Main site

AGES

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Results of a Site Assessment Program for Environmental Indicators
Commonwealth Oil Refining Company, Inc.
Peñuelas, Puerto Rico
EPA ID No.: PRD091017228

RESULTS OF A SITE ASSESSMENT PROGRAM FOR ENVIRONMENTAL INDICATORS MAIN SITE COMMONWEALTH OIL REFINING COMPANY, INC. PEÑUELAS, PUERTO RICO EPA ID No.: PRD091017228

SUBMITTED TO:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
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SEPTEMBER 8, 2005

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9/22/05
Date

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9/22/05
Date

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RESULTS OF A SITE ASSESSMENT PROGRAM FOR ENVIRONMENTAL INDICATORS/MAIN SITE COMMONWEALTH OIL REFINING COMPANY, INC. PEÑUELAS, PUERTO RICO/EPA ID No.: PRD091017228

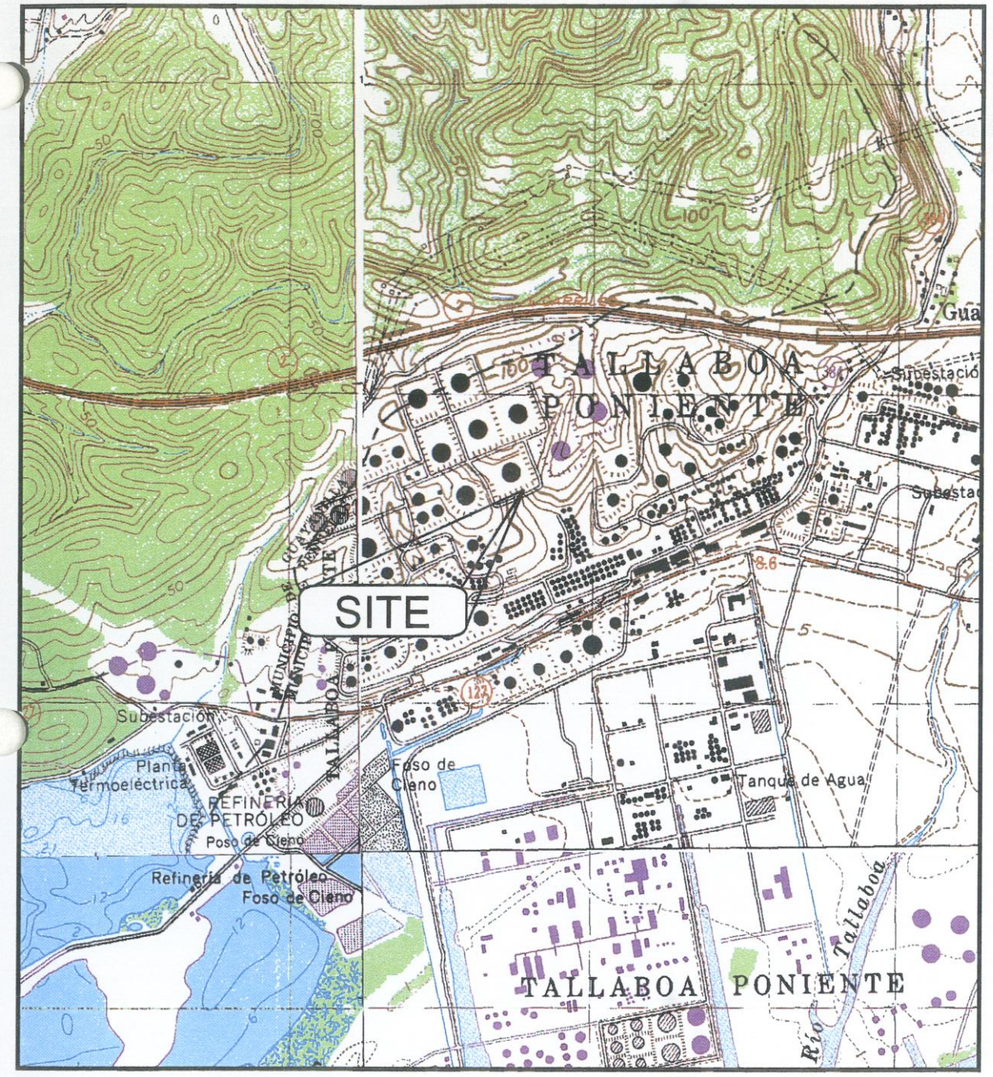
1.0 INTRODUCTION

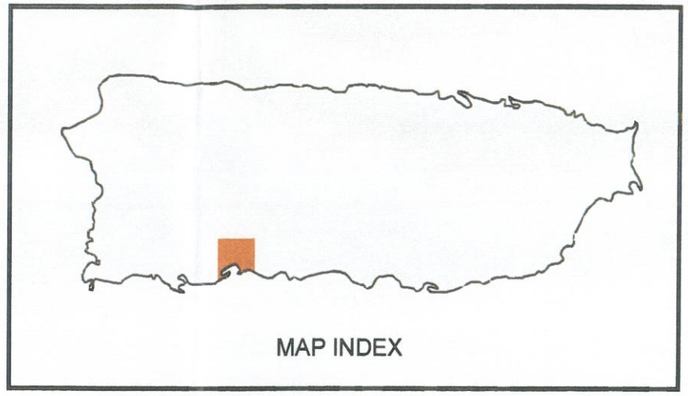
This report presents the results of a Site Assessment Program for Environmental Indicators completed by Applied Geosciences and Environmental Services Inc. (AGES). AGES is a multidisciplinary environmental consulting firm located in Dorado, Puerto Rico. The assessment was conducted at a Commonwealth Oil Refining Company, Inc. (CORCO) facility located at State Road PR-127, Kilometer 17.3, in the Municipality of Peñuelas, Puerto Rico. This report documents work conducted at the **MAIN SITE**. **Figure 1** illustrates the site location on the topographic map of the Peñuelas and Yauco Quadrangles. Data collection procedures employed during the course of the program are presented in this report, as are methods and rationale for chemical analyses of ground-water samples.

The objective of this assessment was to determine the completion of any human exposure pathways of petroleum hydrocarbon compounds through ground water. Petroleum hydrocarbon compounds have been determined to be the chemicals of concern by comprehensive analyses conducted in the past by CORCO and accorded to by the U.S. Environmental Protection Agency (EPA). Therefore, chemical analyses of ground-water samples were limited to these parameters.

1.1 SITE DESCRIPTION

The **MAIN SITE** is the central core of the CORCO facility. The **MAIN SITE** Complex southern boundaries are located immediately north of State Road PR #127. Near the southwest boundary are the South Pearl and Union Carbide





QUADRANGLES:
YAUCO, PEÑUELAS, PUNTA VERRACO AND PUNTA CUCHARA

LATITUDE: 18°00'39"
LONGITUDE: 66°44'54"

SCALE

1/2 0 1 (MILE)

1000 0 1000 2000 3000 4000 5000 6000 7000 (FEET)

1 1/2 0 1 (KILOMETER)

NORTH

CLIENT: CORCO

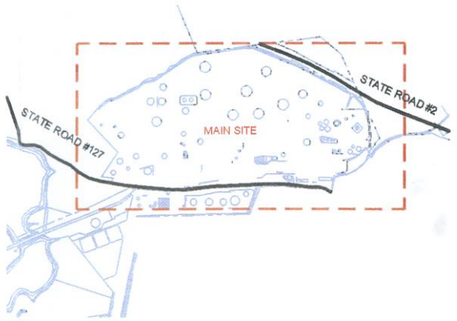
LOCATION: STATE ROAD #127
GUAYANILLA, PUERTO RICO

PROJECT: ENVIRONMENTAL INDICATORS

LOCATION MAP

DATE: 09/08/05	FIGURE: 1
DRAWN BY: N.VALES	PROJECT NO.: 05-333-01
APPROVED BY: L. FIGUEROA	FILE: CORCO.DWG

SITE



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facilities. The west boundary is the Shell Chemical facility and the Puerto Rico Electric Power Authority (PREPA) facility. Forming the eastern boundary of the CORCO facility is State Road PR-384 and to the north is State Road PR-2. The facility was formerly an oil refining plant and is presently operated as a distribution and storage facility for petroleum hydrocarbon compounds. The Main Site Complex consists of multiple buildings and warehouses, maintenance/utility areas, fire pump houses, fuel storage tanks, environmental operations area, tank farm and a drum storage building. The site is illustrated in **Figure 2.**

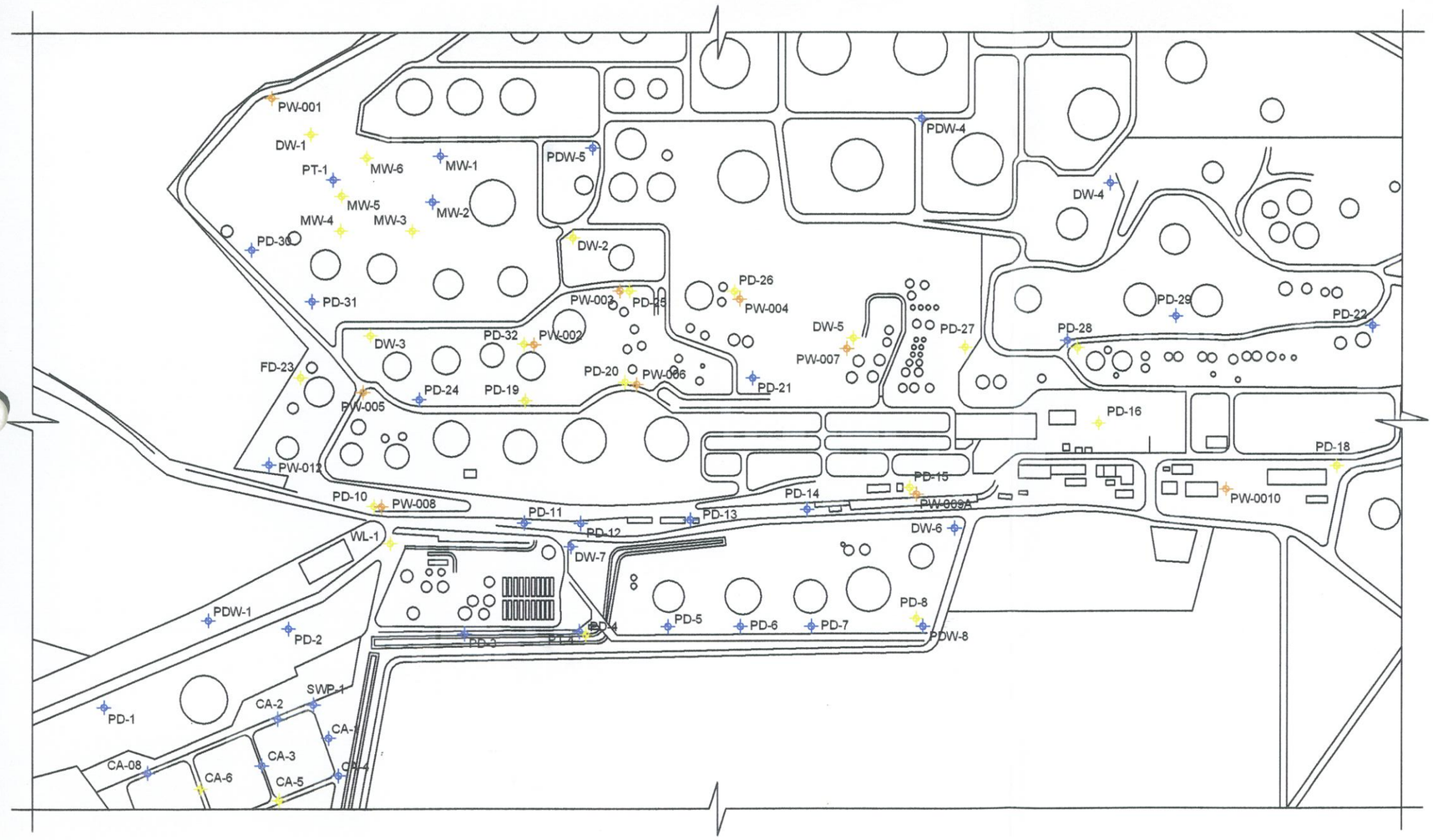
Ground surface elevations at the **MAIN SITE** have a topographical relief of approximately 330 feet (100 m) above Mean Sea Level (MSL). Directly south of the **MAIN SITE** is the Western Lagoons Complex. Photographs of the facility are included in **Appendix (Volume) I-A.**

1.2 SCOPE OF WORK

To achieve the objective of this investigation, lithology beneath the area and ground water characteristics were evaluated. In addition to assessing for the existence of any possible floating or dissolved phase petroleum hydrocarbon plumes, ground-water flow direction and site lithology was investigated.

The Site Assessment Program consisted of the following activities:

- Drilling of four (4) soil borings to a depth of forty (40) feet;
- Drilling of one (1) soil boring to a depth of one hundred and ten (110) feet, converted into an eighty five (85) feet ground-water monitoring well (MSEI-MW-5);
- Drilling of two (2) soil borings to a depth of sixty (60) feet;
- Classification and organic vapor monitoring of soil;



NORTH

CLIENT: CORCO

LOCATION: STATE ROAD #127
GUAYANILLA, PUERTO RICO

PROJECT: ENVIRONMENTAL INDICATORS

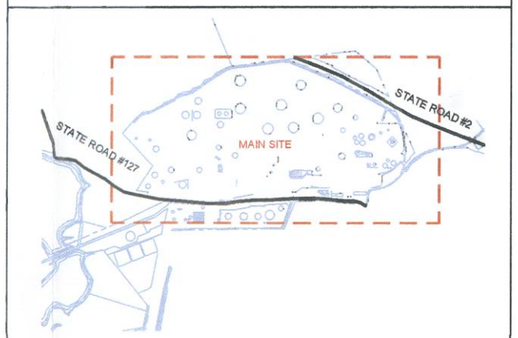
LOCATION MAP

DATE: 09/08/05	FIGURE: 2
DRAWN BY: N.VALES	PROJECT NO.: 05-333-01
APPROVED BY: L. FIGUEROA	FILE: CORCO.DWG

LEGEND

- WELL LOCATION
- WELL WITH PRODUCT LOCATION
- WELL WITH PUMP LOCATION

SITE



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- Installation of seven (7) ground-water monitoring wells identified as MSEI-MW-1 to MSEI-MW-7;
- Collection of five (5) ground-water samples from Monitoring Wells MSEI-MW-I to MW-4 and collection of thirteen (13) ground-water samples from existing wells for laboratory analyses; and,
- Surveying of the newly installed and existing wells.

1.3 ENVIRONMENTAL SETTING

1.3.1 Climate

The facility occurs in the south coast portion of the Island of Puerto Rico, where the climate is warm and dry. This is due to its protected position leeward of the Cordillera Central (Central Mountain Range). The facility lies in an area considered one of the driest of the island, the semiarid coastal plain. The average temperature for the year in the area is 79.9 degrees Fahrenheit. Temperatures along the coast are generally 6 to 8 degrees warmer than in the northward mountains. The average annual rainfall in the semiarid coastal plain is approximately 45 inches. There are no dry or wet seasons, however there is a relatively drier period, usually from December through April, with two peak periods of heavier rainfall in May and October. Monthly rain totals range from 0.76 inch to 5.93 inches. Most of the precipitation occurs in short, convective showers. However, very heavy rain, lasting up to several days, does occur in this area. These heavy rains, locally called "vaguadas", usually move from west to east across the island. These rains occur several times during winter and are usually accompanied by gusty winds. Puerto Rico is located in the northeast trade wind belt; but, the wind is generally easterly to southeasterly along the southern coast of the island. The relatively dry wind, together with high temperatures, results in high rates of evapotranspiration.

1.3.2 Topography

The CORCO Complex is situated in an area that has a topographical relief that peaks at approximately 330 feet above sea level. Most of the CORCO complex lies on the southeastern edge of an upland ridge that divides the Guayanilla and Tallaboa River Valleys. Approximately one-quarter of the complex is in the lower-lying Tallaboa Valley, where elevations range from 0 to 26 feet above sea level (USGS 1982).

1.3.3 Soils

Most of the soil beneath the site is known as the Aguilita-Tuque[1] association. These soils are steep and well drained, clayey and loamy, locally containing some gravel and pebbles. The Aguilita-Tuque soils occupy foot slopes, side slopes, hilltops, and overlie alluvial deposits in the Rio de Tallaboa Valley. The Aguilita soils are soft gravelly limestone on side slopes and hilltops. The Tuque soils are loamy, shallow and are underlain by soft gravelly limestone. Beneath part of the site are soils of the Constancia-Jacaguas-San Anton association. These soils overlie alluvial deposits in the Rio de Guayanilla Valley and Coastal Plain. They are clayey and loamy and, neutral to moderately alkaline.

1.3.4 Regional Geology

Puerto Rico is the eastern-most island of the Greater Antilles, with a geologic record of approximately 140 million years (Ma). The lithological composition of the Island commences with Late Juriasic (163-144 Ma) to Early Cretaceous aged (144-97.5 Ma) oceanic rocks; Early Cretaceous to Eocene (57.8-36.6 Ma) island arc volcanic and sedimentary rocks and two batholiths (The Utuado Pluton and The San Lorenzo Batholith). Unconformably overlying these rocks along the north and south coast, are tilted Oligocene (36.6-23.7 Ma) to Pliocene aged (5.3-1.6

Ma) terrigenous clastics and fossiliferous limestone. The occurrence of these calcareous belts is in part due to "middle" and "late" Oligocene rising of sea level that in turn flooded the shelf margins (Vail and Hardenbol, 1979).

Pre-Oligocene rocks, which form what is known as the central core, are divided into three geographic igneous provinces: the southwest, the central, and the northeast. Each province has its own distinctive geology and petrology (Schellekens et al., 1983). The boundary between the southwest igneous province and central igneous province is marked by the "Eocene Belt", a northwest-southeast trending belt of deformed early Tertiary rocks transversing the western part of the island. Almost parallel with the Eocene Belt is the Great Puerto Rico Fault Zone (Glover, 1971). This fault zone forms the principal geologic structure of the island.

The complex central core, consisting mostly of volcanic and intrusive rocks that are flanked on the north and south by clastic sediments and limestone characterizes the geology of Puerto Rico. The volcanic rocks are predominately ash, shale, agglomerate, and tuff, most of that are thoroughly indurate. Clastic sediments composed predominately of poorly sorted mixtures of gravel, sand, and finer materials, predominate along the south coast where a series of coalesced alluvial fans have formed a coastal plain that averages three (3) miles in width. The limestone has been eroded in most parts of the south coast (USGS, 1985).

[1] Soil Survey of Ponce Area of Southern Puerto Rico, USDA, Nov 1979

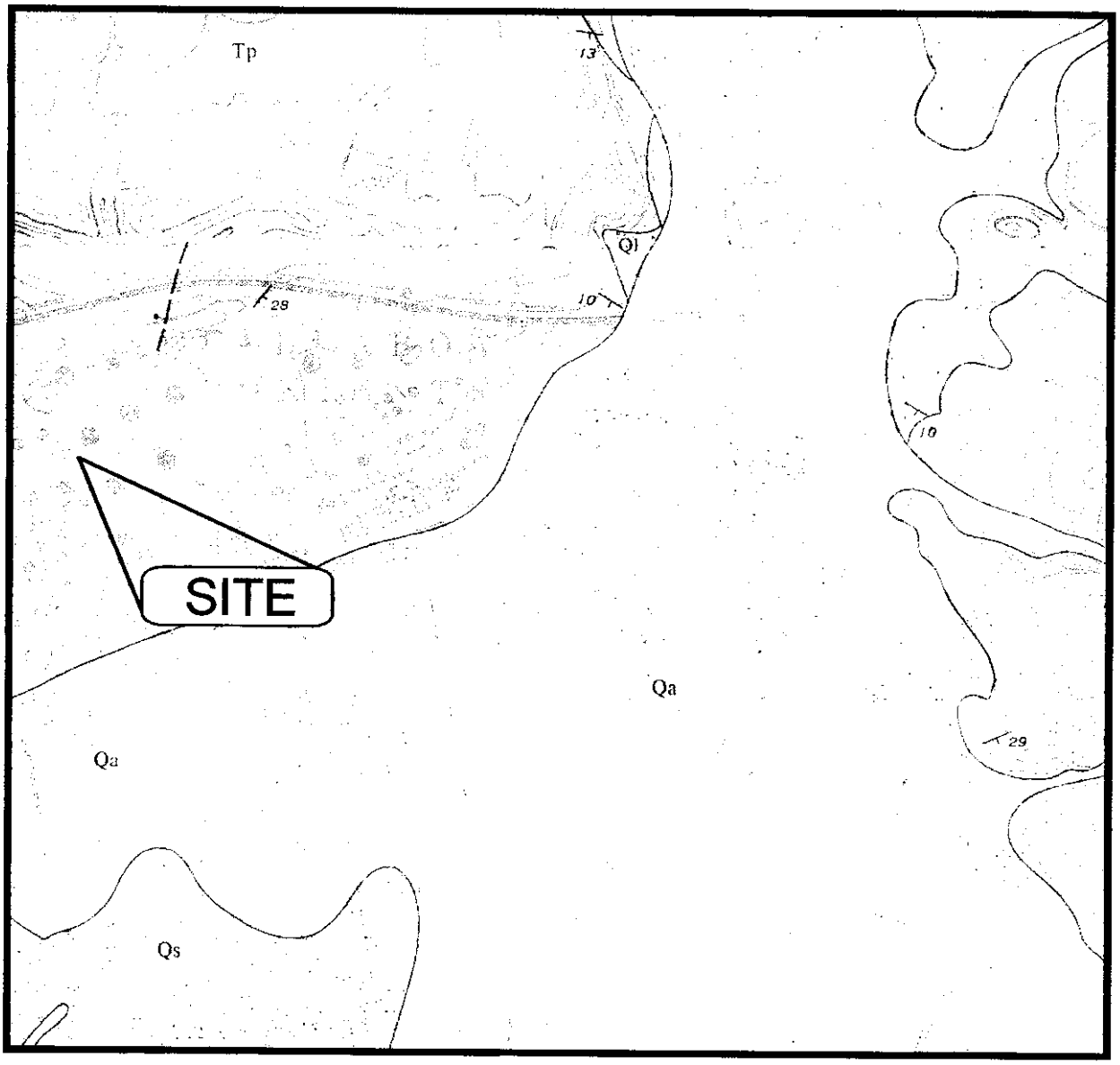
1.3.5 Site Geology

Most of the CORCO facility is located on Ponce Limestone, a Tertiary aged sedimentary deposit (Miocene). Overlying the limestone is Quaternary aged Alluvium (Holocene), composed of cobbles, pebbles, sand, clay, sandy clay. The thickness varies as much as 50 meters in the southwest area of Ponce and in the southern part of Rio Tallaboa.[2]

Part of the facility is underlain by Quaternary Beach Deposits (Holocene) that include beach, dune, and coastal-swamp deposits. Also included are fine to medium grained clasts of volcanic rocks, limestone, and shells. In mangrove swamps, dark-gray to black mud and sand can be found. Thickness in this area is of 0-10 m. **Figure 3** shows the geological map of the site.

According to the USGS geological map of the area, the Ponce Limestone, and Oligocene to Miocene age limestone, are described as very pale orange to grayish orange, generally crystalline calcarenite (cemented calcareous sand). The thickness of the Ponce Limestone is reported to be over 600 feet north of the complex, and possibly approaching 2,500 feet at the Site. The Ponce Limestone commonly strikes east west, dipping south at about 10 degrees. Individual dips range from 10 to 30 degrees to the south, with dips rarely greater than 20 degrees. However, the 1978 USGS map reference indicates a dip measurement of 28 degrees to the southeast and a strike of north 33 degrees east along the northern CORCO Complex boundary.

[2] Miscellaneous Investigations Series MAP I-1042, Geologic Map of the Peñuelas & Punta Cuchara Quadrangles, Puerto Rico, By Richard D. Krushensky and Watson H. Monroe, 1978



1000 500 0 1000 (METERS)

Tp Ponce Limestone

LATITUDE= 18°00'39" LONGITUDE= 66°44'54"
ELEVATION= 10 METERS

NORTH

APPLIED GEOSCIENCES & ENVIRONMENTAL SERVICES, INC.

CLIENT:	CORCO
LOCATION:	STATE ROAD #127 GUAYANILLA., PUERTO RICO
PROJECT:	ENVIRONMENTAL INDICATORS

GEOLOGIC MAP I-1042
(GEOLOGY BY RICHARD D. KRUSHENSKY AND WATSON H. MONROE, 1978)

DATE:	09/08/05	FIGURE:	3
DRAWN BY:	N.VALES	PROJECT NO.:	05-333-01
APPROVED BY:	L. FIGUEROA	FILE:	CORCO.DWG

1.3.6 Surface Water

Surface water at and surrounding the CORCO Complex includes natural and manmade features[4]. The most prominent natural features are Guayanilla Bay, Tallaboa Bay, and the Guayanilla Bay Inlet. The Tallaboa River is the most prominent natural channel, occurring east of the CORCO Refinery and flowing south to the Tallaboa Bay. Manmade surface-water features located south of the **MAIN SITE** include the Western Lagoons, Eastern Lagoons and channels that include the Inlet Channel and the CORCO Effluent Drainage Ditch. Rainwater runoff is channeled through road ditches, swales, and overland routes.

1.3.7 Regional and Local Hydrogeology

Aquifers in the Peñuelas-Guanica area occur in alluvial deposits and under water-table conditions (USGS, Water Resources Investigations Report 94-4198). The thickness of alluvial deposits can range from 1 to 200 feet. The transmisivity of the alluvial aquifer in the region generally increases inland and streamward. Aquifers in the Ponce Limestone may yield more water in the upper valleys.

Ground water beneath the site was found to occur at depths ranging from 4 feet below ground surface (bgs) down to approximately 200 feet bgs. Ground water generally flows in a southerly direction; however, localized areas of recharge within the site create mounding effects. Research of; the USGS water well inventory database; Puerto Rico Department of Natural Resources water well inventory database; and, Puerto Rico Aqueduct and Sewer Authority Topographic Maps with well locations found that, in a radius of five hundred (500) meters (0.5 Km), there are no ground-water extraction wells.

4 CORCO Phase II Environmental Site Assessment by CSA Group, Nov 2000

2.0 SITE ASSESSMENT PROGRAM

2.1 SUBSURFACE INVESTIGATION

The objective of this assessment was to determine the completion of any human exposure pathways of petroleum hydrocarbon compounds through ground water. These were accomplished by drilling and installing seven (7) ground-water monitoring wells, soil classification, ground-water sampling of newly installed wells and existing wells, laboratory analyses, surveying and laboratory analyses. Procedures used during the program are described in the following subsections.

