02:48:48 Operator: RG
Sample : 1740-0918,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\020F2101.D\FID2B.CH Vial: 20
Acq On : 23-Jul-05, 02:48:48 Operator: RG
Sample : 1740-0918,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\021F2201.D\FID1A.CH Vial: 21
Acq On : 23-Jul-2005, 03:20:23 Operator: RG
Sample : 1740-0919,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\021F2201.D\FID2B.CH Vial: 21
Acq On : 23-Jul-05, 03:20:23 Operator: RG
Sample : 1740-0919,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

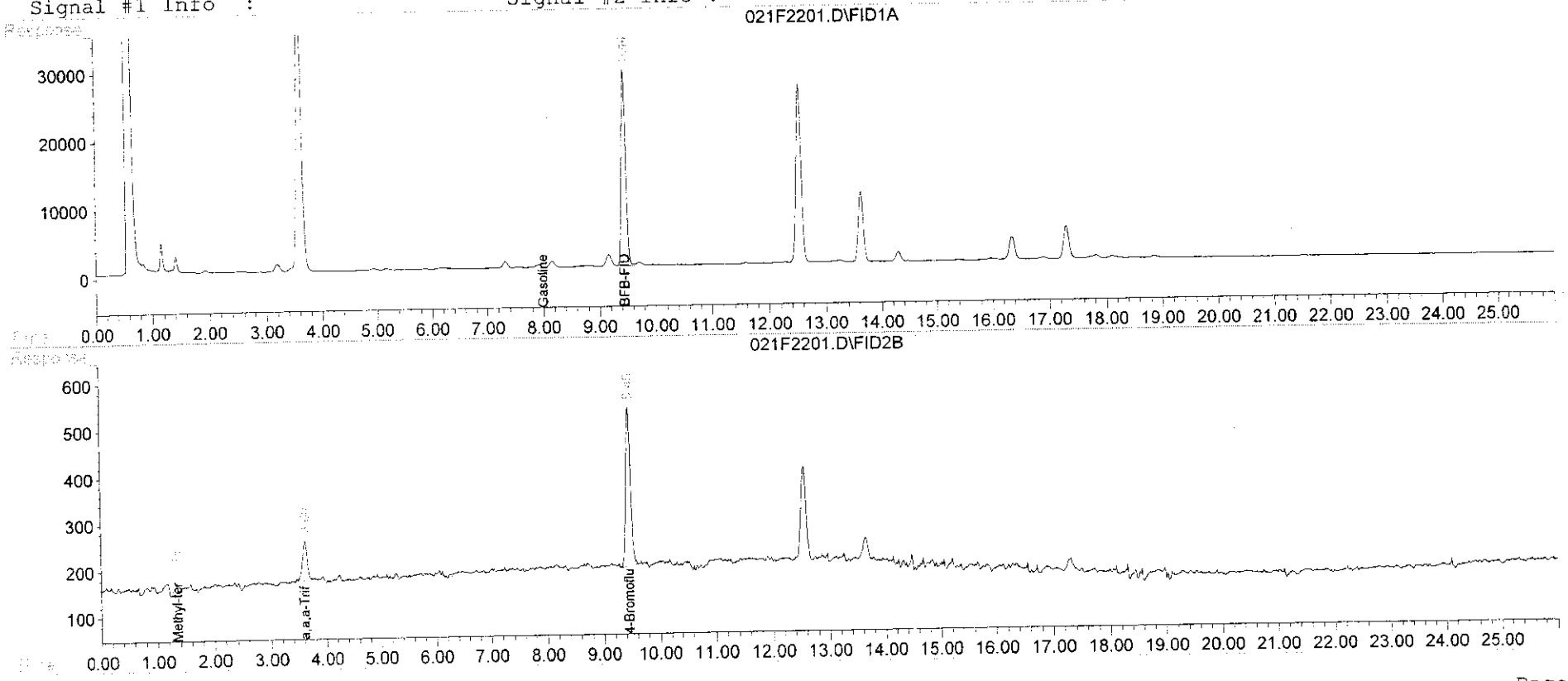
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5149	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1597420	102.281 ug/L
Spiked Amount 100.000		Recovery =	102.28%
S 4-Bromofluorobenzene	9.45	19243	106.635 ug/L
Spiked Amount 100.000		Recovery =	106.64%
Target Compounds			
1) H T M Gasoline	8.00	5880462	111.120 ug/L
5) T Methyl-tert-butyl ether	1.34	758	17.886 ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\021F2201.D\FID1A.CH Vial: 21
Acq On : 23-Jul-2005, 03:20:23 Operator: RG
Sample : 1740-0919,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\021F2201.D\FID2B.CH Vial: 21
Acq On : 23-Jul-05, 03:20:23 Operator: RG
Sample : 1740-0919,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\022F2301.D\FID1A.CH Vial: 22
Acq On : 23-Jul-2005, 03:52:42 Operator: RG
Sample : 1740-0920,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\022F2301.D\FID2B.CH Vial: 22
Acq On : 23-Jul-05, 03:52:42 Operator: RG
Sample : 1740-0920,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5067	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1588297	101.695 ug/L
Spiked Amount 100.000		Recovery =	101.70%
) S 4-Bromofluorobenzene	9.45	18480	104.068 ug/L
Spiked Amount 100.000		Recovery =	104.07%
Target Compounds			
1) H T M Gasoline	8.00	3773139	22.441 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

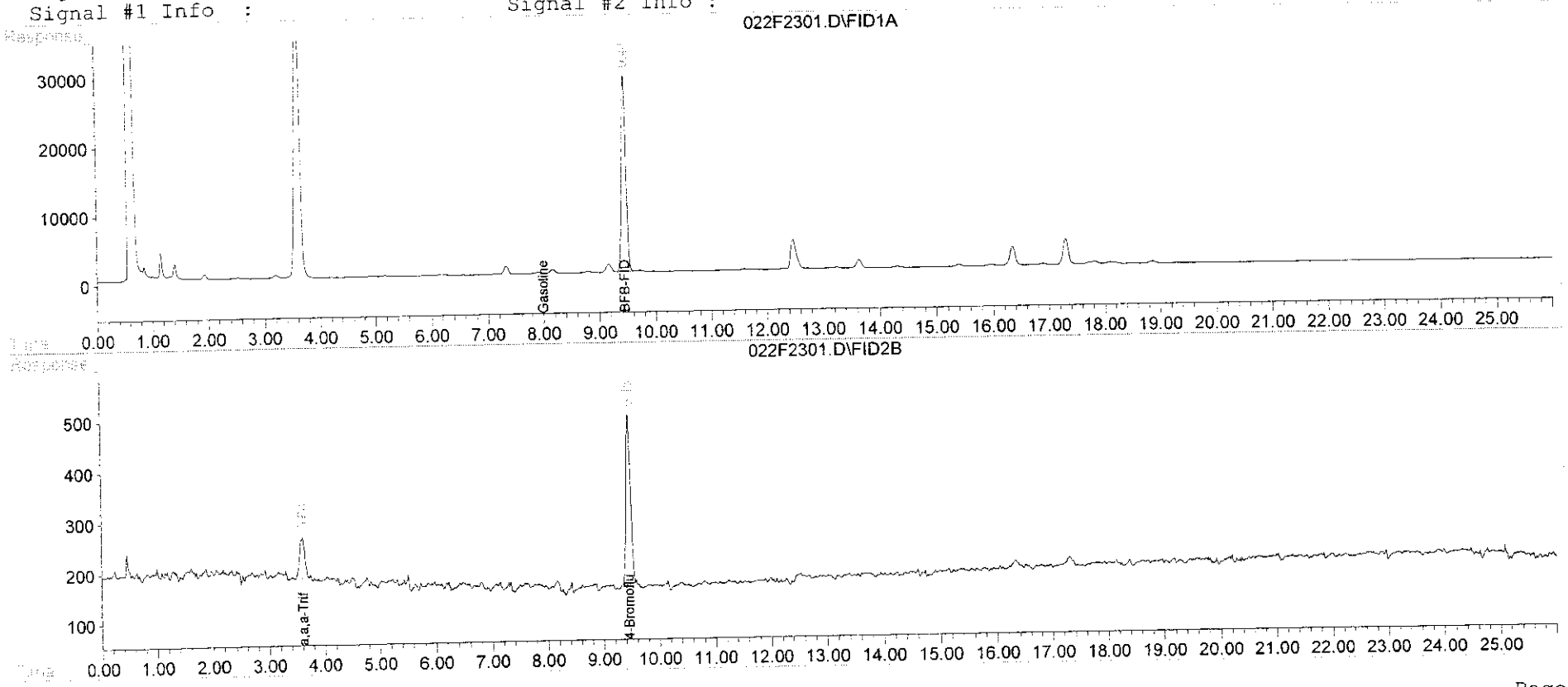
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\022F23( )\FID1A.CH Vial: 22
Acq On : 23-Jul-2005, 03:52:42 Operator: RG
Sample : 1740-0920,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\022F2301.D\FID2B.CH Vial: 22
Acq On : 23-Jul-05, 03:52:42 Operator: RG
Sample : 1740-0920,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

Signal #2 Phase:
Signal #2 Info :



022F2301.D 0617ARCH.M Tue Jul 26 09:53:36 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\023F2401.D\FID1A.CH Vial: 23
Acq On : 23-Jul-2005, 04:24:51 Operator: RG
Sample : 1740-0921,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\023F2401.D\FID2B.CH Vial: 23
Acq On : 23-Jul-05, 04:24:51 Operator: RG
Sample : 1740-0921,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:38 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	4773	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1597303	102.274 ug/L
Spiked Amount 100.000		Recovery	= 102.27%
S 4-Bromofluorobenzene	9.45	19127	114.353 ug/L
Spiked Amount 100.000		Recovery	= 114.35%
Target Compounds			
1) H T M Gasoline	8.00	3640162	16.845 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	1.472 ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	16.36f	2897	21.125 ug/L

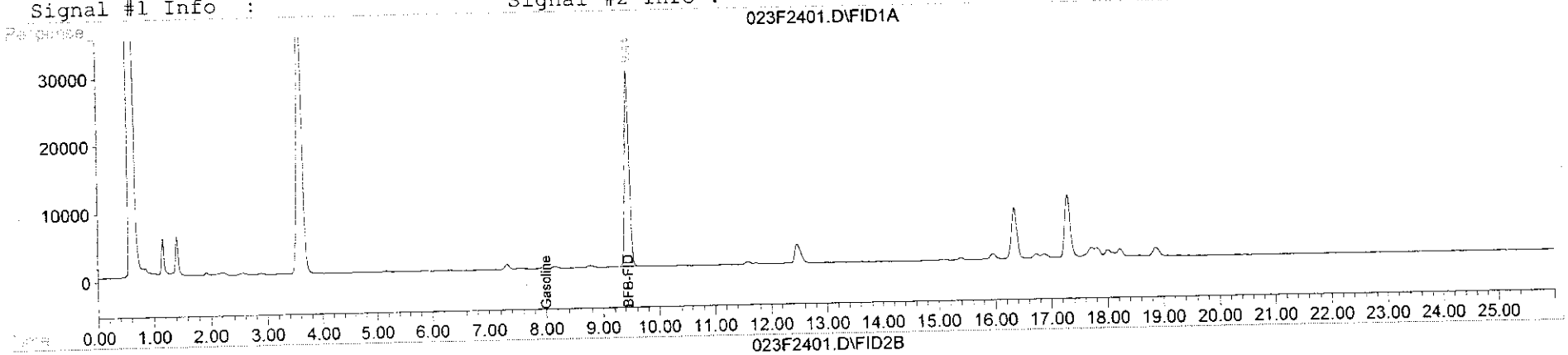
(f)=RT Delta > 1/2 Window (m)=manual int.

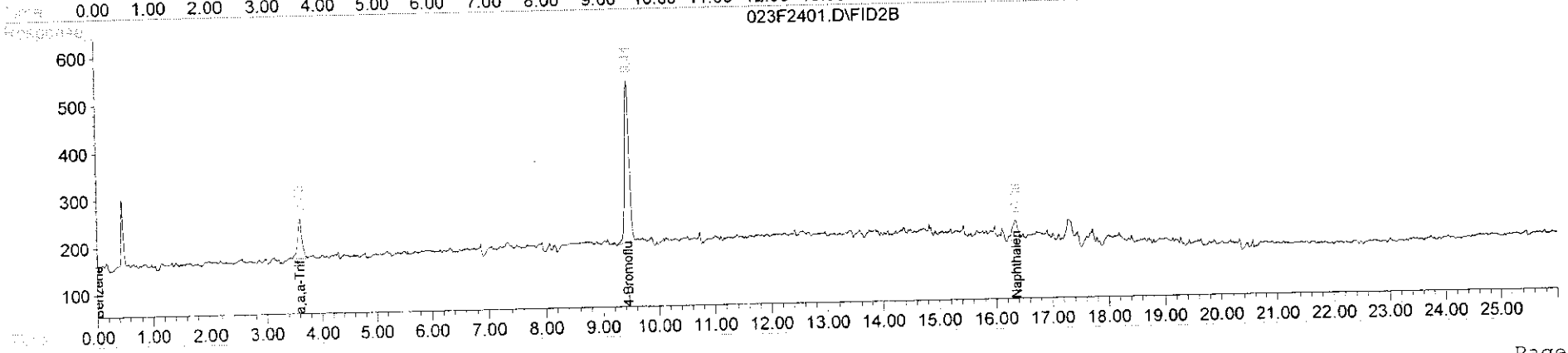
Data Fil O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\023F24' D\FID1A.CH Vial: 23
Acq On : 23-Jul-2005, 04:24:51 Operator: RG
Sample : 1740-0921,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\023F2401.D\FID2B.CH Vial: 23
Acq On : 23-Jul-05, 04:24:51 Operator: RG
Sample : 1740-0921,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:38 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





023F2401.D 0617ARCH.M Tue Jul 26 09:53:41 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F2601.D\FID1A.CH Vial: 25
Acq On : 23-Jul-2005, 05:29:06 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F2601.D\FID2B.CH Vial: 25
Acq On : 23-Jul-05, 05:29:06 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:35 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

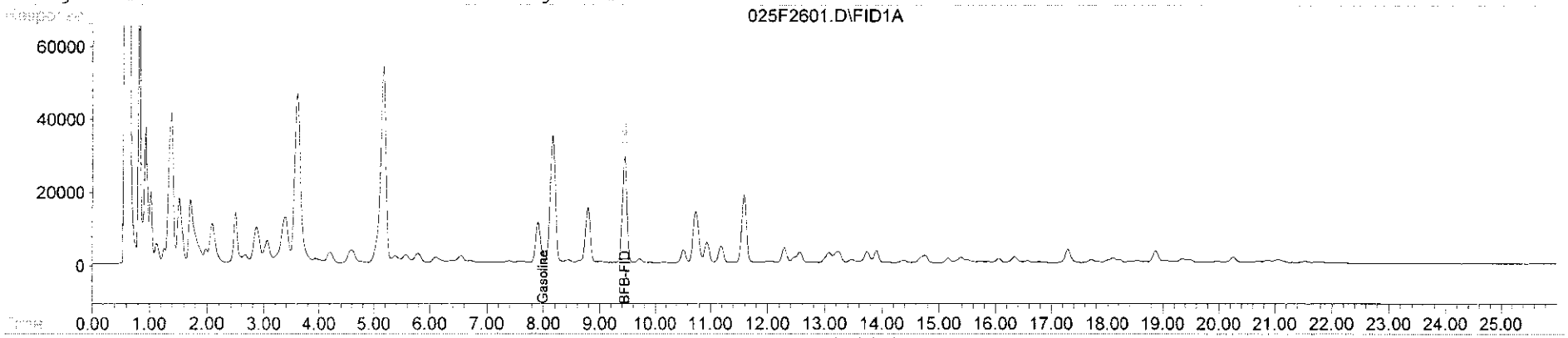
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5841	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1646460	105.429 ug/L
Spiked Amount 100.000		Recovery =	105.43%
S 4-Bromofluorobenzene	9.44	19709	96.278 ug/L
Spiked Amount 100.000		Recovery =	96.28%
Target Compounds			
1) H T M Gasoline	8.00	25808425	949.720 ug/L
5) T Methyl-tert-butyl ether	1.35	550	11.271 ug/L
6) T M Benzene	2.48	4009	18.902 ug/L
7) T M Toluene	5.17	21138	72.274 ug/L
8) T M Ethylbenzene	7.90	4948	15.481 ug/L
9) T M m,p-Xylene	8.16	23305	60.824 ug/L
10) T M o-Xylene	8.79	8209	26.041 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	5888	11.995 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13616	36.924 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

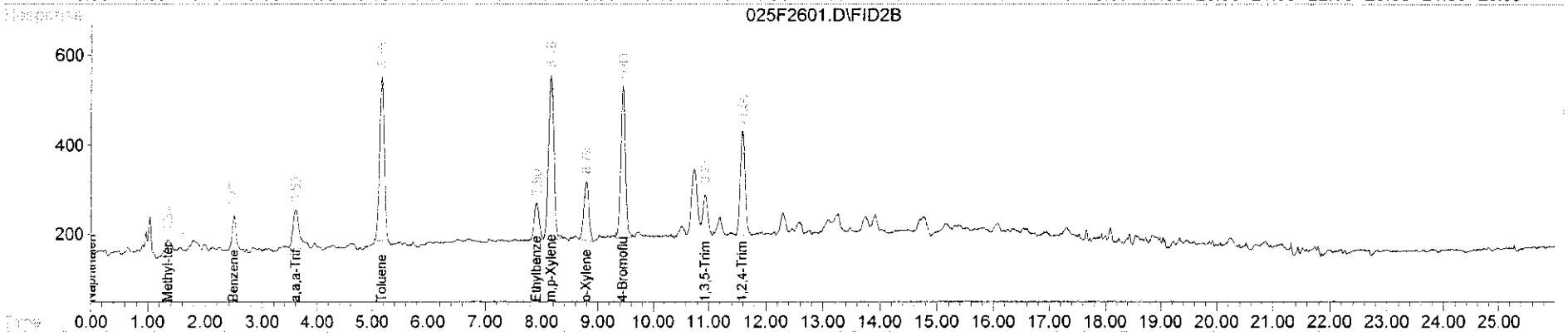
Data F: : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F2 .D\FID1A.CH Vial: 25
Acq On : 23-Jul-2005, 05:29:06 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F2601.D\FID2B.CH Vial: 25
Acq On : 23-Jul-05, 05:29:06 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:35 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F2701.D\FID1A.CH Vial: 26
Acq On : 23-Jul-2005, 06:01:12 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F2701.D\FID2B.CH Vial: 26
Acq On : 23-Jul-05, 06:01:12 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:36 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

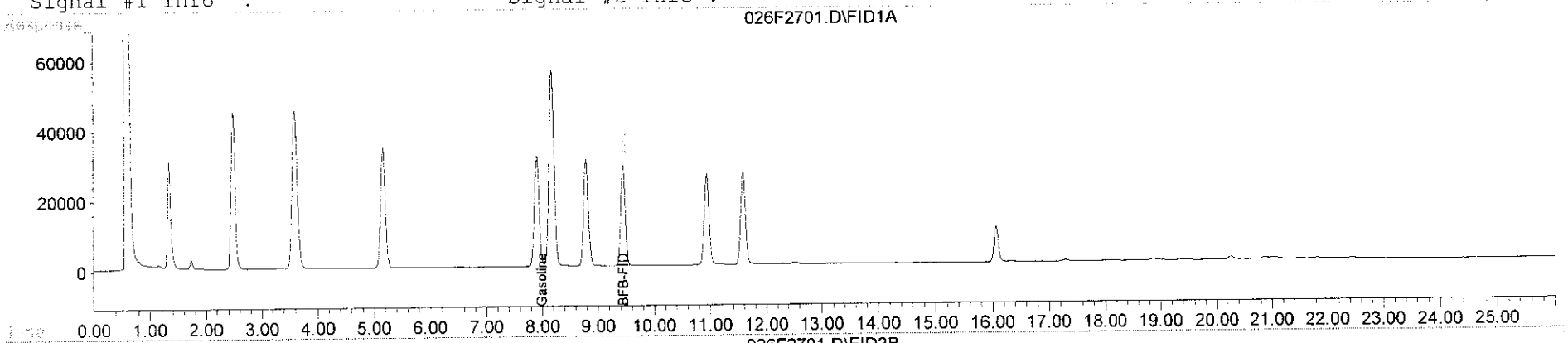
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5457	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1583280	101.373 ug/L
Spiked Amount 100.000		Recovery =	101.37%
3) S 4-Bromofluorobenzene	9.44	18400	96.202 ug/L
Spiked Amount 100.000		Recovery =	96.20%
Target Compounds			
1) H T M Gasoline	8.00	19309102	676.218 ug/L
5) T Methyl-tert-butyl ether	1.35	2735	62.101 ug/L
6) T M Benzene	2.49	11726	56.037 ug/L
7) T M Toluene	5.17	14970	54.543 ug/L
8) T M Ethylbenzene	7.91	15286	56.907 ug/L
9) T M m,p-Xylene	8.17	37990	108.037 ug/L
10) T M o-Xylene	8.79	15842	54.800 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	25190	54.929 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	19214	56.350 ug/L
14) T Naphthalene	16.07	9166	51.576 ug/L

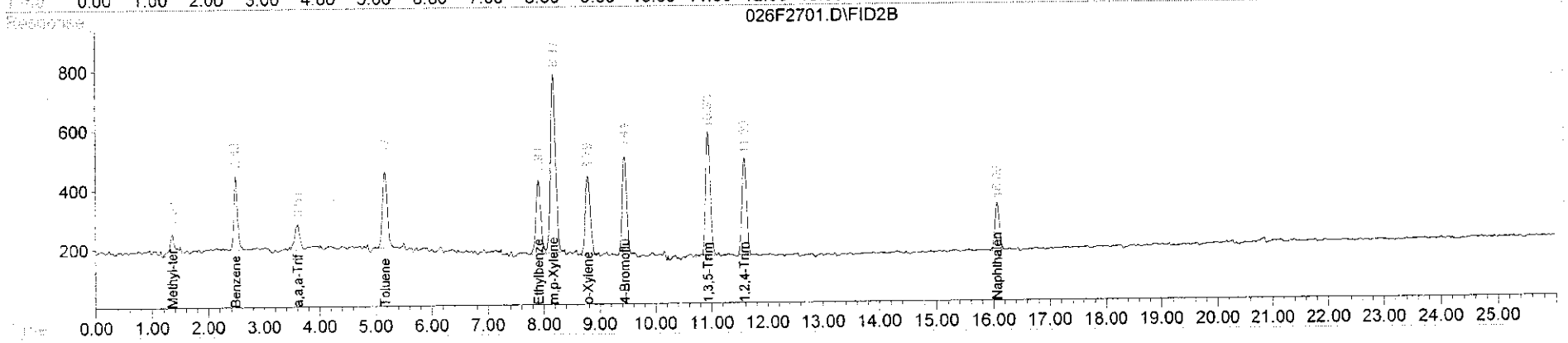
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F27 D\FID1A.CH Vial: 26
Acq On : 23-Jul-2005, 06:01:12 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F2701.D\FID2B.CH Vial: 26
Acq On : 23-Jul-05, 06:01:12 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:36 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\027F2801.D\FID1A.CH Vial: 27
Acq On : 23-Jul-2005, 06:33:35 Operator: RG
Sample : 1740-0923,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\027F2801.D\FID2B.CH Vial: 27
Acq On : 23-Jul-05, 06:33:35 Operator: RG
Sample : 1740-0923,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5152	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1605604	102.806 ug/L
Spiked Amount 100.000		Recovery	= 102.81%
S 4-Bromofluorobenzene	9.44	19234	106.518 ug/L
Spiked Amount 100.000		Recovery	= 106.52%
Target Compounds			
1) H T M Gasoline	8.00	3823850	24.575 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\027F28( )\FID1A.CH Vial: 27
Acq On : 23-Jul-2005, 06:33:35 Operator: RG
Sample : 1740-0923,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

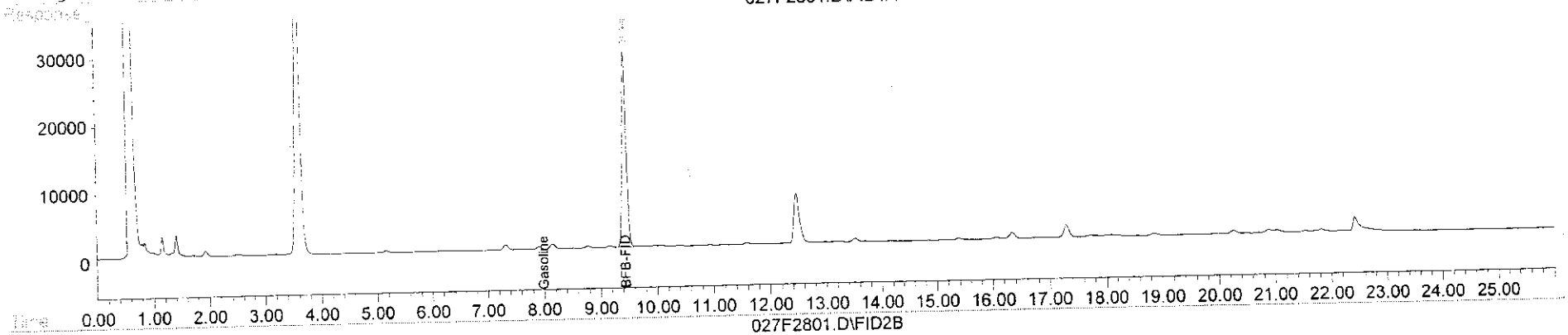
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\027F2801.D\FID2B.CH Vial: 27
Acq On : 23-Jul-05, 06:33:35 Operator: RG
Sample : 1740-0923,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:24 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

Signal #2 Phase:
Signal #2 Info :

027F2801.D\FID1A



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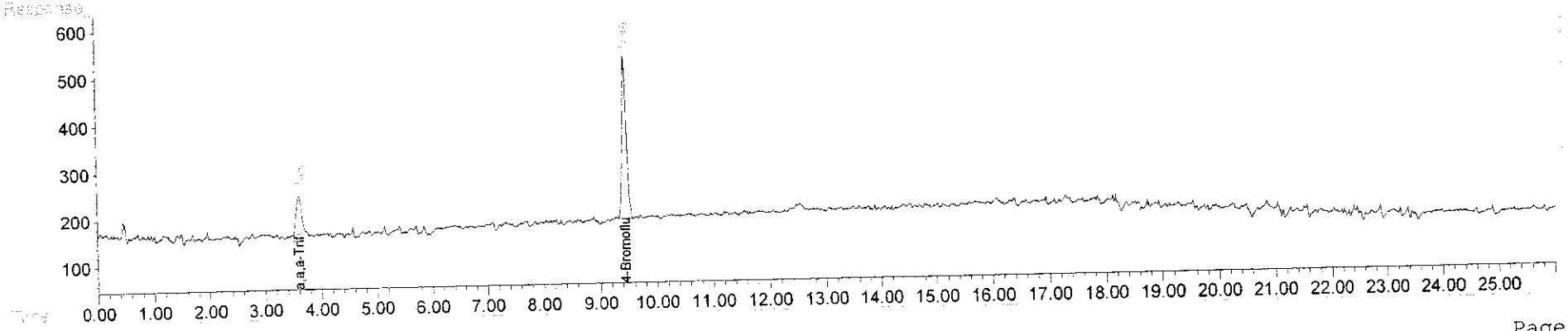