2.1.1 Drilling

From July 20 to July 22, 2005, AGES Drilling Company, of Dorado, Puerto Rico, under direct supervision of an AGES scientist, drilled and installed five (5) ground-water monitoring wells. Four (4) of the monitoring wells were installed to forty (40) feet below the ground surface and one (1) well was installed to eighty-five (85) feet below ground surface. From August 8 to 9, 2005, two (2) additional ground-water monitoring wells were installed to sixty (60) feet below ground surface. All these wells were placed strategically in areas bounding the **MAIN SITE** to the south and were used to evaluate ground-water conditions in their respective areas.

During the drilling process, relative undisturbed soil samples were collected from the borings for lithological classification and visual description. Soil samples were collected:

- Beginning at 5 feet and then continuously from 5 to 40 feet below the ground surface in 40 foot soil borings;
- At 5 feet, and continuously from 40 to 110 feet in the 110-feet soil boring; and,

- 5 feet and then continuously from 5 to 60 feet below the ground surface in 60 feet soil borings. Soil boring locations are illustrated on **Figure 2**.

During the drilling process, relatively undisturbed soil samples were collected from the borings for lithological classification and visual description. Drilling was performed using a truck-mounted Mobile Drilling Company Model B-57 hollow-stem auger drilling rig. The auger flights are five (5) feet in length with inside diameters (ID) of 3.25 inches and outside diameter (OD) of 8-inches. During the drilling process, a retractable plug prevents soil from entering the auger flights. The plug is inserted into and retrieved from the hollow-stem auger by a wireline and is attached to the end of a one hundred-forty (140) pound drive hammer.

2.1.2 Soil Sampling Procedure

Soil was collected using a Modified California Sampler. The Modified California Sampler consists of an outer sampler barrel lined with a set of four (4), 6-inch long (1.5 inches OD and 1.375 inches ID) stainless steel rings placed end-to-end. Incorporated within the upper end of the sampler is a ball check-valve. The sampler was attached to the end of the drive hammer, lowered through the hollow-stem auger flights, and driven twenty-four (24) inches by raising and dropping the drive hammer. As the sampler penetrates ahead of the augers, soil was collected within the four (4) stainless steel rings.

2.1.3 Organic Vapor Monitoring

Organic vapor contents of soil samples were monitored in the field using an Organic Vapor Analyzer (OVA) Model RKI EAGLE 2GAS. A volume of soil from the top sample ring was removed and placed into a glass jar until it is approximately half full. The glass jar was sealed with aluminum foil and capped with an airtight lid. The glass jar was exposed to direct sunlight for approximately ten (10) minutes after which the lid was removed and vapor content was measured by inserting the OVA probe through the aluminum foil and into the vapor headspace. Readings obtained by the OVA were noted on respective soil boring logs (see **Appendix (Volume) I-A**).

2.1.4 Ground-Water Monitoring Well Installation

Seven (7) ground-water-monitoring wells were installed at the CORCO **MAIN SITE** facility. The ground-water monitoring wells were constructed using 2-inch or 4-inch ID, Polyvinyl Chloride (PVC) perforated and blank pipes.

Each 40-foot ground-water monitoring well (MSEI-MW-1 to MSEI-MW-4) was constructed using 30 feet of perforated pipe, with slot widths of 0.020 and ten feet of blank two (2) inch PVC pipe. The 85-foot ground-water monitoring well (MSEI-MW-5) was constructed using 70 feet of perforated, 0.020 inch slot width, and fifteen (15) feet of blank four (4) inch PVC pipe. The 60-foot ground-water monitoring wells (MSEI-MW-6 and MSEI-MW-7) were constructed using 50 feet of perforated, 0.020 inch slot width, and ten feet of blank two (2) inch PVC pipe.

The bottom part of the screened pipe was sealed with a screw-on end cap and placed at the bottom of the boring. Blank casing was connected to the upper section of the screen casing by square-threaded joints. No glues or adhesives were

used. All casings were washed before installation using a solution of Alconox, rinsed with tap water and distilled water, and allowed to air-dry.

The annulus of each well was filled with a clean sand pack to approximately six inches above the screened casing. Granular bentonite was then placed on top of the sand pack to create an impermeable barrier of approximately two (2) feet in thickness. Then concrete cement was poured on top of the bentonite plug up to the ground surface. The top of the blank pipe was fitted with a locking cap and the entire assembly was covered with a cast-iron casing ("manhole"). Typical construction of a ground-water monitoring well is illustrated on **Figure 4**.

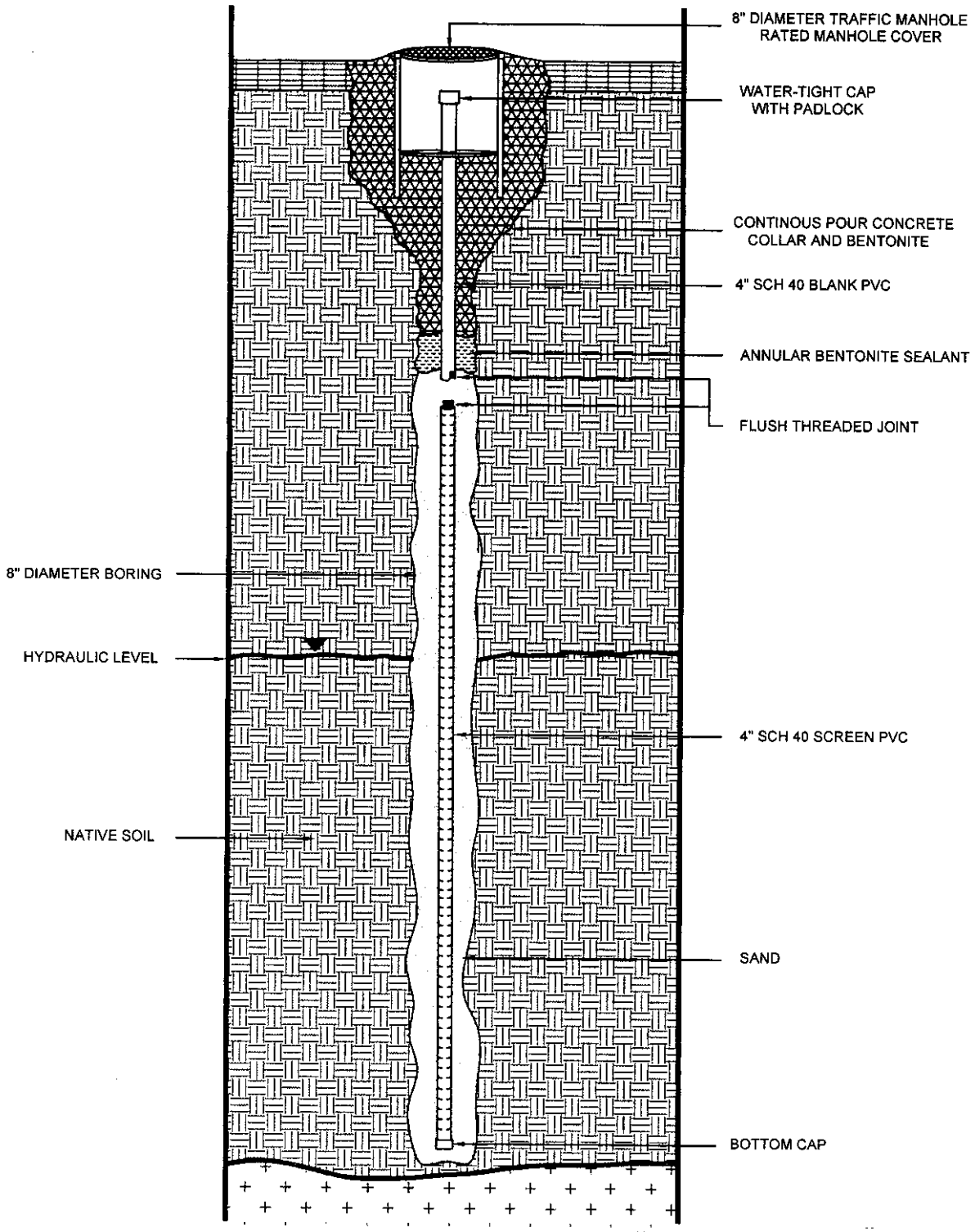
2.2 GROUND-WATER SAMPLING

2.2.1 Measurement of Depth to Ground Water

The depth to ground water in each well was measured using an electronic interface probe and was accurate to within 0.01 foot. The graduated tape of the electronic interface probe was lowered into each well until an audible alarm sounds. A solid tone will sound if the probe comes in contact with floating or submerged product and a beeping tone will sound when the probe comes in contact with water. All measurements were taken from permanent, easily identifiable, reference points that were marked at the top of each well casing with the locking cap removed. All measurements were recorded in field logbooks.

2.2.2 Well Development

From July 12 to 14, 2005, ten (10) previously existing wells (DW-6, PT-4, PDW-8, PD-3, PD-5, PD-6, PD-7, PD-24, PD-30, & PD-31) were developed using 3-foot, 1.6 inch OD dedicated Teflon bailers. Only wells that were not found to contain floating petroleum hydrocarbon compounds and the newly installed ground-water monitoring wells were developed or purged. On July 26, 2005, newly installed



APPLIED GEOSCIENCES & ENVIRONMENTAL SERVICES, INC.

CLIENT:	CORCO
LOCATION:	STATE ROAD #127 GUAYANILLA, PUERTO RICO
PROJECT:	ENVIRONMENTAL INDICATORS

TYPICAL 20 FOOT GROUND-WATER MONITORING WELL CONSTRUCTION

DATE:	09/08/05	FIGURE:	4
DRAWN BY:	N.VALES	PROJECT NUM.:	05-333-01
APPROVED BY:	L. FIGUEROA	FILE:	CORCO.DWG

Ground-Water Monitoring Wells MSEI-MW-1, MSEI-MW-2, MSEI-MW-3 and MSEI-MW-4 were developed.

Monitoring Well MSEI-MW-5 was to be used for an aquifer test and was not developed or sampled. The aquifer test was to be conducted using a pumping rate of thirty gallons per minute. The test was initiated but not concluded. The aquifer equilibrated, at that rate, in less than three (3) minutes with approximately three (3) inches of total drawdown. The test was continued for three (3) hours of pumping with no additional drawdown.

To avoid any possibility of cross-contamination, wells were purged using dedicated Teflon bailers. A minimum of three (3) casing volumes of water were removed from each well. Water produced during well development or purging was containerized in 55-gallon DOT approved drums. **Table 1** presents the amount of water removed from each monitoring well. Prior to sampling, each well was allowed to equilibrate to approximately 90 percent of initial water level (no more than 30 minutes).

During August 8 and 9, 2005, Ground-Water Monitoring Wells MSEI-MW-6 and MSEI-MW-7 were installed on the southwestern boundary of the **MAIN SITE**, near the Shell Facility and PREPA Costa Sur facility. These wells were found to contain floating petroleum hydrocarbon compounds and were not sampled. During the well development process Total Dissolved Solids (TDS) concentrations were measured using a Hanna TDS Tester. Final readings collected from each well are presented in **Table 1**.

TABLE 1. GROUND-WATER MONITORING WELL DEVELOPMENT

WELL ID #	*DEPTH TO PRODUCT (feet)*	*DEPTH TO WATER (feet)*	*WELL DEPTH (feet)*	*WATER REMOVED (gallons)*	*TDS (ppm)*
PD-3	7.21 (FILM)	7.21	NM	NM	1332
PT-4	3.76 (FILM)	3.76	NM	NM	234
PD-5	3.69 (FILM)	3.70	NM	NM	> 2000
PD-6	4.61 (FILM)	4.61	NM	NM	1523
PD-7	NONE	4.95	NM	NM	940
PDW-8	5.85 (FILM)	5.85	NM	NM	640
DW-6	7.57 (FILM)	7.57	NM	NM	887
PD-24	NONE	100.89	NM	NM	1995
PD-30	NONE	79.95	NM	NM	952
PD-31	94.84 (FILM)	94.84	NM	NM	> 2000
MSEI-MW-1	20.61 (FILM)	20.63	40	13.00	920
MSEI-MW-2	23.40 (PROD)	23.45	40	11.00	870
MSEI-MW-3	22.46 (FILM)	22.46	40	11.50	874
MSEI-MW-4	22.19 (FILM)	22.19	40	12.00	1153
MSEI-MW-5	30.03 (FILM)	30.03	85	NM	832
MSEI-MW-6	31.11 (PROD)	33.00	40	5.00	NM
MSEI-MW-7	30.00 (PROD)	33.92	40	4.00	NM

Notes:

NM - Not Measured
TDS - Total Dissolved Solids
PPM - Parts Per Million
PROD – Floating Product

2.2.3 Ground-Water Sampling

Upon ground water equilibration (a period of not more than thirty [30] minutes), each of the newly installed ground-water monitoring wells and the ten (10) existing wells inside the **MAIN SITE** facility were sampled. A dedicated, Teflon Bailer attached to a dedicated nylon cord was lowered into the well to collect ground water samples from the top 36-inches of the ground water column. Ground water

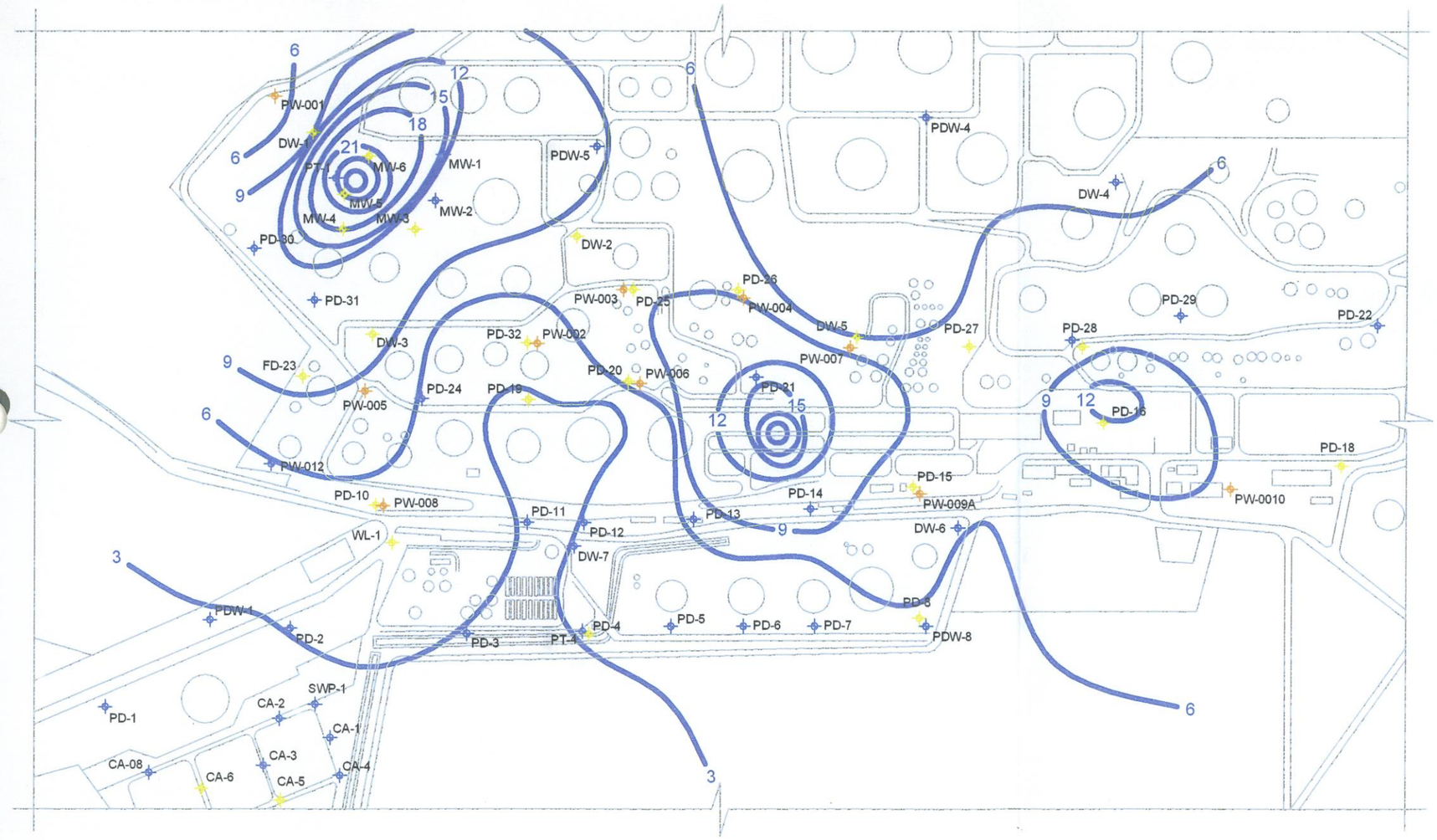
collected in the bailer was then poured into 40-milliliter (ml) glass vials with septum lids and one 500-ml amber container. The procedure for ground-water sample collection precluded air from remaining in the 40 and 500-ml sample containers and included collection of duplicate samples for each day of sampling. Each sample was labeled and placed in an ice chest for cold storage (≤ 4°C) during fieldwork and transport to the analytical laboratory. Trip blanks, field blanks and equipment blanks accompany the samples.

2.2.4 Surveying of Ground-Water Monitoring Wells

During the month of August 2005, the company Professional Land Surveyors measured the relative elevations of each monitoring well. These were determined by establishing a closed-loop level line for vertical control using a Topcon AT-22A Automatic Level and an Ashtech ProMark2, Single Frequency (L1) GPS Receiver. The error of closure for the level line was 0.0, starting at a benchmark existing on the eastern end, inside the OXOCHEM facility. The elevation of this benchmark is 33.58-feet above MSL.

2.2.5 Ground-Water Elevation and Flow Direction

Depth to ground water was measured in the monitoring wells that did not possess floating product. The measured depths in each well were converted to ground water elevation by calculating the difference between the measured depth and the ground water surface elevation. All measurements were taken from permanent references points marked at the top of each ground water monitoring well casing with the locking cap removed. Ground water elevations were then plotted on site maps and the data points contoured. The resultant contour diagram indicates a general southerly flow direction **(Figure 5)**. **Table 2** presents results of surveying of wells in the **MAIN SITE** facility.



COMPUTER GENERATED
SURFER V.8

INTERVAL = 3 FEET

NORTH

CLIENT: CORCO

LOCATION: STATE ROAD #127
GUAYANILLA, PUERTO RICO

PROJECT: ENVIRONMENTAL INDICATORS

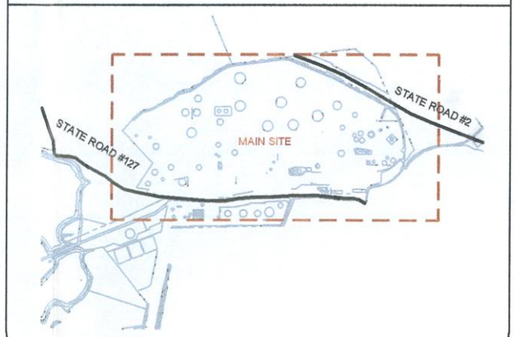
LOCATION MAP

DATE: 09/08/05	FIGURE: 5
DRAWN BY: N.VALES	PROJECT NO.: 05-333-01
APPROVED BY: L. FIGUEROA	FILE: CORCO.DWG

LEGEND

- WELL LOCATION
- WELL WITH PRODUCT LOCATION
- WELL WITH PUMP LOCATION
- LINE OF EQUAL GROUND-WATER ELEVATION

SITE



AGES
APPLIED GEOSCIENCES & ENVIRONMENTAL SERVICES, INC.

TABLE 2. GROUND-WATER MEASUREMENTS

WELL IDENTIFICATION	DATE	DEPTH TO GROUND WATER (meters)	WELL CASING ELEVATION (meters)	GROUND WATER ELEVATION (meters)
MSEI-MW-1	7/26/05	6.290	8.900	2.610
MSEI-MW-2	7/26/05	7.149	9.017	1.868
MSEI-MW-3	7/26/05	6.848	10.323	3.475
MSEI-MW-4	7/26/05	6.765	10.759	3.994
PD-1	7/27/05	1.558	2.382	0.824
PD-2	7/27/05	2.521	3.641	1.120
PD-3	7/27/05	2.302	3.213	0.911
PD-5	7/27/05	1.192	2.791	1.599
PD-6	7/27/05	1.540	3.495	1.955
PD-7	7/27/05	1.698	3.980	2.282
PD-11	7/27/05	9.832	10.788	0.956
PD-12	7/27/05	7.689	10.218	2.529
PD-13	7/27/05	3.460	10.234	6.774
PD-14	7/27/05	8.125	11.339	3.214
PD-21	7/28/05	29.34	30.299	0.959
PD-22	7/28/05	49.09	ND	---
PD-24	7/28/05	30.70	31.668	0.968
PD-29	7/28/05	33.02	ND	---
PD-30	7/28/05	24.62	25.551	0.931
PD-31	7/28/05	28.34	37.516	9.176
PDW-4	7/28/05	38.52	ND	---
PDW-5	7/28/05	62.86	ND	---
PDW-8	7/28/05	2.027	3.777	1.750
EPRB-4	7/28/05	29.72	30.981	1.261
CA-1	7/29/05	1.433	2.195	0.762
CA-10	7/29/05	1.951	2.444	0.493
CA-11	7/29/05	2.613	3.041	0.428
CA-13	7/29/05	1.021	1.686	0.665
CA-14	7/29/05	0.777	1.471	0.694
CA-2	7/29/05	1.402	2.218	0.816
CA-3	7/29/05	1.402	2.158	0.756
CA-4	7/29/05	1.555	2.257	0.702
CA-8	7/29/05	1.585	2.290	0.705
CA-9	7/29/05	2.012	2.523	0.511
DW-4	7/29/05	62.58	ND	---
DW-6	7/29/05	2.424	4.572	2.148
DW-7	7/29/05	2.909	3.861	0.952
PDW-1	7/29/05	1.540	1.888	0.348
SWP-1	7/29/05	1.570	2.421	0.851
WL-3	7/29/05	2.076	2.774	0.698
WL-4	7/29/05	1.448	2.049	0.601
MW-1	8/01/05	63.70	ND	---
MW-2	8/01/05	53.90	ND	---
PT-1	8/01/05	47.49	50.812	3.322
PT-4	8/01/05	1.265	2.704	1.439

Notes: ND - No Data

2.2.6 Measurement of Depth to Free Product

The depth to free product in each well that contained free product was measured using an electronic interface probe and was accurate to within 0.01 foot. A solid tone would sound if the probe comes in contact with floating or submerged product and a beeping tone will sound when the probe comes in contact with water. All measurements were taken from permanent, easily identifiable, reference points that were marked at the top of each well casing with the locking cap removed. All measurements were recorded in field logbooks.

2.2.7 Free Product Removal

During August 15 and 16, 2005, twenty-three (23) previously existing wells that were found to contain free-floating product were developed to verify the actual petroleum hydrocarbon thickness. The product was removed using a 3-foot, 1.6 inch OD dedicated Teflon bailer. Product was removed from each well until no more was available or the product thickness equilibrated. Product removed from each well was stored in 55-gallon closed-head DOT approved drums. **Table 3** presents the amount of product removed from each monitoring well.

TABLE 3. FREE PRODUCT REMOVAL

WELL ID #	*DEPTH TO PRODUCT (feet)*	*DEPTH TO WATER (feet)*	*PRODUCT THICKNESS (feet)*	*PRODUCT REMOVED (gallons)*	*PRODUCT REMAINING (thickness [ft])*
CA-5	5.63	5.85	0.22	1.50	0.16
DW-1	187.82	193.10	5.28	7.50	4.90
DW-2	141.78	141.83	0.05	0.25	0.04
DW-3	132.76	137.17	4.41	7.00	1.70
DW-5	80.70	83.72	3.02	7.50	3.30
MW-3	169.52	174.15	4.63	6.00	3.10
MW-4	166.85	171.43	4.58	6.00	4.03
MW-5	163.54	168.40	4.86	6.50	3.12
MW-6	165.90	171.05	5.15	7.00	3.78
PD-10	36.08	39.95	3.87	4.00	1.70
PD-15	29.55	32.05	2.50	2.50	1.46
PD-16	35.33	39.80	4.47	4.00	3.65
PD-18	32.87	34.62	1.75	3.50	1.75
PD-19	78.22	78.88	0.66	0.50	0.05
PD-20	77.70	61.61	3.91	7.00	3.47
PD-23	86.65	90.85	4.20	6.50	0.80
PD-25	141.17	142.48	1.36	2.00	1.05
PD-26	NM	NM	NM	1.50	NM
PD-27	NM	NM	NM	2.00	NM
PD-28	NM	NM	NM	2.00	NM
PD-32	155.35	159.12	3.77	4.00	1.72
PD-4	6.48	7.52	1.04	1.00	0.23
WL-1	7.80	8.32	0.52	2.00	0.27

Notes:

NM - Not Measured

2.3 CHEMICAL ANALYSES

Chemical analyses of ground-water samples were performed by Pace Analytical Services, Inc. (Pace), an EPA Contract Laboratory Program (CLP) participant, located in San Germán, Puerto Rico. Ground-water samples and QA/QC blanks were analyzed for the following parameters:

- Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-GRO) using EPA Method 8015B,
- Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-DRO) using EPA Method 8015B;
- Total Petroleum Hydrocarbons – Oil Range Organics (TPH-ORO) using EPA Method 8015B; and,
- Volatile Organic Compounds (COV): Benzene, Toluene, Ethyl benzene and Total Xylenes (BTEX) using EPA Method 8021.

Ground-water samples were collected and prepared individually as indicated in **Table 4.**

TABLE 4. PARAMETERS FOR ANALYSIS ON GROUND WATER SAMPLES

PARAMETER	***METHOD***	***NUMBER OF WATER SAMPLES***	***SAMPLES BOTTLES*** ***WATER***	***PRESERVATION METHOD***	***METHOD DETECTION LIMIT (PPM)***	
TPH-GRO	8015B	18	3-vials per sample	HCl and/or ≤ 4°C	Gasoline Range Organics (GRO)	0.100-25.00
TPH-DRO	8015B	18	1-500-ml per sample	≤ 4°C	Diesel Range Organics (DRO)	0.500
TPH-ORO	8015B	18	1-500-ml per sample	≤ 4°C	Oil Range Organics (ORO)	5.00
BTEX	8021	18	3-vials per sample	HCl and/or ≤ 4°C	Benzene, Toluene, Ethylbenzene, and Total Xylenes	0.0050-1.30 0.0050-1.30 0.0050-1.30 0.015-3.80

3.0 **FINDINGS**

3.1 PHYSICAL RESULTS

3.1.1 Lithology

Lithology was evaluated by examining undisturbed soil samples from soil borings drilled to depths that vary from forty (40) to one hundred and ten (110) feet below ground surface. These soil borings were completed as ground-water monitoring wells identified as MSEI MW-1 to MSEI-MW-7. Lithology beneath the **MAIN SITE** consisted mostly of limestone, clayey sand, gravelly clay, sands and pebbles interbedded in a sandy gravelly clay matrix, colors varying from yellowish red and red. No seepage of petroleum hydrocarbon compounds was observed to occur throughout the **MAIN SITE**, including gullies, ravines and exposed side slopes.

Soil samples were screened for organic vapors using an OVA. Petroleum hydrocarbon vapor concentrations varied from Non Detect (ND) to over eleven thousand (> 11000) ppm. Petroleum hydrocarbon odors or stains were observed in the examined soil. For more detailed descriptions of the subsurface soil within each boring, refer to the soil boring logs included in **Appendix (Volume) I-A.**

3.1.2 Hydrogeology

Below the CORCO facility's **MAIN SITE** southern boundary, the average depth to ground water is approximately 22 feet and flows southward. However, north of this area towards the center portion of the MAIN SITE there appears to be areas of recharge that is creating mounding effects beneath those specific areas. These areas of recharge are illustrated in **Figure 5.**

3.2 CHEMICAL RESULTS

Results of laboratory analyses performed on ground-water samples are summarized in **Table 5**. Copies of the Chain-of-Custody documents are included in **Appendix (Volume) I-B**.

3.2.1 Chemical Results of Ground-Water Samples

Chemical analyses for the detection of Gasoline, Diesel Fuel, Oil Range Organics and BTEX using EPA Methods 8015B and 8021, were conducted on eighteen (18) ground-water samples and QA/QC blanks. These were collected from wells that did not possess any floating product and from newly installed wells. Laboratory results are as follows:

- TPH (Gasoline): varied from ND to 570 ppm;
- TPH (Diesel Fuel): varied from ND to 150 ppm;
- TPH (Oil): ND;
- Benzene: varied from ND to 69 ppm;
- Toluene: varied from ND to 22 ppm;
- Etil Benzene: varied from ND to 79 ppm; and,
- Total Xylenes: varied from ND to 245 ppm.

Results of chemical analyses performed on ground-water samples are summarized in **Table 5**. Copies of the chain-of-custody documents are included in **Appendix (Volume) I-B**.

3.2.2 Chemical Results of QA/QC Blanks

Chemical analyses for TPH and BTEX using EPA Methods 8015B and 8021, respectively, performed on QA/QC samples were all non-detect.

TABLE 5. RESULTS OF CHEMICAL ANALYSES PERFORMED ON GROUND-WATER SAMPLES AND QA\QC BLANKS USING EPA METHODS 8015B (GASOLINE, DIESEL FUEL AND OIL) AND 8021 (BTEX).

(PPM)

SAMPLE #	TPH GASOLINE	TPH DIESEL FUEL	TPH OIL	BENZENE	ETHYL BENZENE	TOLUENE	TOTAL XYLENES
MSEI-MW-1	510.0	7.00	ND	11.00	79.00	12.00	245.0
MSEI-MW-2	570.0	6.30	ND	69.00	36.00	22.00	130.0
MSEI-MW-3	180.0	1.20	ND	30.00	12.00	20.00	47.00
MSEI-MW-4	180.0	1.50	ND	22.00	13.00	19.00	57.00
MSEI-MW-A*	360.0	16.00	ND	11.00	46.00	7.90	147.2
PD-3-SW-1	ND	ND	ND	ND	ND	ND	ND
PT-4-SW-2	ND	16.00	ND	ND	ND	ND	ND
PT-4-SW-A**	ND	30.00	ND	ND	ND	ND	ND
PD-5-SW-3	ND	ND	ND	ND	ND	ND	ND
PD-6-SW-4	ND	1.30	ND	ND	ND	ND	ND
PD-7-SW-5	1.00	7.10	ND	ND	ND	ND	ND
PDW-8-SW-6	16.00	6.20	ND	0.0081	4.30	ND	4.20
DW-6-SW-7	300.0	150.0	ND	25.00	13.00	18.00	155.0
PD-24-SW-8	ND	ND	ND	ND	ND	ND	ND
PD-24-SW-B***	ND	ND	ND	ND	ND	ND	ND
PD-31-SW-9	42.00	11.00	ND	7.30	2.10	1.80	8.10
PD-31-SW-C****	41.00	8.10	ND	6.30	3.70	1.60	10.60
PD-30-SW-10	60.00	32.00	ND	3.30	3.20	7.70	11.90

TABLE 5. RESULTS OF CHEMICAL ANALYSES PERFORMED ON GROUND-WATER SAMPLES AND QA\QC BLANKS USING EPA METHODS 8015B (GASOLINE, DIESEL FUEL AND OIL) AND 8021 (BTEX)

(PPM)

SAMPLE #	TPH GASOLINE	TPH DIESEL FUEL	TPH OIL	BENZENE	ETHYL BENZENE	TOLUENE	TOTAL XYLENES
EB	ND	ND	ND	ND	ND	ND	ND
FB	ND	ND	ND	ND	ND	ND	ND
TB	ND	ND	ND	ND	ND	ND	ND
RL	*0.100-25.00*	*0.500*	*5.00*	*0.0050-1.30*	*0.0050-1.30*	*0.0050-1.30*	*0.015-3.80*

Notes:

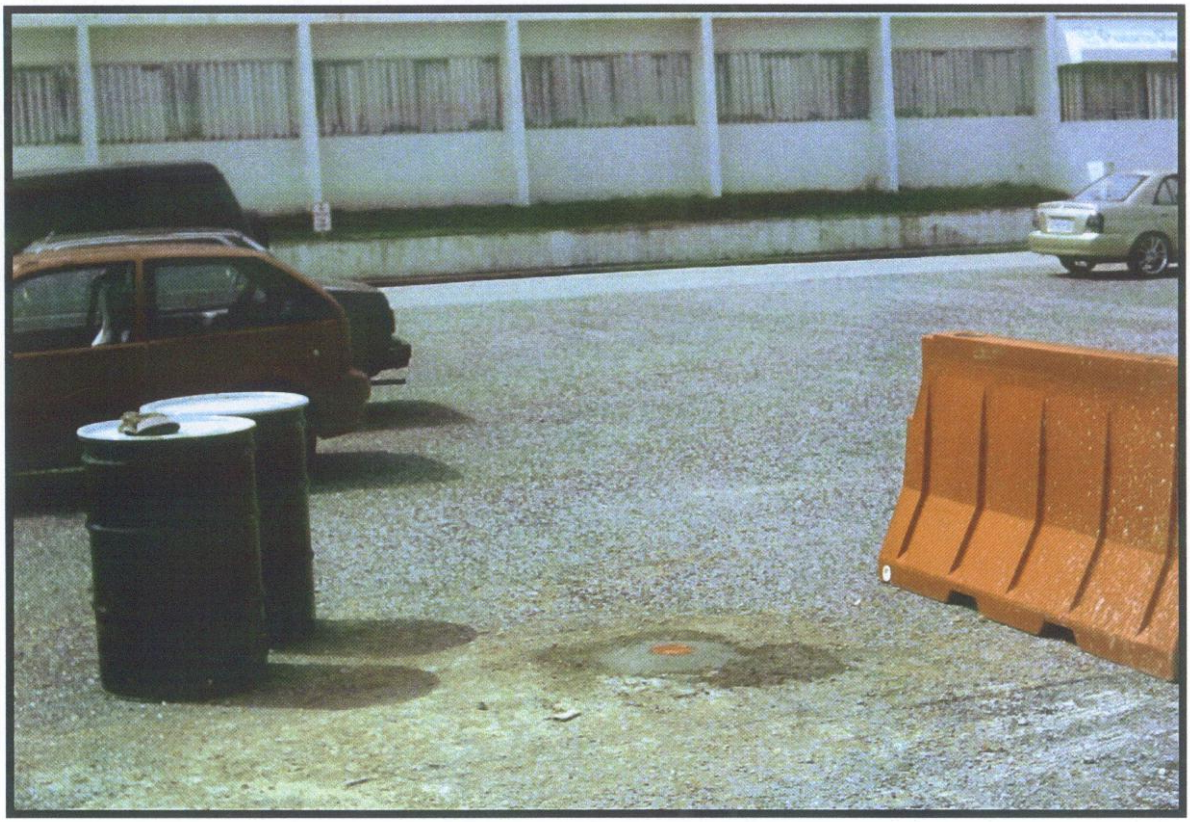
* - Duplicate sample of MSEI-MW-1
** - Duplicate sample of PT-4-SW-2
*** - Duplicate sample of PD-24-SW-8
**** - Duplicate sample of PD-31-SW-9
EB - Equipment Blank
FB - Field Blank
TB - Trip Blank
RL - Reporting Limit
PPM - Parts Per Million
TPH - Total Petroleum Hydrocarbons
ND - Non-Detect

APPENDIX I-A

PHOTOGRAPHS

Commonwealth Oil Refining Company (Main Site)

Environmental Indicators



MSEI-MW-1

MSEI-MW-2

MSEI-MW-3

MSEI-MW-4

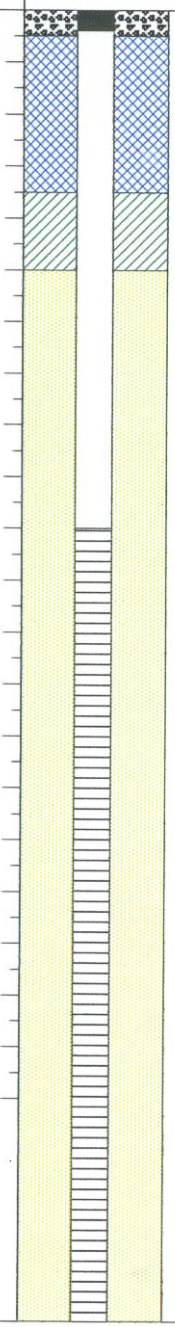
APPENDIX I-A

SOIL BORING LOGS

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-1
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	8.984 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/21/05
DATE FINISHED:	07/21/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Variable
0–5				60	LIMESTONE : Reddish Yellow (7.5YR 7/6), moist, odor.
5–10				105	LIMESTONE : Reddish Yellow (7.5YR 6/8), moist, odor.
10–15				260	GRAVELLY CLAY (CL): Yellowish Brown (10YR 5/8), moist, stiff, strong odor.
15–20				50	GRAVELLY CLAY (CL): Yellowish Brown (10YR 5/8), moist, stiff, odor.
20–25				5	SANDY CLAY (CL): Yellow (10YR 7/8), moist, soft, no odor.



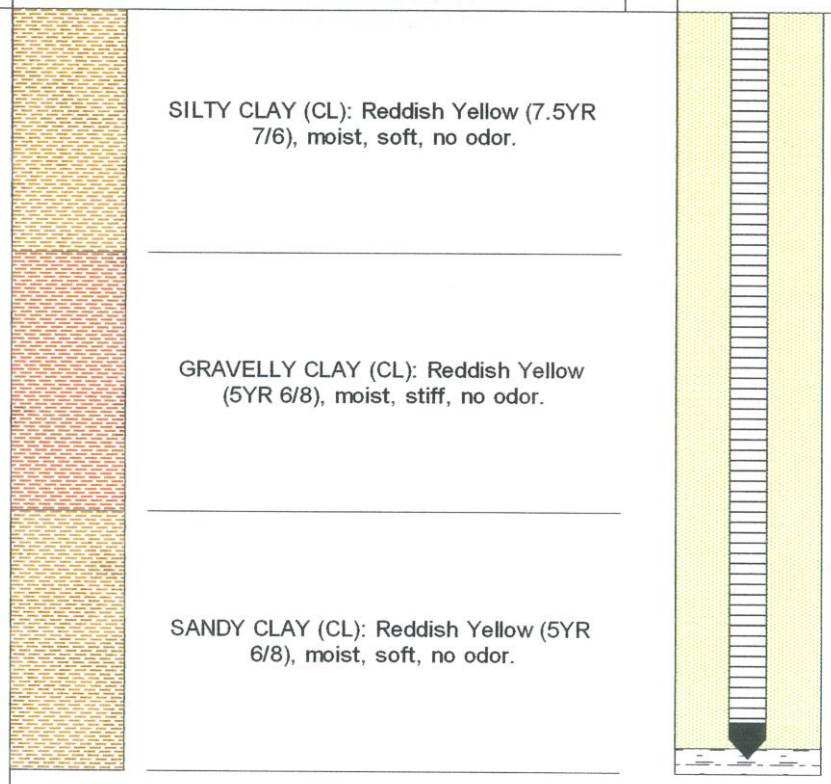
WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

- Traffic Rated Well Box
- 8" diameter borehole
- Neat cement grout.
- Bentonite chip seal
- 4" diameter Schedule 40 PVC casing
- River Sand
- OVM=RKI Instrument Model Eagle Series calibrated with 100 ppm hexane gas; readings in ppm.
- 4" diameter, 0.020" slot, Schedule 40 PVC screen
- 8" diameter borehole
- River Sand
- 4" diameter, 0.020" slot, Schedule 40 PVC screen

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-1
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	8.984 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/21/05
DATE FINISHED:	07/21/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
26						
27					SILTY CLAY (CL): Reddish Yellow (7.5YR 7/6), moist, soft, no odor.	
28						
29						
30				0		
31						
32					GRAVELLY CLAY (CL): Reddish Yellow (5YR 6/8), moist, stiff, no odor.	
33						
34						
35				0		
36						
37					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, soft, no odor.	
38						
39						
40				0		4" diameter Schedule 40 PVC end cap
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						



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BORING:	MSEI-MW-2
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	9.134 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/21/05
DATE FINISHED:	07/21/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT: NA DROP: NA	
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0						Traffic Rated Well Box
1–3					LIMESTONE : Reddish Yellow (7.5YR 7/6), moist, no odor.	8" diameter borehole Neat cement grout.
4						Bentonite chip seal
5				0		4" diameter Schedule 40 PVC casing
6–8					LIMESTONE : Reddish Yellow (7.5YR 7/6), moist, odor.	River Sand
9						OVM=RKI Instrument Model Eagle Series calibrated with 100 ppm hexane gas; readings in ppm.
10				85		
11–14					GRAVELLY CLAY (CL): Yellowish Brown (10YR 5/8), moist, stiff, odor.	4" diameter, 0.020" slot, Schedule 40 PVC screen
15				95		
16–19					CLAYEY SAND (SC): Yellowish Red (5YR 5/8), moist, soft, strong odor.	8" diameter borehole; River Sand; 4" diameter, 0.020" slot, Schedule 40 PVC screen
20				270		
21–24					CLAYEY SANDY SILT (ML): Yellow (10YR 7/8), moist, soft, strong odor.	
25				385		

Ages, Inc.

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-2
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	9.134 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/21/05
DATE FINISHED:	07/21/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
26					SANDY CLAY (CL): Reddish Yellow (7.5YR 7/6), moist, soft, strong odor.	
27						
28						
29						
30				470		
31					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, soft, strong odor.	
32						
33						
34						
35				500		
36					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, soft, strong odor.	
37						
38						
39						
40				505		4" diameter Schedule 40 PVC end cap

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-3
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.536 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/22/05
DATE FINISHED:	07/22/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0						Traffic Rated Well Box
1						
2					LIMESTONE : Yellow (10YR 8/6), moist, no odor.	8" diameter borehole Neat cement grout.
3						
4						Bentonite chip seal
5				0		4" diameter Schedule 40 PVC casing
6						
7					LIMESTONE : Brownish Yellow (10YR 6/8), moist, no odor.	
8						River Sand
9						OVM=RKI Instrument Model Eagle Series calibrated with 100 ppm hexane gas; readings in ppm.
10				10		
11						
12					GRAVELLY CLAY (CL): Reddish Yellow (7.5YR 6/6), moist, stiff, no odor.	4" diameter, 0.020" slot, Schedule 40 PVC screen
13						
14						
15				5		
16						
17					GRAVELLY CLAY (CL): Yellowish Reddish (5YR 5/8), moist, stiff, no odor.	8" diameter borehole
18						River Sand
19						4" diameter, 0.020" slot, Schedule 40 PVC screen
20				5		
21						
22					SANDY CLAY (CL): Yellow (10YR 7/8), moist, soft, no odor.	
23						
24						
25				5		

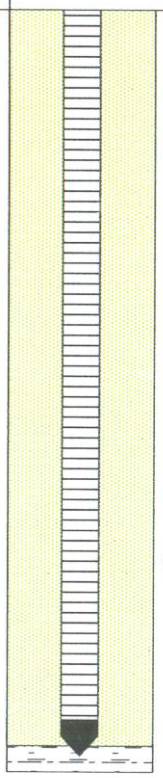
Ages, Inc.

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-3
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.536 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/22/05
DATE FINISHED:	07/22/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable
26					GRAVELLY CLAY (CL): Yellowish Reddish (5YR 5/8), moist, stiff, no odor.
27					
28					
29					
30				5	
31					GRAVELLY CLAY (CL): Reddish Yellow (5YR 6/8), moist, stiff, no odor.
32					
33					
34					
35				0	
36					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, soft, strong odor.
37					
38					
39					
40				0	

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

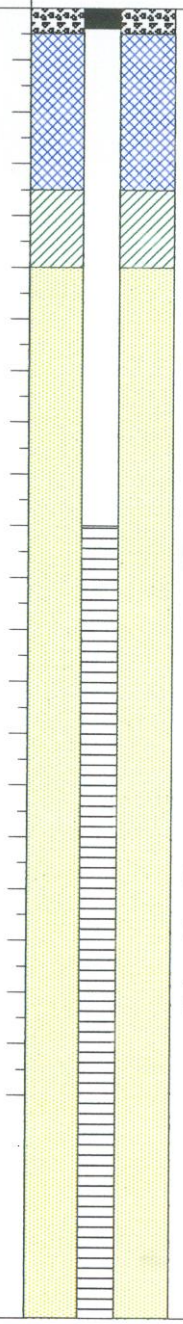


4" diameter Schedule 40 PVC end cap

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-4
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.833 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/22/05
DATE FINISHED:	07/22/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0–5				0	LIMESTONE : Reddish Yellow (7.5YR 7/6), moist, no odor.	Traffic Rated Well Box; 8" diameter borehole; Neat cement grout; Bentonite chip seal; 4" diameter Schedule 40 PVC casing
5–10				0	LIMESTONE : Reddish Yellow (7.5YR 6/8), moist, no odor.	River Sand; OVM=RKI Instrument Model Eagle Series calibrated with 100 ppm hexane gas; readings in ppm.
10–15				20	GRAVELLY CLAY (CL): Yellowish Brown (10YR 5/8), moist, stiff, odor.	4" diameter, 0.020" slot, Schedule 40 PVC screen
15–20				75	CLAYEY SAND (CL): Yellowish Red (5YR 5/8), moist, soft, odor.	8" diameter borehole; River Sand; 4" diameter, 0.020" slot, Schedule 40 PVC screen
20–25				110	SANDY CLAY (CL): Reddish Yellow (7.5YR 7/6), moist, soft, odor.	

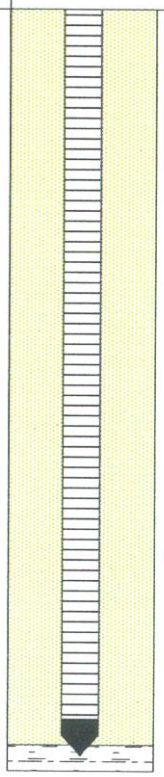


AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-4
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.833 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	07/22/05
DATE FINISHED:	07/22/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	40
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable
26					CLAYEY SAND (SC): Yellow (10YR 7/8), moist, soft, odor.
27					
28					
29					
30				125	
31					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft, strong odor.
32					
33					
34					
35				250	
36					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft, strong odor.
37					
38					
39					
40				280	

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

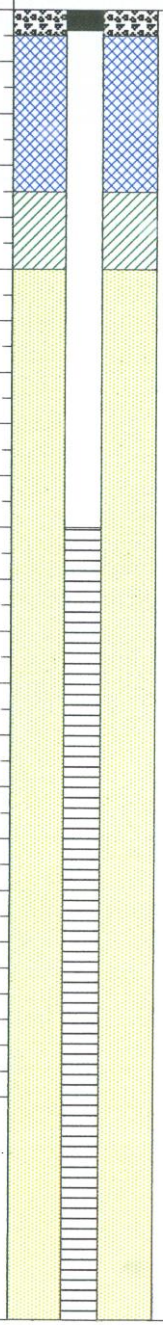


4" diameter Schedule 40 PVC end cap

AGES Applied Geosciences & Environmental Services
Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-5
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.668 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	08/02/05
DATE FINISHED:	08/02/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	100
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. — Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0						Traffic Rated Well Box
1						
2					LIMESTONE : Reddish Yellow (7.5YR 7/6), moist, no odor.	8" diameter borehole Neat cement grout.
3						
4						Bentonite chip seal
5				0		4" diameter Schedule 40 PVC casing
6						
7					LIMESTONE : Reddish Yellow (7.5YR 6/8), moist, no odor.	
8						River Sand
9						OVM=RKI Instrument Model Eagle Series calibrated with 100 ppm hexane gas; readings in ppm.
10				0		
11						
12					GRAVELLY CLAY (CL): Yellowish Brown (10YR 5/8), moist, stiff, odor.	4" diameter, 0.020" slot, Schedule 40 PVC screen
13						
14						
15				20		
16						
17					CLAYEY SAND (CL): Yellowish Red (5YR 5/8), moist, soft, odor.	8" diameter borehole
18						River Sand
19						4" diameter, 0.020" slot, Schedule 40 PVC screen
20				75		
21						
22					SANDY CLAY (CL): Reddish Yellow (7.5YR 7/6), moist, soft, odor.	
23						
24						
25				110		



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Tel. (787) 270-3100 Fax (787) 270-3110

BORING:	MSEI-MW-5
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.668 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	08/02/05
DATE FINISHED:	08/02/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	100
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT: NA DROP: NA	
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
26						
27					CLAYEY SAND (SC): Yellow (10YR 7/8), moist, soft, odor.	
28						
29						
30				125		4" diameter, 0.020" slot, Schedule 40 PVC screen
31						
32					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft, strong odor.	
33						
34						
35				250		River Sand
36						
37					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft, strong odor.	
38						
39						
40				280		8" diameter borehole
41						
42					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
43						
44						
45				--		4" diameter, 0.020" slot, Schedule 40 PVC screen
46						
47					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
48						
49						
50				--		River Sand

Ages, Inc.

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BORING:	MSEI-MW-5
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.668 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	08/02/05
DATE FINISHED:	08/02/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	100
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
51					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
52						
53						
54						
55				--		4" diameter, 0.020" slot, Schedule 40 PVC screen
56					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
57						
58						
59						
60				--		River Sand
61					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
62						
63						
64						
65				--		8" diameter borehole
66					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
67						
68						
69						
70				--		4" diameter, 0.020" slot, Schedule 40 PVC screen
71					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
72						
73						
74						
75				--		River Sand

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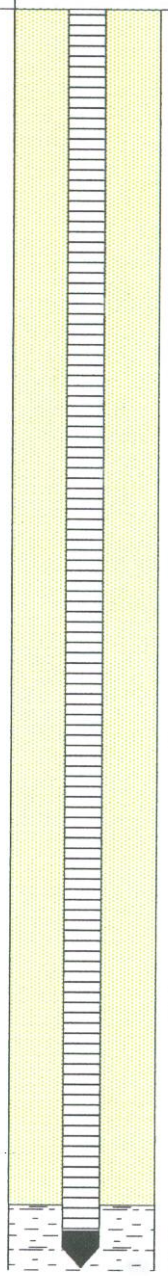
BORING:	MSEI-MW-5
BORING LOCATION:	Corco (Main Site)
GROUND SURFACE ELEVATION AND DATUM:	10.668 Meters
DRILLING CONTRACTOR:	Ages, Inc.
DATE STARTED:	08/02/05
DATE FINISHED:	08/02/05
DRILLING METHOD:	Hollow Stem Auger
TOTAL DEPTH (ft.):	100
SCREEN INTERVAL (ft.):	0-5
DRILLING EQUIPMENT:	Mobil Drill B-57
DEPTH TO WATER: FIRST: COMPL.	
CASING:	NA
SAMPLING METHOD:	Grab
LOGGED BY:	Joaquin Vargas
HAMMER WEIGHT:	NA
DROP:	NA
RESPONSIBLE PROFESSIONAL:	Luis D. Figueroa
PROJECT NO.	05-333-01

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Variable	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
76						
77					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
78						
79						
80				--		4" diameter, 0.020" slot, Schedule 40 PVC screen
81						
82					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
83						
84						
85				--		River Sand
86						
87					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
88						
89						
90				--		8" diameter borehole
91						
92					SANDY CLAY (CL): Reddish Yellow (5YR 6/8), moist, very soft.	
93						
94						
95				--		4" diameter, 0.020" slot, Schedule 40 PVC screen
96						
97					SAND (CL): Yellow (10YR 7/8), wet, very soft, no odor.	
98						
99						
100				--		4" diameter Schedule 40 PVC end cap



Ages, Inc.

APPENDIX I-B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Pace Analytical®
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Pace Analytical, Inc.
Puerto Rico Laboratory
El Retiro Industrial Zone
Calle B&C, P.O. Box 325
San German, PR 00683
Phone: 787.892.2650
Fax: 787.892.1054
www.pacelabs.com

July 26, 2005

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Dear Mr. Martinez:

Enclosed are analytical results for samples submitted to Pace Analytical by AGES. The samples were received on July 13, 2005. Please reference Pace project number 05-1665 when inquiring about this report.