027F2801.D 0617ARCH.M Tue Jul 26 09:53:55 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3801.D\FID1A.CH Vial: 37
Acq On : 23-Jul-2005, 11:54:31 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3801.D\FID2B.CH Vial: 37
Acq On : 23-Jul-05, 11:54:31 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:37 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5727	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1639492	104.982 ug/L
Spiked Amount 100.000		Recovery =	104.98%
) S 4-Bromofluorobenzene	9.45	18742	93.376 ug/L
Spiked Amount 100.000		Recovery =	93.38%
Target Compounds			
1) H T M Gasoline	8.00	24994012	915.448 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	3692	17.843 ug/L
7) T M Toluene	5.16	21833	76.189 ug/L
8) T M Ethylbenzene	7.89	4509	14.214 ug/L
9) T M m,p-Xylene	8.16	22203	59.032 ug/L
10) T M o-Xylene	8.79	7131	22.963 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	5345	11.107 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	12428	34.296 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

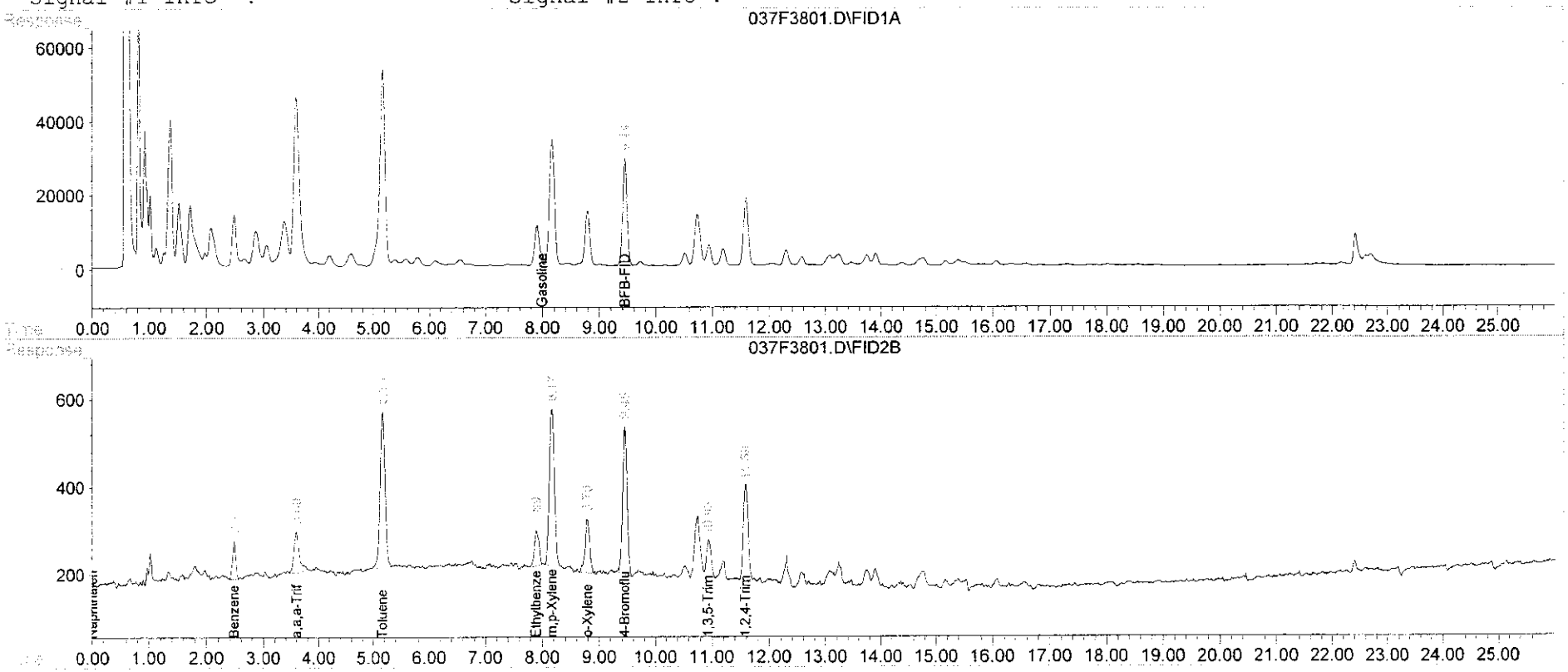
Quantitation Report

Data F : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3 .D\FID1A.CH Vial: 37
Acq On : 23-Jul-2005, 11:54:31 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3801.D\FID2B.CH Vial: 37
Acq On : 23-Jul-05, 11:54:31 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:37 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F3901.D\FID1A.CH Vial: 38
Acq On : 23-Jul-2005, 12:27:01 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F3901.D\FID2B.CH Vial: 38
Acq On : 23-Jul-05, 12:27:01 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:38 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5619	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1587824	101.665 ug/L
Spiked Amount 100.000	Recovery	=	101.67%
) S 4-Bromofluorobenzene	9.45	20031	101.717 ug/L
Spiked Amount 100.000	Recovery	=	101.72%
Target Compounds			
1) H T M Gasoline	8.00	19478292	683.338 ug/L
5) T Methyl-tert-butyl ether	1.35	2508	55.255 ug/L
6) T M Benzene	2.49	12298	57.051 ug/L
7) T M Toluene	5.17	14543	51.406 ug/L
8) T M Ethylbenzene	7.91	14640	52.762 ug/L
9) T M m,p-Xylene	8.17	38860	107.312 ug/L
10) T M o-Xylene	8.79	15105	50.675 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	25031	53.010 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	19936	56.794 ug/L
14) T Naphthalene	16.07	9996	54.399 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.
038F3901.D 0617ARCH.M Tue Jul 26 09:54:04 2005 VOA

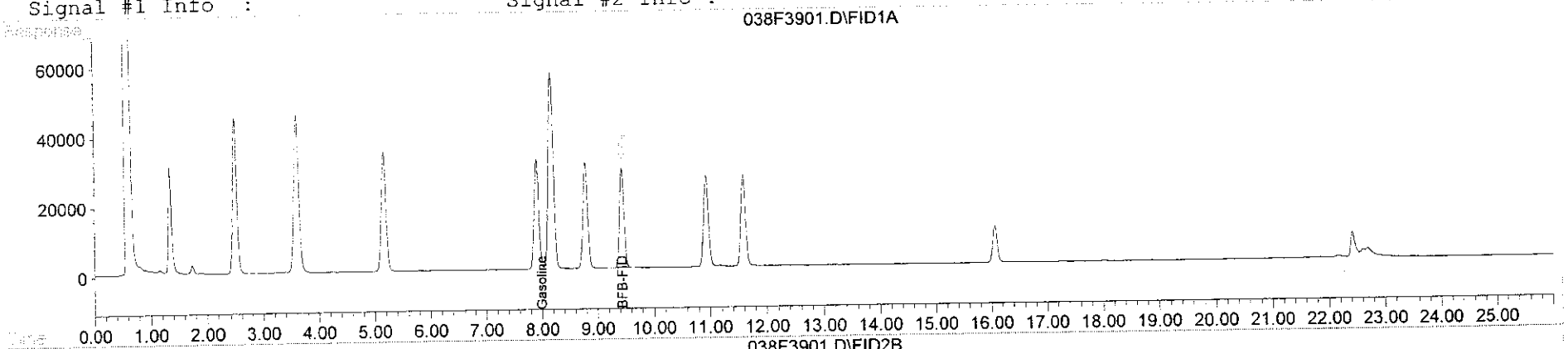
Quantitation Report

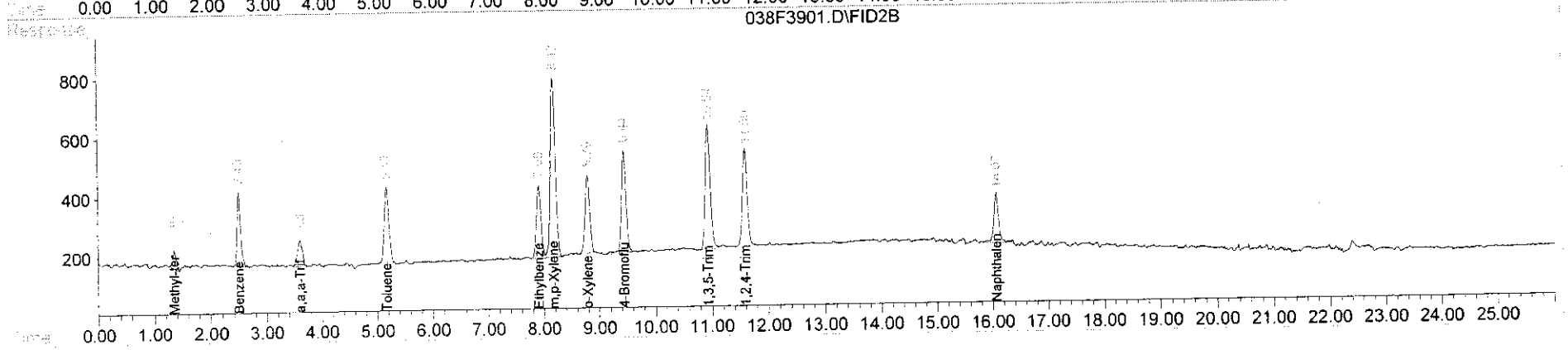
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F39 D\FID1A.CH Vial: 38
Acq On : 23-Jul-2005, 12:27:01 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F3901.D\FID2B.CH Vial: 38
Acq On : 23-Jul-05, 12:27:01 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:38 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Spike ID's:

Surrogate	s:	CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-360	bcc1	GC-S-1-358	is1	GC-S-1-359	m1	GC-1-111D	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	n/a	gcc1	GC-S-1-361	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	n/a	is4	n/a	m4	n/a	ms4	n/a

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
1	n/a	Instrument BL	n/a	n/a	001F0101	Water	5mL	1	7/25/05 9:20	**Run# 4055**
2	n/a	GRO CCV	n/a	n/a	001F0201	Water	5mL	1	7/25/05 9:53	
3	n/a	BTEX CCV	n/a	n/a	002F0301	Water	5mL	1	7/25/05 10:25	
4	n/a	MB Aq	n/a	2160/2161	003F0401	Water	5mL	1	7/25/05 11:46	
5	n/a	LCS Aq	n/a	2160/2161	004F0501	Water	5mL	1	7/25/05 12:18	
6	n/a	LCSD Aq	n/a	2160/2161	005F0601	Water	5mL	1	7/25/05 12:51	
7	05-1740	0914	<2	2160/2161	006F0701	Water	0.25mL	20	7/25/05 13:23	
8	05-1740	0915	<2	2160/2161	007F0801	Water	0.5mL	10	7/25/05 13:56	
9	05-1740	0922	<2	2160/2161	008F0901	Water	0.5mL	10	7/25/05 14:28	
10	05-1740	0924	<2	2160/2161	009F1001	Water	0.25mL	20	7/25/05 15:00	
11	05-1740	0925	<2	2160/2161	010F1101	Water	0.5mL	10	7/25/05 15:33	
12	05-1740	0926	<2	2160/2161	011F1201	Water	0.5mL	10	7/25/05 16:06	
13	05-1740	0927	<2	2160/2161	012F1301	Water	0.5mL	10	7/25/05 16:38	
14	n/a	GRO CCV	n/a	n/a	013F1401	Water	5mL	1	7/25/05 17:10	
15	n/a	BTEX CCV	n/a	n/a	014F1501	Water	5mL	1	7/25/05 17:43	

Spike Recovery and RPD Summary Report - WATER

Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration

Non-Spiked Sample: 003F0401.D

	Spike Sample	Spike Duplicate Sample
File ID :	004F0501.D	005F0601.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	25-Jul-2005, 12:18:46	25-Jul-2005, 12:51:12

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1516	1631	92	99	7	20	70-130
Benzene	0.0	23	23	26	102	112	10	20	70-130
Toluene	0.0	123	116	122	94	99	5	20	70-130
Ethylbenzene	0.0	29	23	26	77	89	14	20	70-130
m,p-Xylene	0.0	103	93	99	91	97	6	20	70-130
o-Xylene	0.0	42	42	39	101	93	8	20	70-130

- Fails Limit Check

0617ARCH.M Tue Jul 26 08:17:32 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\001F0201.D\FID1A.CH Vial: 1
Acq On : 25-Jul-2005, 09:53:02 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\001F0201.D\FID2B.CH Vial: 1
Acq On : 25-Jul-05, 09:53:02 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 12:13 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	4964	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1665094	106.625 ug/L
Spiked Amount 100.000		Recovery =	106.63%
S 4-Bromofluorobenzene	9.44	18929	108.805 ug/L
Spiked Amount 100.000		Recovery =	108.81%
Target Compounds			
1) H T M Gasoline	8.00	25130373	921.186 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	3512	19.436 ug/L
7) T M Toluene	5.16	21224	85.569 ug/L
8) T M Ethylbenzene	7.90	4370	16.184 ug/L
9) T M m,p-Xylene	8.16	21920	67.590 ug/L
10) T M o-Xylene	8.79	7077	26.431 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	4666	11.185 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	12935	41.410 ug/L
14) T Naphthalene	16.08	1977	15.200 ug/L

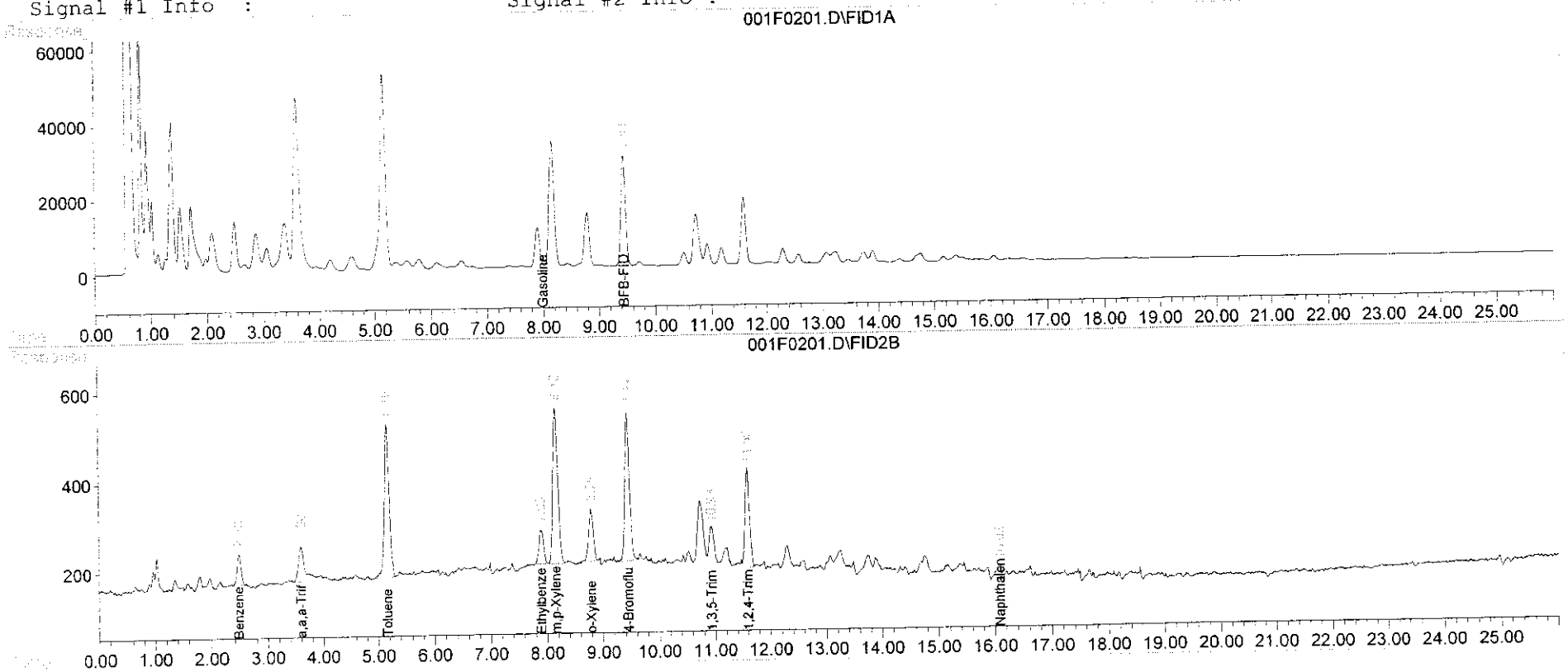
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\001F02 D\FID1A.CH Vial: 1
Acq On : 25-Jul-2005, 09:53:02 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\001F0201.D\FID2B.CH Vial: 1
Acq On : 25-Jul-05, 09:53:02 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 12:13 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

Signal #2 Phase:
Signal #2 Info :



001F0201.D 0617ARCH.M Tue Jul 26 09:45:42 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0301.D\FID1A.CH Vial: 2
Acq On : 25-Jul-2005, 10:25:49 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0301.D\FID2B.CH Vial: 2
Acq On : 25-Jul-05, 10:25:49 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 12:14 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5513	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1594411	102.088 ug/L
Spiked Amount 100.000		Recovery =	102.09%
11) S 4-Bromofluorobenzene	9.44	18158	93.979 ug/L
Spiked Amount 100.000		Recovery =	93.98%
Target Compounds			
1) H T M Gasoline	8.00	19006508	663.485 ug/L
5) T Methyl-tert-butyl ether	1.35	2406	54.016 ug/L
6) T M Benzene	2.49	11000	52.143 ug/L
7) T M Toluene	5.17	14153	50.982 ug/L
8) T M Ethylbenzene	7.90	13628	49.932 ug/L
9) T M m,p-Xylene	8.17	36949	103.920 ug/L
10) T M o-Xylene	8.79	15586	53.344 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	25697	55.469 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	18922	54.904 ug/L
14) T Naphthalene	16.07	9022	50.355 ug/L

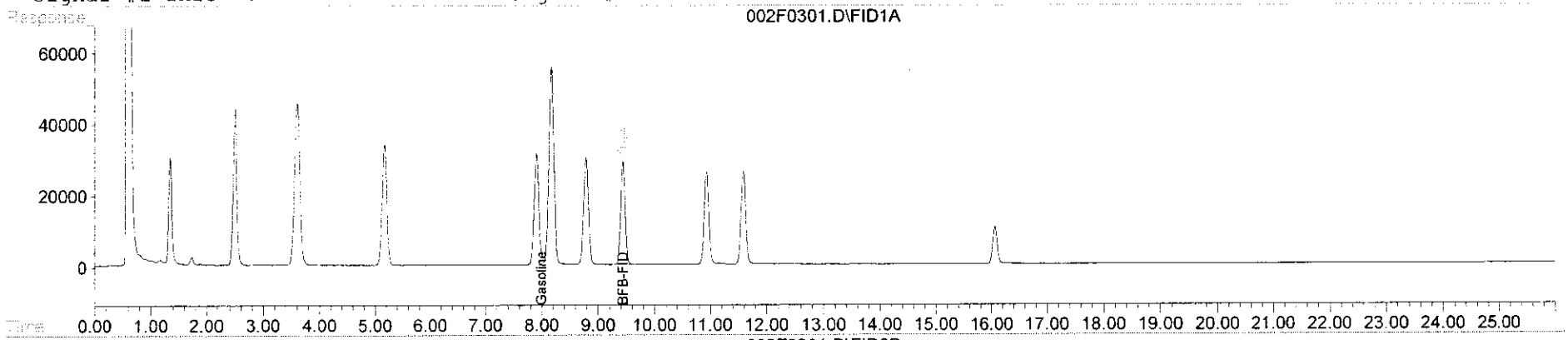
(f)=RT Delta > 1/2 Window (m)=manual int.

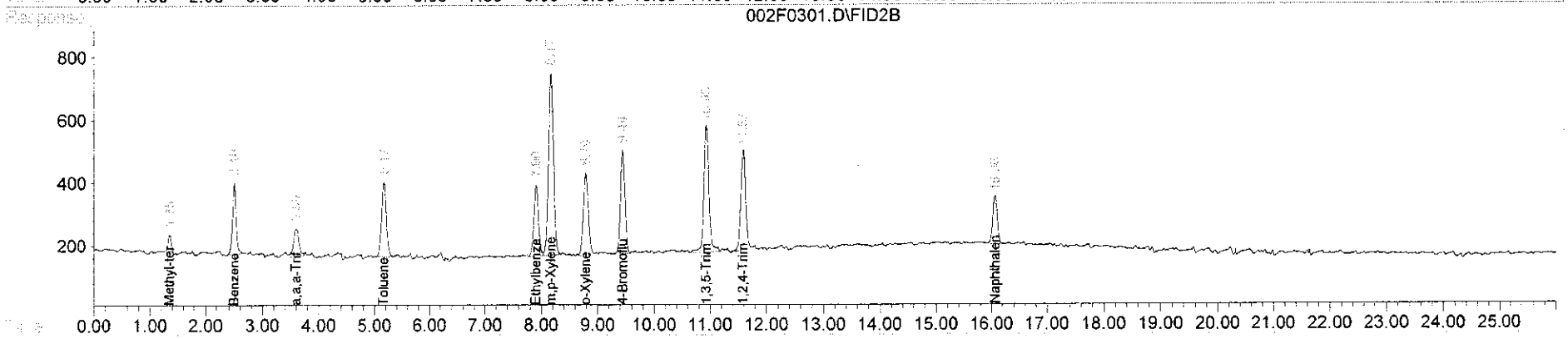
Data F : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0: D\FID1A.CH Vial: 2
Acq On : 25-Jul-2005, 10:25:49 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0301.D\FID2B.CH Vial: 2
Acq On : 25-Jul-05, 10:25:49 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 12:14 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\003F0401.D\FID1A.CH Vial: 3
Acq On : 25-Jul-2005, 11:46:39 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\003F0401.D\FID2B.CH Vial: 3
Acq On : 25-Jul-05, 11:46:39 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:12 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

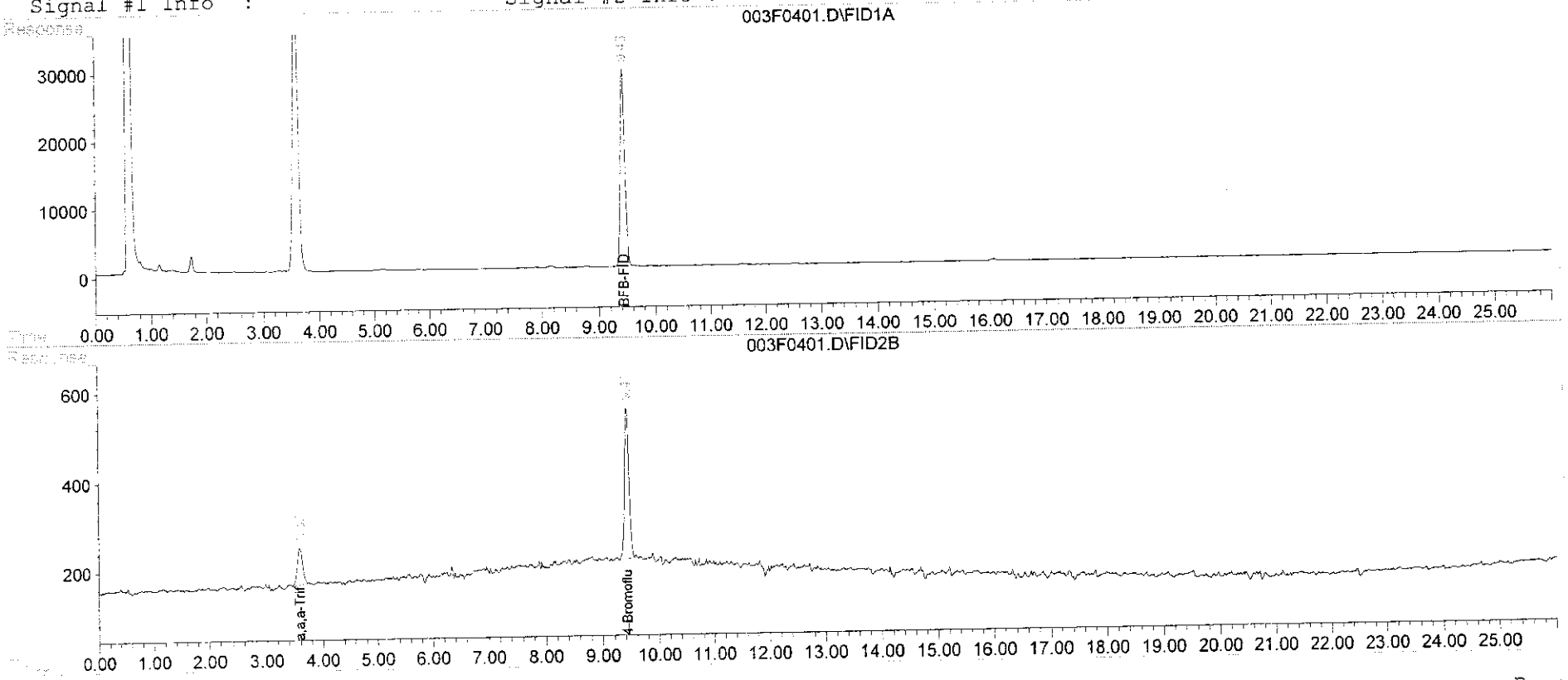
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5436	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.43	1605895	102.825 ug/L
Spiked Amount 100.000	Recovery	=	102.83%
S 4-Bromofluorobenzene	9.43	18300	96.059 ug/L
Spiked Amount 100.000	Recovery	=	96.06%
Target Compounds			
1) H T M Gasoline	8.00	3081120	N.D. ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\003F04 D\FID1A.CH Vial: 3
Acq On : 25-Jul-2005, 11:46:39 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\003F0401.D\FID2B.CH Vial: 3
Acq On : 25-Jul-05, 11:46:39 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:12 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\004F0501.D\FID1A.CH Vial: 4
Acq On : 25-Jul-2005, 12:18:46 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\004F0501.D\FID2B.CH Vial: 4
Acq On : 25-Jul-05, 12:18:46 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:17 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