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Pace Sample Identification	Client Sample Identification
0507-0583	PD-3-SW-1
0507-0584	PT-4-SW-2
0507-0585	PT-4-SW-A
0507-0586	PD-5-SW-3
0507-0587	PD-6-SW-4
0507-0588	PD-7-SW-5

Pace Sample Identification	Client Sample Identification
0507-0589	PDW-8-SW-6
0507-0590	DW-6-SW-7
0507-0591	EB
0507-0592	FB
0507-0593	TB

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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Phone: 787.892.2650
Fax: 787.892.1054
www.pacelabs.com

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Lab Project ID: **05-1665**
Lab Sample ID: **0507-0583**
Client Sample ID: **PD-3-SW-1**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	<1.0	1.0	mg/L	RGG	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<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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Lic. Sandra Y. Laboy Olivieri
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QUIMICO LICENCIADO

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1665**
Lab Sample ID: **0507-0584**
Client Sample ID: **PT-4-SW-2**
Sample Matrix: Aqueous

Date Sampled: 07/12/2005
Date Received: 07/13/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	16	0.50	mg/L	KIS	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	<1.0	1.0	mg/L	RGG	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<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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San German, PR 00683
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Fax: 787.892.1054
www.pacelabs.com

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Lab Project ID: **05-1665**
Lab Sample ID: **0507-0585**
Client Sample ID: **PT-4-SW-A**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	30	0.50	mg/L	KIS	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	<1.0	1.0	mg/L	RGG	07/20/2005	0002103-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002102-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002102-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002102-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/20/2005	0002102-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002102-1	<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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Dorado, PR 00646-1054

Lab Project ID: **05-1665**
Lab Sample ID: **0507-0586**
Client Sample ID: **PD-5-SW-3**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	<0.10	0.10	mg/L	RGG	07/19/2005	0002060-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/19/2005	0002059-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<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: **05-1665**
Lab Sample ID: **0507-0587**
Client Sample ID: **PD-6-SW-4**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	<1.0	1.0	mg/L	RGG	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.10	0.10	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.050	0.050	mg/L	RGG	07/20/2005	0002098-1	<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: **05-1665**
Lab Sample ID: **0507-0588**
Client Sample ID: **PD-7-SW-5**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	7.1	0.50	mg/L	KIS	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	1.0	0.10	mg/L	RGG	07/19/2005	0002060-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/19/2005	0002059-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<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: **05-1665**
Lab Sample ID: **0507-0589**
Client Sample ID: **PDW-8-SW-6**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	6.2	0.50	mg/L	KIS	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	16	2.0	mg/L	RGG	07/20/2005	0002060-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	0.0081	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
Ethylbenzene	8021B(1)	4.3	0.25	mg/L	RGG	07/21/2005	0002059-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/19/2005	0002059-1	<0.0050
m,p-Xylene	8021B(1)	4.8	0.20	mg/L	RGG	07/20/2005	0002059-1	<0.010
o-Xylene	8021B(1)	0.12	0.0050	mg/L	RGG	07/19/2005	0002059-1	<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: **05-1665**
Lab Sample ID: **0507-0590**
Client Sample ID: **DW-6-SW-7**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	150	0.50	mg/L	KIS	07/21/2005	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO) 2	8015(1)	300	50	mg/L	RGG	07/21/2005	0002103-1	<0.10
Volatile Organic Compounds, GC 2								
Benzene	8021B(1)	25	2.5	mg/L	RGG	07/21/2005	0002102-1	<0.0050
Ethylbenzene	8021B(1)	13	2.5	mg/L	RGG	07/21/2005	0002102-1	<0.0050
Toluene	8021B(1)	18	2.5	mg/L	RGG	07/21/2005	0002102-1	<0.0050
m,p-Xylene	8021B(1)	76	5.0	mg/L	RGG	07/21/2005	0002102-1	<0.010
o-Xylene	8021B(1)	79	2.5	mg/L	RGG	07/21/2005	0002102-1	<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: **05-1665**
Lab Sample ID: **0507-0591**
Client Sample ID: **EB**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	07/20/2005	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/20/2005	0002049-1	<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	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<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: 05-1665
Lab Sample ID: 0507-0592
Client Sample ID: FB
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	07/20/2005	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/20/2005	0002049-1	<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	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<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: **05-1665**
Lab Sample ID: **0507-0593**
Client Sample ID: **TB**
Sample Matrix: Aqueous

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Date Sampled: 07/12/2005
Date Received: 07/13/2005

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	07/20/2005	0002099-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/20/2005	0002098-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/20/2005	0002098-1	<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.

Approved by: _____ Date: 07/26/05

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A 1032702
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Page: of 907766

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AGES inc	Report To: AGES	Attention: AGES
Address: PO Box 1054	Copy To:	Company Name: AGES
Dorado PR 00646-1054		Address:
Email To: AGES@Coqui.net	Purchase Order No.:	Pace Quote Reference:
Phone: 270-3100 Fax: 270-3110	Project Name: Corco Main Site #1	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #: 05-1665

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

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☑OTHER PR

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) / Requested Analysis: GRO	DRO	ORO	BTEX	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	PD-3-SW-1	WT	G			7/12/05	3:14		4	X			X					X	X	X	X		0507-0583
2	PT-4-SW-2						10:35																0584
3	PT-4-SW-A						10:38																0585
4	PD-5-SW-3						11:30																0586
5	PD-6-SW-4						1:04																0587
6	PD-7-SW-5						1:28																0588
7	PDW-8-SW-6						1:46																0589
8	DW-6-SW-7						2:37																0590
9	EB						10:00																0591
10	FB						3:20																0592
11	TB						3:25		3				X					X			X		0593
12																							

Additional Comments: Pls Send GC Chromatograms A/QC, Calibration Curves

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	7/13/05	3:00pm	[signature]	7/13/05	3:00pm
[signature]	7/13/05	3:40pm	[signature]	7/13/05	2:40pm

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joaquin A. Vargas

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 7/12/05

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

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	N/A	DCM	N/A	N/A	0101001	1	Organic	10	07-2005	[illegible]	
2		DCM			0201002	2					
3		ICCCCLU	↓		0301003	3					
4		MB	2049		0401004	4					
5	↓	LCS		↓	0501005	5					
6	05-16059	0507-0413		EB	0601006	6					
7	05-16057	-0537		JLPI-MW-1	0701007	7					
8		-0538		-A	0801008	8					
9		-0539		-2	0901009	9					
10		0540		-3	1001010	10					
11		-0541		-4	1101011	11					
12		-0542		↓ -5	1201012	12					
13	↓	-0543		EB	1301013	13					
14	N/A	ICCCCLU	↓	N/A	1401014	14	↓	↓	↓	↓	

Surrogate ID: SCG-1-011C LCS/MS/MSD Spike ID: SCG-1-009A ICV/CCV Spike ID: SCG-1-008 DCM ID: lot. 042008

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: ____

N/A [illegible] 07-21-05 ↓ [illegible] 07-21-05

P.O. Box 325, San German, 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	05-1657	0507-0544	2049	FB	1501015	15	Aqueous	10	07-20-05	[illegible]	
2	05-1665	-0591		EB	1601016	16					
3	↓(2)	-0592		FB	1701017	17					
4	05-1671	-0629		TB	1801018	18					
5		-0630		FB	1901019	19					
6	↓(2)	-0631		EB	2001020	20			↓(2)		
7	05-1678	-0666		EB	2101021	21			07-21-05		
8	↓(2)	-0667		FB	2201022	22					
	05-1679	-0671		EB	2301023	23					
10	↓(2)	↓(2) -0672		FB	2401024	24					
11	N/A	1000CCU		(1) ~~FB~~ N/A	2501025	25					
12	05-1678	0507-[illegible]		FB	2601026	26					MS
13	↓(2)	↓(2) -[illegible]	↓(2)		2701027	27					MSD
14	N/A	NB	2050	N/A	2801028	28	↓(2)	↓(2)	↓(2)	↓(2)	

Surrogate ID: SUGL-1-011C LCS/MS/MSD Spike ID: SUGL-1-007A ICV/CCV Spike ID: SUGL-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: N/A

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

07-21-05 N/A 07-21-05 (2) 07-21-05

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P.O. Box 323, San German, 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	N/A	LCS	2050	N/A	2901029	29	Aqueous	40	07-21-05	[illegible]	
2	05-1665	0507-0583		PD-3-SW-1	3001030	30					
3		-0584		-4- -2	3101031	31					
4		-0585		-A	3201032	32					
5		-0586		-5- -3	3301033	33					
6		-0587		-6- -4	3401034	34					
7	①	①-0588		①-7- ①-5	3501035	35					
8	N/A	1000CCW		N/A	3601036	36					
	05-1665	0507-0589		PD-8-SW-4	3701037	37					
10	①	-0590		DW-6-SW-7	3801038	38					
11	05-1679	-0669		PD-24-SW-8	3901039	39					
12	①	-0670		① -B	4001040	40					
13	05-1702	-0747		JLET-HW-6	4101041	41					
14	①	①-0748	①	① -B	4201042	42	①	①	①	①	

Surrogate ID: SDG-1-011C LCS/MS/MSD Spike ID: SDG-1-007A ICV/CCV Spike ID: SSU-1028 DCM ID: Lot. 042008

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:

N/A [illegible] 07-21-05
① [illegible] 07-21-05

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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	05-1702	0507-0749	21050	JLEI-MW-7	4801043	43	Ground	1.0	07-21-05	[illegible]	
2		-0750		8	4401044	44					
3		-0751		9	4501045	45					
4	✓	✓ -0752		✓ 10	4601046	46					
5	N/A	1000CCC		N/A	4701047	47					
6	05-1702	0507-0753		JLEI-MW-11	4801048	48					
7		-0754		✓ 12	4901049	49					
		-0755		EB	5001050	50					
9	✓	-0756		FB	5101051	51					
10	05-1679	-0670		PD-24-SLO-B	5201052	52					MS
11	✓	✓ 0670	✓	✓	5301053	53	✓	✓			MSD
12	N/A	MB	2046	N/A	5401054	54	Soil	1			
13	✓	LCS		✓	5501055	55					
14	05-1671	0507-0632	✓	OR-01	5601056	56	✓	✓	✓	✓	

Surrogate ID: SCGL-1-011C LCS/MS/MSD Spike ID: SCGL-1-007A ICV/CCV Spike ID: SLSD-1-028 DCM ID: Lot. 042009

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:

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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	05-1671	0507-0633	2046	① ~~PD-31-SW-9~~ OR-02	5701001	57	Soil	2x	07-21-05	[illegible]	
2		1000CCV		N/A	5801002	58					
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	1.0			
10	②	LCS		②	6601010	66					
11	05-1678	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: SCSU-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. X21827

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

Book # 3

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	2040	07/18/05	K-H	9.99g	10mL	1	
2	N/A	LCS				10.00g			
3	05-1671	0507-0632				10.03g			
4		-0633				10.03g			
5		-0634				10.00g			
6		-0635				9.98g			
7		-0636				10.00g			
8		-0637				10.03g			
9		-0638				10.06g			
10	↓	↓-0639	↓			10.00g	↓	↓	MS
11	N/A	MB	2049			30mL	3	10	MSD
12	↓	LCS							
13	05-1639	0507-0413							
14	05-1457	-0537							
15		-0538							
16		-0539							
17		-0540							
18		-0541							
19		-0542							
20		-0543							
21	↓	-0544							
22	05-1665	-0591							
24	↓	-0592							
25	05-1671	↓-0639	↓	↓	↓	↓	↓	↓	

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042002 Exp. Date: 01-25-10
Sodium Sulfate: Mfg: Fisher Lot: 050624 Exp. Date: 06-10
Surrogate ID: SUR-1-0116 LCS/MS/MSD ID: SUR-1-0007A

Spike witness: JC

VERIFIED AND APPROVED BY: J Caldwell DATE: 7/18/05

(1) 07-18-05 N/A 07-18-05

Form # 1 / PR-O-002 / Rev. 0 / October 25, 2004

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

Book # 3

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	05-1671	0527-0630	2049	07-18-05	K.H.	30 mL	3	10	
2	↓	-0631							
3	05-1679	-0671							
4	↓	-0672							
5	05-1678	-0666							
6	↓	-0667							
7	~~05-1679~~	~~-0669~~							
8		~~-0670~~							
9	05-1678	~~HBaa~~							
10	↓	↓ -0667	↓						
11	N/A	MB	2050						MS
12	↓	LCS							MSD
13	05-1702	0527-0747							
14		-0748							
15		-0749							
16		-0750							
17		-0751							
18		-0752							
19		-0753							
20		-0754							
21		-0755							
22	↓	-0756							
24	05-1665	-0583							
25	↓	↓ 0584	↓	↓	↓	↓	↓	↓	

SEEP 07-18

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042008 Exp. Date: 01-10
Sodium Sulfate: Mfg: Fisher Lot: 050634 Exp. Date: 06-10
Surrogate ID: SUGC-1-011C LCS/MS/MSD ID: SUGC-1-007A

Spike Witness: JC

VERIFIED AND APPROVED BY: S Cadwell

DATE: 7/18/05

① 07-18-05 N/A 07-18-05

Form # 1 / PR-O-002 / Rev. 0 / October 25, 2004

Book # 3

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	05-1665	0507-0585	2050	07-18-05	K.H.	30 mL	3	10	
2		-0586							
3		-0587							
4		-0588							
5		-0589							
6	↓	-0590							
7	05-1679	-0678							
8		-0679							
9		-0680							
10	↓	-0690	↓	↓	↓	↓	↓	↓	MS
11									MSD
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
24									
25									

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 062008 Exp. Date: 01-10
Sodium Sulfate: Mfg: Fisher Lot: 050624 Exp. Date: 06-10
Surrogate ID: SOGC-1-011C LCS/MS/MSD ID: SOGC-1-007A

Spike witness: JC

VERIFIED AND APPROVED BY: J. Caldwell

DATE: 7/18/05

07-18-05

07-18-05 07-18-05 07-18-05

Data File Name **0501005.D**
Date Acquired **20 Jul 2005 17:12**
Method File **DROFID3.M**
Sample Name **lcs 2049**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	26.38	25	106	80-144	Pass
Diesel Range Organics	1015.62	1000	102	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: 2201022.D

	Spike Sample	Spike Duplicate Sample
File ID :	2601026.D	2701027.D
Sample :	0507-0667 ms	0507-0667 msd
Acq Time:	21 Jul 2005 2:14	21 Jul 2005 2:39

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel Range Organic	1.2	1000	1076	1054	107	105	2	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 10:52:32 2005 MSAD1

Data File Name **2901029.D**
Date Acquired **21 Jul 2005 3:31**
Method File **DROFID3.M**
Sample Name **lcs 2050**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	27.97	25	112	80-144	Pass
Diesel Range Organics	1062.23	1000	106	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

N -Spiked Sample: 4001040.D

	Spike Sample	Spike Duplicate Sample
File ID :	5201052.D	5301053.D
Sample :	0507-0670 ms	0507-0670 msd
Acq Time:	21 Jul 2005 13:22	21 Jul 2005 13:48

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	1024	1051	102	105	3	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 10:54:56 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0301003.D Vial: 3
Acq On : 20 Jul 2005 16:21 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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 :

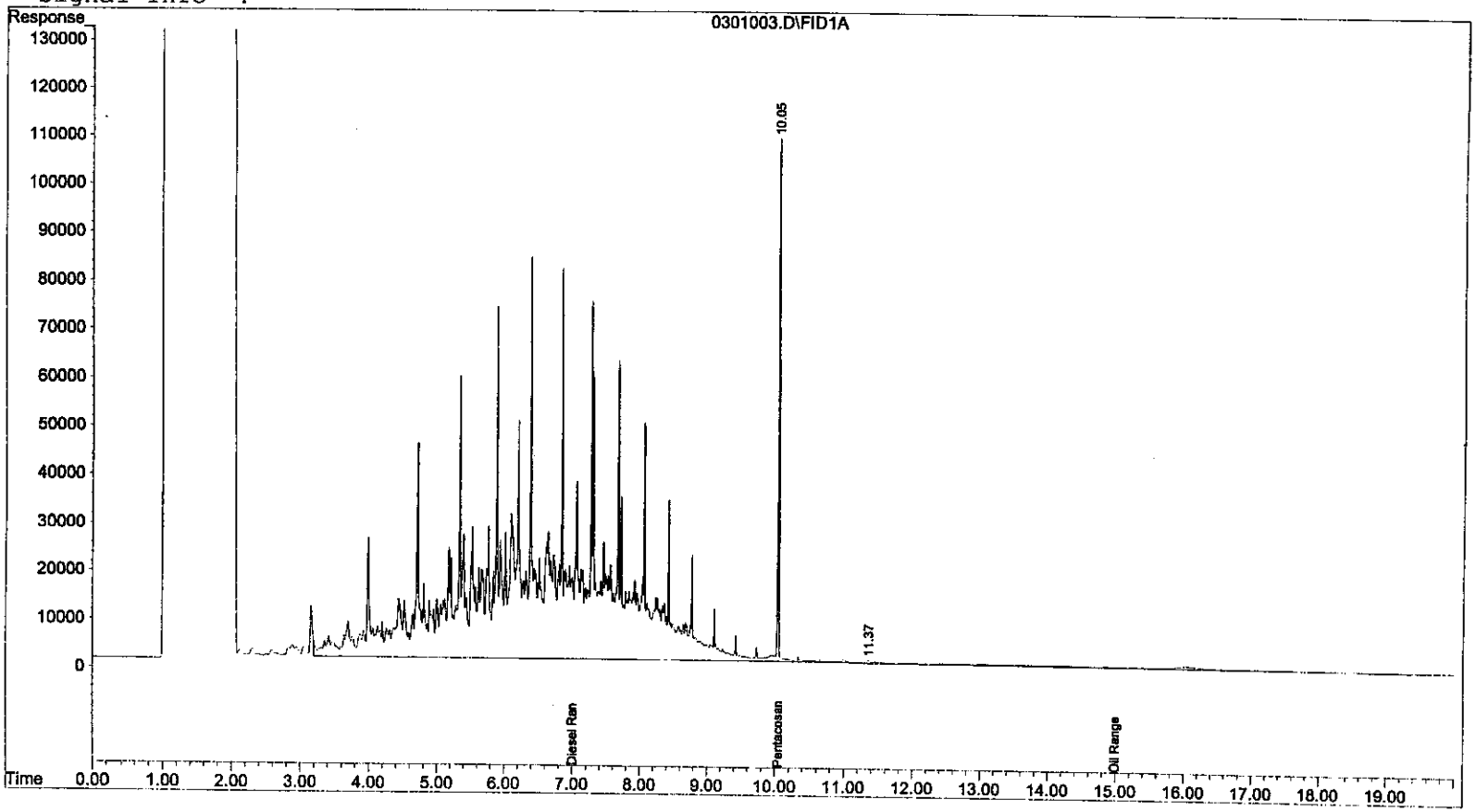
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1167265	29.228 mg/L 117%
Spiked Amount 25.000 Range 80 - 144		Recovery =	116.91%
Target Compounds			
2) H M Diesel Range Organics	7.00	42981670	1054.561 mg/L 105%
3) H Oil Range Organics	15.00	307305	7.540 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0301003.D Vial: 3
Acq : 20 Jul 2005 16:21 Operator: KMI
Samp : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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\0401004.D Vial: 4
Acq On : 20 Jul 2005 16:47 Operator: KMI
Sample : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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

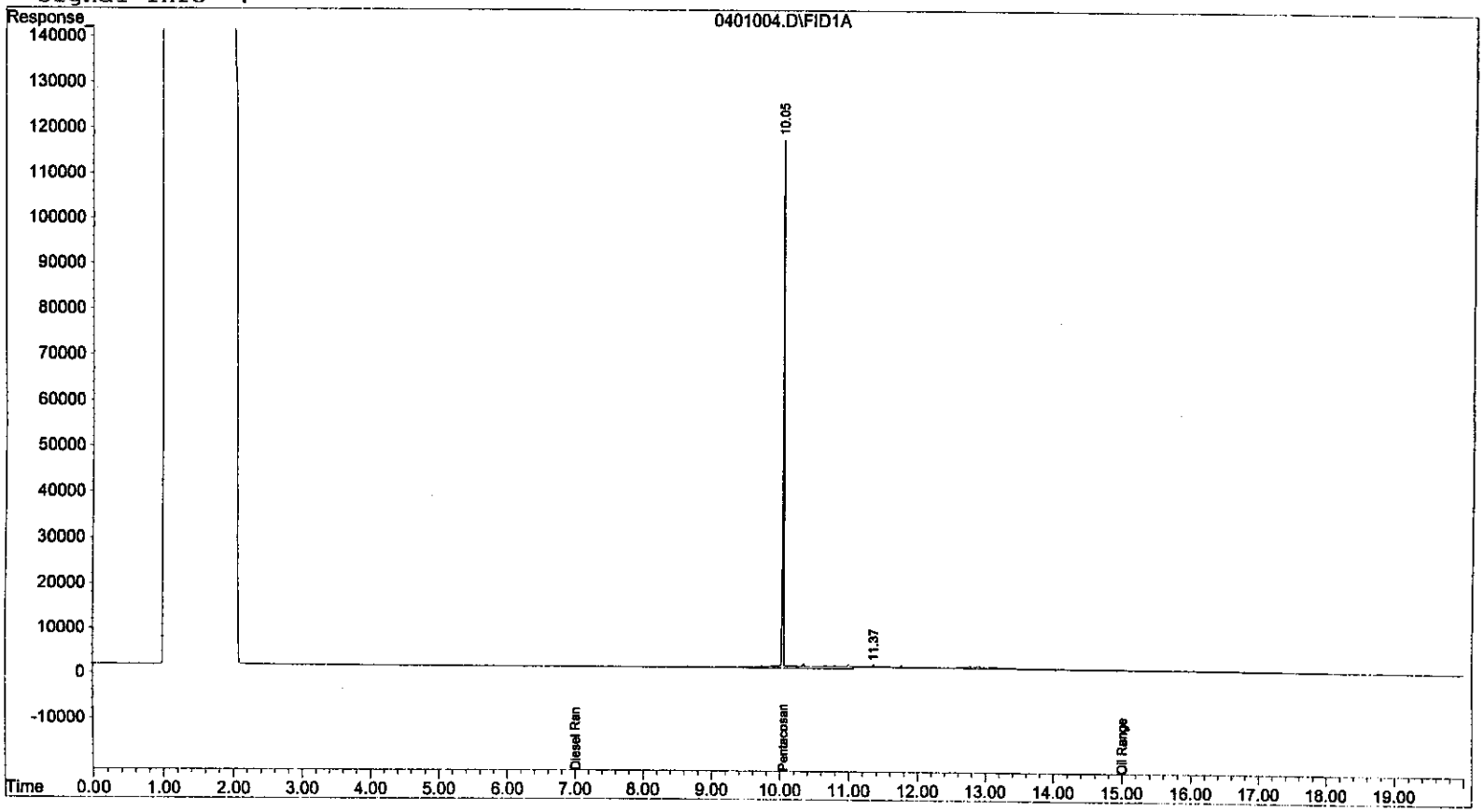
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1190250	29.803 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.21% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	103705	2.544 mg/L
3) H Oil Range Organics	15.00	158636	3.892 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0401004.D Vial: 4
Acq : 20 Jul 2005 16:47 Operator: KMI
Sample : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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\0501005.D Vial: 5
Acq On : 20 Jul 2005 17:12 Operator: KMI
Sample : lcs 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 19105 Quant Results File: 050331.RES

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

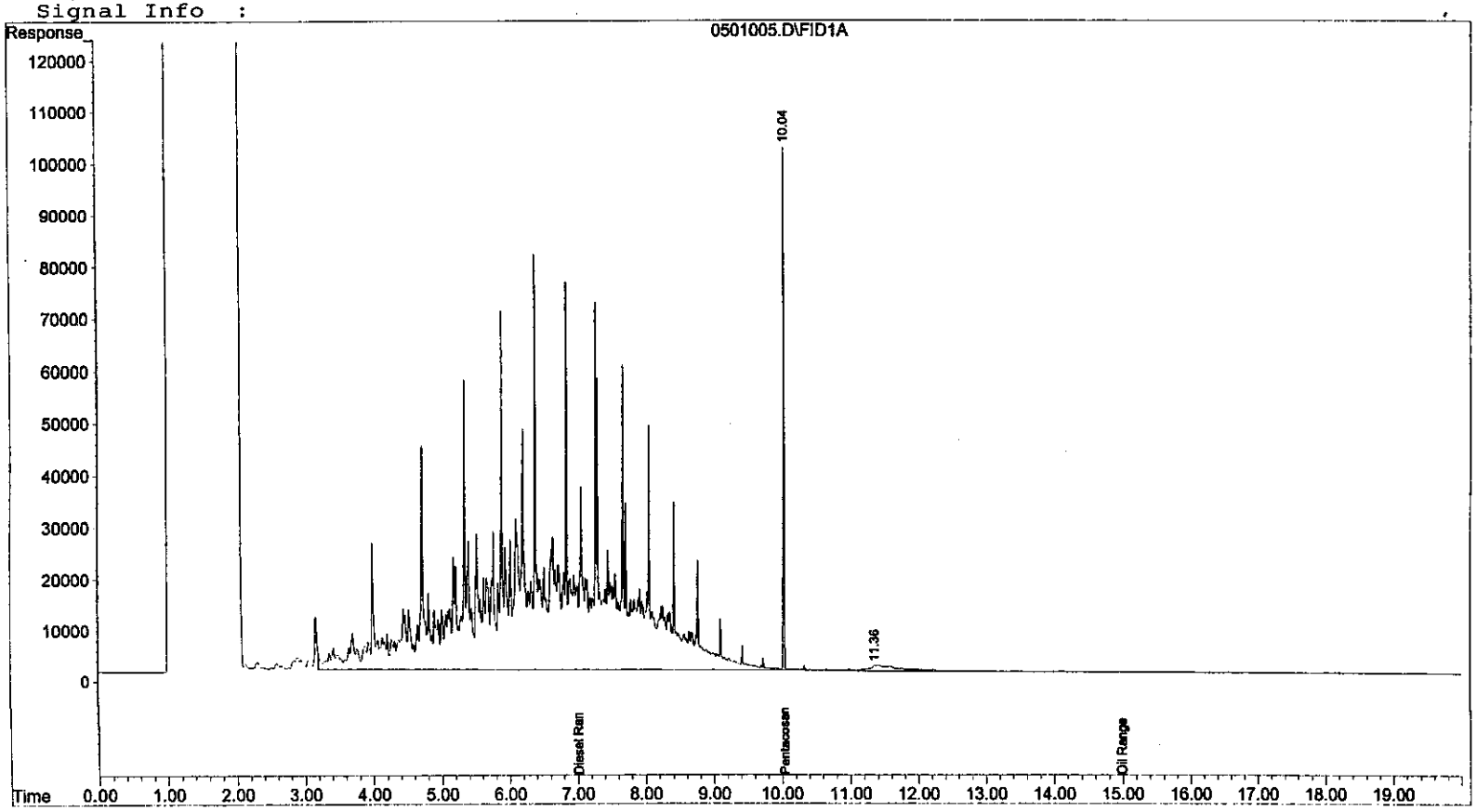
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1053406	26.377 mg/L 106%
Spiked Amount 25.000 Range 80 - 144		Recovery =	105.51%
Target Compounds			
2) H M Diesel Range Organics	7.00	41394585	1015.621 mg/L 102%
3) H Oil Range Organics	15.00	214030	5.251 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0501005.D Vial: 5
Acq : 20 Jul 2005 17:12 Operator: KMI
Sample : lcs 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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\1401014.D Vial: 14
Acq On : 20 Jul 2005 21:05 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

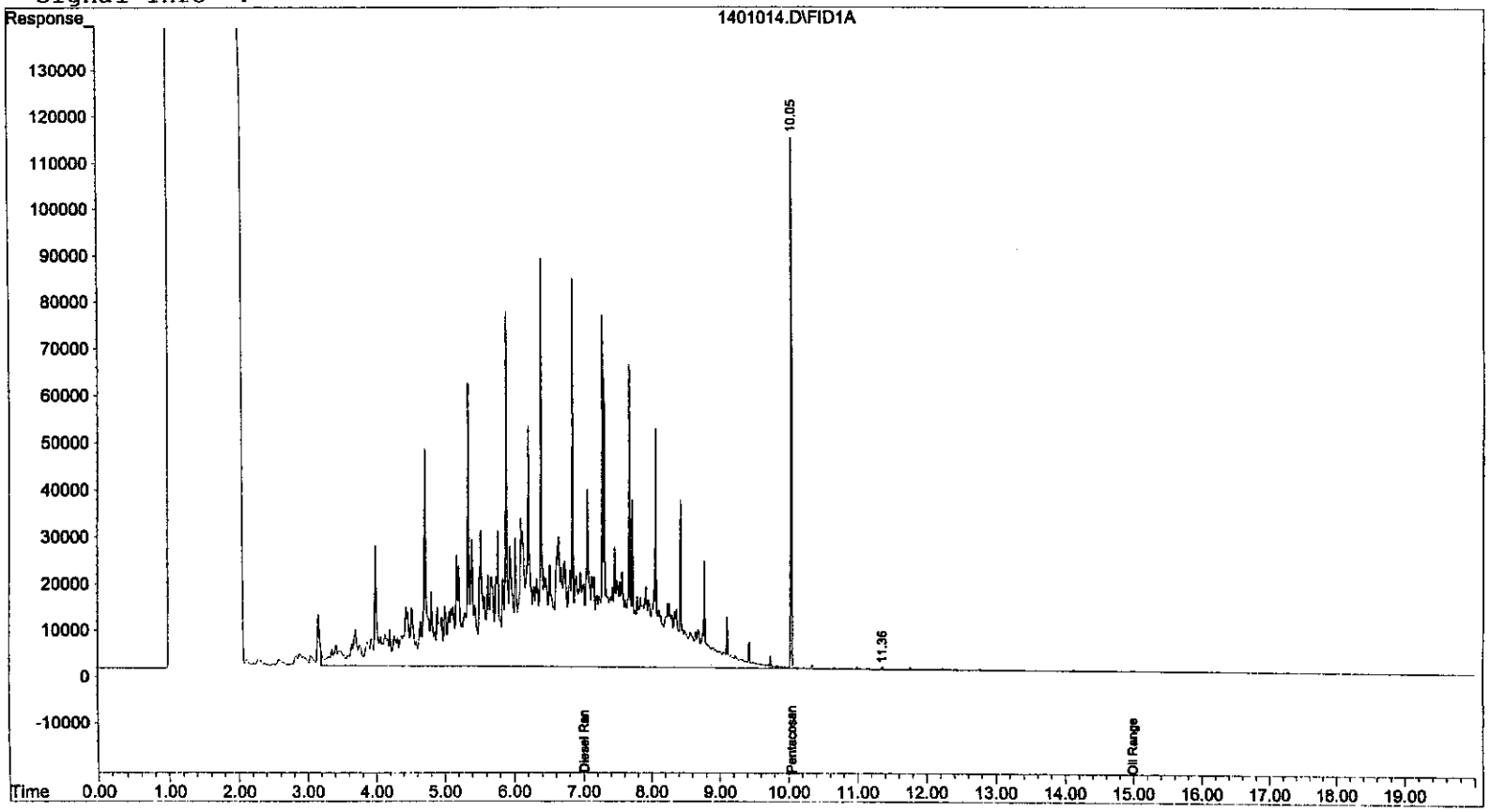
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1181784	29.591 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	118.36% 118%
Target Compounds			
2) H M Diesel Range Organics	7.00	45466656	1115.530 mg/L 112%
3) H Oil Range Organics	15.00	40350	0.990 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\1401014.D Vial: 14
Acq : 20 Jul 2005 21:05 Operator: KMI
Sampl : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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\1601016.D Vial: 16
Acq On : 20 Jul 2005 21:56 Operator: KMI
Sample : 0507-0591 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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

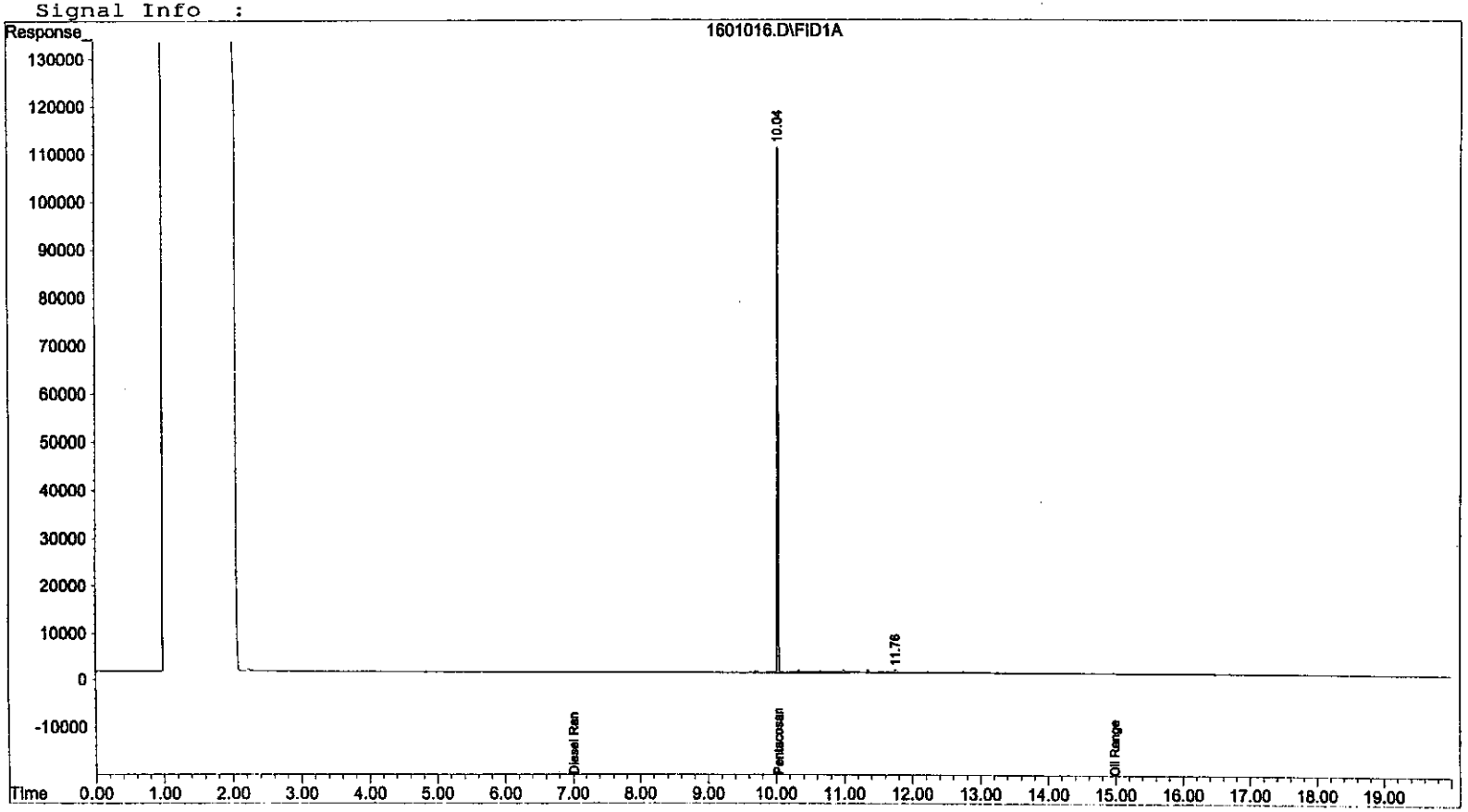
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1128852	28.266 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	113.06% 113%
Target Compounds			
2) H M Diesel Range Organics	7.00	49050	1.203 mg/L
3) H Oil Range Organics	15.00	43906	1.077 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\1601016.D Vial: 16
Acq : 20 Jul 2005 21:56 Operator: KMI
Sample : 0507-0591 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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\1701017.D Vial: 17
Acq On : 20 Jul 2005 22:22 Operator: KMI
Sample : 0507-0592 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:13 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

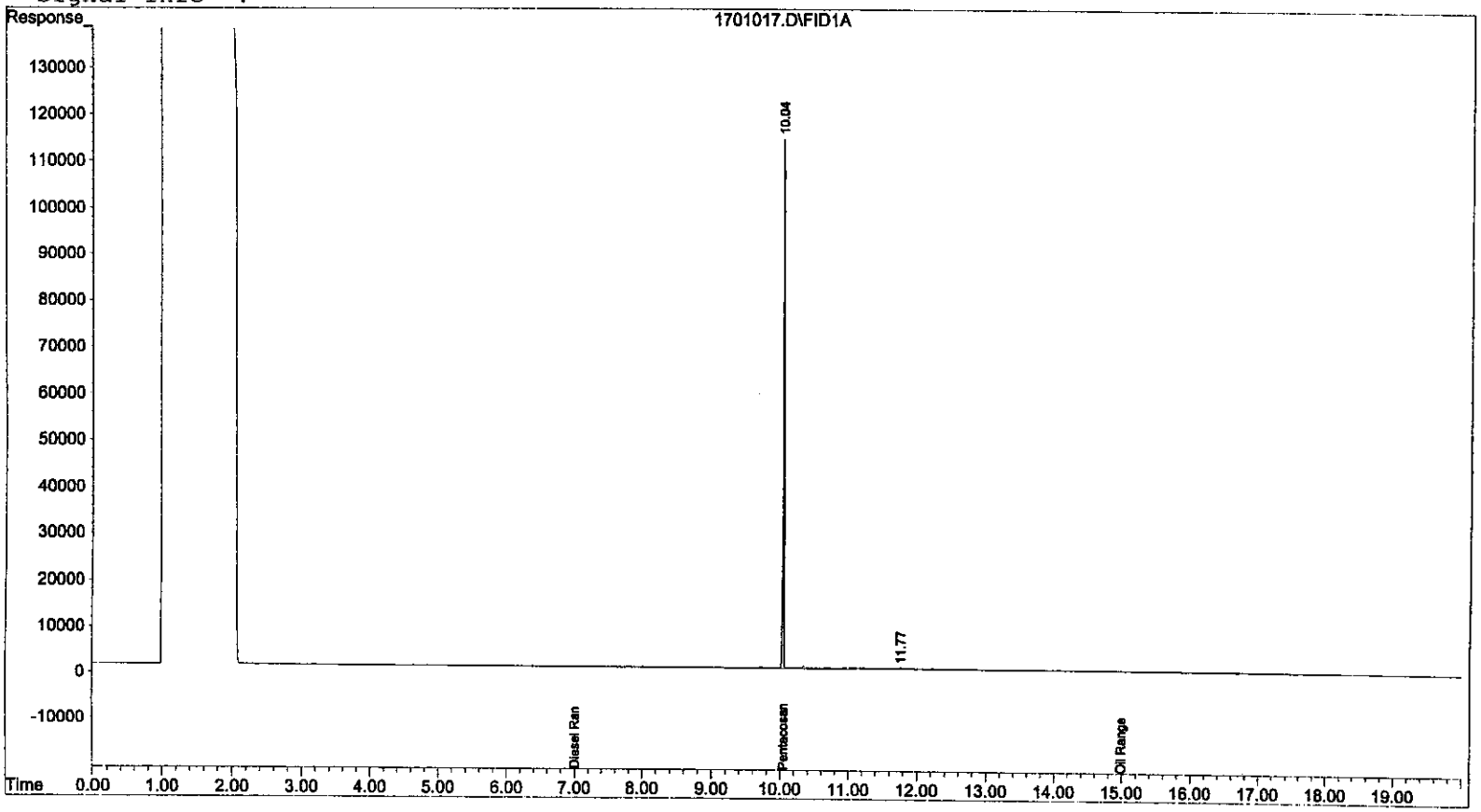
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1160941	29.069 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	116.28% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	41980	1.030 mg/L
3) H Oil Range Organics	15.00	26055	0.639 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\1701017.D Vial: 17
Acq : 20 Jul 2005 22:22 Operator: KMI
Sam : 0507-0592 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:13 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\2201022.D Vial: 22
Acq On : 21 Jul 2005 00:31 Operator: KMI
Sample : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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

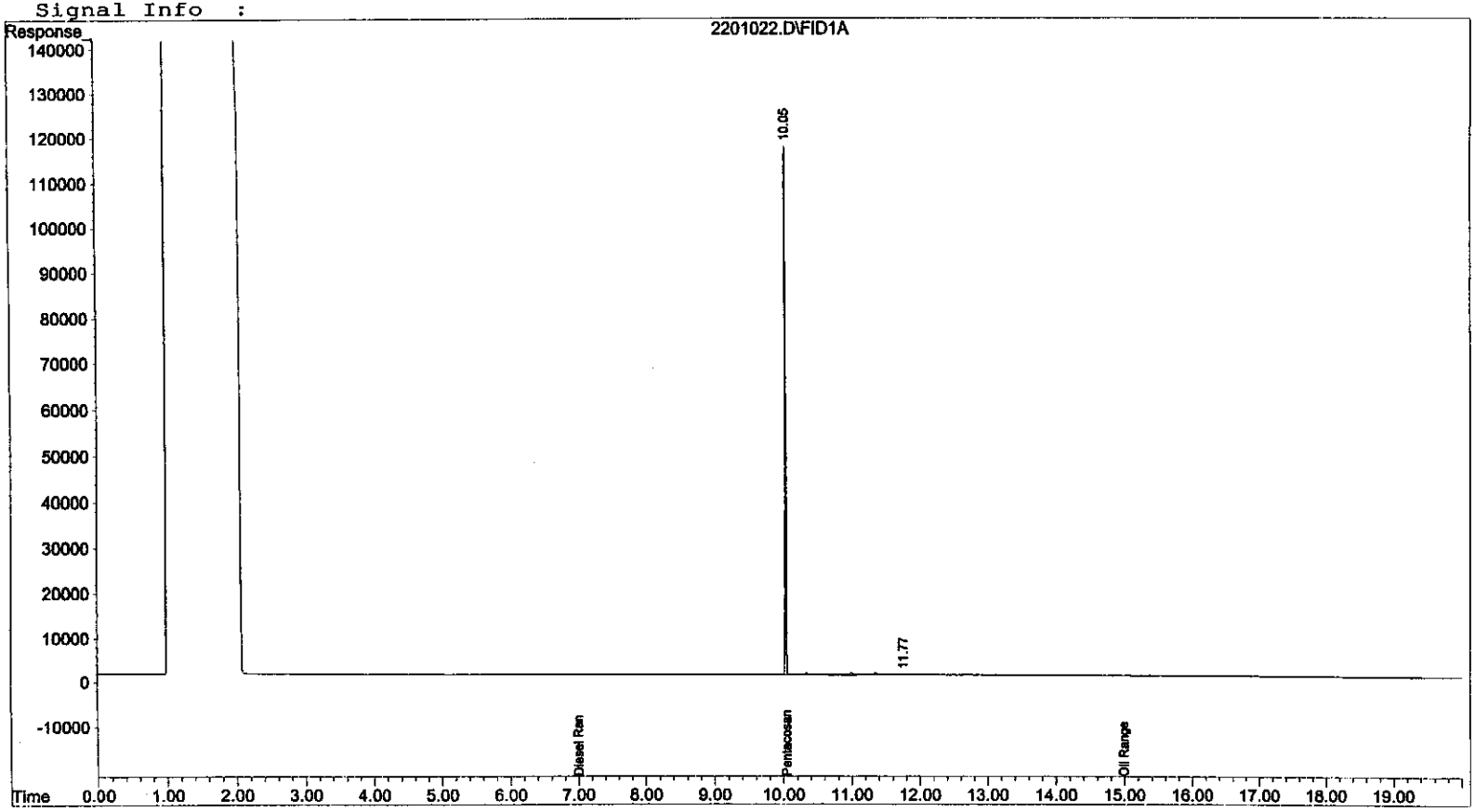
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1158074	28.998 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.99% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	48695	1.195 mg/L
3) H Oil Range Organics	15.00	34775	0.853 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2201022.D Vial: 22
Acq : 21 Jul 2005 00:31 Operator: KMI
Sampl : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2501025.D Vial: 25
Acq On : 21 Jul 2005 1:48 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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

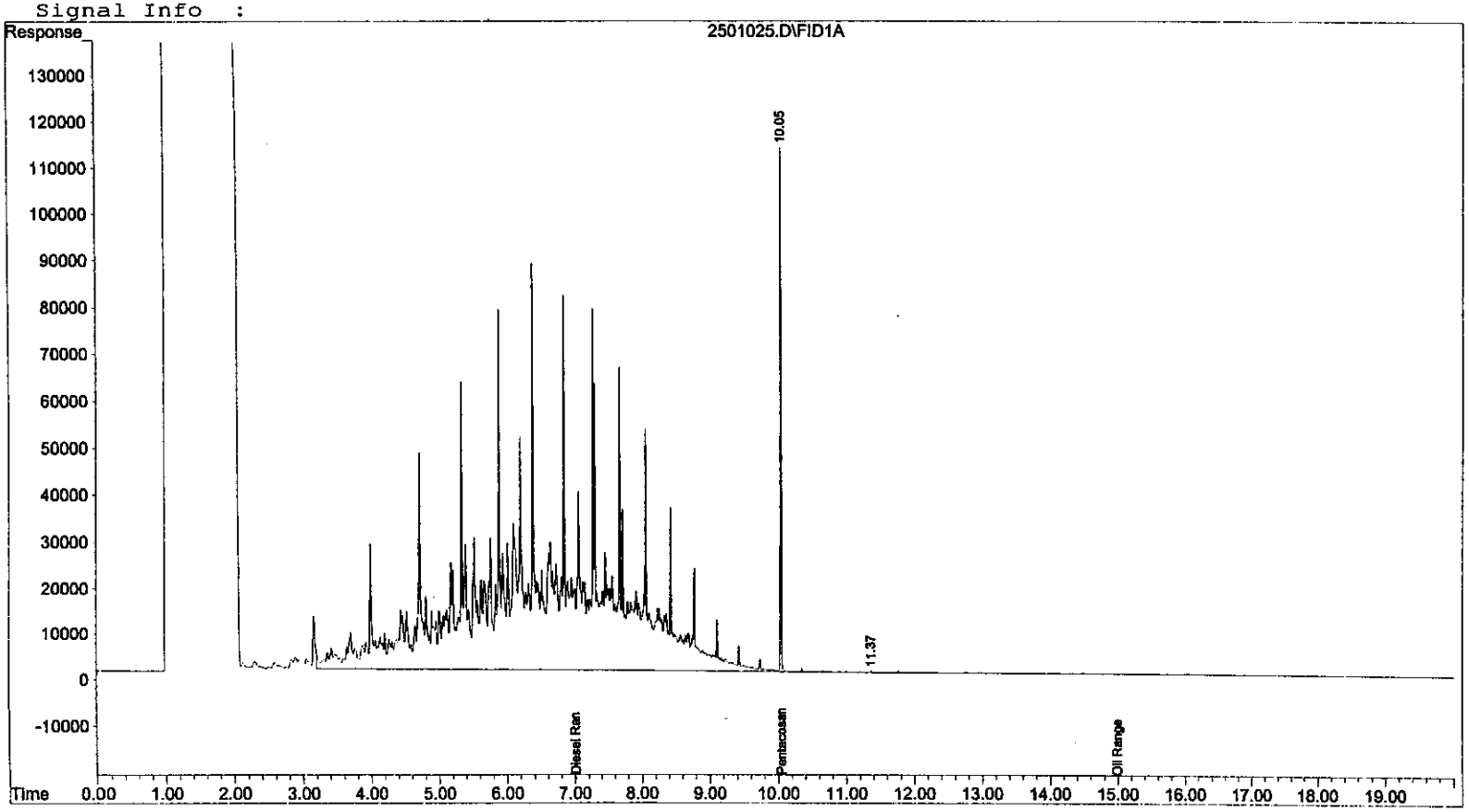
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1173333	29.380 mg/L 118%
Spiked Amount 25.000 Range 80 - 144		Recovery = 117.52%	
Target Compounds			
2) H M Diesel Range Organics	7.00	45374083	1113.259 mg/L 111%
3) H Oil Range Organics	15.00	28967	0.711 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2501025.D Vial: 25
Acq : 21 Jul 2005 1:48 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2601026.D Vial: 26
Acq On : 21 Jul 2005 2:14 Operator: KMI
Sample : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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 :

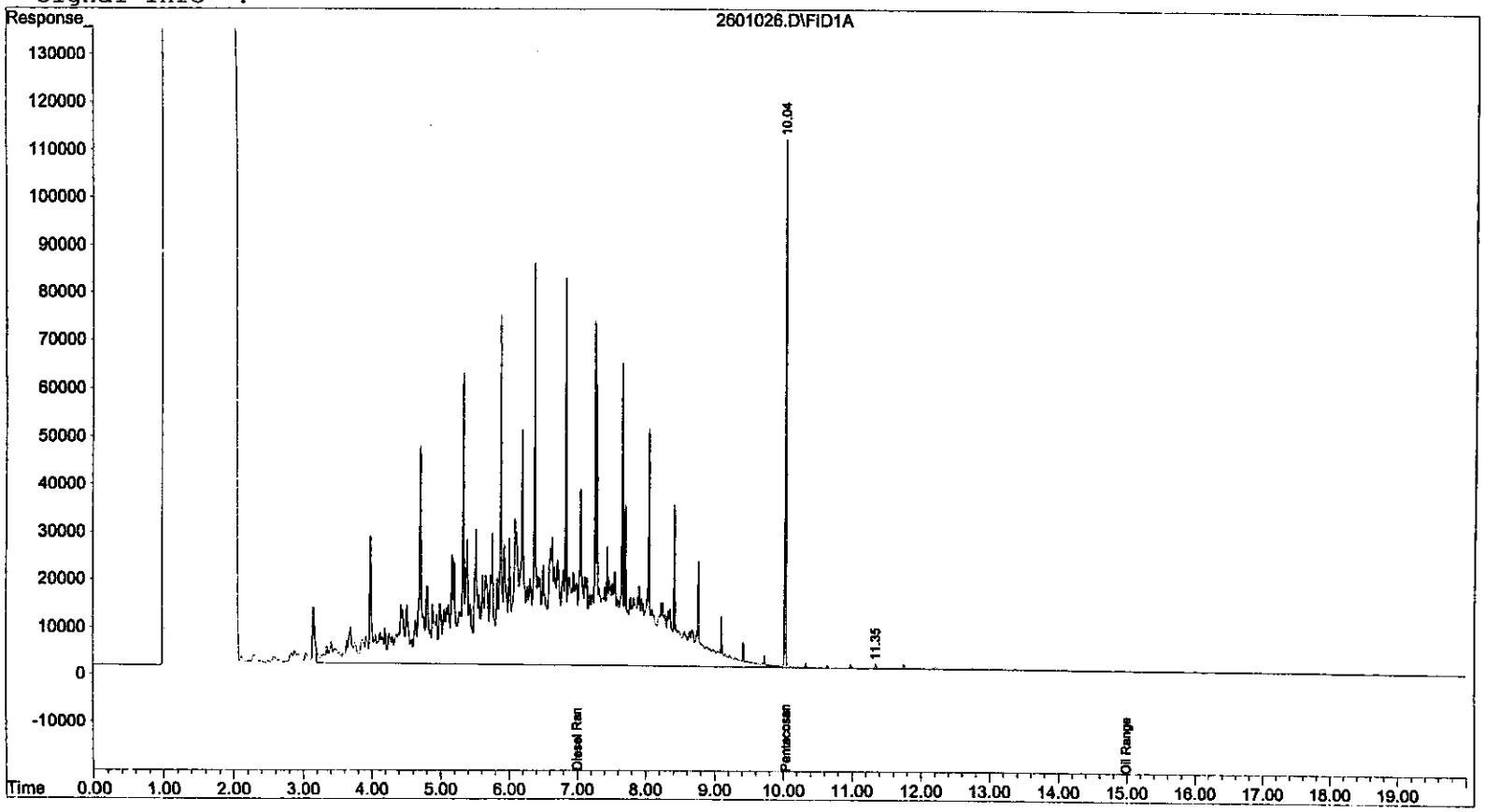
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1156475	28.958 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.83% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	43839478	1075.607 mg/L 108%
3) H Oil Range Organics	15.00	70320	1.725 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
2601026.D 050331.M Thu Jul 21 13:15:15 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2601026.D Vial: 26
Acq : 21 Jul 2005 2:14 Operator: KMI
Sample : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2701027.D Vial: 27
Acq On : 21 Jul 2005 2:39 Operator: KMI
Sample : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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 :