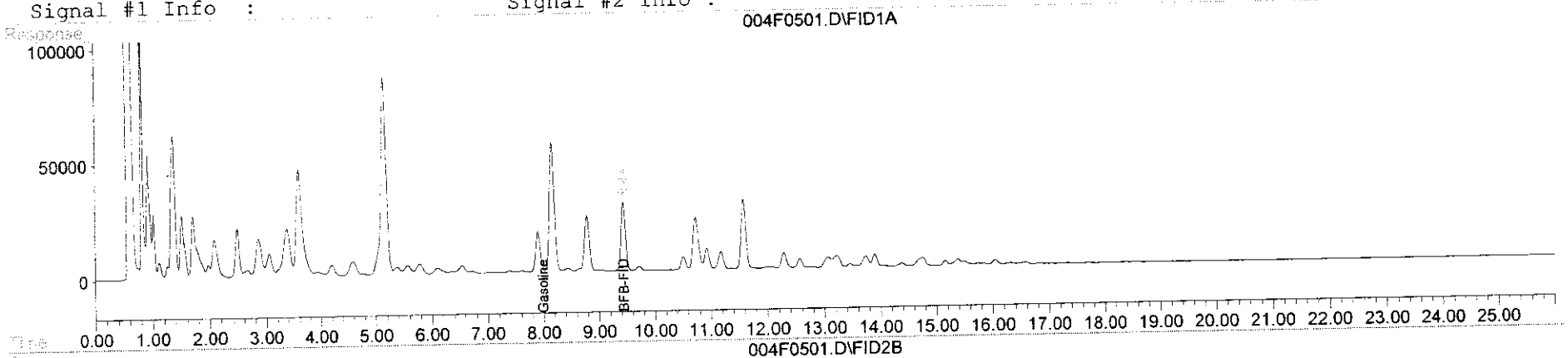
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5922	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1693030	108.419 ug/L
Spiked Amount 100.000		Recovery =	108.42%
S 4-Bromofluorobenzene	9.44	18111	87.268 ug/L
Spiked Amount 100.000		Recovery =	87.27%
Target Compounds			
1) H T M Gasoline	8.00	39259338	1515.755 ug/L
5) T Methyl-tert-butyl ether	1.36	1020	21.008 ug/L
6) T M Benzene	2.48	5053	23.143 ug/L
7) T M Toluene	5.17	34145	115.753 ug/L
8) T M Ethylbenzene	7.91	7009	22.616 ug/L
9) T M m,p-Xylene	8.16	35791	93.466 ug/L
10) T M o-Xylene	8.79	13238	41.984 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9062	18.211 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	21694	58.681 ug/L
14) T Naphthalene	16.07	1774	12.401 ug/L

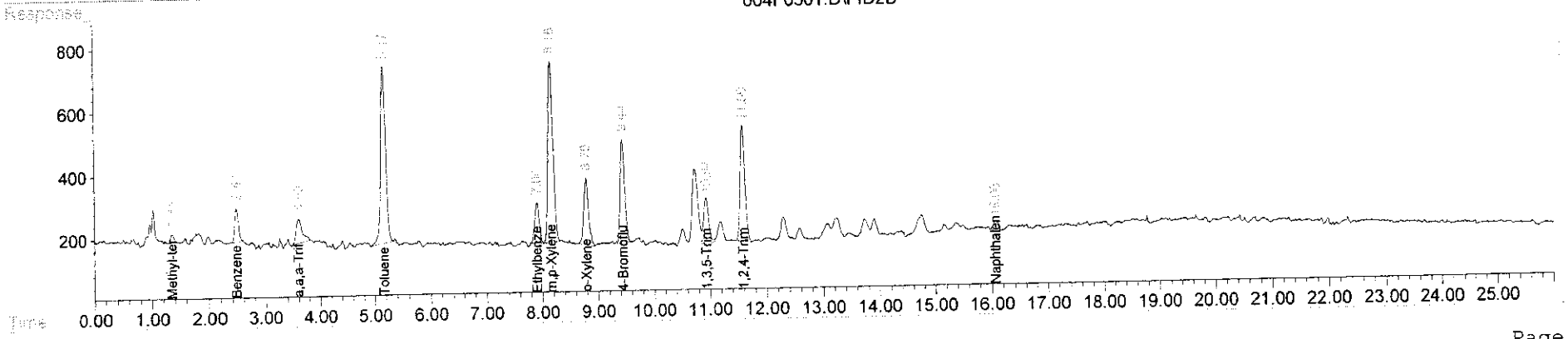
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\004F050 D\FID1A.CH Vial: 4
Acq On : 25-Jul-2005, 12:18:46 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\004F0501.D\FID2B.CH Vial: 4
Acq On : 25-Jul-05, 12:18:46 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:17 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\005F0601.D\FID1A.CH Vial: 5
Acq On : 25-Jul-2005, 12:51:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\005F0601.D\FID2B.CH Vial: 5
Acq On : 25-Jul-05, 12:51:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:13 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

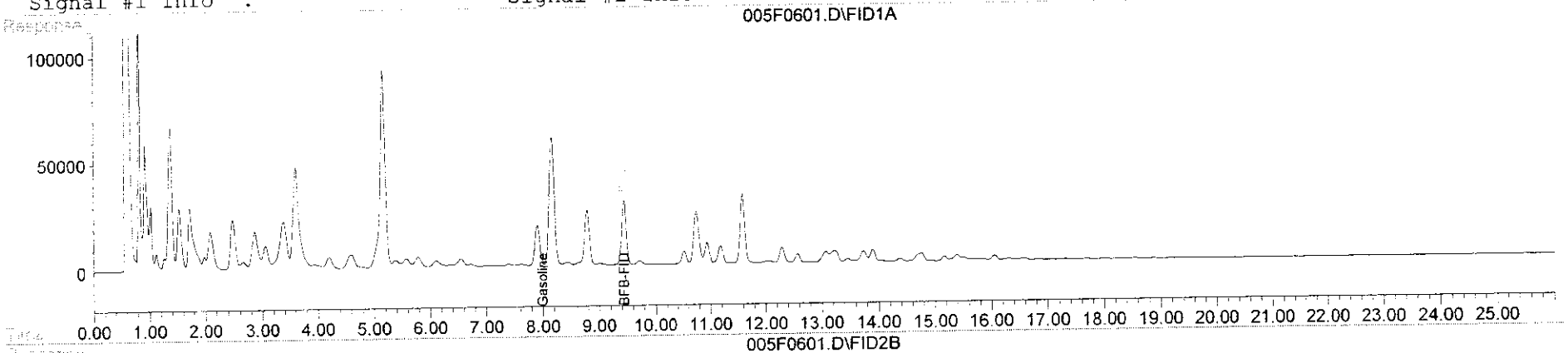
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6068	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1722497	110.311 ug/L
Spiked Amount 100.000		Recovery =	110.31%
S 4-Bromofluorobenzene	9.44	19085	89.749 ug/L
ked Amount 100.000		Recovery =	89.75%
Target Compounds			
1) H T M Gasoline	8.00	41986632	1630.524 ug/L
5) T Methyl-tert-butyl ether	1.35	1636	33.175 ug/L
6) T M Benzene	2.48	5755	25.557 ug/L
7) T M Toluene	5.16	36850	121.968 ug/L
8) T M Ethylbenzene	7.91	8178	26.099 ug/L
9) T M m,p-Xylene	8.16	38863	99.198 ug/L
10) T M o-Xylene	8.78	12519	38.673 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9638	18.902 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	24905	65.883 ug/L
14) T Naphthalene	16.06	1128	9.170 ug/L

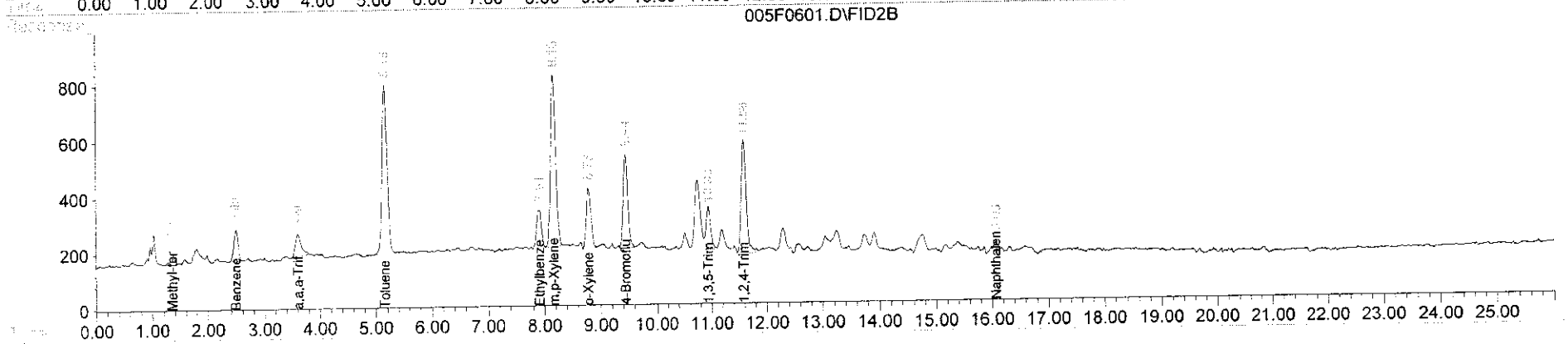
Data Fi. : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\005F06( )\FID1A.CH Vial: 5
Acq On : 25-Jul-2005, 12:51:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\005F0601.D\FID2B.CH Vial: 5
Acq On : 25-Jul-05, 12:51:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:13 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\006F0701.D\FID1A.CH Vial: 6
Acq On : 25-Jul-2005, 13:23:54 Operator: RG
Sample : 1740-0914,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\006F0701.D\FID2B.CH Vial: 6
Acq On : 25-Jul-05, 13:23:54 Operator: RG
Sample : 1740-0914,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:19 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	4976	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1613327	103.302 ug/L
Spiked Amount 100.000		Recovery =	103.30%
S 4-Bromofluorobenzene	9.44	18787	107.733 ug/L
Spiked Amount 100.000		Recovery =	107.73%
Target Compounds			
1) H T M Gasoline	8.00	32748055	1241.750 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	11.84	848	1.650 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

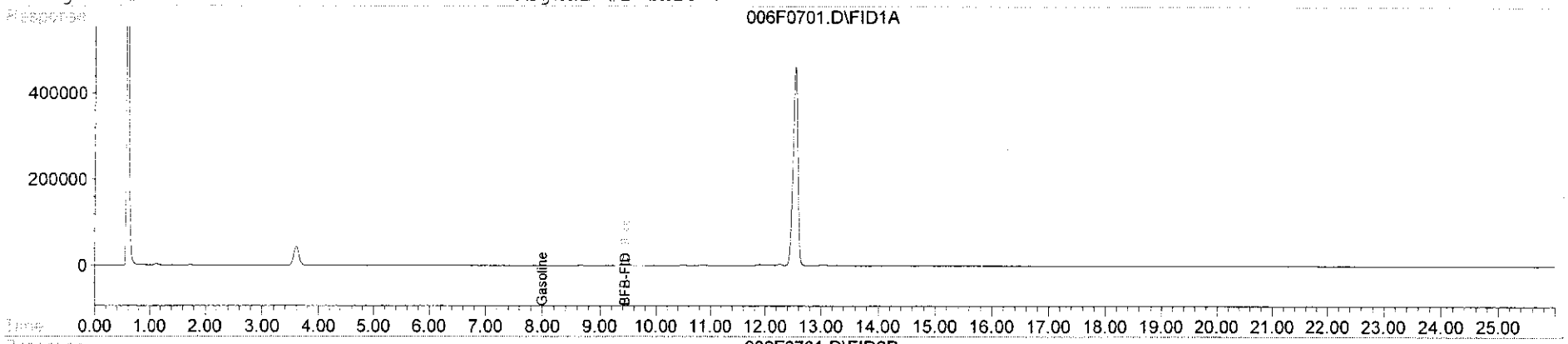
(f)=RT Delta > 1/2 Window (m)=manual int.

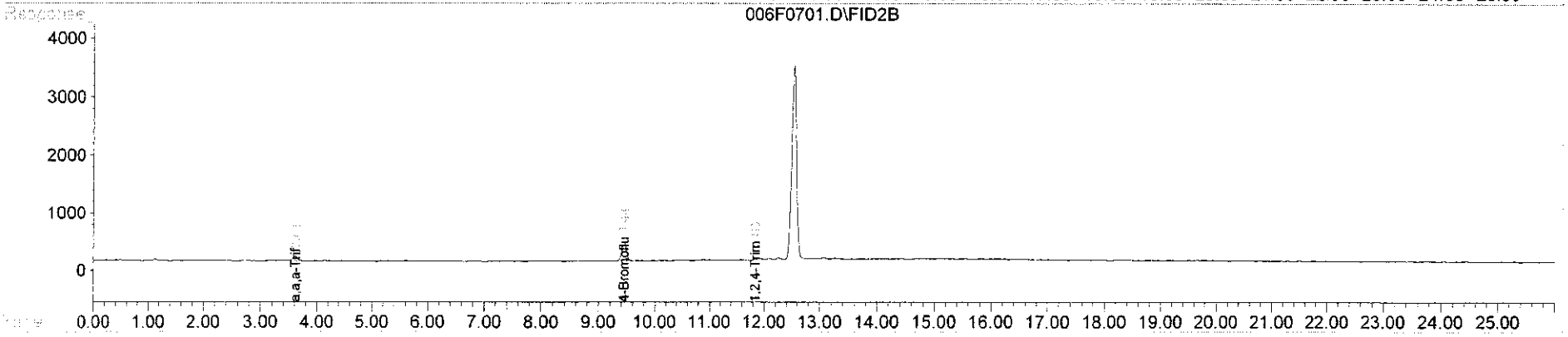
Data F: : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\006F07 D\FID1A.CH Vial: 6
Acq On : 25-Jul-2005, 13:23:54 Operator: RG
Sample : 1740-0914,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\006F0701.D\FID2B.CH Vial: 6
Acq On : 25-Jul-05, 13:23:54 Operator: RG
Sample : 1740-0914,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:19 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\007F0801.D\FID1A.CH Vial: 7
Acq On : 25-Jul-2005, 13:56:16 Operator: RG
Sample : 1740-0915,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\007F0801.D\FID2B.CH Vial: 7
Acq On : 25-Jul-05, 13:56:16 Operator: RG
Sample : 1740-0915,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:19 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info : 10X

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5033	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1616864	103.529 ug/L
Spiked Amount 100.000		Recovery =	103.53%
S 4-Bromofluorobenzene	9.45	19255	109.173 ug/L
Spiked Amount 100.000		Recovery =	109.17%
Target Compounds			
1) H T M Gasoline	8.00	18269118	632.454 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

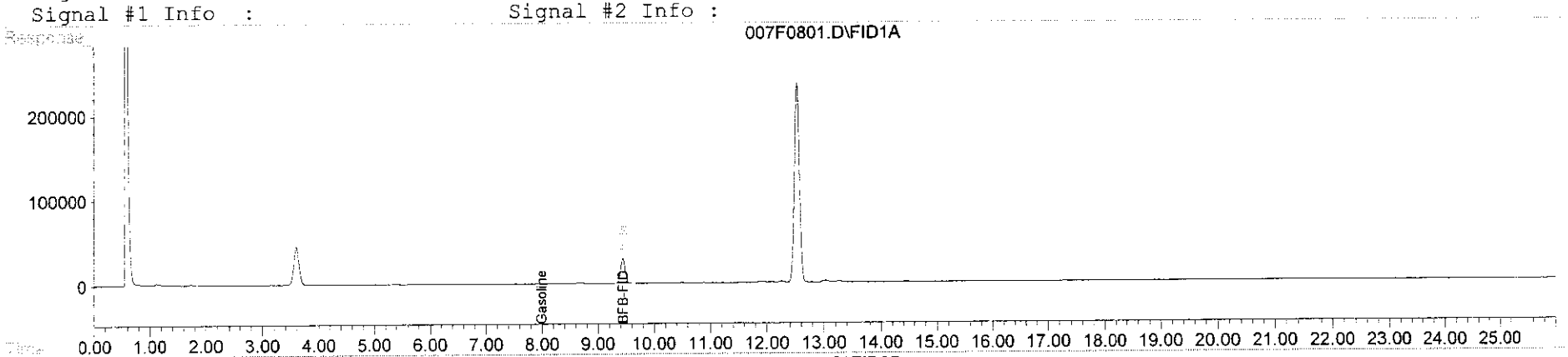
(f)=RT Delta > 1/2 Window (m)=manual int.

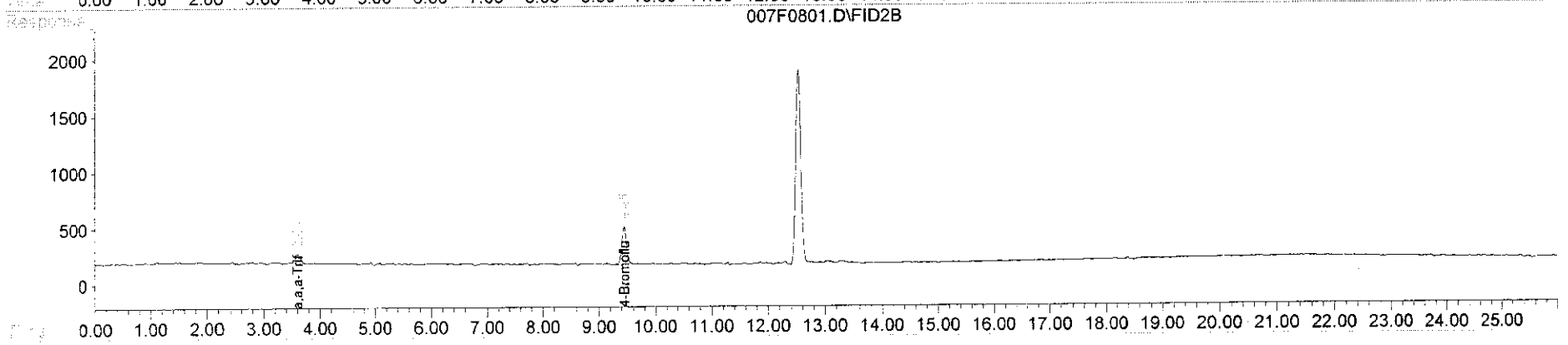
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\007F08 D\FID1A.CH Vial: 7
Acq On : 25-Jul-2005, 13:56:16 Operator: RG
Sample : 1740-0915,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\007F0801.D\FID2B.CH Vial: 7
Acq On : 25-Jul-05, 13:56:16 Operator: RG
Sample : 1740-0915,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:19 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\008F0901.D\FID1A.CH Vial: 8
Acq On : 25-Jul-2005, 14:28:43 Operator: RG
Sample : 1740-0922,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\008F0901.D\FID2B.CH Vial: 8
Acq On : 25-Jul-05, 14:28:43 Operator: RG
Sample : 1740-0922,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

foamy matrix

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info : 10x

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5012	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1625652	104.093 ug/L
Spiked Amount 100.000		Recovery =	104.09%
) S 4-Bromofluorobenzene	9.44	18888	107.531 ug/L
iked Amount 100.000		Recovery =	107.53%
Target Compounds			
1) H T M Gasoline	8.00	5851358	109.896 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	16.34f	2437	17.701 ug/L

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

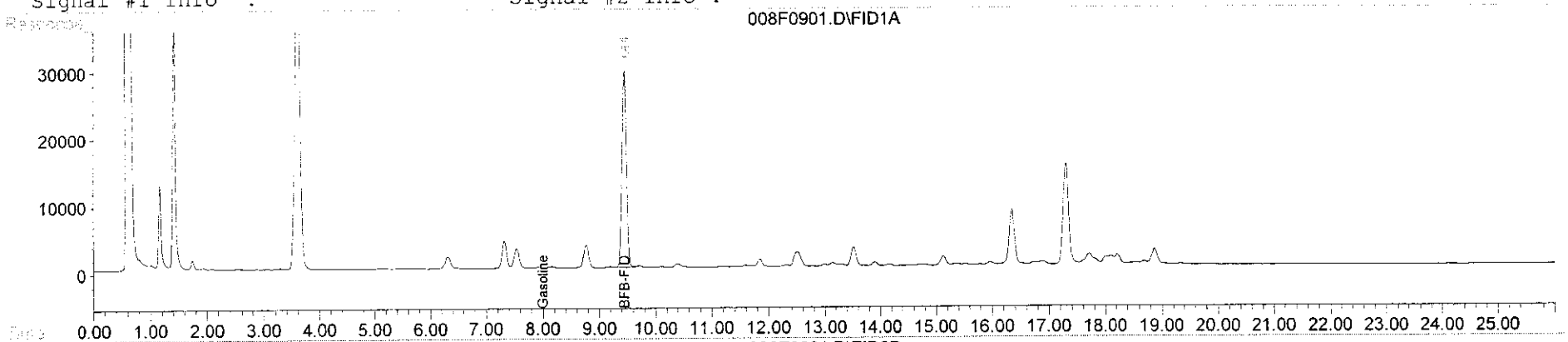
Quantication Report

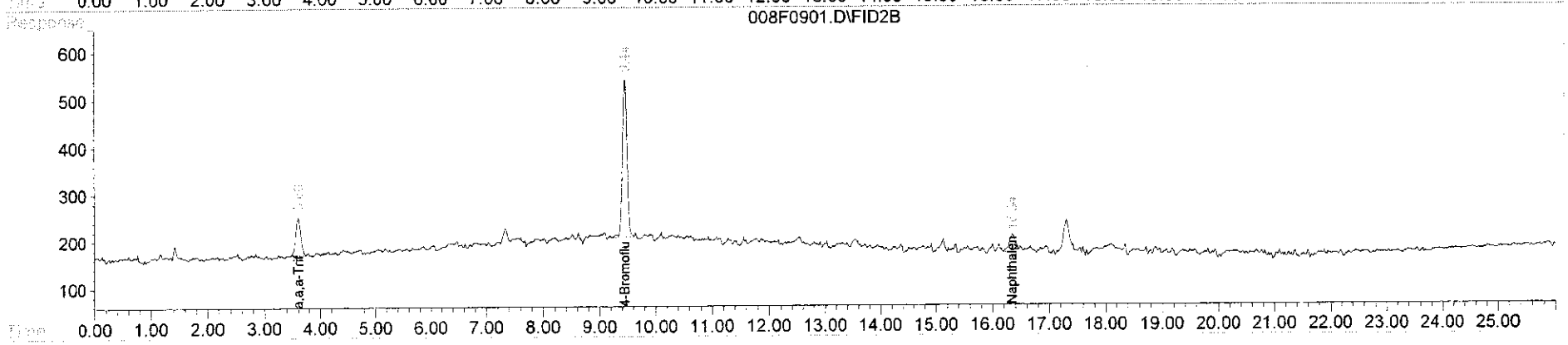
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\008F09( )\FID1A.CH Vial: 8
Acq On : 25-Jul-2005, 14:28:43 Operator: RG
Sample : 1740-0922,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\008F0901.D\FID2B.CH Vial: 8
Acq On : 25-Jul-05, 14:28:43 Operator: RG
Sample : 1740-0922,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\009F1001.D\FID1A.CH Vial: 9
Acq On : 25-Jul-2005, 15:00:55 Operator: RG
Sample : 1740-0924,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\009F1001.D\FID2B.CH Vial: 9
Acq On : 25-Jul-05, 15:00:55 Operator: RG
Sample : 1740-0924,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

20x

Fermy Matrix

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	4851	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1624038	103.990 ug/L
Spiked Amount 100.000		Recovery =	103.99%
1 S 4-Bromofluorobenzene	9.45	18589	109.344 ug/L
ked Amount 100.000		Recovery =	109.34%
Target Compounds			
1) H T M Gasoline	8.00	3888492	27.295 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	16.34f	7432	47.393 ug/L

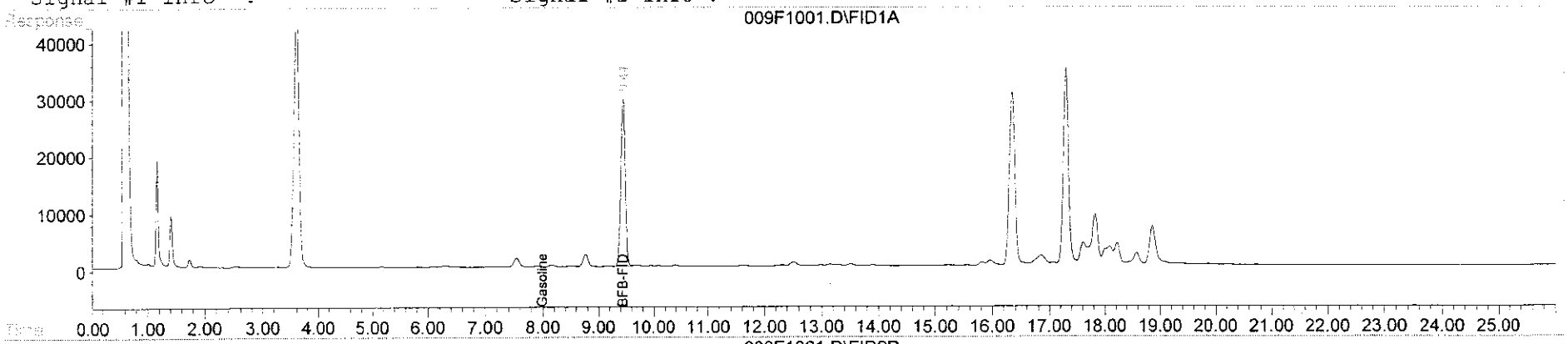
(f)=RT Delta > 1/2 Window (m)=manual int.

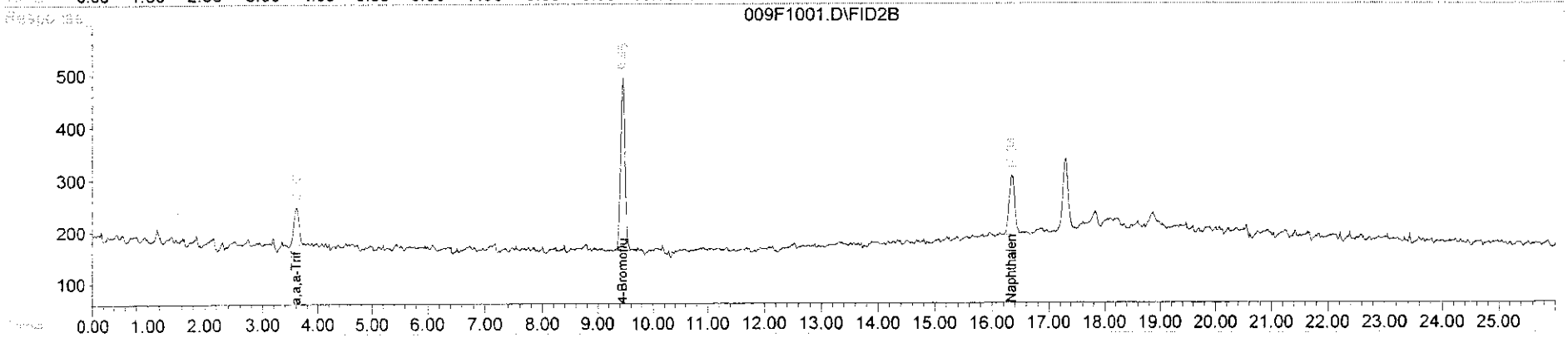
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\009F10C \FID1A.CH Vial: 9
Acq On : 25-Jul-2005, 15:00:55 Operator: RG
Sample : 1740-0924,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\009F1001.D\FID2B.CH Vial: 9
Acq On : 25-Jul-05, 15:00:55 Operator: RG
Sample : 1740-0924,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\010F1101.D\FID1A.CH Vial: 10
Acq On : 25-Jul-2005, 15:33:23 Operator: RG
Sample : 1740-0925,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\010F1101.D\FID2B.CH Vial: 10
Acq On : 25-Jul-05, 15:33:23 Operator: RG
Sample : 1740-0925,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info : 10X

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5713	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1640512	105.047 ug/L
Spiked Amount 100.000		Recovery =	105.05%
11) S 4-Bromofluorobenzene	9.45	19888	99.326 ug/L
ked Amount 100.000		Recovery =	99.33%
Target Compounds			
1) H T M Gasoline	8.00	4614352	57.840 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	16.35f	6627	36.823 ug/L

Fuzzy Matrix

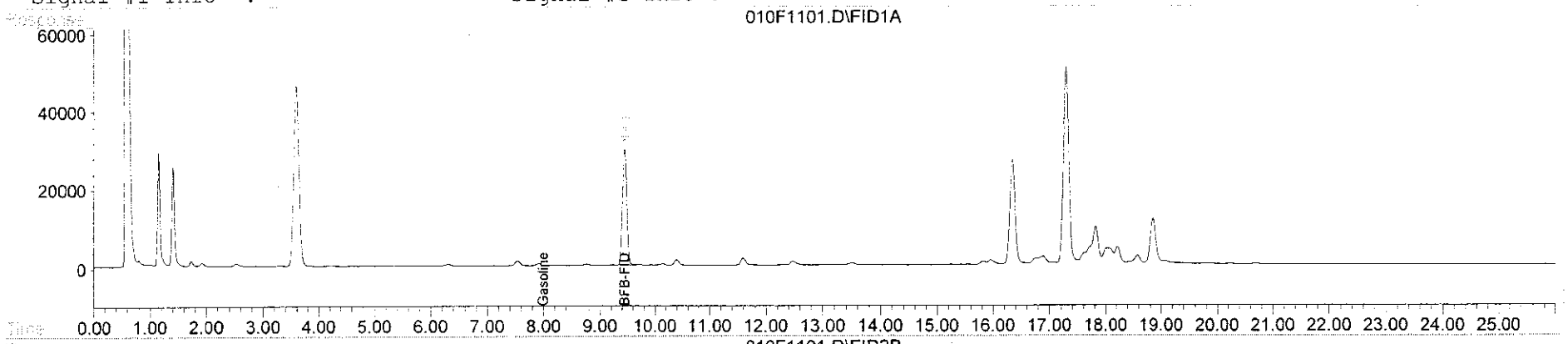
(f)=RT Delta > 1/2 Window (m)=manual int.