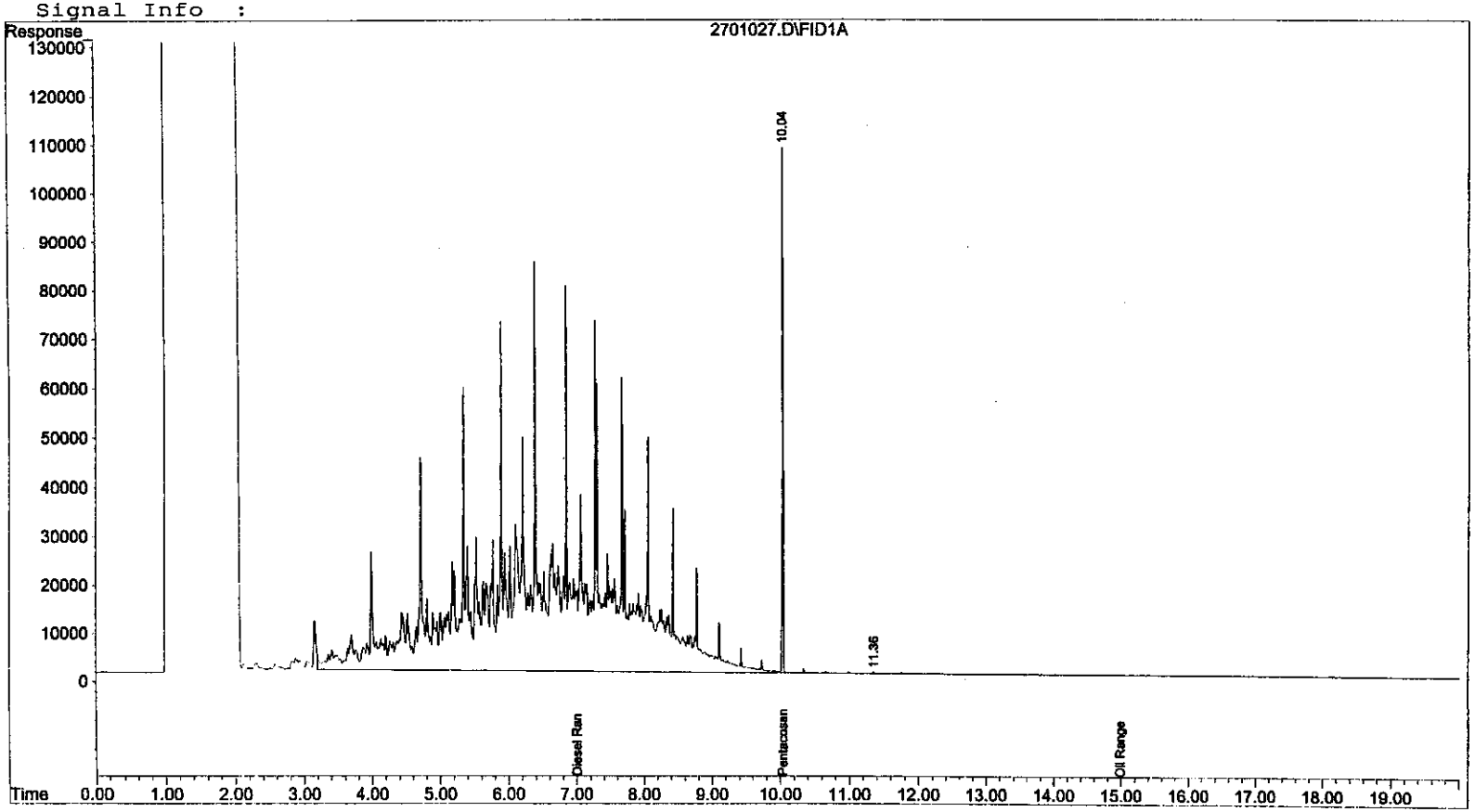
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1144154	28.649 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	114.60% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	42948298	1053.742 mg/L 105%
3) H Oil Range Organics	15.00	25147	0.617 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
2701027.D 050331.M Thu Jul 21 13:15:29 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2701027.D Vial: 27
Acq : 21 Jul 2005 2:39 Operator: KMI
Sampl : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2801028.D Vial: 28
Acq On : 21 Jul 2005 3:05 Operator: KMI
Sample : mb 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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

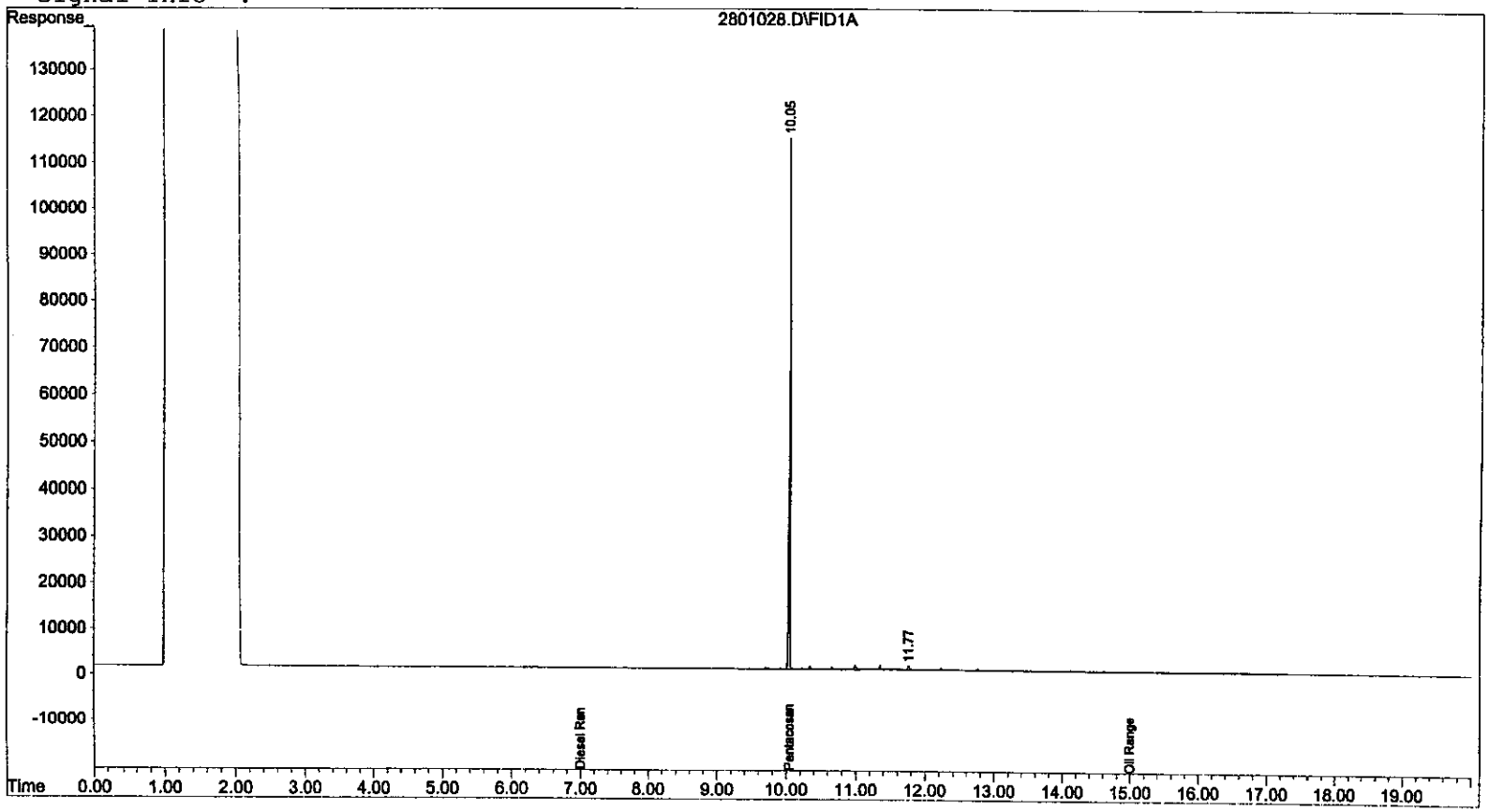
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1192974	29.872 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.49% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	63295	1.553 mg/L
3) H Oil Range Organics	15.00	52956	1.299 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2801028.D Vial: 28
Acq : 21 Jul 2005 3:05 Operator: KMI
Samp : mb 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2901029.D Vial: 29
Acq On : 21 Jul 2005 3:31 Operator: KMI
Sample : lcs 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 19105 Quant Results File: 050331.RES

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

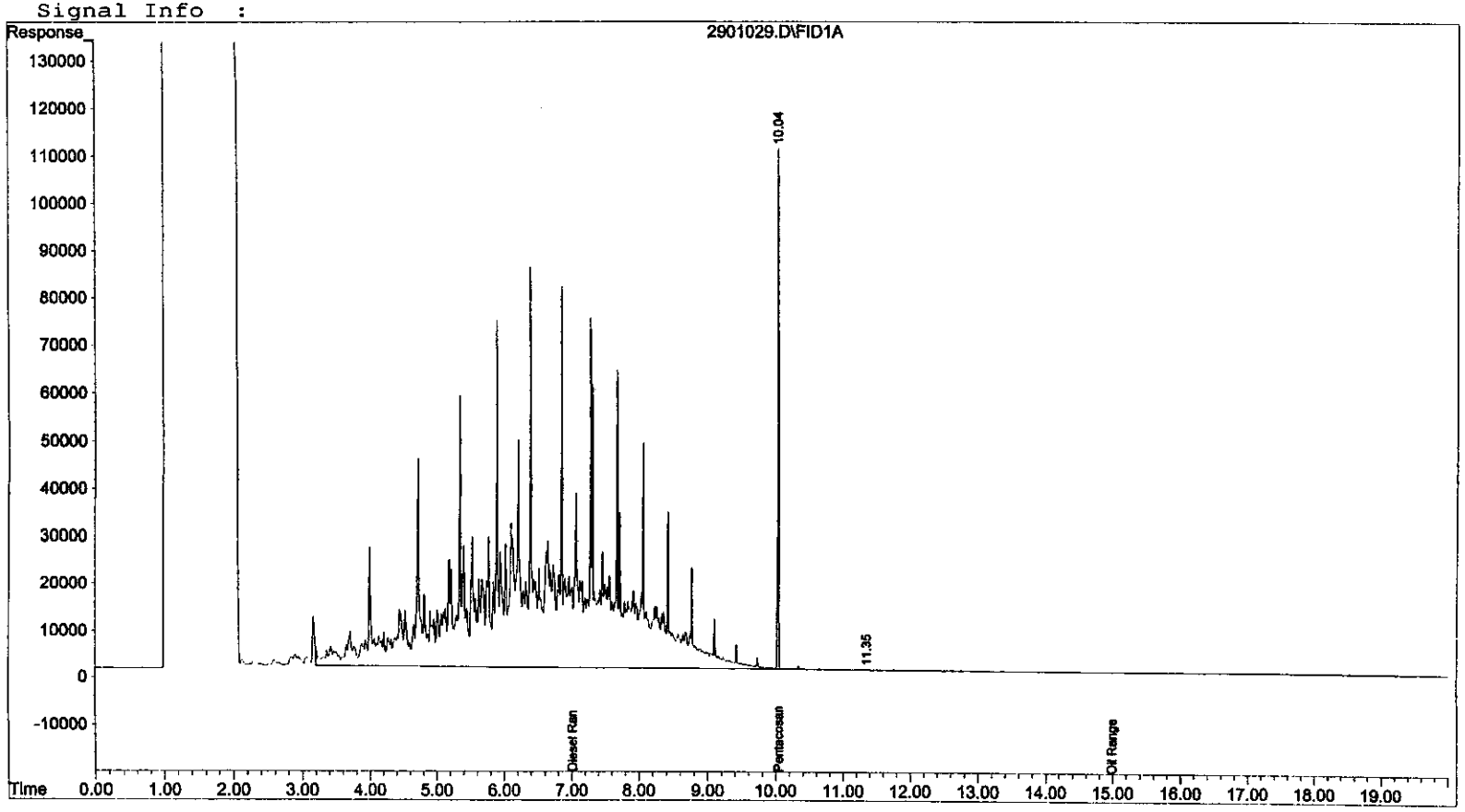
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1116878	27.966 mg/L 112%
Spiked Amount 25.000 Range 80 - 144		Recovery = 111.86%	
Target Compounds			
2) H M Diesel Range Organics	7.00	43294083	1062.226 mg/L 106%
3) H Oil Range Organics	15.00	16779	0.412 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2901029.D Vial: 29
Acq : 21 Jul 2005 3:31 Operator: KMI
Samp : lcs 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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\3001030.D Vial: 30
Acq On : 21 Jul 2005 3:56 Operator: KMI
Sample : 0507-0583 Inst : FID3
Misc : PD-3-SW-1 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

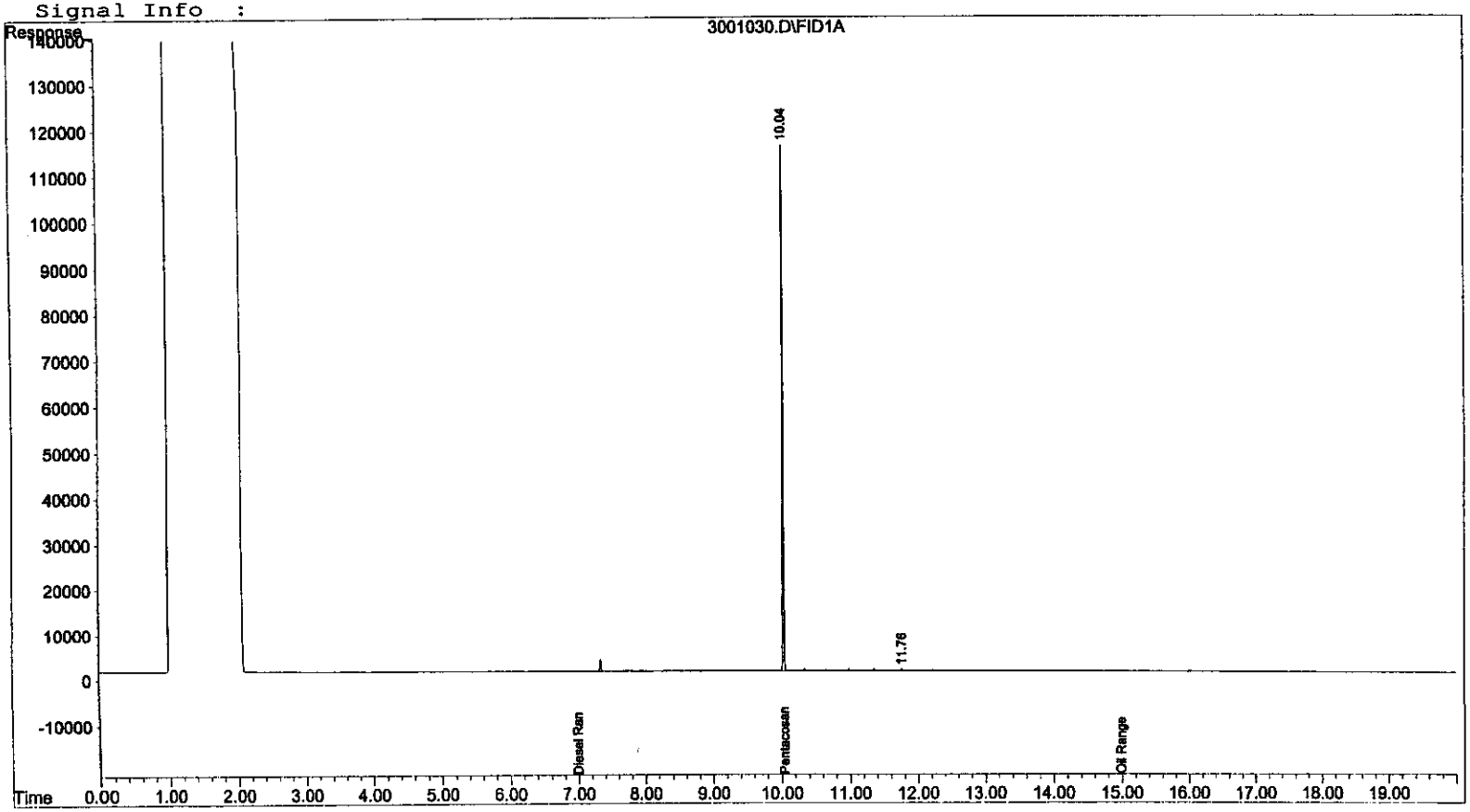
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1191755	29.841 mg/L 119%
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.36%
Target Compounds			
2) H M Diesel Range Organics	7.00	79852	1.959 mg/L
3) H Oil Range Organics	15.00	24782	0.608 mg/L

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

```
Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3001030.D Vial: 30
Acq       : 21 Jul 2005   3:56                          Operator: KMI
Sample    : 0507-0583                                   Inst    : FID3
Misc      : PD-3-SW-1                                   Multiplr: 1.00
IntFile   : EVENTS.E
Quant Time: Jul 21 14:16 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\3101031.D Vial: 31
Acq On : 21 Jul 2005 4:22 Operator: KMI
Sample : 0507-0584 Inst : FID3
Misc : PT-4-SW-2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation In
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	1195084	29.924 mg/L 120%
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.70%
Target Compounds			
2) H M Diesel Range Organics	7.00	6588784	161.657 mg/L 16.0 mg/L
3) H Oil Range Organics	15.00	47603	1.168 mg/L

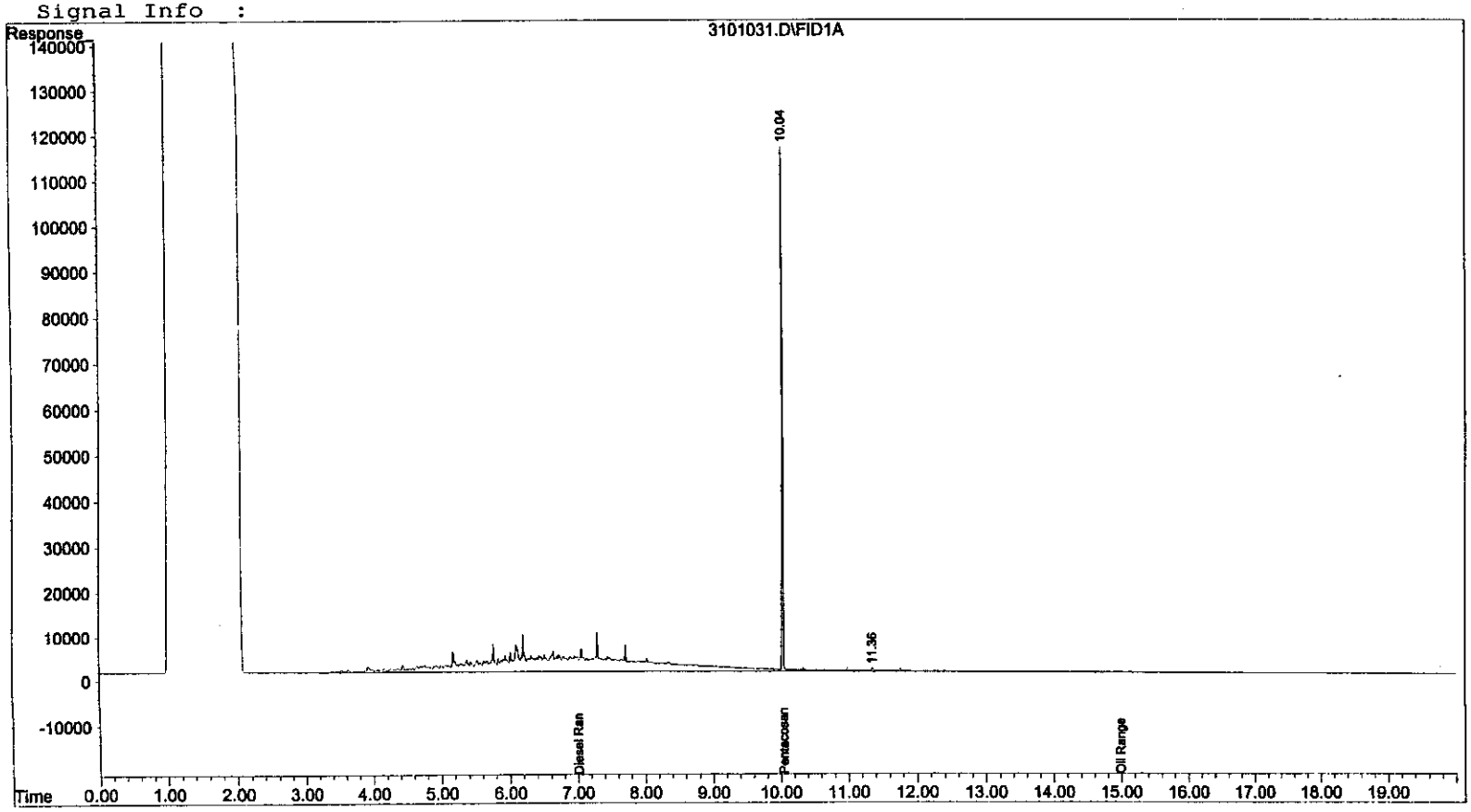
07-21-05

(f)=RT Delta > 1/2 Window (m)=manual int.
3101031.D 050331.M Thu Jul 21 13:16:32 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3101031.D Vial: 31
Acq : 21 Jul 2005 4:22 Operator: KMI
Sample : 0507-0584 Inst : FID3
Misc : PT-4-SW-2 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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\3201032.D Vial: 32
Acq On : 21 Jul 2005 4:48 Operator: KMI
Sample : 0507-0585 Inst : FID3
Misc : PT-4-SW-A Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation Ini
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	1192193	29.852 mg/L 119%
Spiked Amount 25.000 Range 80 - 144		Recovery = 119.41%	
Target Compounds			
2) H M Diesel Range Organics	7.00	12290169	301.541 mg/L 30.0 mg/L
3) H Oil Range Organics	15.00	32360	0.794 mg/L

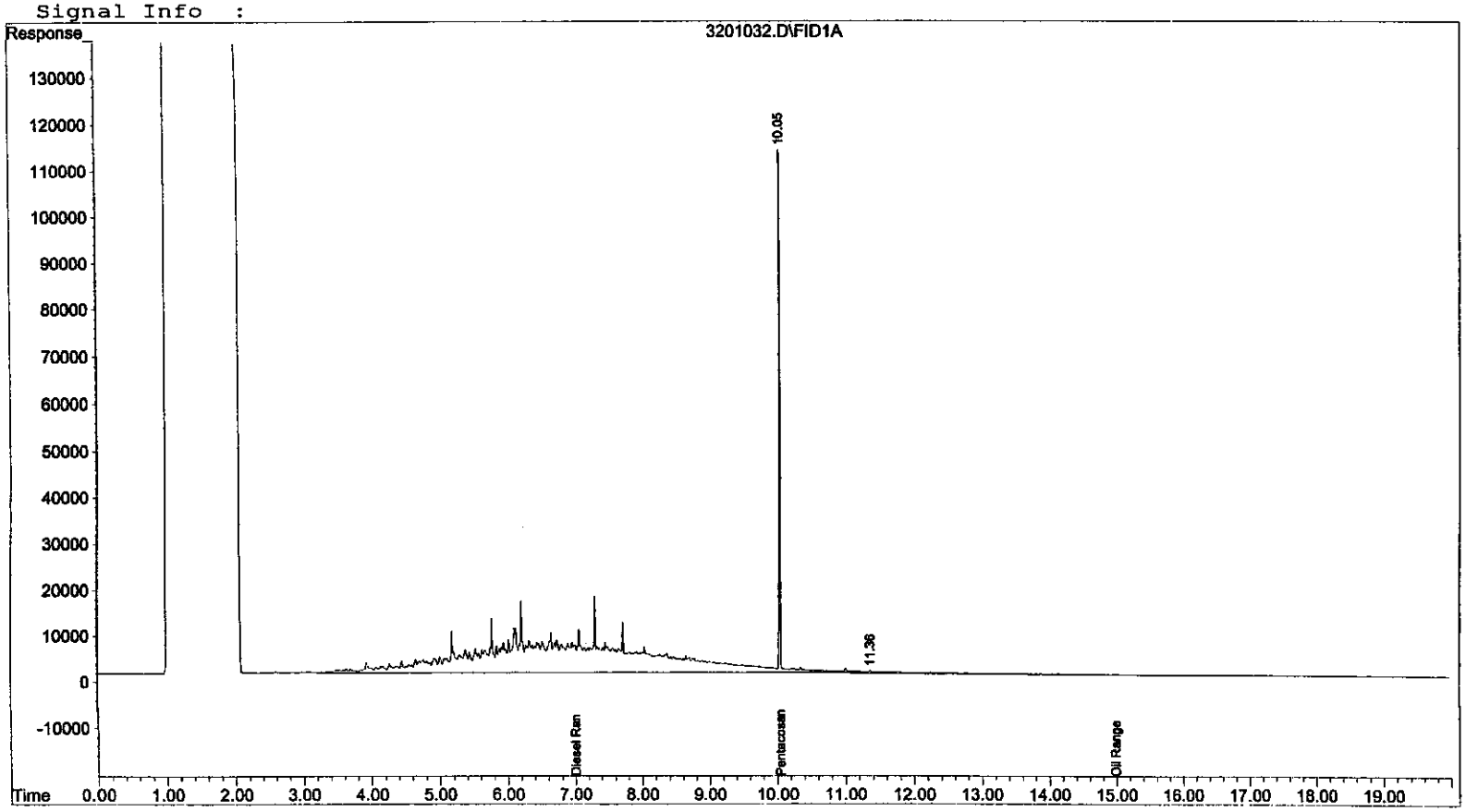
07-21-05

(f)=RT Delta > 1/2 Window (m)=manual int.
3201032.D 050331.M Thu Jul 21 13:16:47 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3201032.D Vial: 32
Acq : 21 Jul 2005 4:48 Operator: KMI
Sample : 0507-0585 Inst : FID3
Misc : PT-4-SW-A Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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\3301033.D Vial: 33
Acq On : 21 Jul 2005 5:13 Operator: KMI
Sample : 0507-0586 Inst : FID3
Misc : PD-5-SW-3 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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

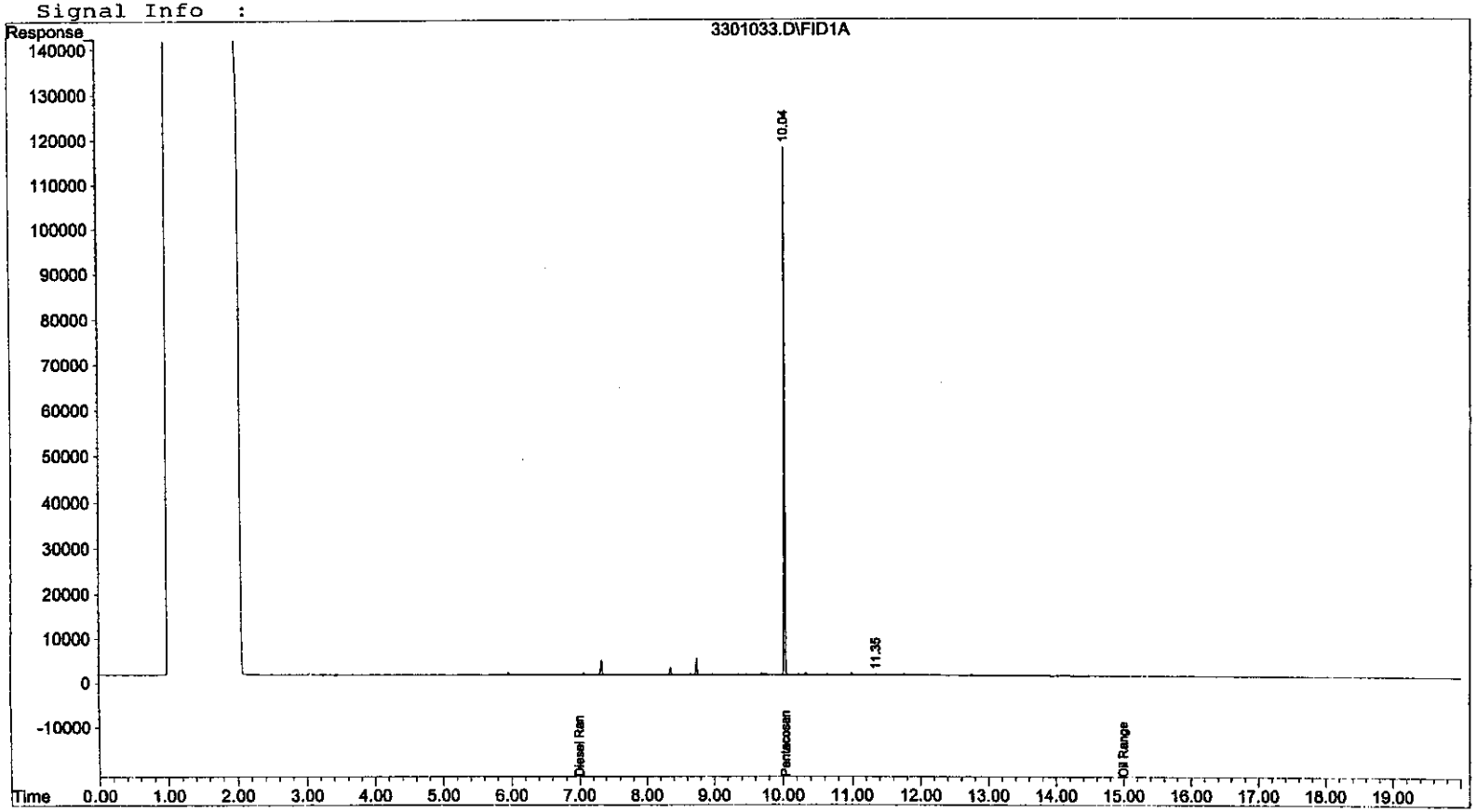
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1180636	29.563 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	118.25% 118%
Target Compounds			
2) H M Diesel Range Organics	7.00	192839	4.731 mg/L
3) H Oil Range Organics	15.00	19225	0.472 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3301033.D Vial: 33
Acq : 21 Jul 2005 5:13 Operator: KMI
Sample : 0507-0586 Inst : FID3
Misc : PD-5-SW-3 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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\3401034.D Vial: 34
Acq On : 21 Jul 2005 5:39 Operator: KMI
Sample : 0507-0587 Inst : FID3
Misc : PD-6-SW-4 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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	1189285	29.779 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.12% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	529822	12.999 mg/L 1.3 mg/L
3) H Oil Range Organics	15.00	26876	0.659 mg/L

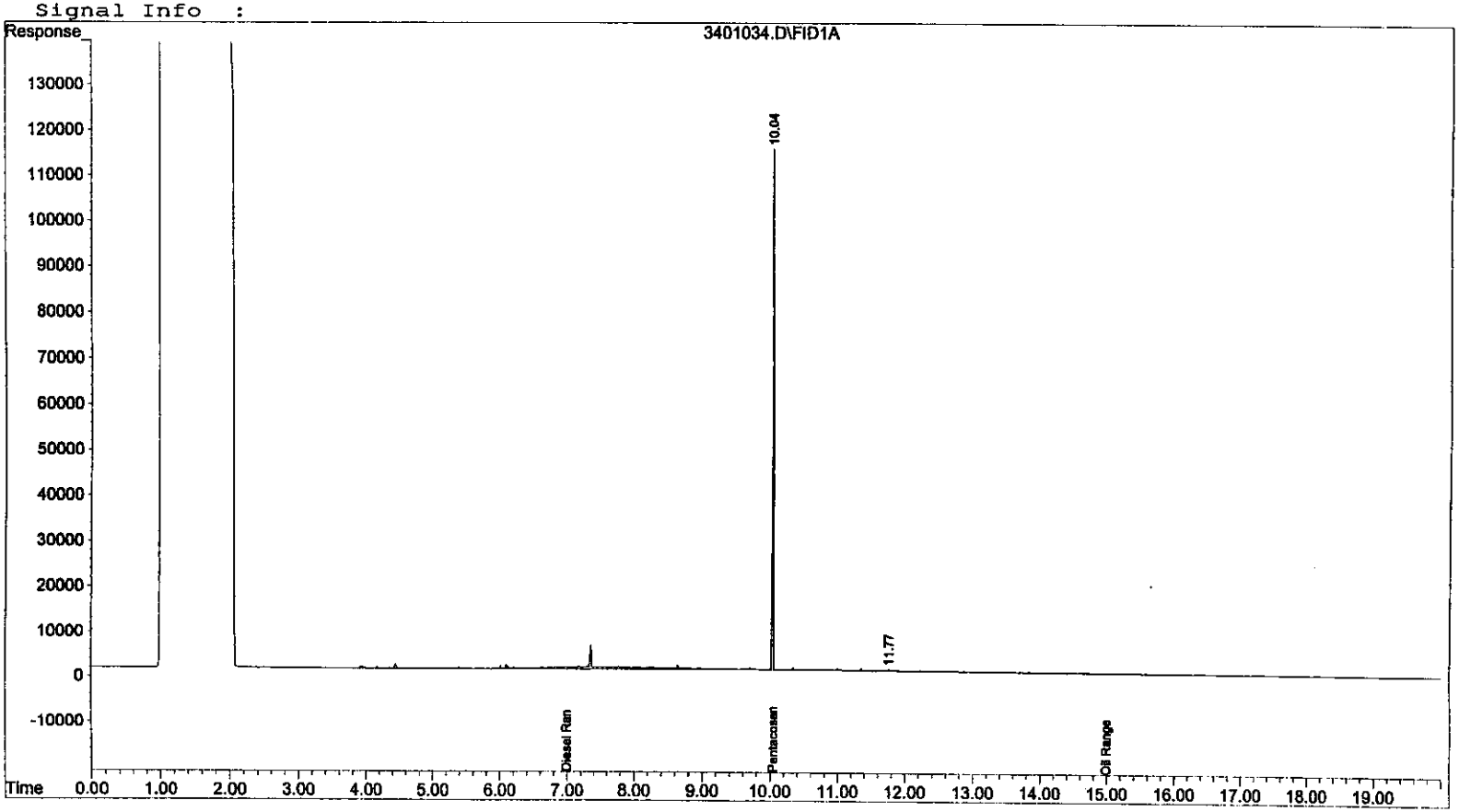
07-21-05

(f)=RT Delta > 1/2 Window (m)=manual int.
3401034.D 050331.M Thu Jul 21 13:17:17 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3401034.D Vial: 34
Acq : 21 Jul 2005 5:39 Operator: KMI
Sample : 0507-0587 Inst : FID3
Misc : PD-6-SW-4 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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\3501035.D Vial: 35
Acq On : 21 Jul 2005 6:04 Operator: KMI
Sample : 0507-0588 Inst : FID3
Misc : PD-7-SW-5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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	1181987	29.596 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	118.38% 118%
Target Compounds			
2) H M Diesel Range Organics	7.00	2900833	71.172 mg/L 71 mg/L
3) H Oil Range Organics	15.00	32861	0.806 mg/L

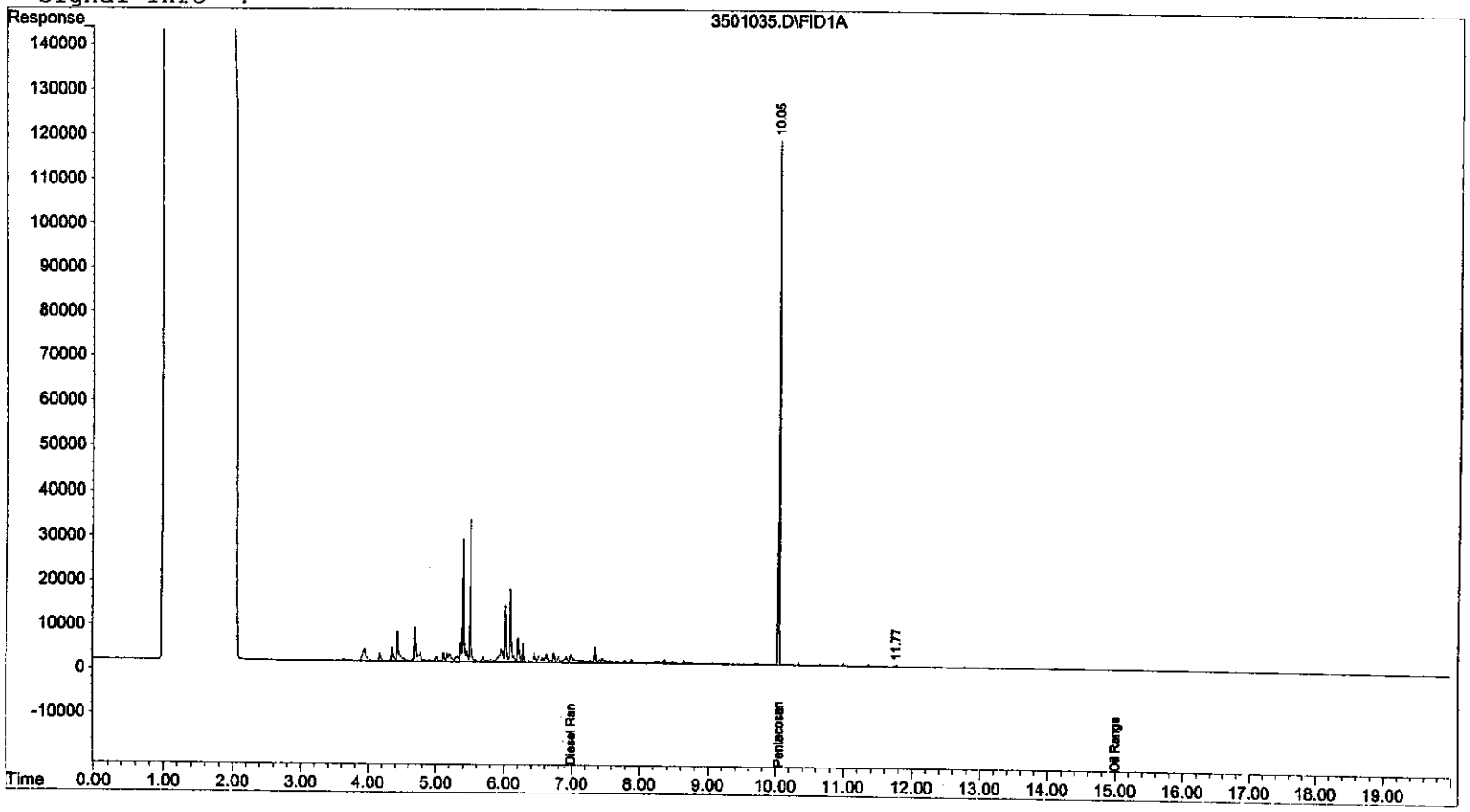
07-21-05

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3501035.D Vial: 35
Acq n : 21 Jul 2005 6:04 Operator: KMI
Sam. e : 0507-0588 Inst : FID3
Misc : PD-7-SW-5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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\3601036.D Vial: 36
Acq On : 21 Jul 2005 6:30 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

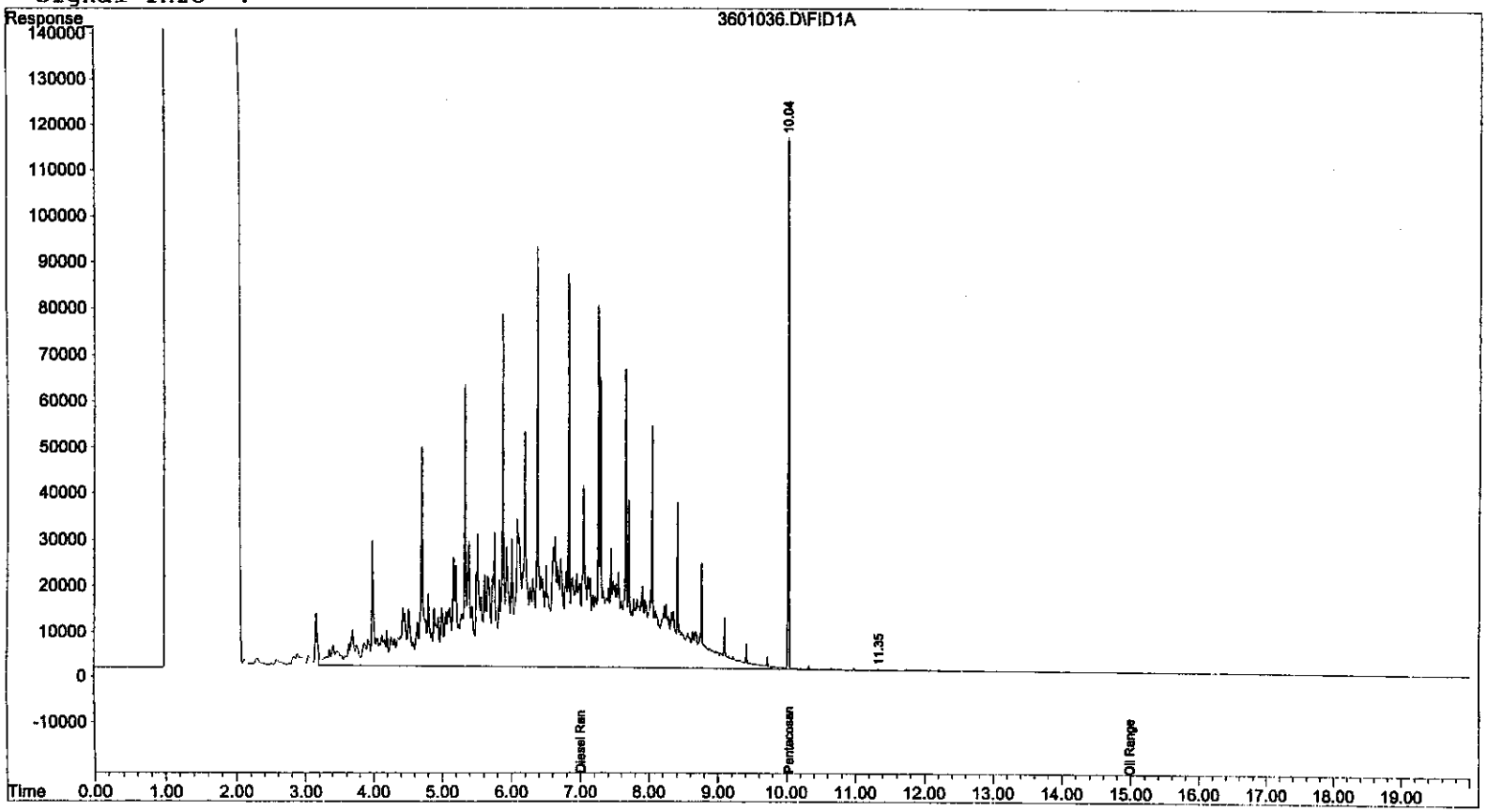
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1197961	29.996 mg/L 120%
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.98%
Target Compounds			
2) H M Diesel Range Organics	7.00	46282939	1135.558 mg/L 114%
3) H Oil Range Organics	15.00	31663	0.777 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
3601036.D 050331.M Thu Jul 21 13:17:46 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3601036.D Vial: 36
Acq : 21 Jul 2005 6:30 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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\3701037.D Vial: 37
Acq On : 21 Jul 2005 6:56 Operator: KMI
Sample : 0507-0589 Inst : FID3
Misc : ~~PD-8-SW-6~~ PDW-9-SW-6 Multiplr: 1.00
tFile : EVENTS.E ECA 07-20-05
ant Time: Jul 21 14:17 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			
S Pentacosane	10.04	1216222	30.454 mg/L
ked Amount 25.000 Range 80 - 144		Recovery =	121.82% 122%
Target Compounds			
H M Diesel Range Organics	7.00	2522469	61.889 mg/L 6.2mg/L
H Oil Range Organics	15.00	31720	0.778 mg/L

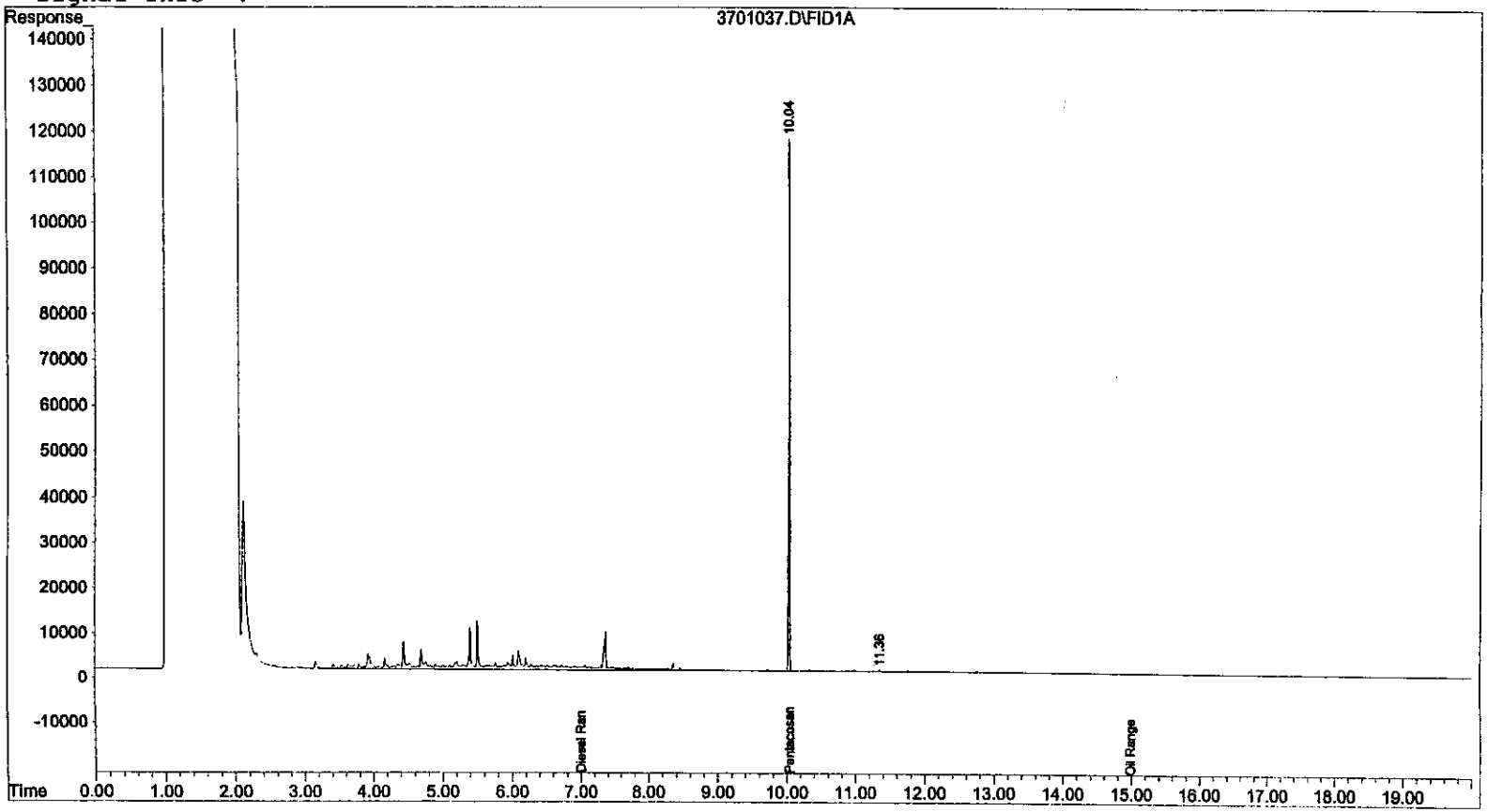
07-21-05

=RT Delta > 1/2 Window (m)=manual int.
1037.D 050331.M Thu Jul 21 13:18:01 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3701037.D Vial: 37
Acq : 21 Jul 2005 6:56 Operator: KMI
Samp : 0507-0589 Inst : FID3
Misc : ~~PD=8=SW=6~~ PD 2-SW 6 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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\3801038.D Vial: 38
Acq On : 21 Jul 2005 7:21 Operator: KMI
Sample : 0507-0590 Inst : FID3
Misc : DW-6-SW-7 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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	1261561	31.589 mg/L 126%
Spiked Amount 25.000 Range 80 - 144		Recovery = 126.36%	
Target Compounds			
2) H M Diesel Range Organics	7.00	62781074	1540.341 mg/L 154.0 mg/L
3) H Oil Range Organics	15.00	159054	3.902 mg/L

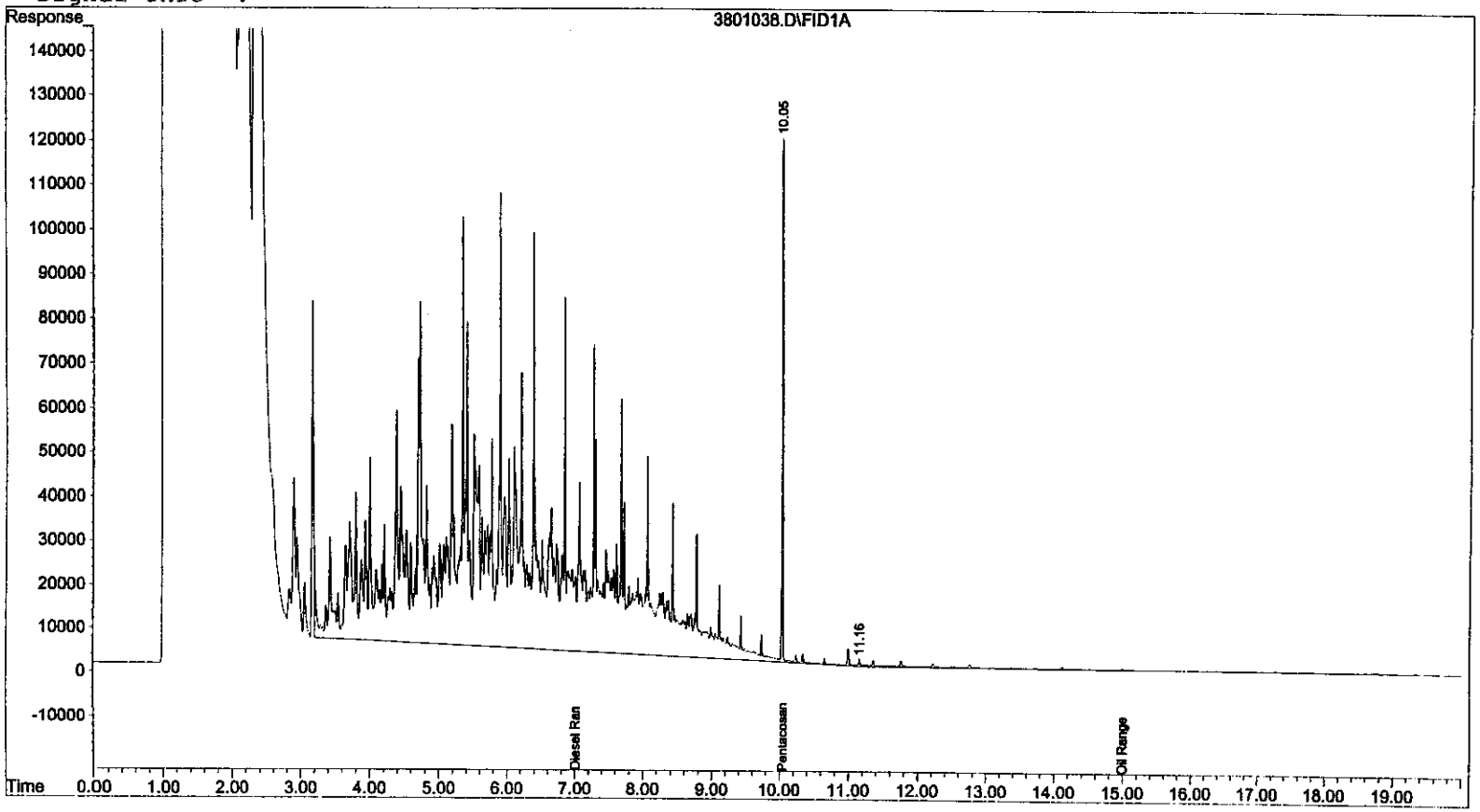
07-21-05

(f)=RT Delta > 1/2 Window (m)=manual int.
3801038.D 050331.M Thu Jul 21 13:18:17 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3801038.D Vial: 38
Acq n : 21 Jul 2005 7:21 Operator: KMI
Sam e : 0507-0590 Inst : FID3
Misc : DW-6-SW-7 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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\4001040.D Vial: 40
Acq On : 21 Jul 2005 8:13 Operator: KMI
Sample : 0507-0670 Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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

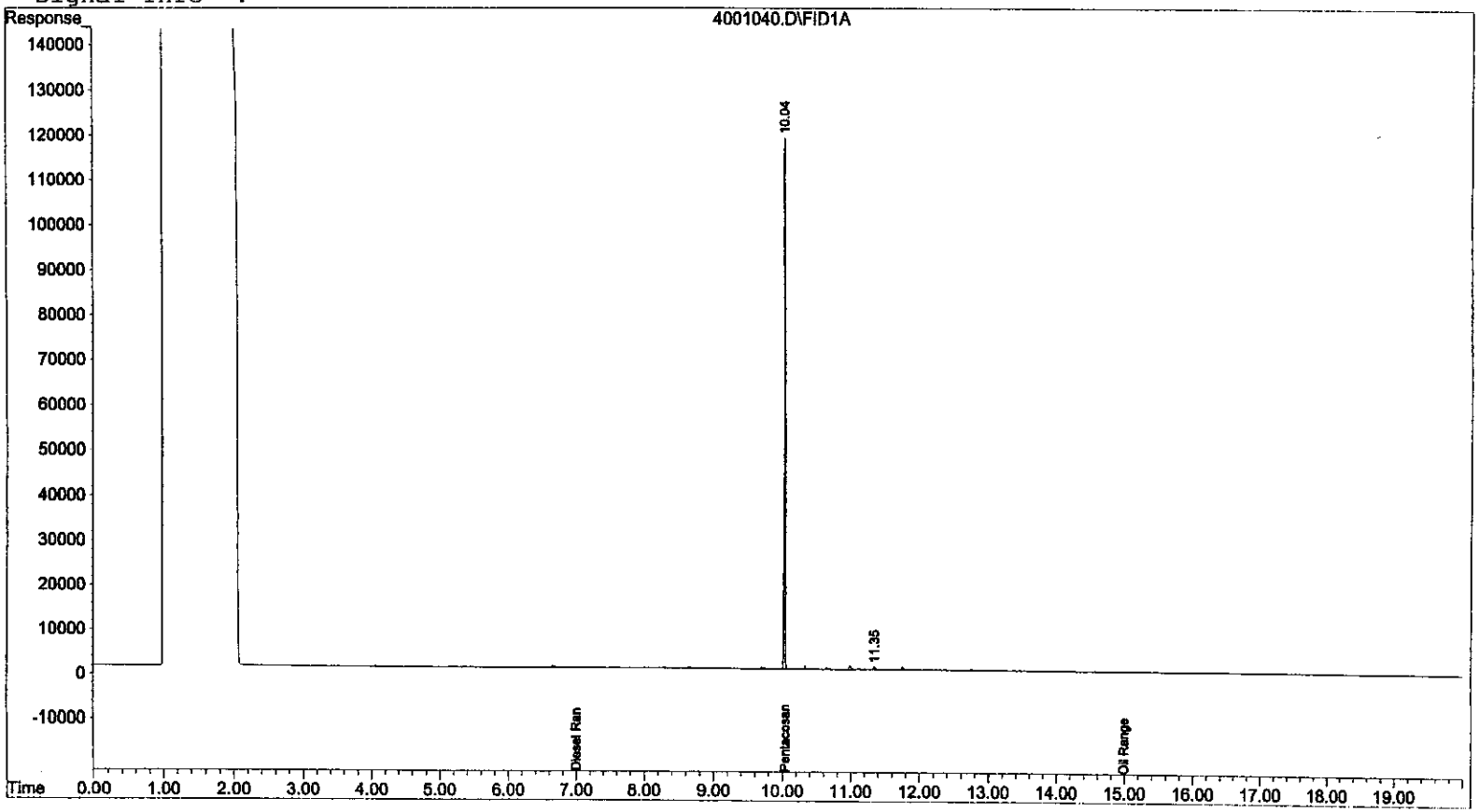
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1252873	31.371 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	125.48% 125%
Target Compounds			
2) H M Diesel Range Organics	7.00	92040	2.258 mg/L
3) H Oil Range Organics	15.00	54272	1.332 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\4001040.D Vial: 40
Acq : 21 Jul 2005 8:13 Operator: KMI
Samp : 0507-0670 Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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\4701047.D Vial: 47
Acq On : 21 Jul 2005 11:13 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:28 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	1162841	29.117 mg/L 116%
Spiked Amount 25.000 Range 80 - 144		Recovery =	116.47%
Target Compounds			