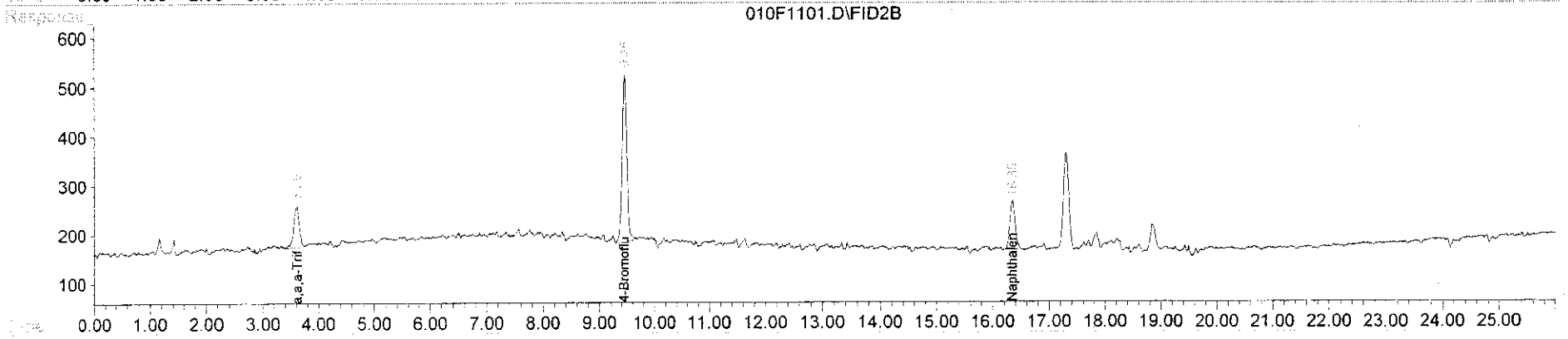
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\010F11 D\FID1A.CH Vial: 10
Acq On : 25-Jul-2005, 15:33:23 Operator: RG
Sample : 1740-0925,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\010F1101.D\FID2B.CH Vial: 10
Acq On : 25-Jul-05, 15:33:23 Operator: RG
Sample : 1740-0925,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:20 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\011F1201.D\FID1A.CH Vial: 11
Acq On : 25-Jul-2005, 16:06:02 Operator: RG
Sample : 1740-0926,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\011F1201.D\FID2B.CH Vial: 11
Acq On : 25-Jul-05, 16:06:02 Operator: RG
Sample : 1740-0926,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

10X

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5289	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1639572	104.987 ug/L
Spiked Amount 100.000		Recovery =	104.99%
S 4-Bromofluorobenzene	9.44	18987	102.433 ug/L
Spiked Amount 100.000		Recovery =	102.43%
Target Compounds			
1) H T M Gasoline	8.00	4489647	52.593 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	11.66	952	1.806 ug/L
14) T Naphthalene	16.34f	6209	37.226 ug/L

Foamy Matrix

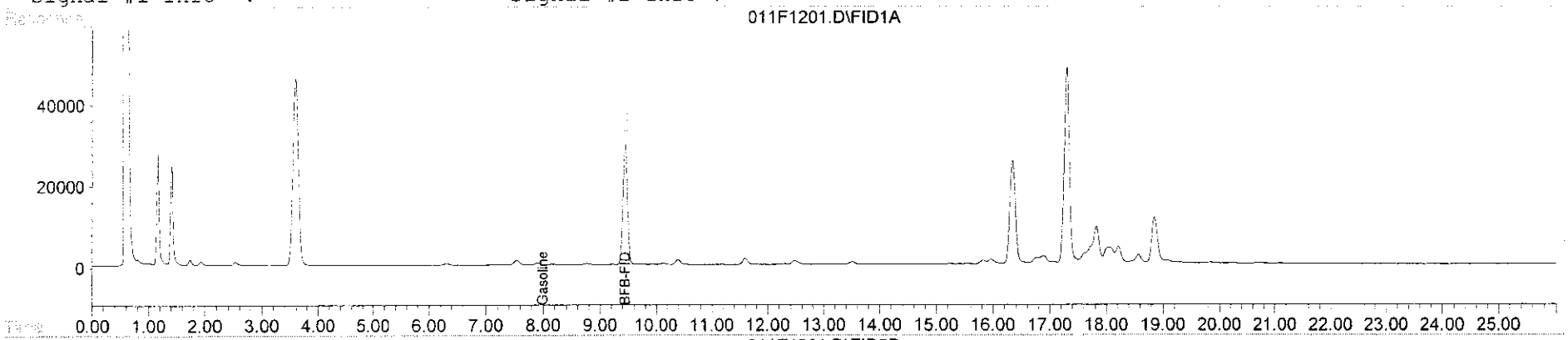
(f)=RT Delta > 1/2 Window (m)=manual int.

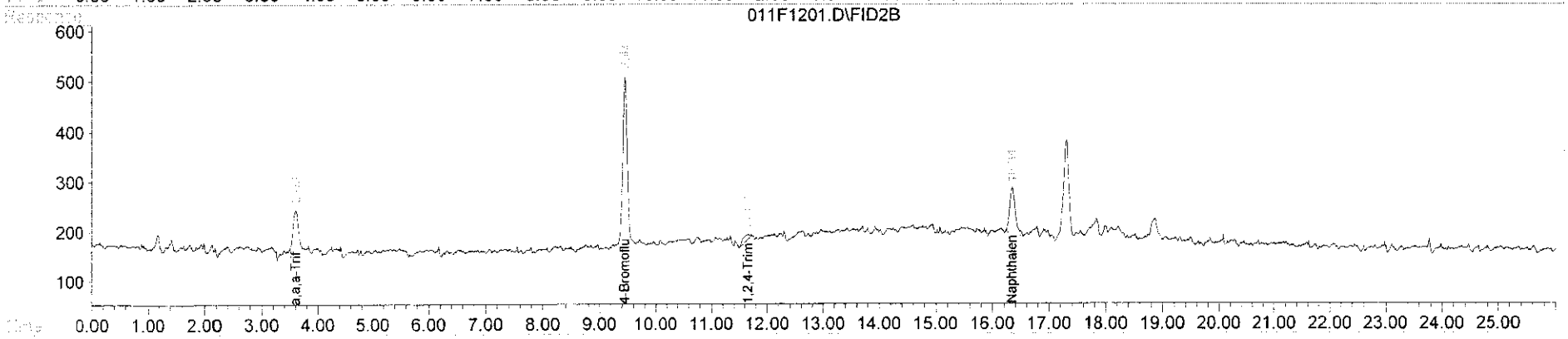
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\011F12 D\FID1A.CH Vial: 11
Acq On : 25-Jul-2005, 16:06:02 Operator: RG
Sample : 1740-0926,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\011F1201.D\FID2B.CH Vial: 11
Acq On : 25-Jul-05, 16:06:02 Operator: RG
Sample : 1740-0926,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\012F1301.D\FID1A.CH Vial: 12
Acq On : 25-Jul-2005, 16:38:30 Operator: RG
Sample : 1740-0927,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\012F1301.D\FID2B.CH Vial: 12
Acq On : 25-Jul-05, 16:38:30 Operator: RG
Sample : 1740-0927,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	4965	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1633348	104.587 ug/L
Spiked Amount 100.000		Recovery =	104.59%
1[illegible] S 4-Bromofluorobenzene	9.45	18752	107.778 ug/L
[illegible]ked Amount 100.000		Recovery =	107.78%
Target Compounds			
1) H T M Gasoline	8.00	3054824	N.D. ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	0.00	0	N.D. ug/L
7) T M Toluene	0.00	0	N.D. ug/L
8) T M Ethylbenzene	0.00	0	N.D. ug/L
9) T M m,p-Xylene	0.00	0	N.D. ug/L
10) T M o-Xylene	0.00	0	N.D. ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Focus Matrix

(f)=RT Delta > 1/2 Window (m)=manual int.
012F1301.D 0617ARCH.M Tue Jul 26 09:46:34 2005 VOA

Quantitation Report

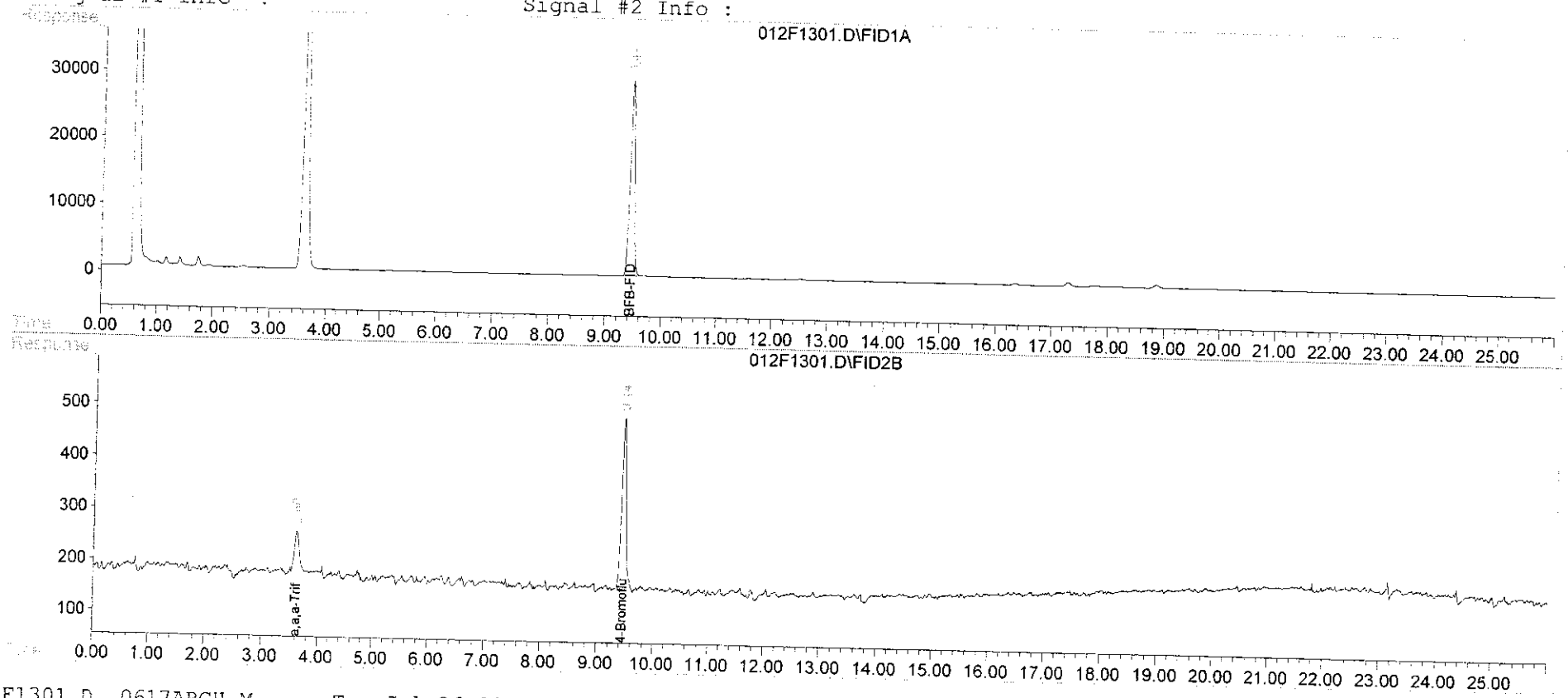
Data I : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\012F. ..D\FID1A.CH Vial: 12
Acq On : 25-Jul-2005, 16:38:30 Operator: RG
Sample : 1740-0927,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\012F1301.D\FID2B.CH Vial: 12
Acq On : 25-Jul-05, 16:38:30 Operator: RG
Sample : 1740-0927,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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

Signal #2 Phase:
Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\013F1401.D\FID1A.CH Vial: 13
Acq On : 25-Jul-2005, 17:10:55 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\013F1401.D\FID2B.CH Vial: 13
Acq On : 25-Jul-05, 17:10:55 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

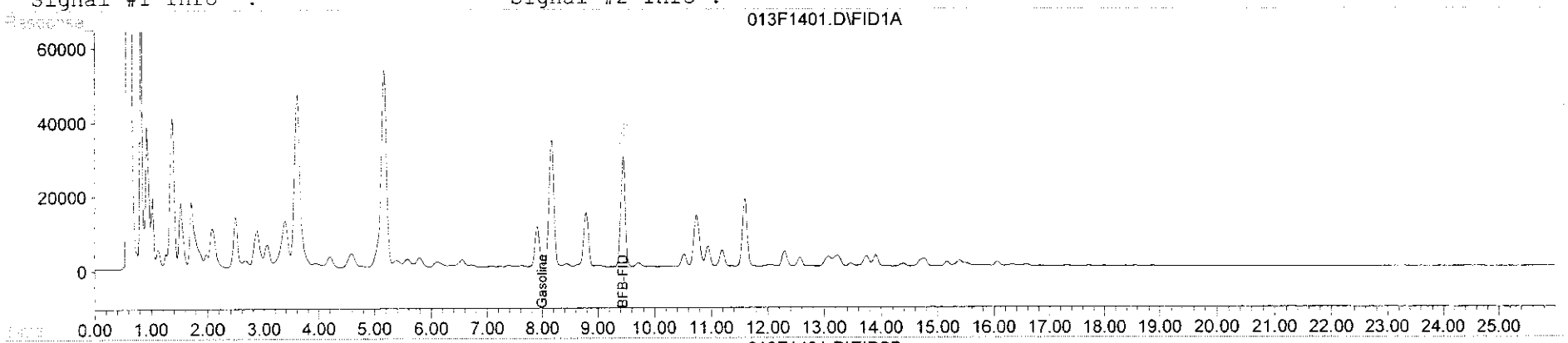
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	4272	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1683293	107.794 ug/L
Spiked Amount 100.000		Recovery =	107.79%
S 4-Bromofluorobenzene	9.44	19606	130.952 ug/L
Spiked Amount 100.000		Recovery =	130.95%
Target Compounds			
1) H T M Gasoline	8.00	25319634	929.151 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	3299	21.084 ug/L
7) T M Toluene	5.17	20792	97.547 ug/L
8) T M Ethylbenzene	7.91	4280	18.763 ug/L
9) T M m,p-Xylene	8.16	22406	80.767 ug/L
10) T M o-Xylene	8.79	8272	36.239 ug/L
12) T 1,3,5-Trimethylbenzene	10.95	4670	13.009 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13158	49.154 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

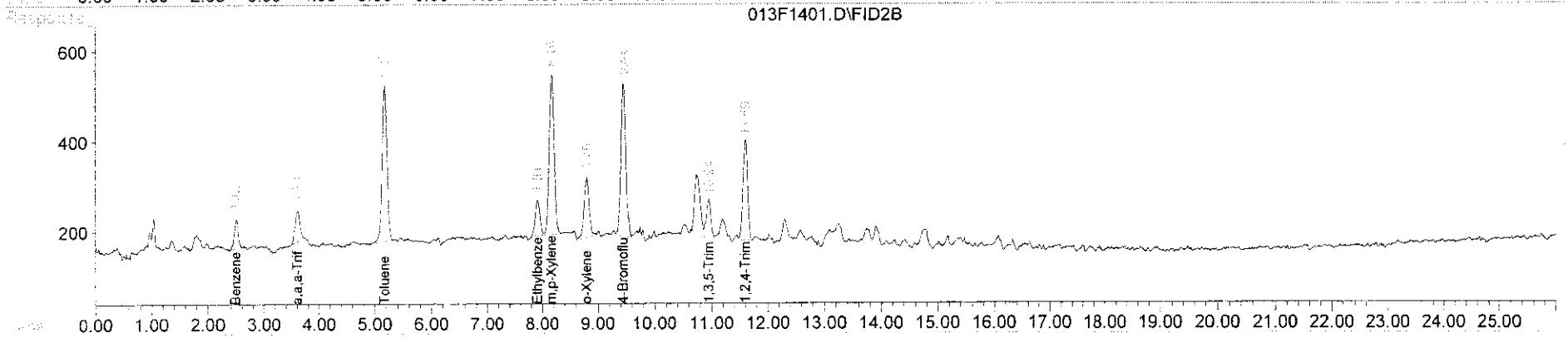
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\013F14 D\FID1A.CH Vial: 13
Acq On : 25-Jul-2005, 17:10:55 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\013F1401.D\FID2B.CH Vial: 13
Acq On : 25-Jul-05, 17:10:55 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:21 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\014F1501.D\FID1A.CH Vial: 14
Acq On : 25-Jul-2005, 17:43:03 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\014F1501.D\FID2B.CH Vial: 14
Acq On : 25-Jul-05, 17:43:03 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:25 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Initial Calibration
DataAcq Meth : 2GROBTEX.M

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

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5045	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1595709	102.171 ug/L
Spiked Amount 100.000		Recovery =	102.17%
3) S 4-Bromofluorobenzene	9.45	18926	107.042 ug/L
Spiked Amount 100.000		Recovery =	107.04%
Target Compounds			
1) H T M Gasoline	8.00	18700550	650.610 ug/L
5) T Methyl-tert-butyl ether	1.34	1775	43.447 ug/L
6) T M Benzene	2.48	9025	46.902 ug/L
7) T M Toluene	5.17	14275	56.293 ug/L
8) T M Ethylbenzene	7.91	12296	49.197 ug/L
9) T M m,p-Xylene	8.17	34853	107.194 ug/L
10) T M o-Xylene	8.79	14007	52.368 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	23398	55.190 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	17386	55.132 ug/L
14) T Naphthalene	16.07	8345	50.854 ug/L

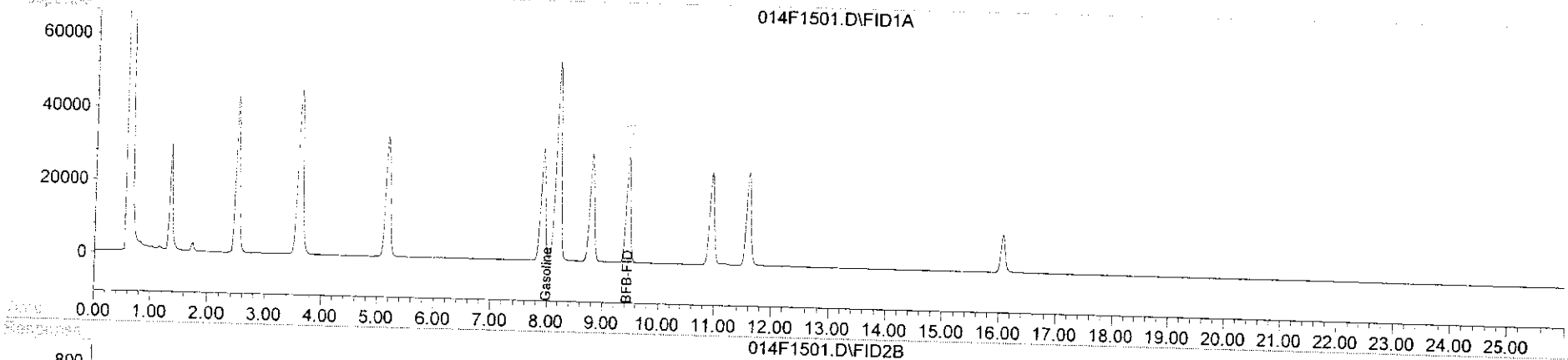
Quantitation Report

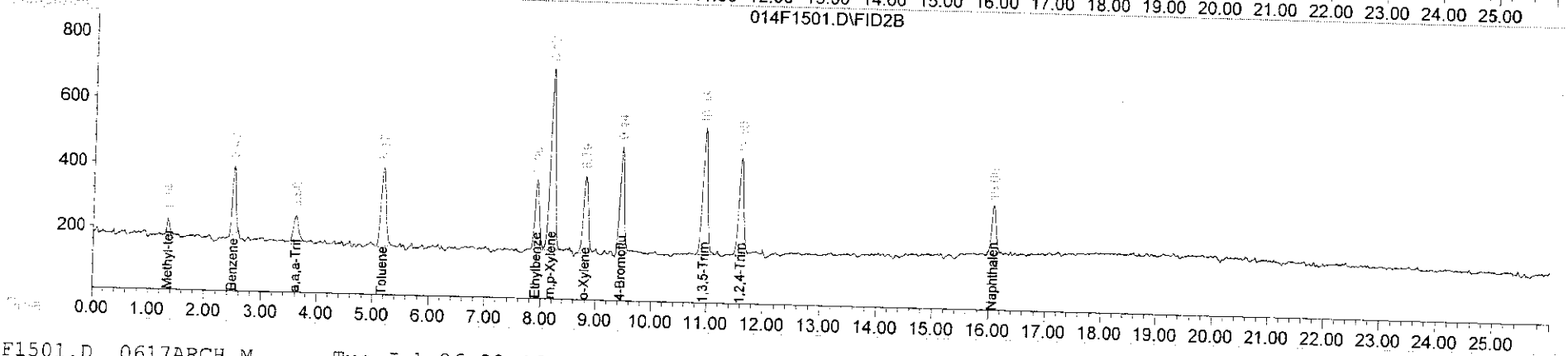
Data F : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\014F1 .D\FID1A.CH Vial: 14
Acq On : 25-Jul-2005, 17:43:03 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\014F1501.D\FID2B.CH Vial: 14
Acq On : 25-Jul-05, 17:43:03 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:25 19105 Quant Results File: 0617ARCH.RES

Quant Method : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 20 10:20:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : 2GROBTEX.M

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





P.O. Box 325, San Germán, Puerto Rico 00683

Notebook for: LOG BOOK FOR HP 5890 Series II FID/FID FOR DRO Instrument ID: PADC-FID-003 S/N: 3235A44091 Book No.: 5

Line #	Project Number	Lab. Sample Number	Prep. Batch #	Client Name	Data File Name	ALS Position	Matrix	Dilution Factor for GC Analysis	Run Date	Analyst	Comments
1	CS-1671	0507-0633	2046	① ~~PD-31-SW-9~~ OR-02	5701001	57	Soil	2x	07-21-05	[illegible]	
2		1000CCV		N/A	5801002	58		1			
3		0507-0634		OR-03	5901003	59					
4		-0635		OR-04	6001004	60					
5		-0636		OR-05	6101005	61					
6		-0637		OR-06	6201006	62					
7		-0632		OR-01	6301007	63					MS
8	↓②	② -0632	↓②	↓②	6401008	64	↓②	↓②			MSD
9	N/A	MB	2079	N/A	6501009	65	Aqueous	10			
10	↓②	LCS		↓②	6601010	66					
11	CS-1678	0507-0663		PD-31-SW-9	6701011	67					
12		1000CCV		N/A	6801012	68					
13		0507-0664		PD-31-SW-C	6901013	69					
14	↓②	② -0665	↓②	② -30 ② -10	7001014	70	↓②	↓②	↓②	↓②	

Surrogate ID: SUGC-1-011C LCS/MS/MSD Spike ID: SUGC-1-007A ICV/CCV Spike ID: SCSO-1-028 DCM ID: Lot. 042008

Surrogate ID: N/A LCS/MS/MSD Spike ID: N/A ICV/CCV Spike ID: N/A DCM ID: Lot. X21828

Surrogate ID: LCS/MS/MSD Spike ID: ICV/CCV Spike ID: DCM ID: N/A

N/A [illegible] 07-22-05 ① [illegible] 07-22-05 ② [illegible] 07-22-05

Form # 2 / PR-O-002 / Rev. 0 / October 25, 2004

P.O. Box 325, San Germán, Puerto Rico 00683

Notebook for: LOG BOOK FOR HP 5890 Series II FID/FID FOR DRO Instrument ID: PADC-FID-003 S/N: 3235A44091 Book No.: 5

Line #	Project Number	Lab. Sample Number	Prep. Batch #	Client Name	Data File Name	ALS Position	Matrix	Dilution Factor for GC Analysis	Run Date	Analyst	Comments
1	05-1740	0507-0913	20799	Trip Blank	7301015	71	Aqueous	1.0	07-21-05	[illegible]	
2		-0914		IW1	7301016	72			07-22-05		
3		-0915		IW2	7301017	73					
4		-0916		Field Blank	7401018	74					
5		-0917		IW4	7501019	75					
6		-0918		IW4 Dup	7601020	76					
7		-0919		IW3	7701021	77					
8		↓ -0920		IW5	7801022	78					
9		1000 CCV		N/A	7901023	79					
10		0507-0921		CW1	8001024	80					
11		-0922		CW2	8101025	81					
12		-0923		CW3	8201026	82					
13		-0924		CW4	8301027	83					
14	↓	↓ -0925	↓	CW5	8401028	84	↓	↓	↓	↓	

Surrogate ID: SCG-1-011C LCS/MS/MSD Spike ID: SCG-1-007A ICV/CCV Spike ID: SCG-1-008 DCM ID: Lot. X21822

Surrogate ID: N/A LCS/MS/MSD Spike ID: N/A ICV/CCV Spike ID: N/A DCM ID: N/A

Surrogate ID: LCS/MS/MSD Spike ID: ICV/CCV Spike ID: DCM ID:

LA 07-22-05

P.O. Box 325, San Germán, Puerto Rico 00683

Notebook for: LOG BOOK FOR HP 5890 Series II FID/FID FOR DRO Instrument ID: PADC-FID-003 S/N: 3235A44091 Book No.: 5

Line #	Project Number	Lab. Sample Number	Prep. Batch #	Client Name	Data File Name	ALS Position	Matrix	Dilution Factor for GC Analysis	Run Date	Analyst	Comments
1	05-1740	0507-0926	2079	OWS Dup	8501029	85	Aqueous	10	07-22-05	[illegible]	
2		-0927		Field Blank 2	8601030	86					
3		-0927			8701031	87					
4	↓①	①↓-0927	↓①	①↓	8801032	88					MS
5	N/A	MB	2080	N/A	8901033	89					MSD
6		1000CCV			9001034	90					
7	↓①	LCS		①↓	9101035	91					
8	05-1712	0507-0799		EB-071505	9201036	92					
9	↓①	-0802		FB-071505	9301037	93					
10	05-1724	-0855		EB-071805	9401038	94					
11	↓①	-0860		FB-071805	9501039	95					
12	05-1746	~~-1066~~ 1065		FB-1	9601040	96					
13		-1066		TB-1	9701041	97					
14	↓①	↓①-1067	↓①	EB-1	9801042	98	↓①	↓①	↓①	↓①	

Surrogate ID: SUGC-1-011C LCS/MS/MSD Spike ID: SUGC-1-007A ICV/CCV Spike ID: SLSU-1-028 DCM ID: Lot X21828

Surrogate ID: N/A LCS/MS/MSD Spike ID: N/A ICV/CCV Spike ID: N/A DCM ID: N/A

Surrogate ID: LCS/MS/MSD Spike ID: ICV/CCV Spike ID: DCM ID:

①[illegible] 07-22-05 N/A[illegible] 07-22-05

DIESEL RANGE ORGANICS (DRO)/OIL RANGE ORGANICS (ORO) EXTRACTION LOG
(MODIFIED)

Item #	Project #	Lab. Sample Number	Batch Number	Date Extracted	By	Volume, mL or Wt, g extracted	Amount of DCM Added, mL	Concentration Factor	Comments (Appearance, Color, Odor, etc.)
1	N/A	MB	2079	07-21-05	[illegible]	30 mL	3	10	
2	↓	ACS	↓	↓	↓	↓	↓	↓	
3	05-1678	0507-0663							
4	↓	-0664							
5	↓	-0665							
6	05-1740	-0913							
7		-0914							
8	~~05-~~	-0915							
9		-0916							
10		-0917							
11		-0918							
12		-0919							
13		-0920							
14		-0921							
15		-0922							
16		-0923							
17		-0924							
18		-0925							
19		-0926							
20		-0927							
21		-0927							
22	↓	↓ -0927	↓						MS
24	N/A	MB	2080						MSD
25	↓	ACS	↓	↓	↓	↓	↓	↓	

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: J.T. Baker Lot: X21928 Exp. Date: 05-08
Sodium Sulfate: Mfg: Baker Lot: 050694 Exp. Date: 06-10
Surrogate ID: SUG-1-011C LCS/MS/MSD ID: SUG-1-007A

Spike witness: [illegible]

VERIFIED AND APPROVED BY: [illegible] DATE: 7/21/05

[illegible] 7-21-05 [illegible] 7-21-05

Data File Name **6601010.D**
Date Acquired **21 Jul 2005 21:46**
Method File **DROFID3.M**
Sample Name **lcs 2079**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	33.17	25	133	80-144	Pass
Diesel Range Organics	1227.10	1000	123	70 - 130	Pass

Spike Recovery and RPD Summary Report - WATER

Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrat
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration

Non-Spiked Sample: 8601030.D

	Spike Sample	Spike Duplicate Sample
File ID :	8701031.D	8801032.D
Sample :	0507-0927 ms	0507-0927 msd
Acq Time:	22 Jul 2005 6:45	22 Jul 2005 7:11

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel Range Organic	2.3	1000	1285	1266	128	126	1	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 11:01:13 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\ZZZ\5801002.D Vial: 58
Acq On : 21 Jul 2005 18:20 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:29 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1221809	30.594 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	122.38% 122%
Target Compounds			
2) H M Diesel Range Organics	7.00	45270817	1110.725 mg/L 111%
3) H Oil Range Organics	15.00	3742395	91.820 mg/L

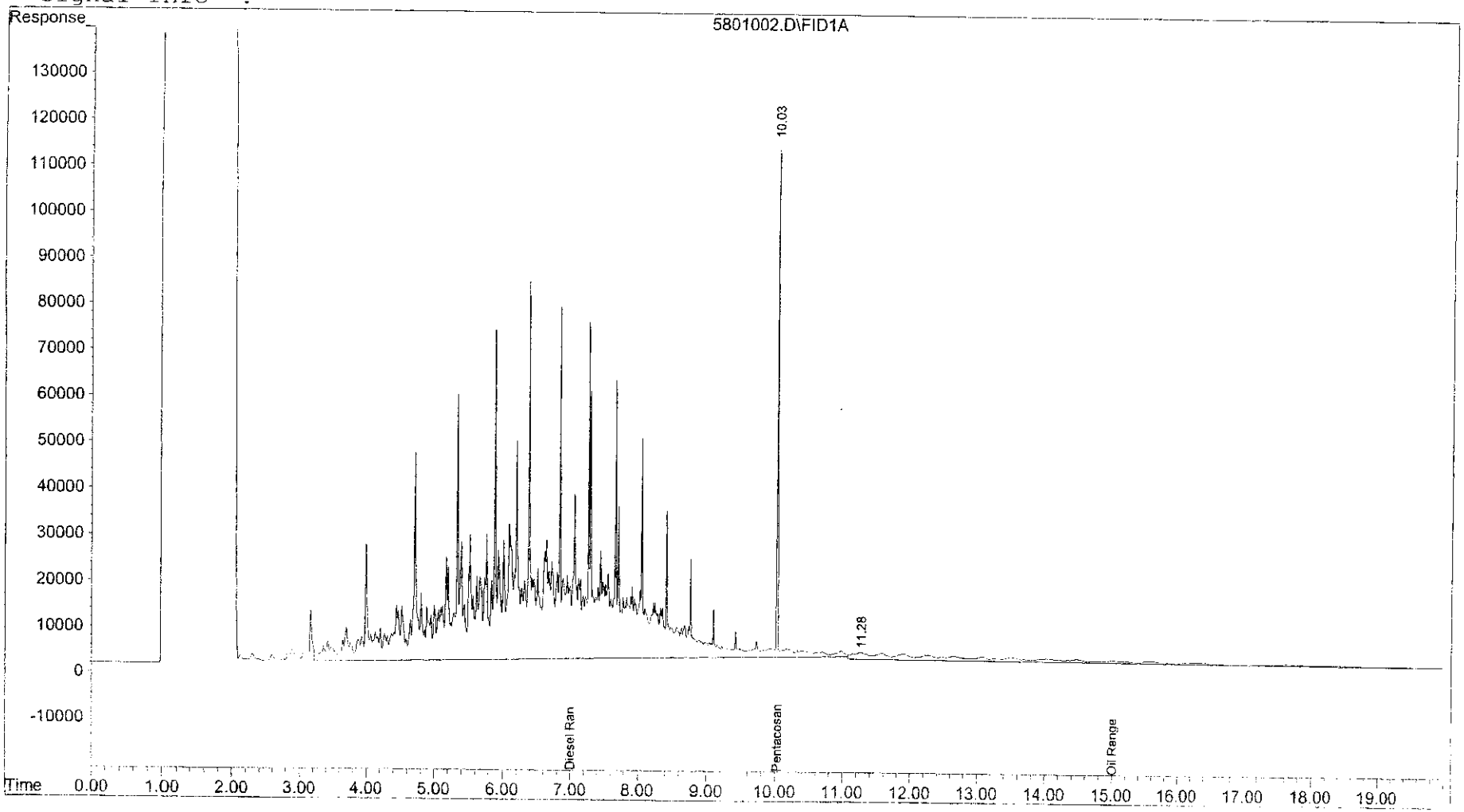
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Dat File : O:\ORGANICS\HPCHEM\FID-003\DATA\Z: 5801002.D Vial: 58
Acq On : 21 Jul 2005 18:20 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:29 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\6501009.D Vial: 65
Acq On : 21 Jul 2005 21:21
Sample : mb 2079 Operator: KMI
Misc : Aqueous Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 11:03 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

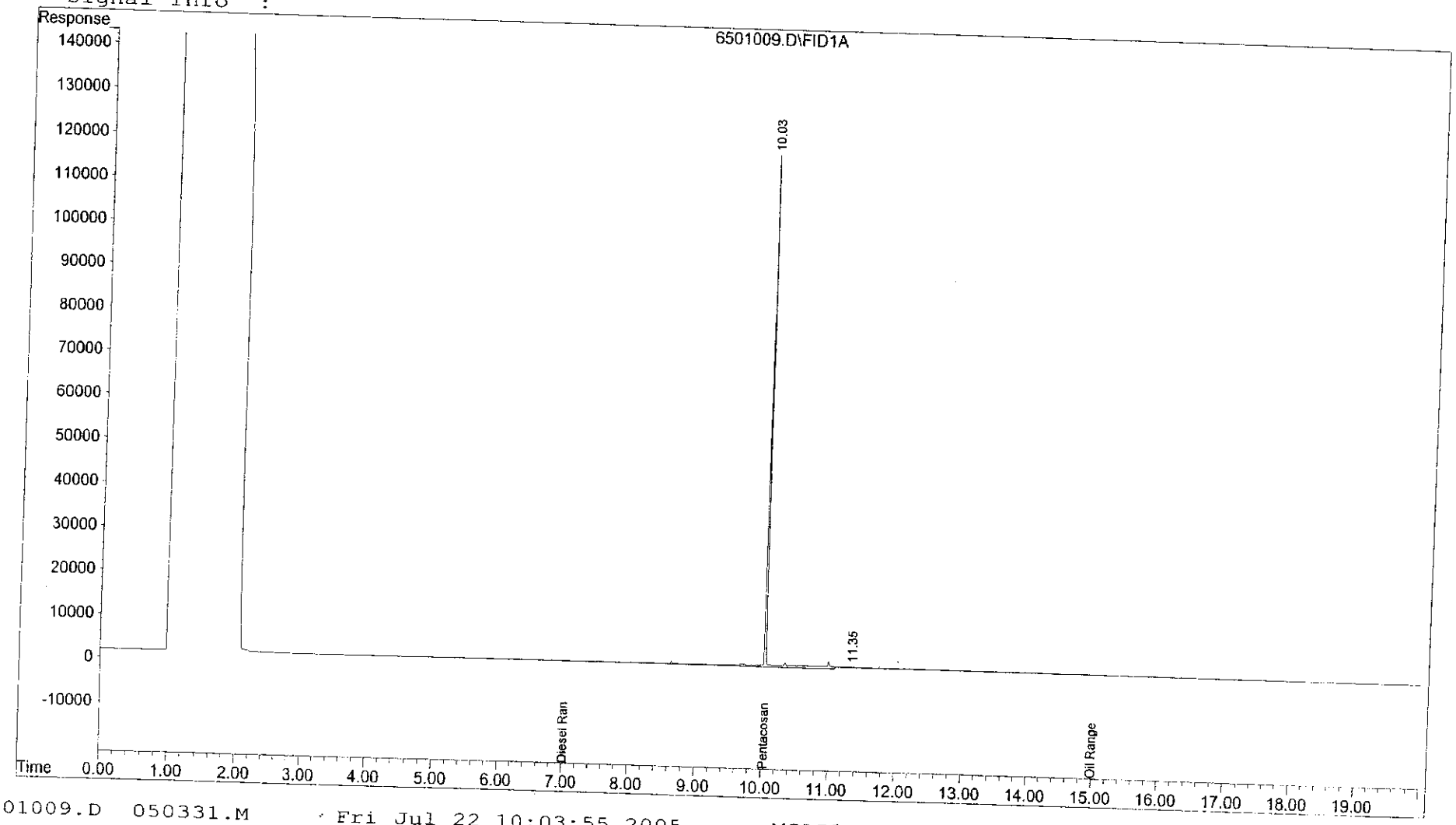
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.03	1273454	31.887 mg/L m
Spiked Amount 25.000 Range 80 - 144		Recovery =	127.55% 128%
Target Compounds			
2) H M Diesel Range Organics	7.00	134717	3.305 mg/L
3) H Oil Range Organics	15.00	26709	0.655 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\0[illegible]20\6501009.D Vial: 65
Acq On : 21 Jul 2005 21:21 Operator: KMI
Sample : mb 2079 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 11:03 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



6501009.D 050331.M Fri Jul 22 10:03:55 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\6601010.D Vial: 66
Acq On : 21 Jul 2005 21:46 Operator: KMI
Sample : lcs 2079 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:36 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

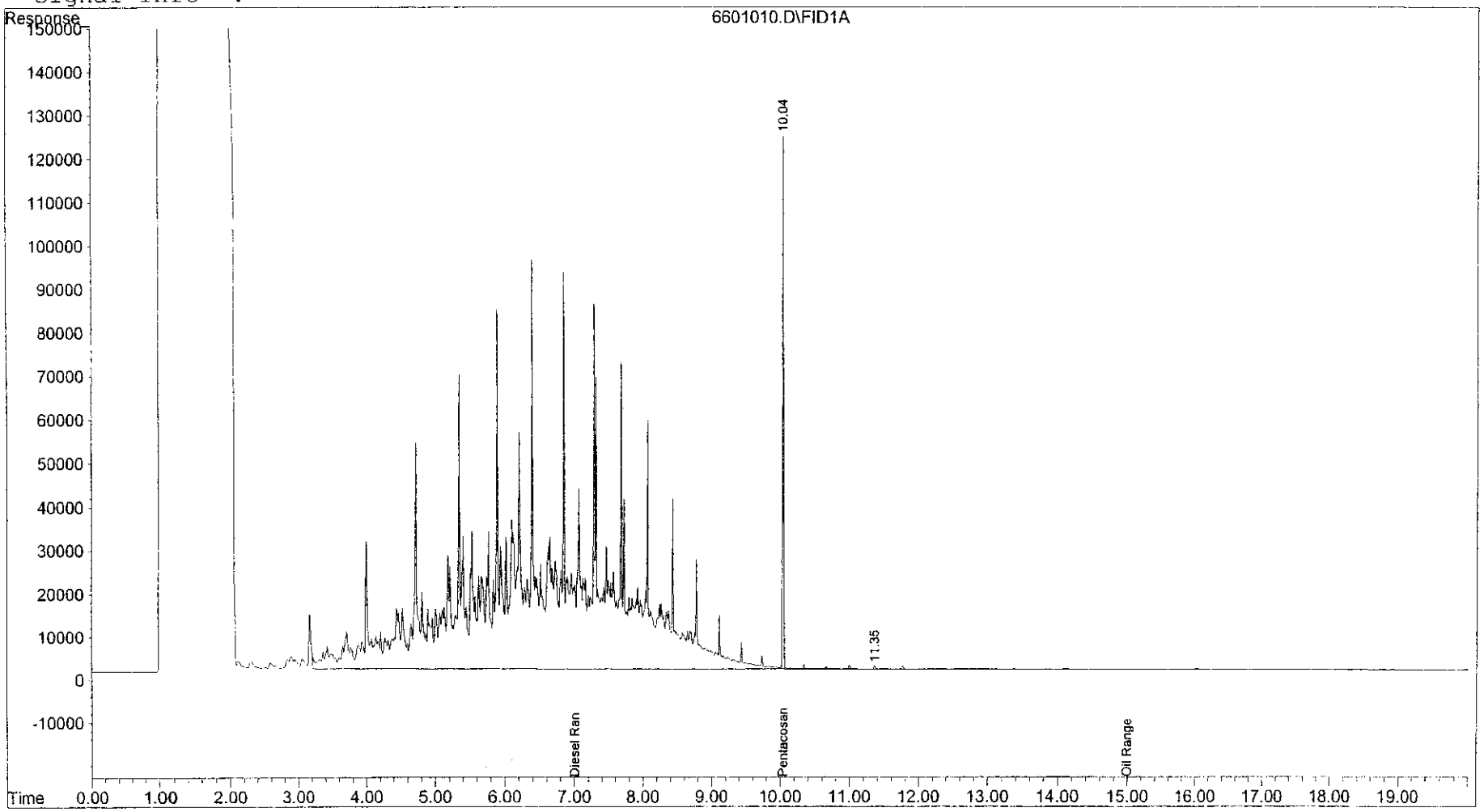
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1324676	33.169 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	132.68% 133%
Target Compounds			
2) H M Diesel Range Organics	7.00	50014140	1227.103 mg/L 123%
3) H Oil Range Organics	15.00	51363	1.260 mg/L

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

Dat. ile : O:\ORGANICS\HPCHEM\FID-003\DATA\05(0\6601010.D Vial: 66
Acq On : 21 Jul 2005 21:46 Operator: KMI
Sample : lcs 2079 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:36 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\6801012.D Vial: 68
Acq On : 21 Jul 2005 22:38 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:39 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

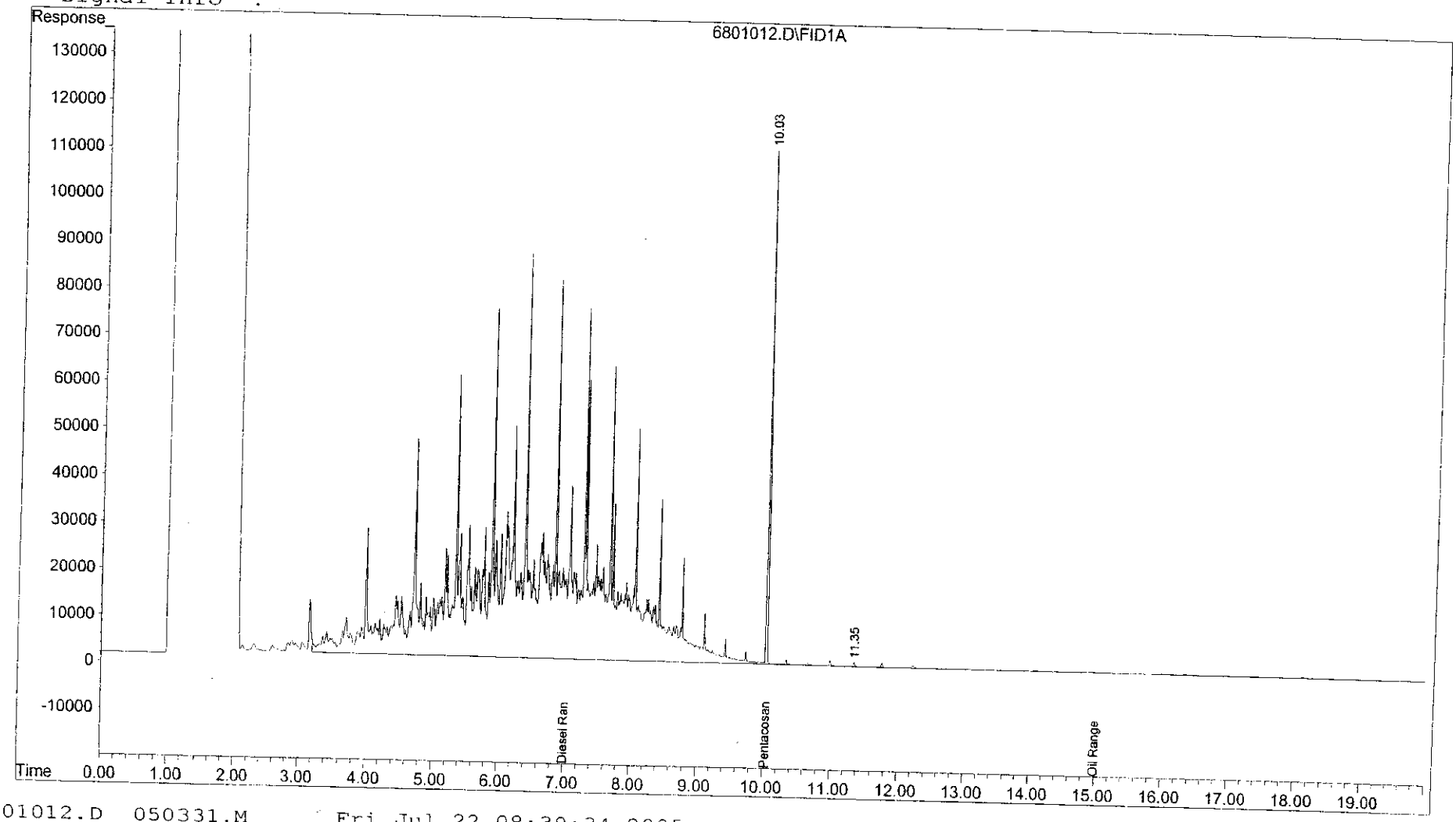
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1151001	28.821 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.28% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	44109938	1082.243 mg/L 108%
3) H Oil Range Organics	15.00	136654	3.353 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\6801012.D Vial: 68
Acq On : 21 Jul 2005 22:38 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:39 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7101015.D Vial: 71
Acq On : 21 Jul 2005 23:55 Operator: KMI
Sample : 0507-0913 Inst : FID3
Misc : Trip Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:39 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

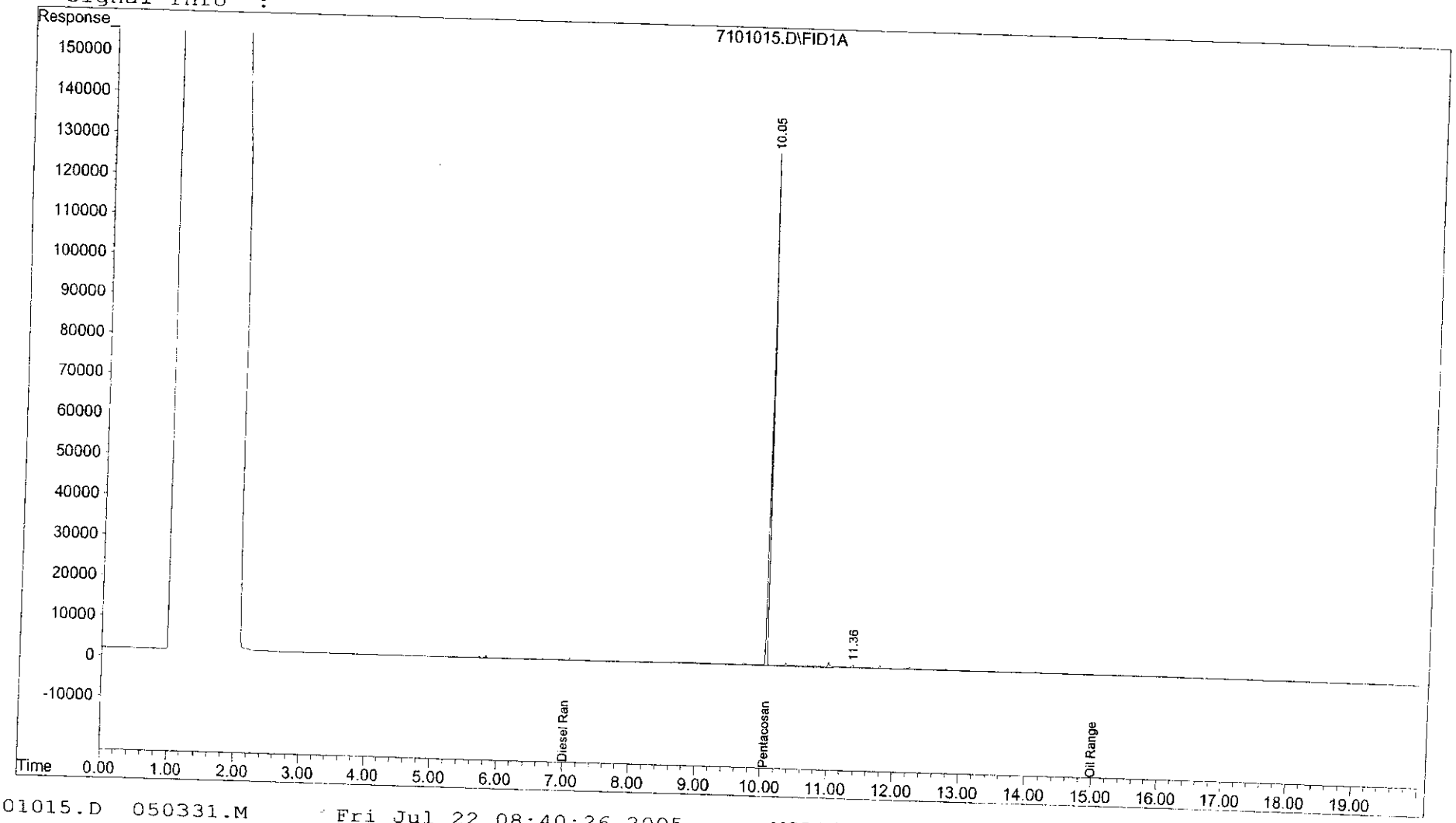
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1348747	33.772 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.09% 135%
Target Compounds			
2) H M Diesel Range Organics	7.00	166271	4.079 mg/L
3) H Oil Range Organics	15.00	95577	2.345 mg/L

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

Da' File : O:\ORGANICS\HPCHEM\FID-003\DATA\0 20\7101015.D Vial: 71
Ac Jn : 21 Jul 2005 23:55
Sample : 0507-0913 Operator: KMI
Misc : Trip Blank Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:39 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7201016.D Vial: 72
Acq On : 22 Jul 2005 00:21 Operator: KMI
Sample : 0507-0914 Inst : FID3
Misc : IW1 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1343371	33.637 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	134.55% 135%
Target Compounds			
2) H M Diesel Range Organics	7.00	3692854	90.605 mg/L 9.1mg/L
3) H Oil Range Organics	15.00	73644	1.807 mg/L

07-22-05

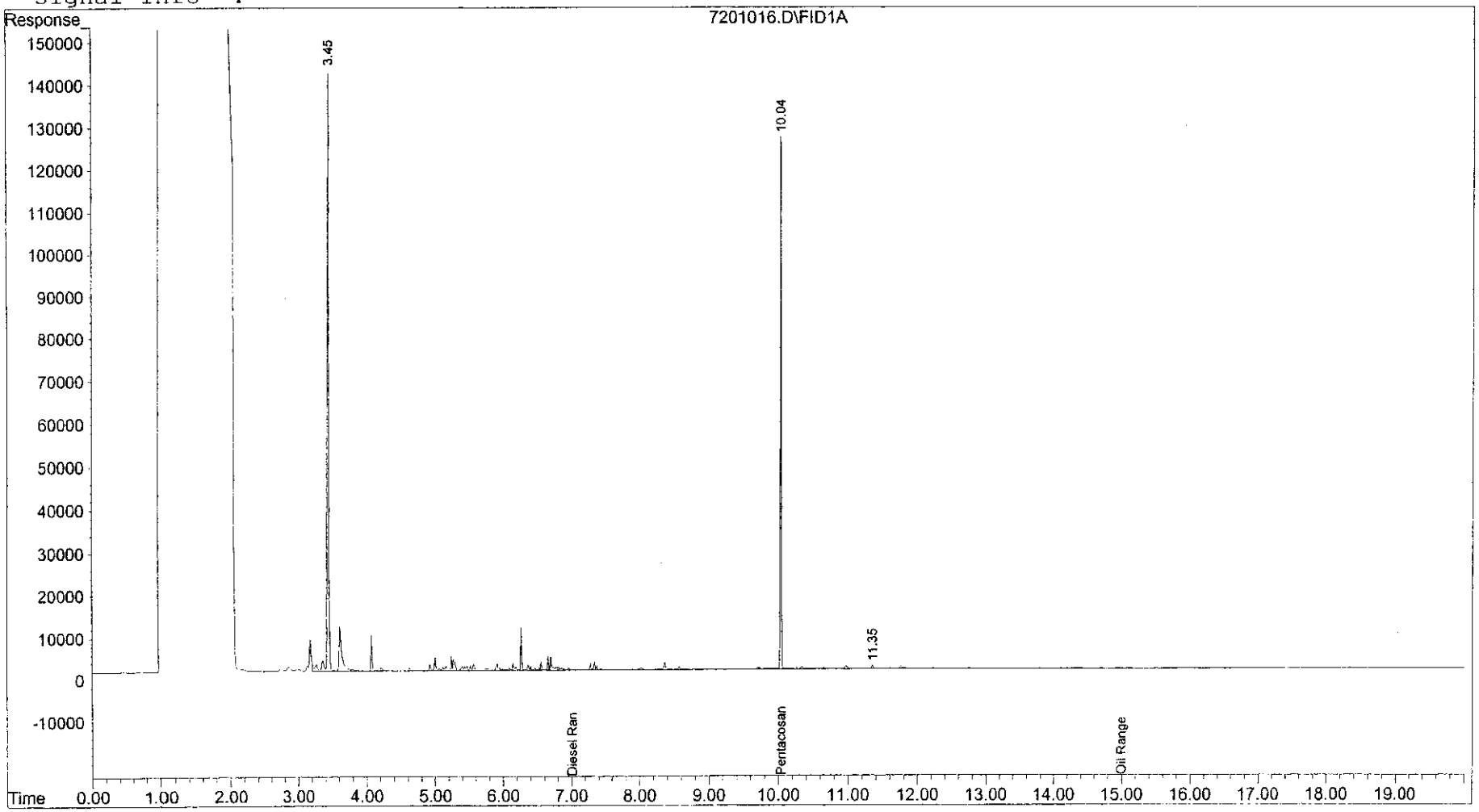
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050 0\7201016.D Vial: 72
Acq On : 22 Jul 2005 00:21 Operator: KMI
Sample : 0507-0914 Inst : FID3
Misc : IW1 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7301017.D Vial: 73
Acq On : 22 Jul 2005 00:46 Operator: KMI
Sample : 0507-0915 Inst : FID3
Misc : IW2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1330593	33.317 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	133.27% 133%
Target Compounds			
2) H M Diesel Range Organics	7.00	2780618	68.223 mg/L 6.8 ~~7.0~~ mg/L
3) H Oil Range Organics	15.00	45145	1.108 mg/L

07-22.

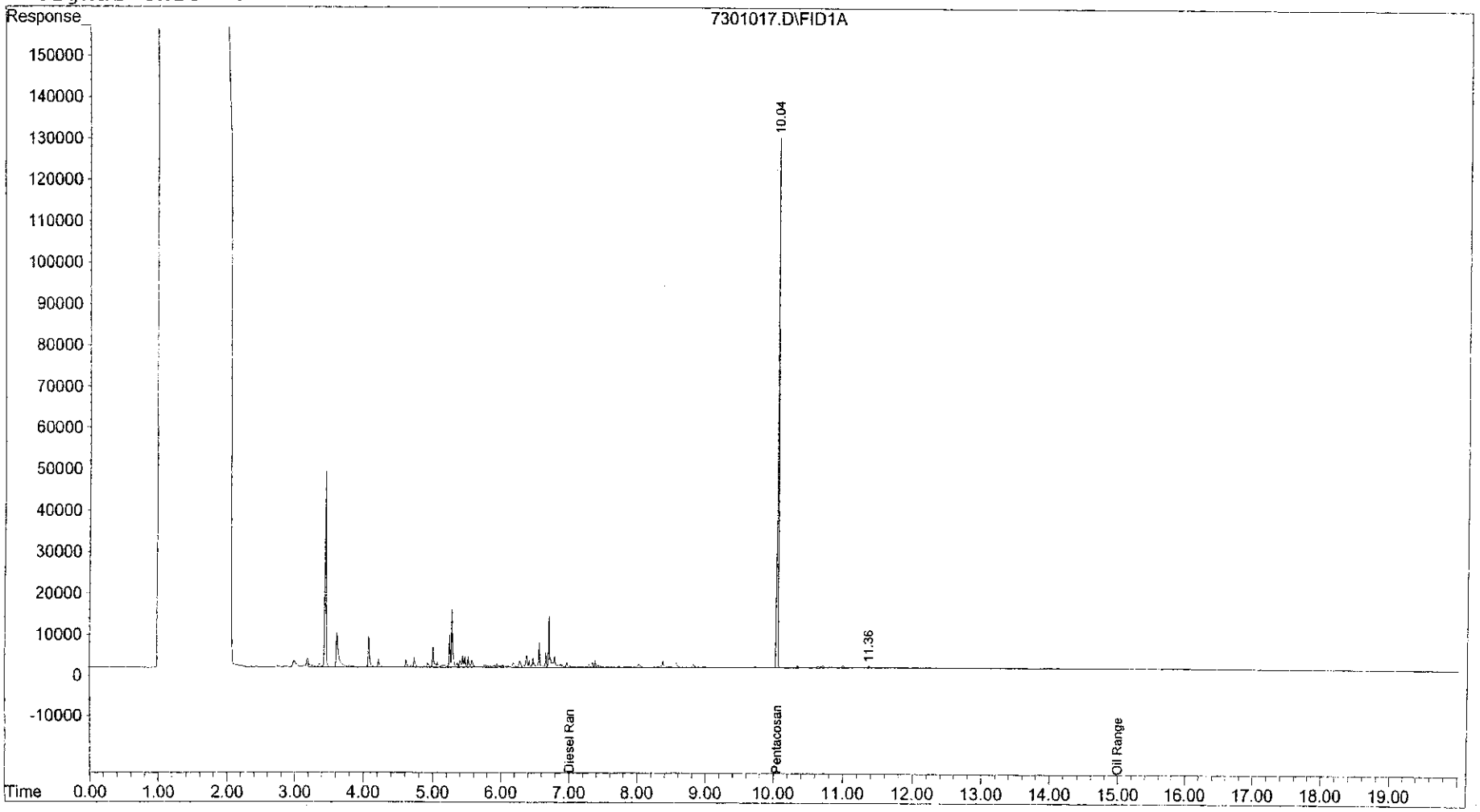
OEE 07-22-05

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050 \7301017.D Vial: 73
Acq On : 22 Jul 2005 00:46 Operator: KMI
Sample : 0507-0915 Inst : FID3
Misc : IW2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7401018.D Vial: 74
Acq On : 22 Jul 2005 1:12
Sample : 0507-0916 Operator: KMI
Misc : Field Blank Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

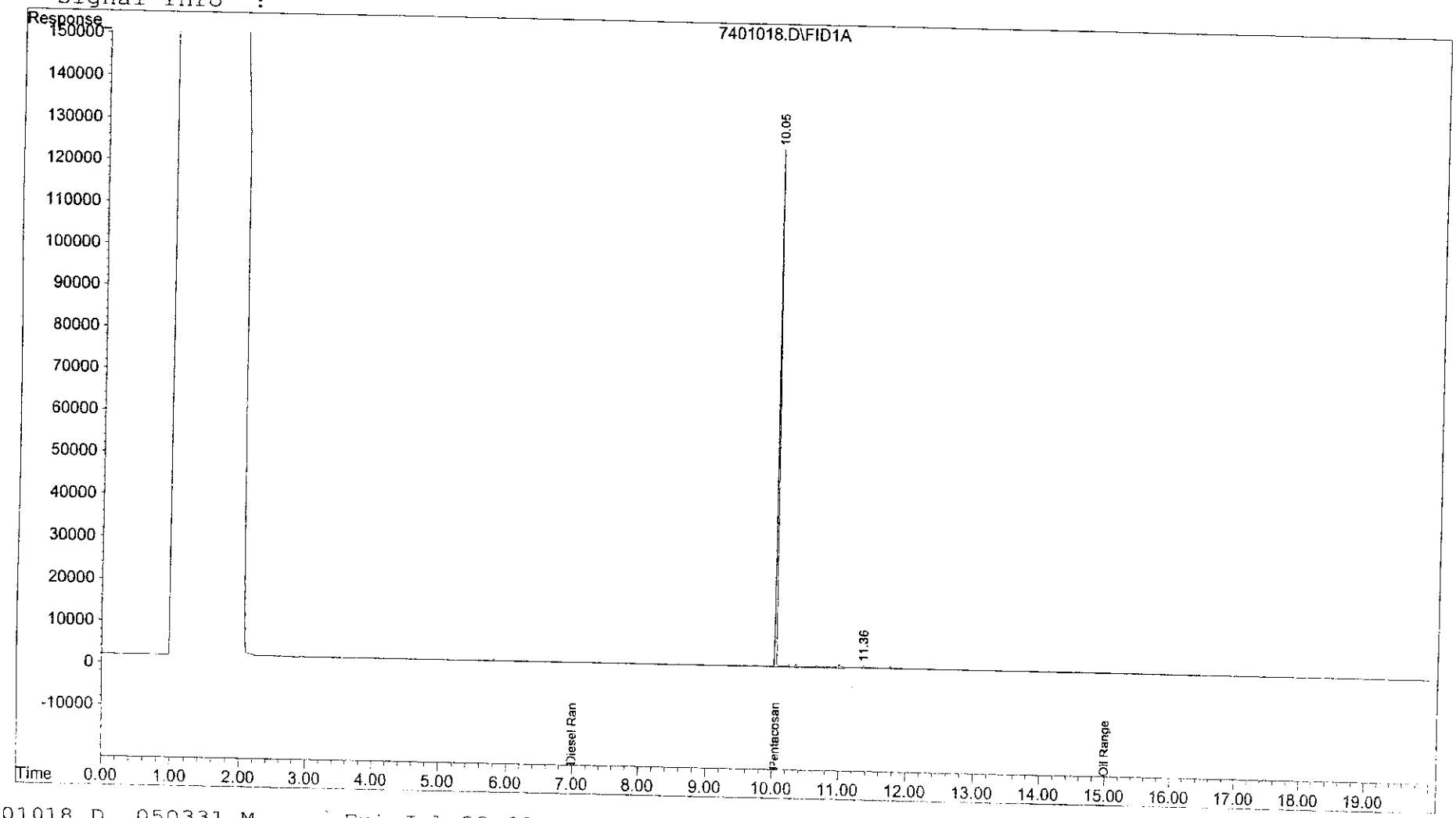
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1300181	32.556 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	130.22% 130%
Target Compounds			
2) H M Diesel Range Organics	7.00	76832	1.885 mg/L
3) H Oil Range Organics	15.00	44805	1.099 mg/L

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

Da File : O:\ORGANICS\HPCHEM\FID-003\DATA\0 '20\7401018.D Vial: 74
Acq On : 22 Jul 2005 1:12 Operator: KMI
Sample : 0507-0916 Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7501019.D Vial: 75
Acq On : 22 Jul 2005 1:37 Operator: KMI
Sample : 0507-0917 Inst : FID3
Misc : IW4 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

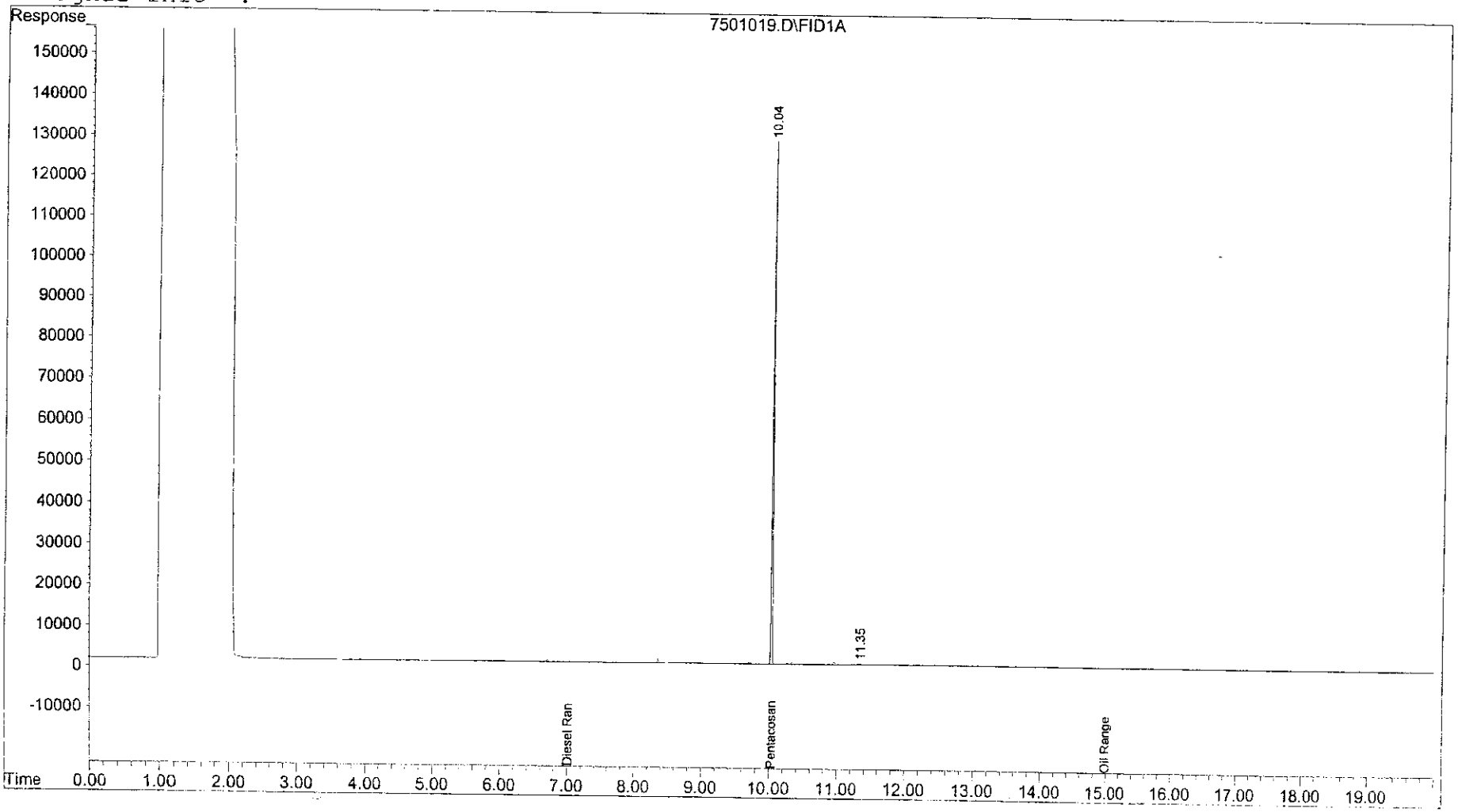
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1350111	33.806 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.22% 135%
Target Compounds			
2) H M Diesel Range Organics	7.00	115286	2.829 mg/L
3) H Oil Range Organics	15.00	19177	0.471 mg/L

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

Dat File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\7501019.D Vial: 75
Acq On : 22 Jul 2005 1:37 Operator: KMI
Sample : 0507-0917 Inst : FID3
Misc : IW4 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:40 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7601020.D Vial: 76
Acq On : 22 Jul 2005 2:03
Sample : 0507-0918 Operator: KMI
Misc : IW4 Dup Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

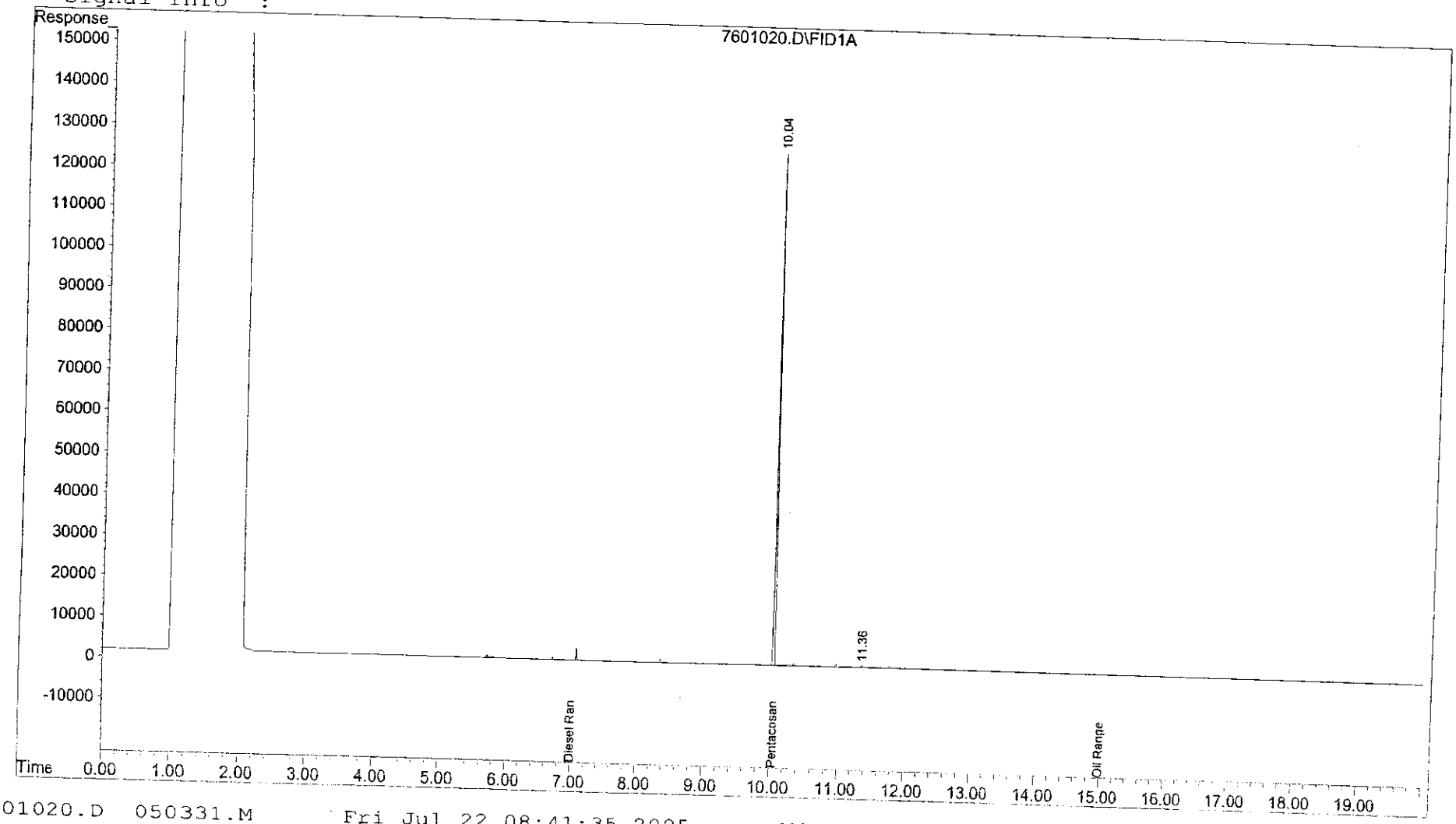
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1343891	33.650 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	134.60% 135%
Target Compounds			
2) H M Diesel Range Organics	7.00	159542	3.914 mg/L
3) H Oil Range Organics	15.00	37749	0.926 mg/L

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

Da' File : O:\ORGANICS\HPCHEM\FID-003\DATA\C 720\7601020.D Vial: 76
Ac Dn : 22 Jul 2005 2:03
Sample : 0507-0918 Operator: KMI
Misc : IW4 Dup Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7701021.D Vial: 77
Acq On : 22 Jul 2005 2:29
Sample : 0507-0919 Operator: KMI
Misc : IW3 Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1362538	34.117 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	136.47% 136%
Target Compounds			
2) H M Diesel Range Organics	7.00	534987	13.126 mg/L 1.3mg/L
3) H Oil Range Organics	15.00	61942	1.520 mg/L

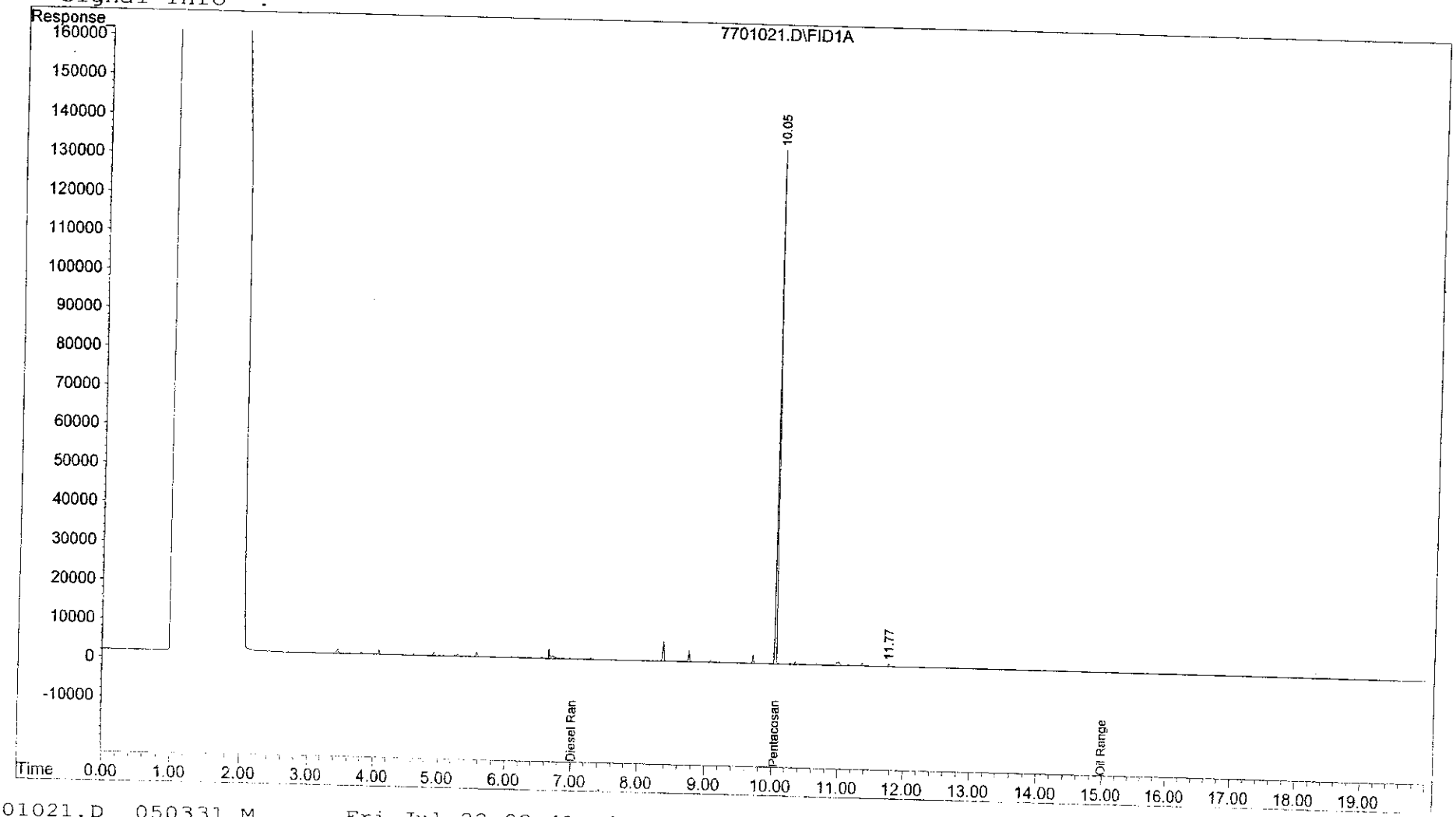
07-22-0

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

Dat File : O:\ORGANICS\HPCHEM\FID-003\DATA\0 20\7701021.D Vial: 77
Acq n : 22 Jul 2005 2:29 Operator: KMI
Sample : 0507-0919 Inst : FID3
Misc : IW3 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7801022.D Vial: 78
Acq On : 22 Jul 2005 2:54 Operator: KMI
Sample : 0507-0920 Inst : FID3
Misc : IW5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1348433	33.764 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.06% 135%
Target Compounds			
2) H M Diesel Range Organics	7.00	634629	15.571 mg/L ~~2.0mg/L~~
3) H Oil Range Organics	15.00	134799	3.307 mg/L

EE 7/21/10

07-22-05

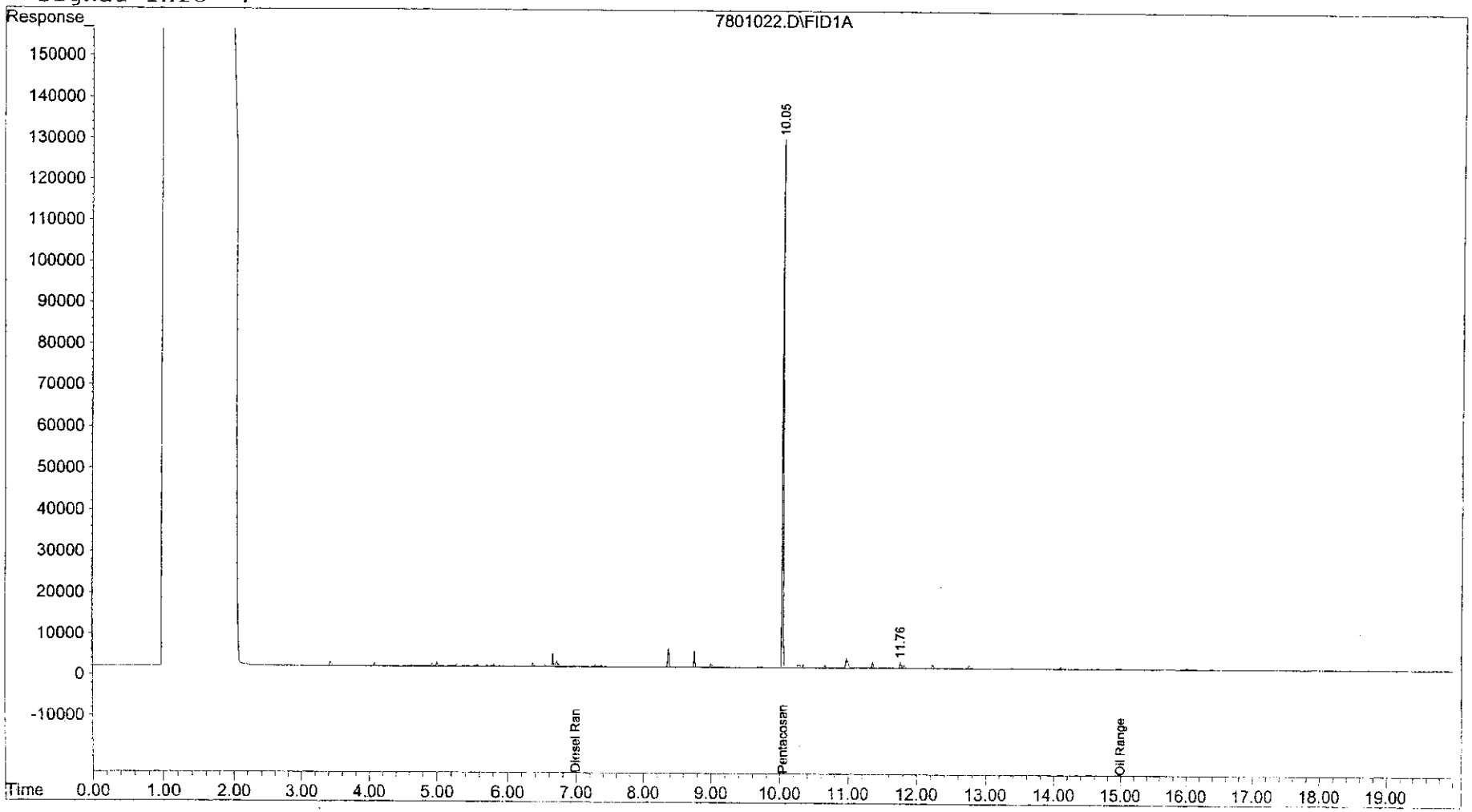
1.0

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\7801022.D Vial: 78
Acq On : 22 Jul 2005 2:54 Operator: KMI
Sample : 0507-0920 Inst : FID3
Misc : IW5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7901023.D Vial: 79
Acq On : 22 Jul 2005 3:20 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1150296	28.803 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.21% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	44272994	1086.243 mg/L 109%
3) H Oil Range Organics	15.00	27447	0.673 mg/L

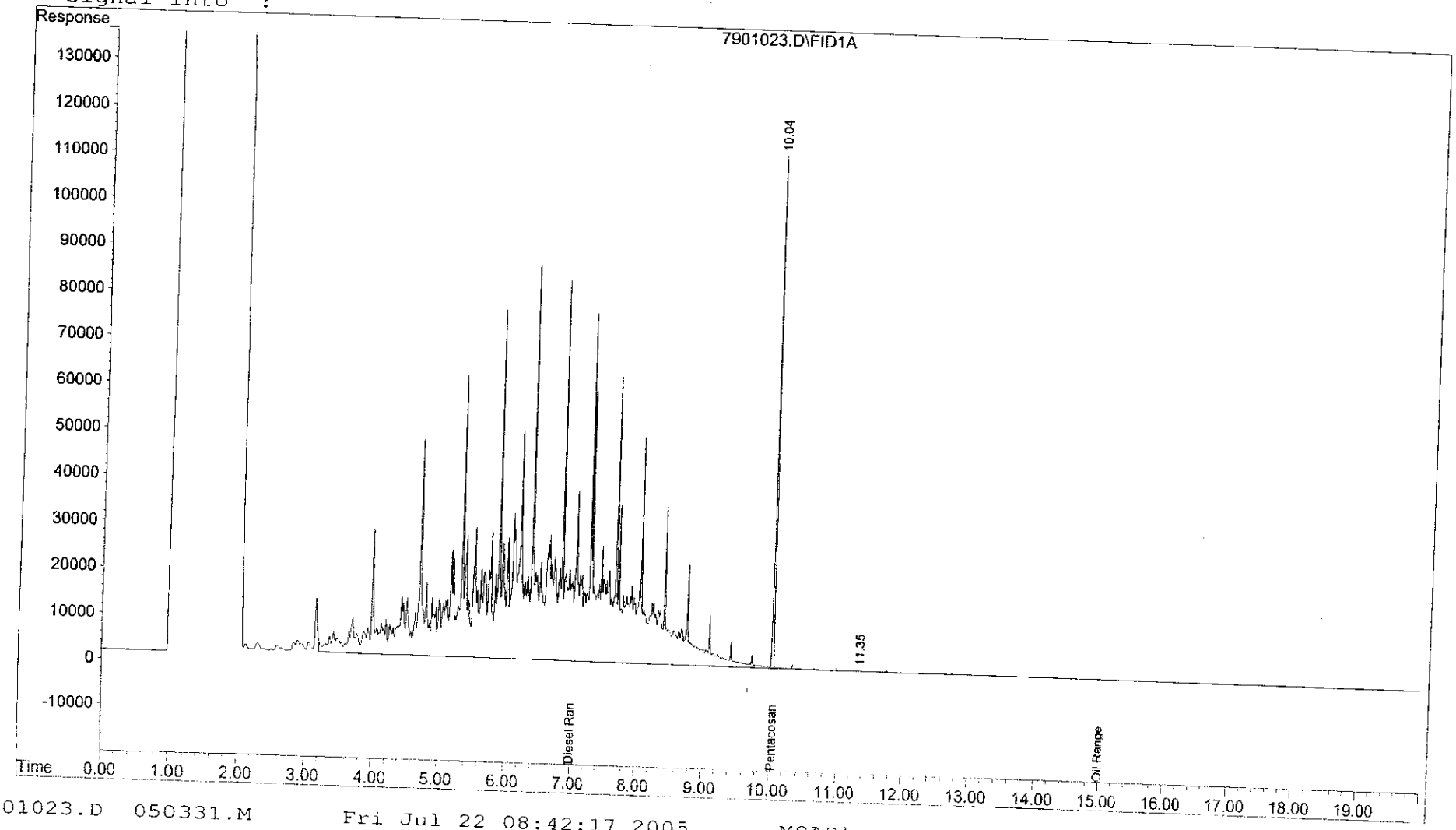
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\ 0720\7901023.D Vial: 79
Acq On : 22 Jul 2005 3:20
Sample : 1000 ccv
Misc :
IntFile : EVENTS.E
Quant Time: Jul 22 9:41 19105 Quant Results File: 050331.RES

Operator: KMI
Inst : FID3
Multiplr: 1.00

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



7901023.D 050331.M Fri Jul 22 08:42:17 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8001024.D Vial: 80
Acq On : 22 Jul 2005 3:46 Operator: KMI
Sample : 0507-0921 Inst : FID3
Misc : OW1 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1377304	34.487 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	137.95% 138%
Target Compounds			
2) H M Diesel Range Organics	7.00	297709	7.304 mg/L 0.73mg/L
3) H Oil Range Organics	15.00	58709	1.440 mg/L

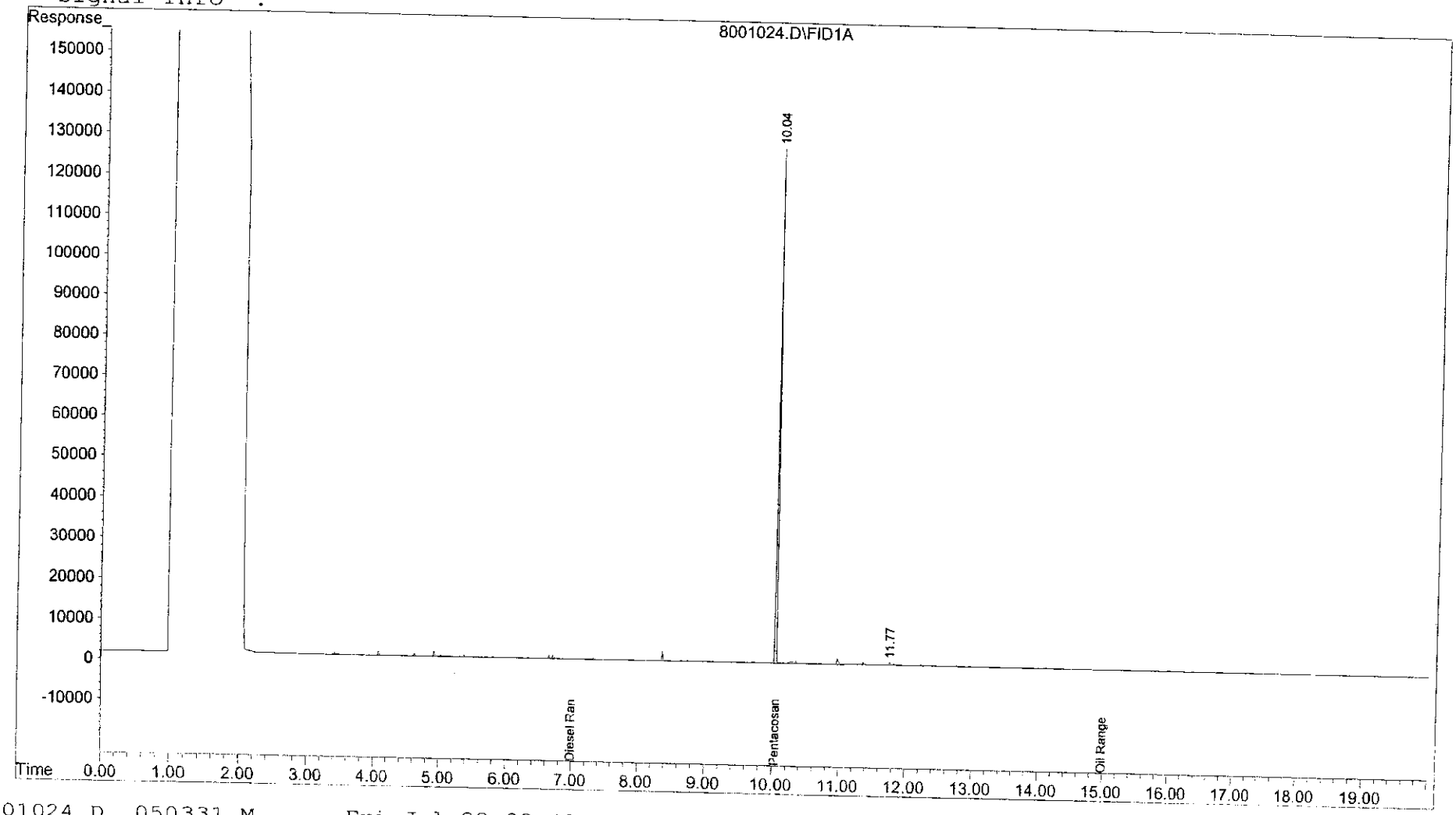
JR 07-22-05

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

Da File : O:\ORGANICS\HPCHEM\FID-003\DATA\(720\8001024.D Vial: 80
Ac On : 22 Jul 2005 3:46 Operator: KMI
Sample : 0507-0921 Inst : FID3
Misc : OW1 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8101025.D Vial: 81
Acq On : 22 Jul 2005 4:11 Operator: KMI
Sample : 0507-0922 Inst : FID3
Misc : OW2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1348496	33.766 mg/L 135%
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.06%
Target Compounds			
2) H M Diesel Range Organics	7.00	6087882	149.367 mg/L 15.0 mg/L
3) H Oil Range Organics	15.00	28242	0.693 mg/L

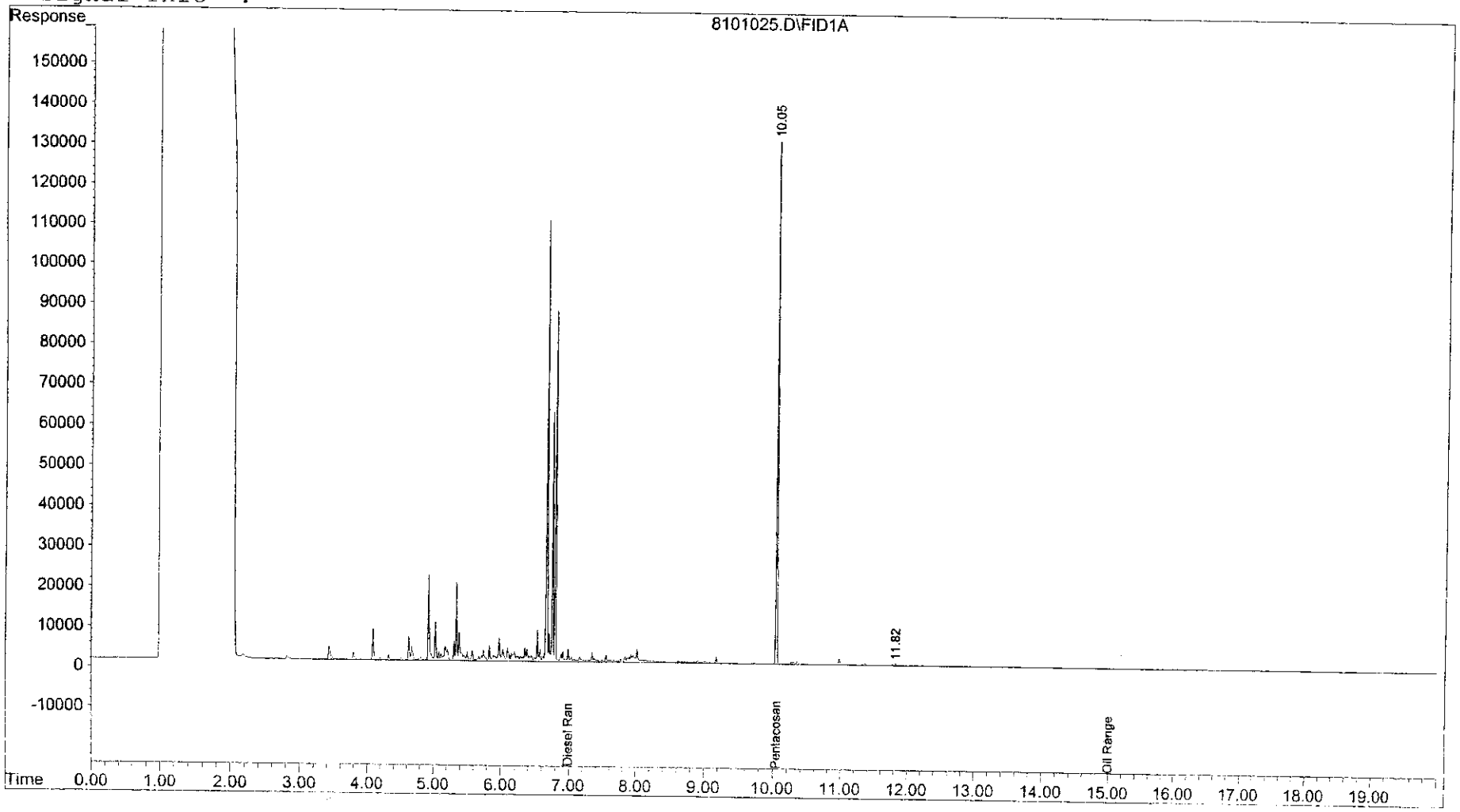
07-22-05

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

Dat. File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\8101025.D Vial: 81
Acq On : 22 Jul 2005 4:11 Operator: KMI
Sample : 0507-0922 Inst : FID3
Misc : OW2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8201026.D Vial: 82
Acq On : 22 Jul 2005 4:37 Operator: KMI
Sample : 0507-0923 Inst : FID3
Misc : OW3 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1391548	34.844 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	139.38% 139%
Target Compounds			
2) H M Diesel Range Organics	7.00	289109	7.093 mg/L 0.7 mg/L
3) H Oil Range Organics	15.00	45966	1.128 mg/L

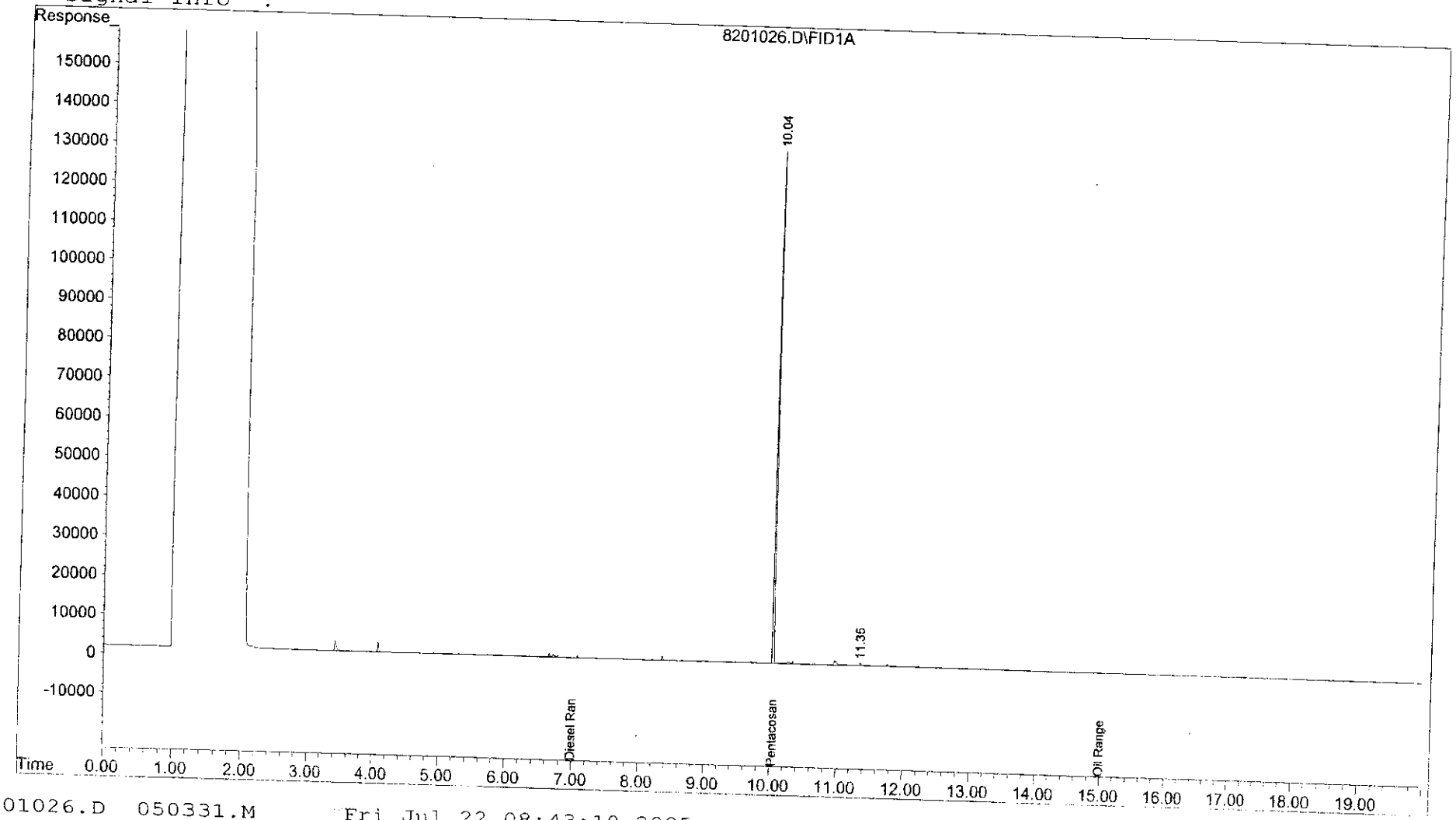
07-22-05

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

Da' File : O:\ORGANICS\HPCHEM\FID-003\DATA\0 '20\8201026.D Vial: 82
Ac\ on : 22 Jul 2005 4:37
Sample : 0507-0923 Operator: KMI
Misc : OW3 Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



8201026.D 050331.M Fri Jul 22 08:43:10 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8301027.D Vial: 83
Acq On : 22 Jul 2005 5:02
Sample : 0507-0924 Operator: KMI
Misc : OW4 Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1367129	34.232 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	136.93% 137%
Target Compounds			
2) H M Diesel Range Organics	7.00	10262220	251.785 mg/L 25 mg/L
3) H Oil Range Organics	15.00	27297	0.670 mg/L

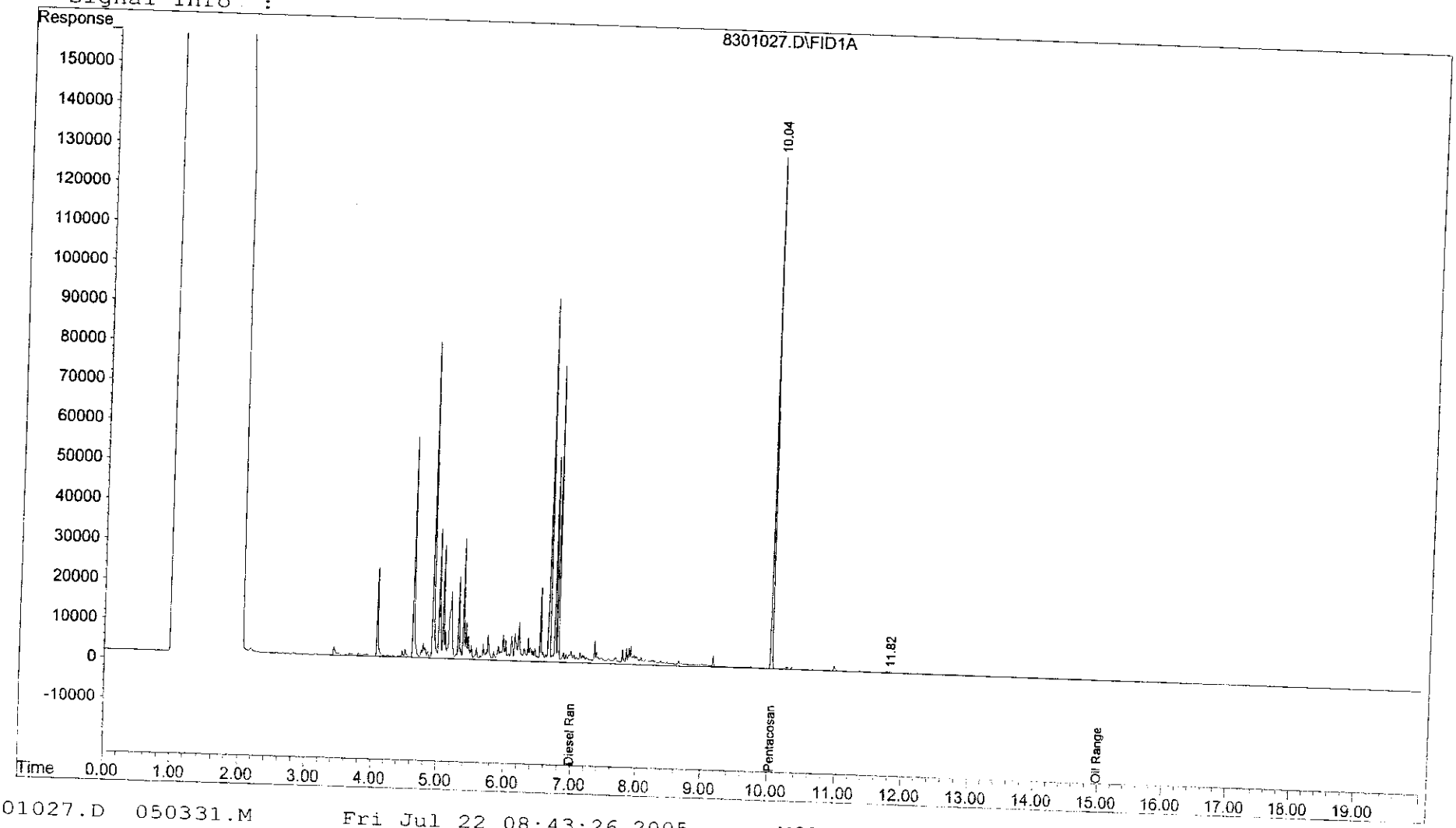
PE 07-22-05

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\0' '20\8301027.D Vial: 83
Acq On : 22 Jul 2005 5:02
Sample : 0507-0924 Operator: KMI
Misc : OW4 Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:42 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



8301027.D 050331.M Fri Jul 22 08:43:26 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8401028.D Vial: 84
Acq On : 22 Jul 2005 5:28 Operator: KMI
Sample : 0507-0925 Inst : FID3
Misc : OW5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1353551	33.892 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.57% 136%
Target Compounds			
2) H M Diesel Range Organics	7.00	5914834	145.121 mg/L 15 mg/L
3) H Oil Range Organics	15.00	47901	1.175 mg/L

07-22-05

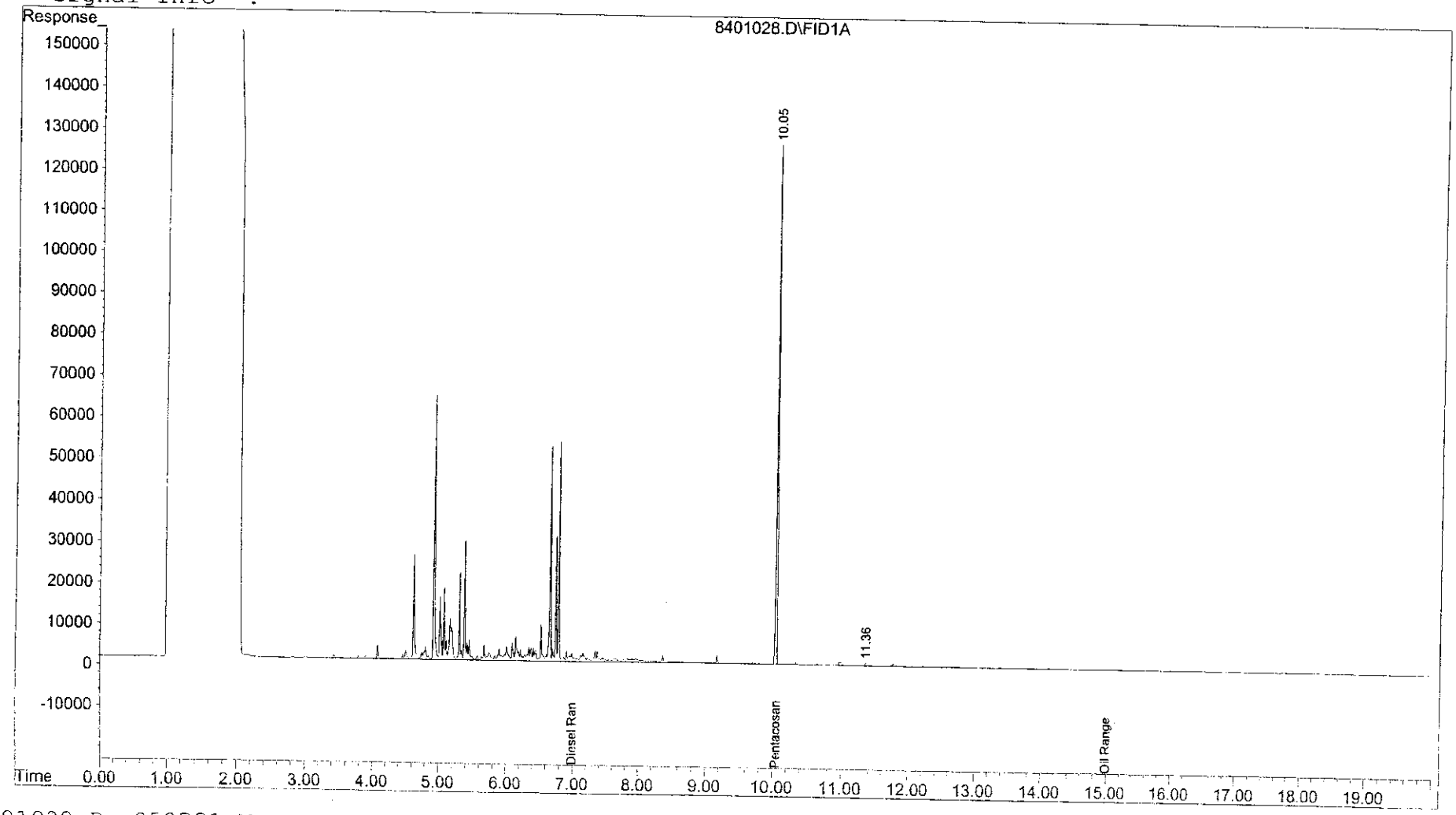
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Dat File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\8401028.D Vial: 84
Acq On : 22 Jul 2005 5:28 Operator: KMI
Sample : 0507-0925 Inst : FID3
Misc : OW5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8501029.D Vial: 85
Acq On : 22 Jul 2005 5:54 Operator: KMI
Sample : 0507-0926 Inst : FID3
Misc : OW5 Dup Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1355985	33.953 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	135.81% 136%
Target Compounds			
2) H M Diesel Range Organics	7.00	5962102	146.281 mg/L 15 mg/L
3) H Oil Range Organics	15.00	21517	0.528 mg/L

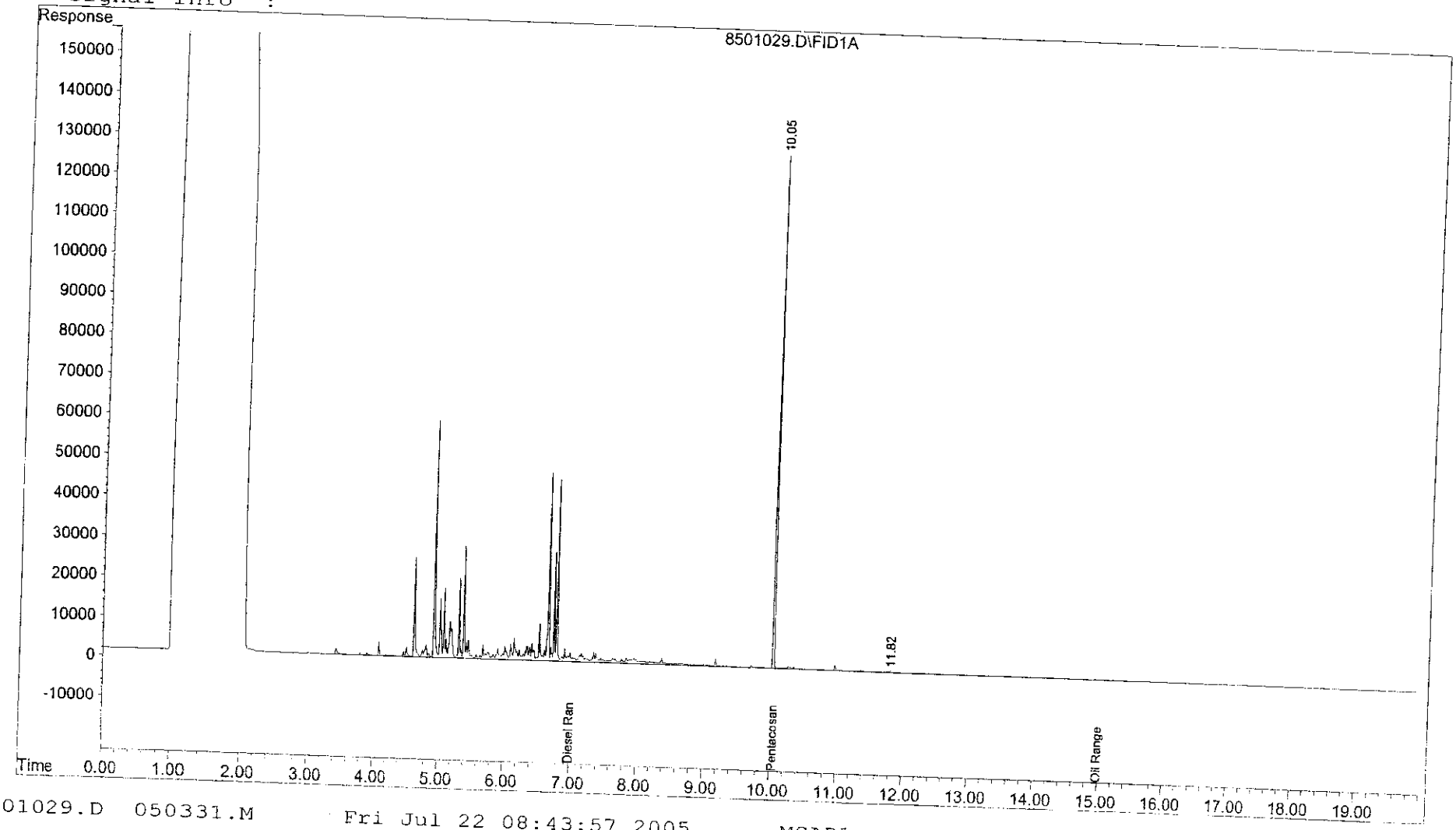
07-22-05

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\ )720\8501029.D Vial: 85
A On : 22 Jul 2005 5:54
Sample : 0507-0926 Operator: KMI
Misc : OW5 Dup Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8601030.D Vial: 86
Acq On : 22 Jul 2005 6:19
Sample : 0507-0927 Operator: KMI
Misc : Field Blank Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1360719	34.072 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	136.29% 136%
Target Compounds			
2) H M Diesel Range Organics	7.00	91787	2.252 mg/L
3) H Oil Range Organics	15.00	75391	1.850 mg/L

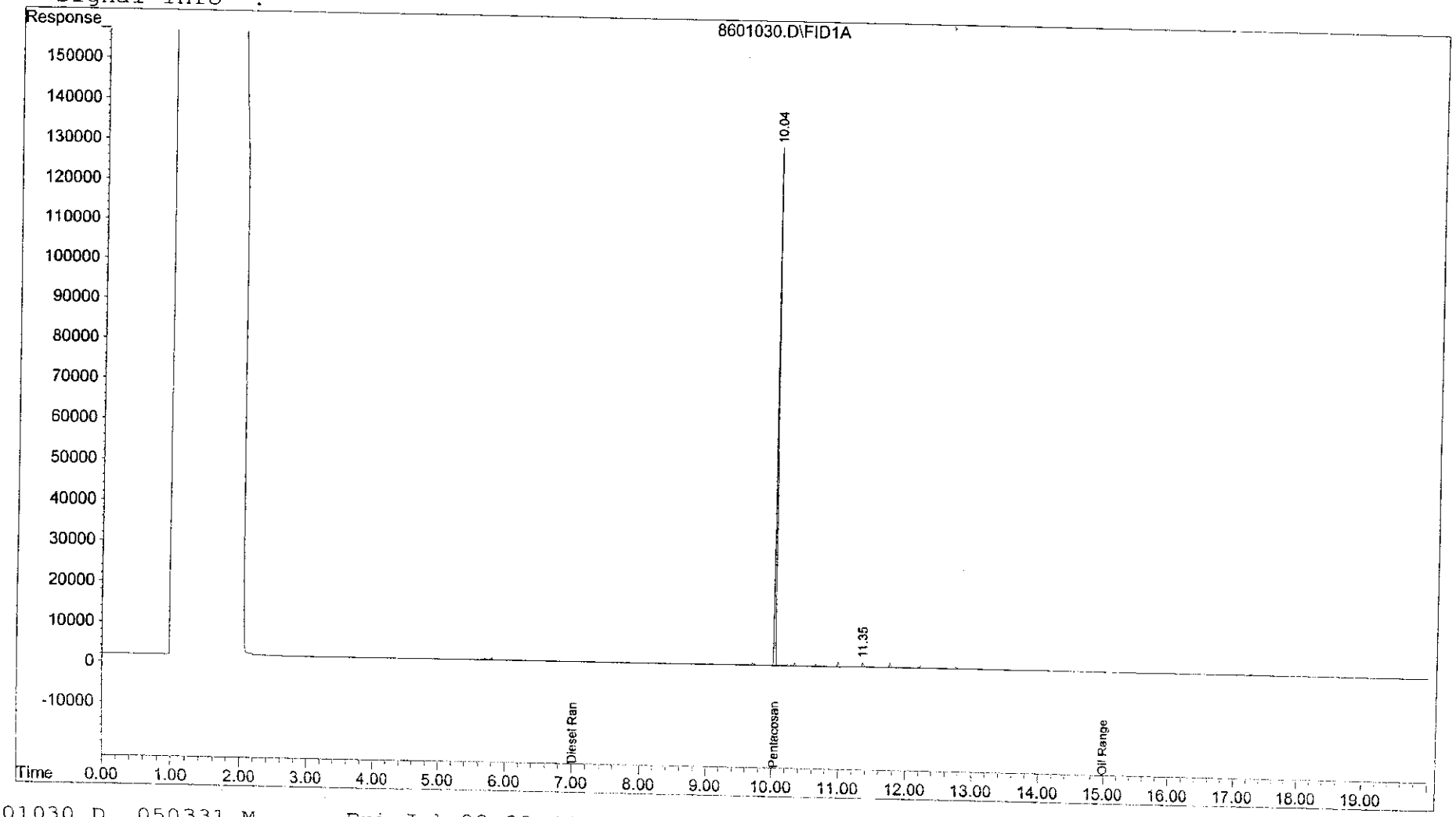
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Da File : O:\ORGANICS\HPCHEM\FID-003\DATA\0 /20\8601030.D Vial: 86
Acq On : 22 Jul 2005 6:19 Operator: KMI
Sample : 0507-0927 Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8701031.D Vial: 87
Acq On : 22 Jul 2005 6:45 Operator: KMI
Sample : 0507-0927 ms Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

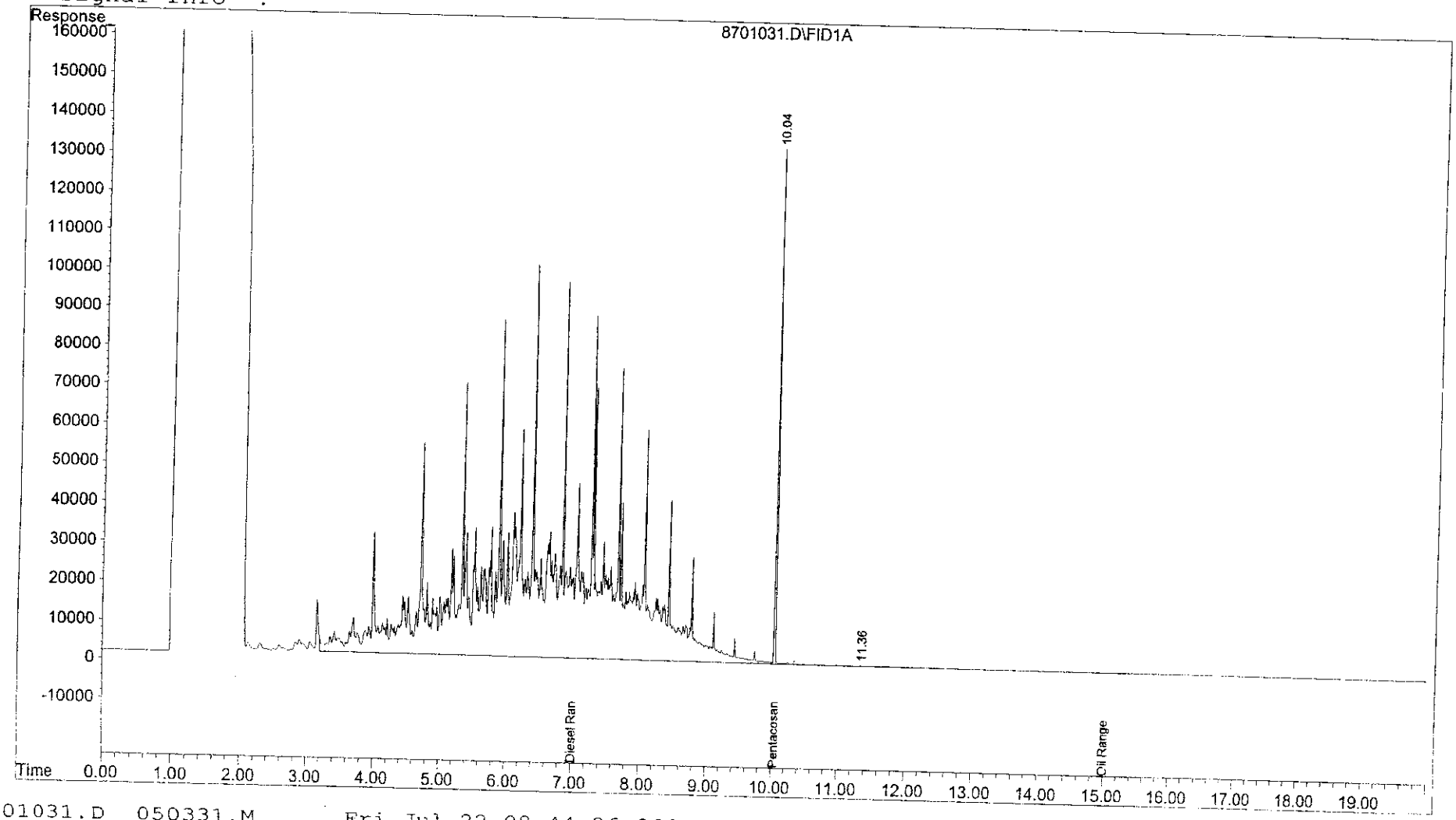
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1413958	35.405 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	141.62% 142%
Target Compounds			
2) H M Diesel Range Organics	7.00	52365043	1284.783 mg/L 128%
3) H Oil Range Organics	15.00	18210	0.447 mg/L

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

D: File : O:\ORGANICS\HPCHEM\FID-003\DATA\ 720\8701031.D Vial: 87
Ac On : 22 Jul 2005 6:45 Operator: KMI
Sample : 0507-0927 ms Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:43 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8801032.D Vial: 88
Acq On : 22 Jul 2005 7:11
Sample : 0507-0927 msd
Misc : Field Blank
IntFile : EVENTS.E
Quant Time: Jul 22 9:44 19105 Quant Results File: 050331.RES

Operator: KMI
Inst : FID3
Multiplr: 1.00

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

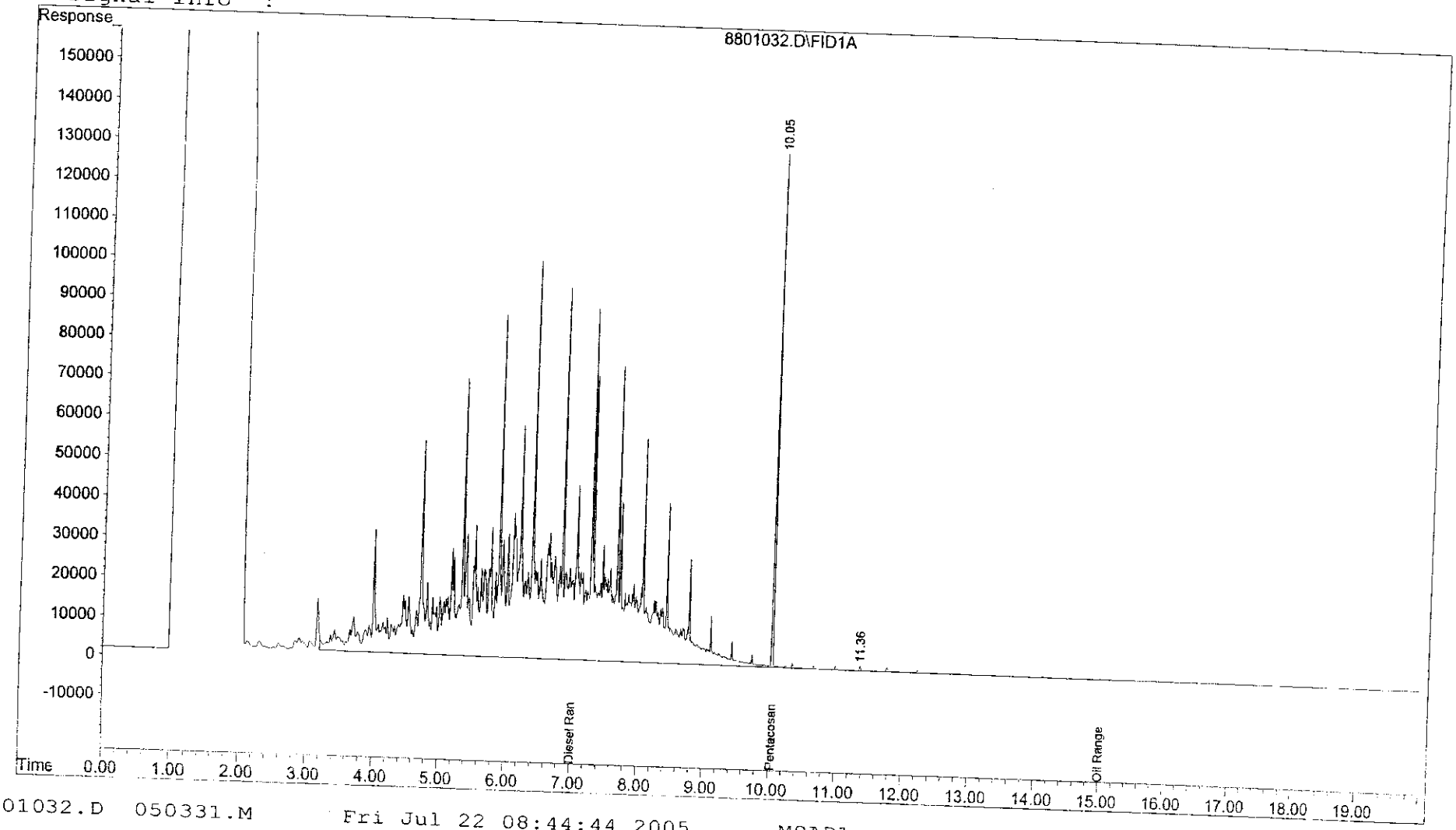
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1365863	34.201 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	136.80% 137%
Target Compounds			
2) H M Diesel Range Organics	7.00	51588243	1265.724 mg/L 127%
3) H Oil Range Organics	15.00	69688	1.710 mg/L

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

D a File : O:\ORGANICS\HPCHEM\FID-003\DATA\ )720\8801032.D Vial: 88
A On : 22 Jul 2005 7:11
Sample : 0507-0927 msd Operator: KMI
Misc : Field Blank Inst : FID3
IntFile : EVENTS.E Multiplr: 1.00
Quant Time: Jul 22 9:44 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



8801032.D 050331.M Fri Jul 22 08:44:44 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\9001034.D Vial: 90
Acq On : 22 Jul 2005 8:02 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:45 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Int
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1131525	28.333 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	113.33% 113%
Target Compounds			
2) H M Diesel Range Organics	7.00	43583872	1069.336 mg/L 107%
3) H Oil Range Organics	15.00	41734	1.024 mg/L

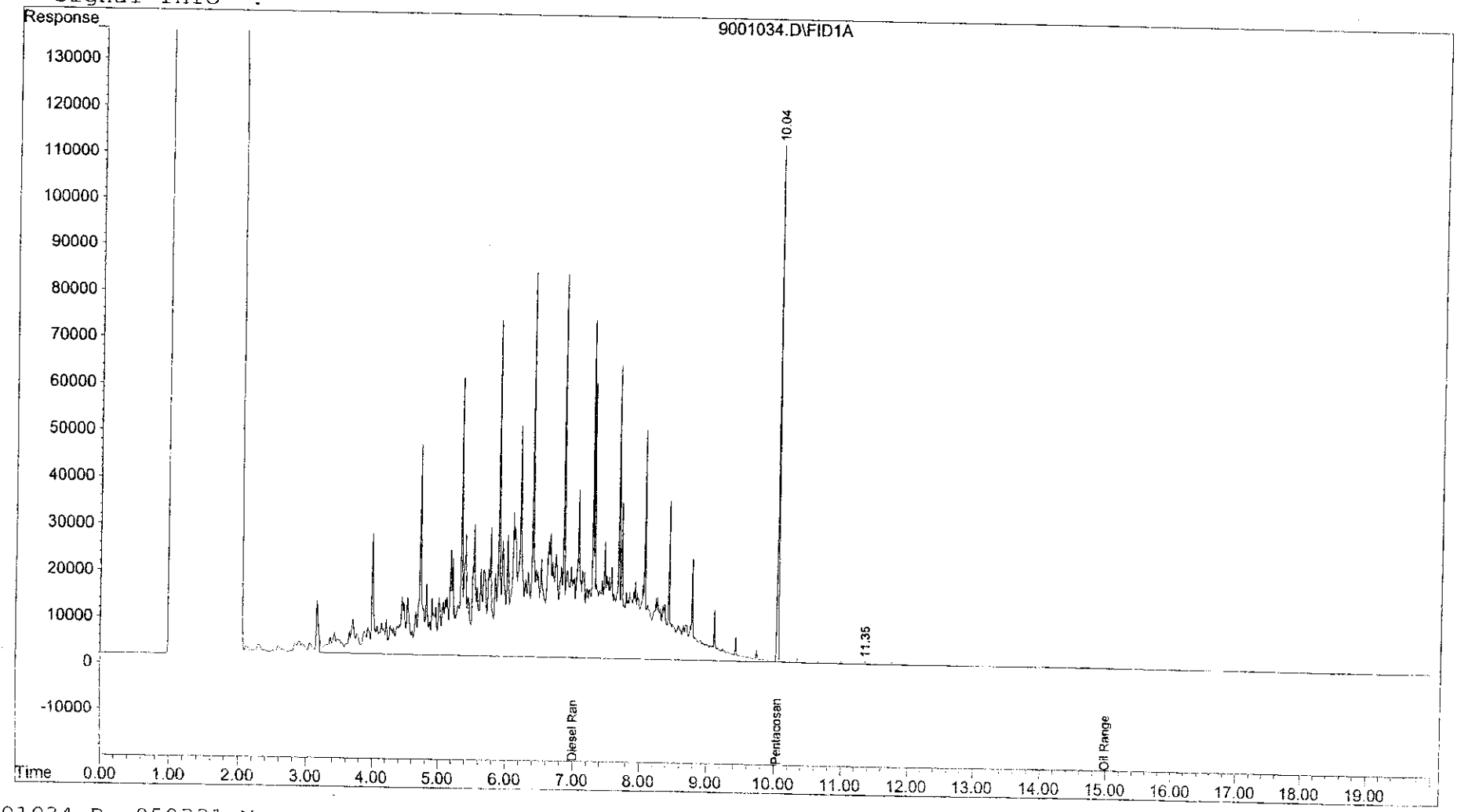
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Dat File : O:\ORGANICS\HPCHEM\FID-003\DATA\05 20\9001034.D Vial: 90
Acq On : 22 Jul 2005 8:02 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:45 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Multiple Level Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :



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CHAIN OF CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurate

Page: 1 of 2

831648

Required Client Information: Section A

Company: On-Site Env.
Address:
Phone: 278-0563 Fax: 278-0560

Required Client Information: Section B

Report To: On-Site Env.
Copy To:
Invoice To: On-Site Env.
P.O.:
Project Name: CORCO
Project Number:

Client Information (Check quote/contract):
Requested Due Date: *TAT: Normal

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client: Section C

Quote Reference:
Project Manager:
Project #: 05-1740
Profile #: 01023945

Section D — Required Client Information:

Valid Matrix Codes: MATRIX / CODE — WATER WT, SOIL SL, OIL OL, WIPE WP, AIR AR, TISSUE TS, OTHER OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh: mm a/p	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: 8011 DRV	8011 GRD	8011 ORD	BTEX-8021	Remarks / Lab ID
1	TRIP BLANK	WT	7/18/05	1:30 PM	3									X	X	X	X	0507-0913
2	IW1	WT	7/18/05	3:20	3									X	X	X	X	0914
3	IW2	WT	7/18/05	3:45	3									X	X	X	X	0915
4	FIELD BLANK	WT	7/18/05	4:00	3									X	X	X	X	0916
5	IW4	WT	7/18/05	4:15	3									X	X	X	X	0917
6	IW4 DUP	WT	7/18/05	—	3									X	X	X	X	0918
7	IW3	WT	7/19/05	12:45	3									X	X	X	X	0919
8	IW5	WT	7/19/05	1:15	3									X	X	X	X	0920
9	OW1	WT	7/19/05	1:40	3									X	X	X	X	0921
10	OW2	WT	7/19/05	2:00	3									X	X	X	X	0922
11	OW3	WT	7/19/05	2:15	3									X	X	X	X	0923
12	OW4	WT	7/19/05	2:30	3									X	X	X	X	0924

SITE LOCATION: ☐ NC ☐ SC ☐ GA ☐ Other ____

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other ____

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	7/19/05	3:15	[signature]	7/19/05	3:15
			[signature]	7/19/05	16:20

SAMPLE CONDITION

Temp in °C	3°C
Received on Ice	(Y)/N
Sealed Cooler	Y/(N)
Samples Intact	(Y)/N

SAMPLE NOTES

Additional Comments:

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: RICARDO OLIVER
SIGNATURE of SAMPLER: [signature]
DATE Signed: (MM / DD / YY) 7/19/05

SEE REVERSE SIDE FOR INSTRUCTIONS

Form COC01 Rev. 0903

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CHAIN OF CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accur

Page: 2 of 2

831647

Required Client Information: **Section A**

Company: On-Site Env.
Address:
Phone: 278-0563
Fax: 278-0560

Required Client Information: **Section B**

Report To: On-Site Env.
Copy To:
Invoice To:
P.O.
Project Name: CORCO
Project Number:

Client Information (Check quote/contract):
Requested Due Date:
*TAT: Normal

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client **Section C**

Quote Reference:
Project Manager:
Project #: 05-1742
Profile #: 00023445

Section D **Required** Client Information:

SAMPLE ID
One character per box.
(A–Z, 0–9 / .–)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

Requested Analysis:

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	TPH GRU-8015	TPH DRU-8015	TPH ORU-8015	BTEX-8021	Remarks / Lab ID
1	OW5	WT	7/19/05	2:45	3									X	X	X	X	0507 – 0925
2	OW5 DUP	WT	7/19/05	2:45	3									X	X	X	X	0926
3	FIELD BLANK 2	WT	7/19/05	3:00 pm	3									X	X	X	X	0927
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

SITE LOCATION
☐ NC ☐ SC ☐ GA
☐ Other

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	7/19/05	3:15	[signature]	7/19/05	3:15
			[signature]	7/19/5	16:20

SAMPLE CONDITION

Temp in °C	3°C
Received on Ice	Y/N
Sealed Cooler	Y/N
Samples Intact	Y/N

SAMPLE NOTES

Additional Comments:

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: RICARDO OLIVER
SIGNATURE of SAMPLER: [signature]
DATE Signed: (MM / DD / YY) 7/19/05

SEE REVERSE SIDE FOR INSTRUCTIONS

Form COC01 Rev. 090