2) H M Diesel Range Organics	7.00	44788357	1098.888 mg/L 110%
3) H Oil Range Organics	15.00	22627	0.555 mg/L

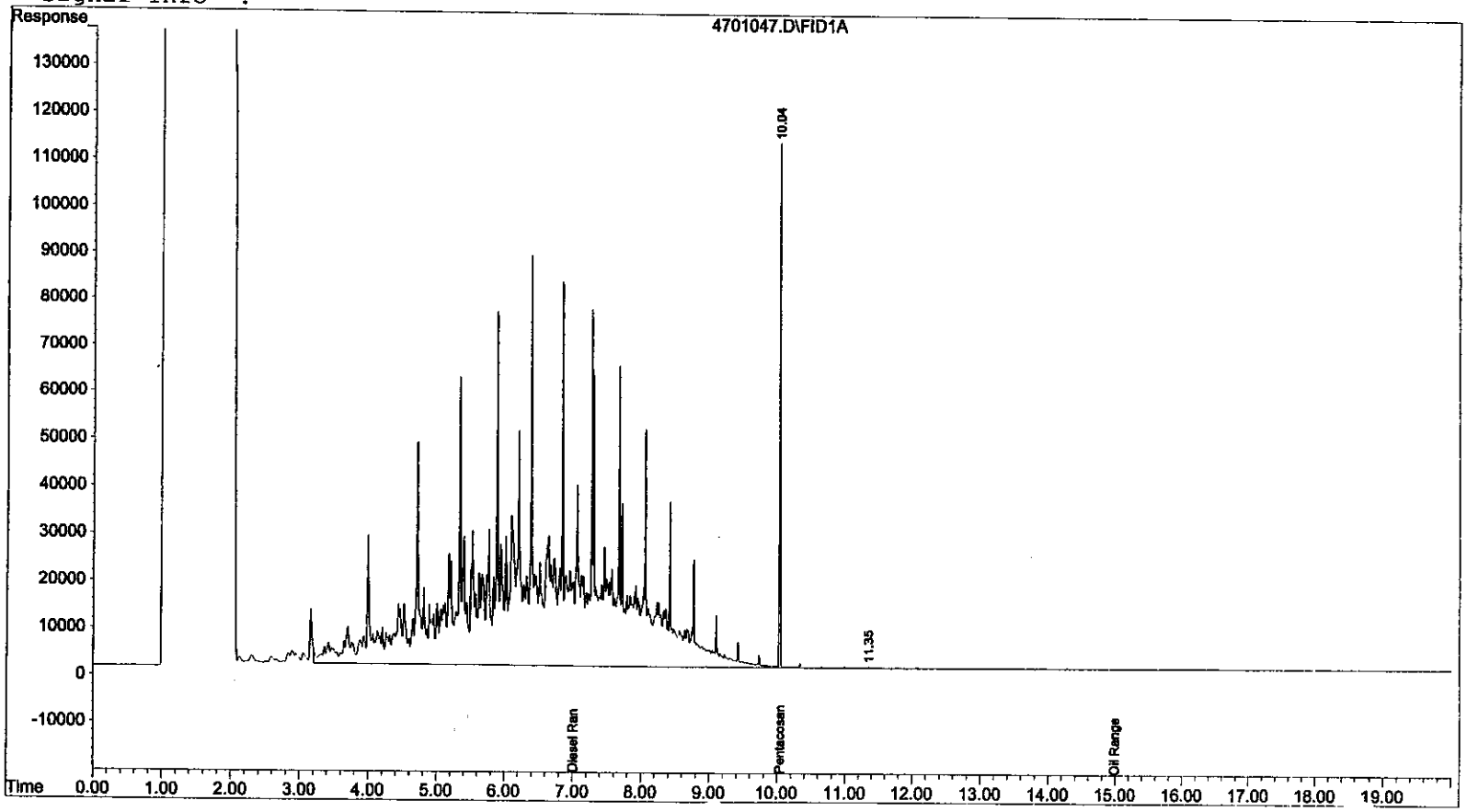
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\4701047.D Vial: 47
Acq On : 21 Jul 2005 11:13 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:28 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\5201052.D Vial: 52
Acq On : 21 Jul 2005 13:22 Operator: KMI
Sample : 0507-0670 ms Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:27 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

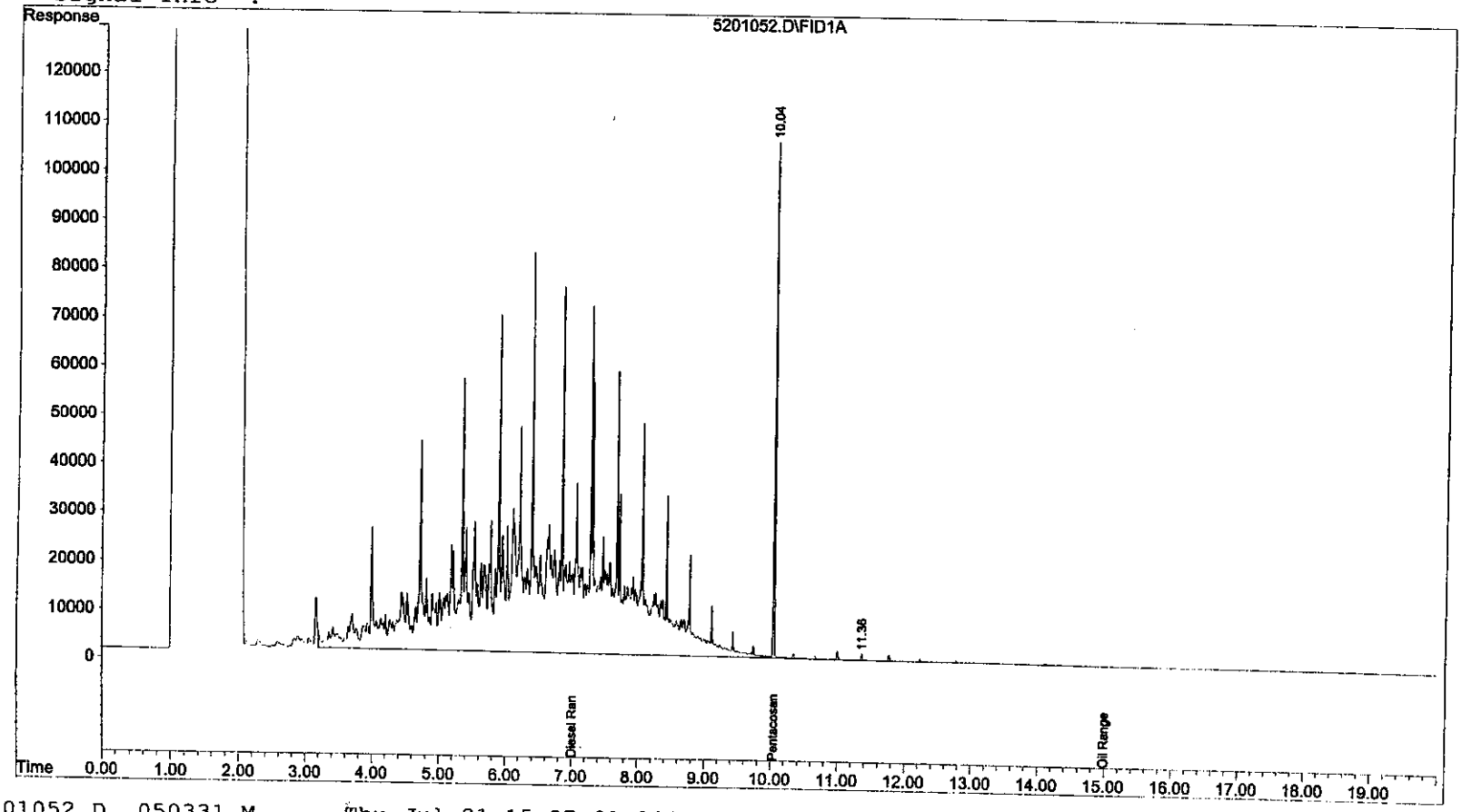
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1101755	27.587 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	110.35% 110%
Target Compounds			
2) H M Diesel Range Organics	7.00	41720585	1023.620 mg/L 103%
3) H Oil Range Organics	15.00	84609	2.076 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050[illegible]0\5201052.D Vial: 52
Acq : 21 Jul 2005 13:22 Operator: KMI
Sample : 0507-0670 ms Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:27 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\5301053.D Vial: 53
Acq On : 21 Jul 2005 13:48 Operator: KMI
Sample : 0507-0670 msd Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:28 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

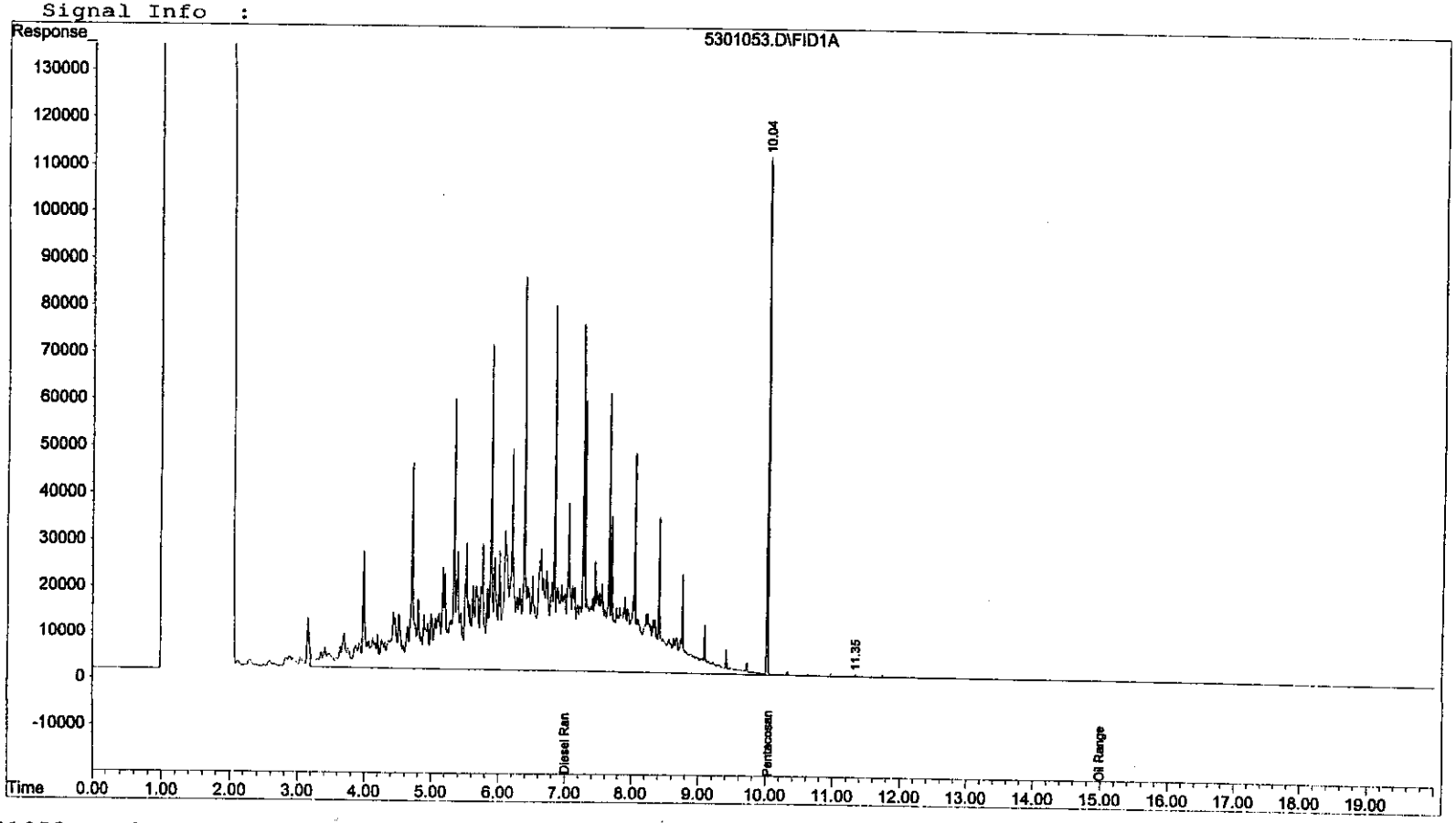
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1122953	28.118 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery = 112.47%	
Target Compounds			
2) H M Diesel Range Organics	7.00	42853077	1051.406 mg/L
3) H Oil Range Organics	15.00	39240	0.963 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\5301053.D Vial: 53
Acq : 21 Jul 2005 13:48 Operator: KMI
Sample : 0507-0670 msd Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:28 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\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

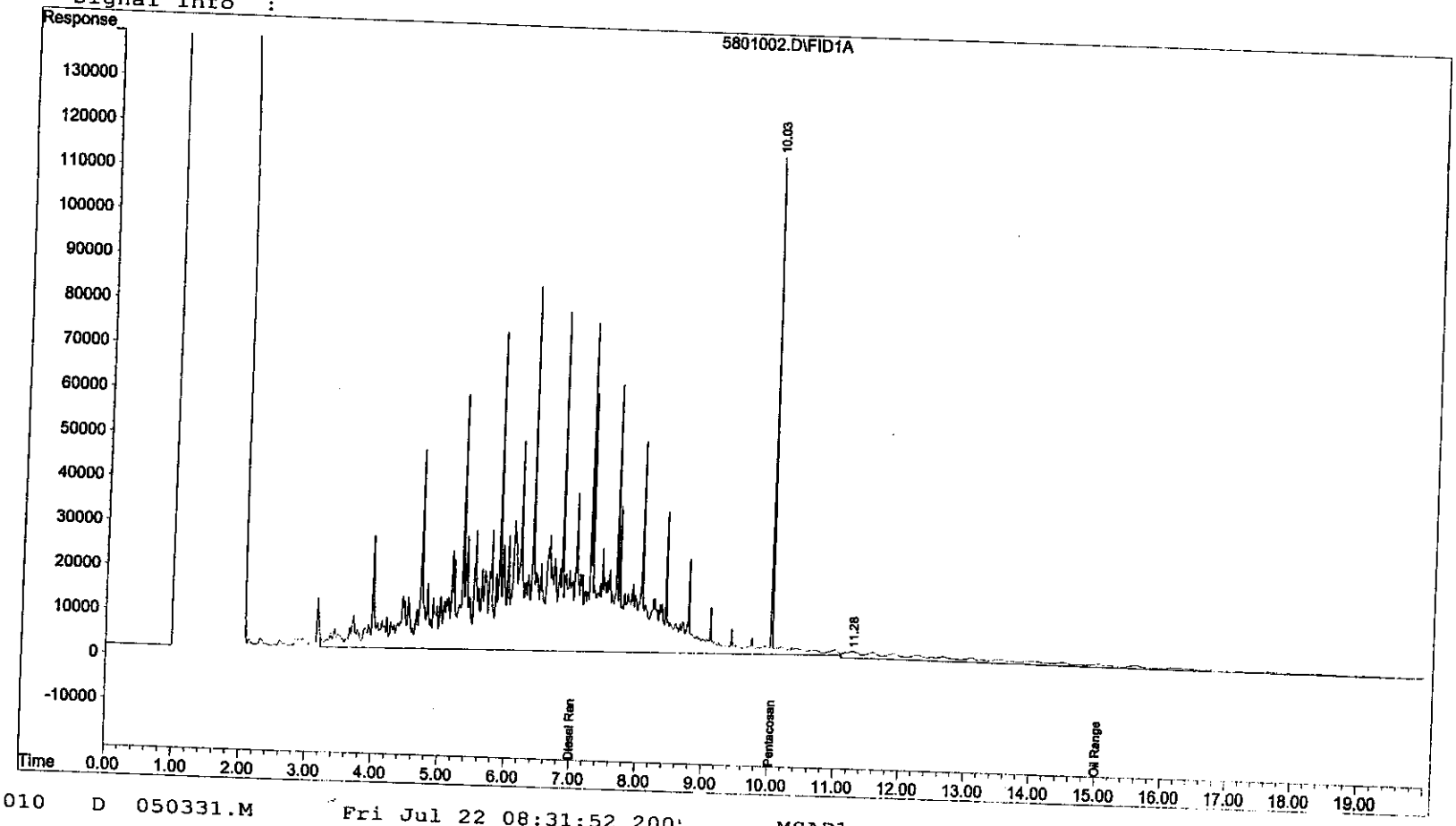
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

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 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 :



Pace Analytical

PACE ANALYTICAL DEL CARIBE

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.: 4

AP 7/19/05

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-355	bcc1	GC-S-1-351	is1	GC-S-1-354	m1	GC-1-111D	ms1	GC-1-109C
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-350	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	7/18/05 10:19 **Run# 3921**	
2	n/a	GRO CCV	n/a	n/a	001F0201	Water	5mL	1	7/18/05 10:51	
3	n/a	BTEX CCV	n/a	n/a	002F0301	Water	5mL	1	7/18/05 11:23	
4	n/a	MB Aq	n/a	2057/2058	003F0401	Water	5mL	1	7/18/05 12:43	
5	n/a	LCS Aq	n/a	2057/2058	004F0501	Water	5mL	1	7/18/05 13:15	
6	n/a	LCSD Aq	n/a	2057/2058	005F0601	Water	5mL	1	7/18/05 13:47	
7	05-1619	0306	n/a	1994/1995	006F0701	Soil	10.01g	5	7/18/05 15:16	
8	05-1619	0310	n/a	1994/1995	007F0801	Soil	10.01g	5	7/18/05 15:48	
9	05-1619	0311	n/a	1994/1995	008F0901	Soil	10.01g	2	7/18/05 16:21	
10	05-1619	0304	n/a	1994/1995	009F1001	Soil	9.98g	10	7/18/05 16:53	
11	05-1713	0803	<2	2057/2058	010F1101	Water	5mL	1	7/18/05 17:25	
12	05-1713	0804	<2	2057/2058	011F1201	Water	5mL	1	7/18/05 17:57 RR 2X E	
13	05-1713	0805	<2	2057/2058	012F1301	Water	5mL	1	7/18/05 18:29	
14	n/a	GRO CCV	n/a	n/a	013F1401	Water	5mL	1	7/18/05 19:02	
15	n/a	BTEX CCV	n/a	n/a	014F1501	Water	5mL	1	7/18/05 19:34	
16	05-1713	0806	<2	2057/2058	015F1601	Water	5mL	1	7/18/05 20:06	
17	05-1713	0807	<2	2057/2058	016F1701	Water	5mL	1	7/18/05 20:39	
18	05-1714	0808	<2	2057/2058	017F1801	Water	5mL	1	7/18/05 21:11	
19	05-1714	0809	<2	2057/2058	018F1901	Water	5mL	1	7/18/05 21:43	
20	05-1714	0810	<2	2057/2058	019F2001	Water	5mL	1	7/18/05 22:16	
21	05-1714	0811	<2	2057/2058	020F2101	Water	5mL	1	7/18/05 22:47	

PACE ANALYTICAL DEL CARIBE

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.: 4

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-355	bcc1	GC-S-1-351	is1	GC-S-1-354	m1	GC-1-111D	ms1	GC-1-109C
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-350	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	n/a	is4	n/a	m4	n/a	ms4	n/a

AP 7/19/05

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
22	05-1714	0812	<2	2057/2058	021F2201	Water	5mL	1	7/18/05 23:20	
23	05-1684	0678	<2	2057	022F2301	Water	5mL	1	7/18/05 23:52	
24	05-1684	0679	>2	2057	023F2401	Water	5mL	1	7/19/05 0:25 **Run# 3923**	Not preserved, pH>2
25	05-1684	0680	<2	2057	024F2501	Water	5mL	1	7/19/05 0:57	Headspace in vial.
26	n/a	GRO CCV	n/a	n/a	025F2601	Water	5mL	1	7/19/05 1:30	
27	n/a	BTEX CCV	n/a	n/a	026F2701	Water	5mL	1	7/19/05 2:02	
28	05-1657	0537	<2	n/a	027F2801	Water	5mL	1	7/19/05 2:35	Foam-over, RR 10X-- DNR
29	05-1657	0538	<2	n/a	028F2901	Water	5mL	1	7/19/05 3:07	Foam-over, RR 10X-- DNR
30	05-1657	0539	<2	n/a	029F3001	Water	5mL	1	7/19/05 3:39	Foam-over, RR 10X-- DNR
31	05-1657	0540	<2	2057/2058	030F3101	Water	5mL	1	7/19/05 4:11	
32	05-1657	0541	<2	2057/2058	031F3201	Water	5mL	1	7/19/05 4:43	RR 20X G--Large unknown peak in GRO range.
33	05-1657	0542	<2	2057/2058	032F3301	Water	5mL	1	7/19/05 5:15	RR 10X G--Large unknown peak in GRO range.
34	n/a	MB Aq	n/a	2059/2060	033F3401	Water	5mL	1	7/19/05 5:48	
35	n/a	LCS Aq	n/a	2059/2060	034F3501	Water	5mL	1	7/19/05 6:20	
36	n/a	LCSD Aq	n/a	2059/2060	035F3601	Water	5mL	1	7/19/05 6:53	
37	05-1657	0543	<2	2059/2060	036F3701	Water	5mL	1	7/19/05 7:25	
38	n/a	GRO CCV	n/a	n/a	037F3801	Water	5mL	1	7/19/05 7:57	
39	n/a	BTEX CCV	n/a	n/a	038F3901	Water	5mL	1	7/19/05 8:30	
40	05-1657	0544	<2	2059/2060	039F4001	Water	5mL	1	7/19/05 9:02	
41	05-1657	0545	<2	2059/2060	040F4101	Water	5mL	1	7/19/05 9:35	
42	05-1665	0583	<2	n/a	041F4201	Water	5mL	1	7/19/05 10:07	Foam-over, RR 10X-- DNR

Pace Analytical

PACE ANAL ICAL DEL CARIBE

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.: 4

KP 7/20/05

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-355	bcc1	GC-S-1-351	is1	GC-S-1-354	m1	GC-1-111D	ms1	GC-1-109C
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	n/a
ss1	GC-S-1-353	gcc1	GC-S-1-350	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	05-1665	0584	<2	2059/2060	042F4301	Water	5mL	1	7/19/05 10:39	Foam-over, RR 10X- DNR
2	05-1713	0804	>2	2059/2060	043F4401	Water	2.5mL	2	7/19/05 11:11	Sample was unpreserved.
3	05-1665	0586	<2	2059/2060	044F4501	Water	5mL	1	7/19/05 11:44	
4	05-1665	0587	<2	2059/2060	045F4601	Water	5mL	1	7/19/05 12:16	Foam-over, RR 10X- DNR
5	05-1665	0588	<2	2059/2060	046F4701	Water	5mL	1	7/19/05 12:48	
6	05-1665	0589	<2	2059/2060	047F4801	Water	5mL	1	7/19/05 13:21	RR 20X G,E,mp
7	05-1665	0590	<2	2059/2060	048F4901	Water	5mL	1	7/19/05 13:52	Foam-over, RR 10X- DNR
8	n/a	GRO CCV	<2	n/a	049F5001	Water	5mL	1	7/19/05 14:25	Reran CCV pair due to carry-over.
9	n/a	BTEX CCV	<2	n/a	050F5101	Water	5mL	1	7/19/05 14:57	
10	n/a	GRO CCV	<2	n/a	052F5201	Water	5mL	1	7/19/05 16:03	
11	n/a	BTEX CCV	<2	n/a	053F5301	Water	5mL	1	7/19/05 16:35	

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: 033F3401.D

	Spike Sample	Spike Duplicate Sample
File ID :	034F3501.D	035F3601.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	19-Jul-2005, 06:20:26	19-Jul-2005, 06:53:12

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1362	1451	82	88	6	20	70-130
Benzene	0.0	23	26	28	113	123	9	20	70-130
Toluene	0.0	123	119	127	97	103	7	20	70-130
Ethylbenzene	0.0	29	27	30	91	100	10	20	70-130
m,p-Xylene	0.0	103	99	103	96	100	4	20	70-130
o-Xylene	0.0	42	37	43	88	103	16	20	70-130

- Fails Limit Check

0617ARCH.M Tue Jul 19 10:06:25 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\025F2601.D\FID1A.CH Vial: 25
Acq On : 19-Jul-2005, 01:30:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\025F2601.D\FID2B.CH Vial: 25
Acq On : 19-Jul-05, 01:30:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:09 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 :

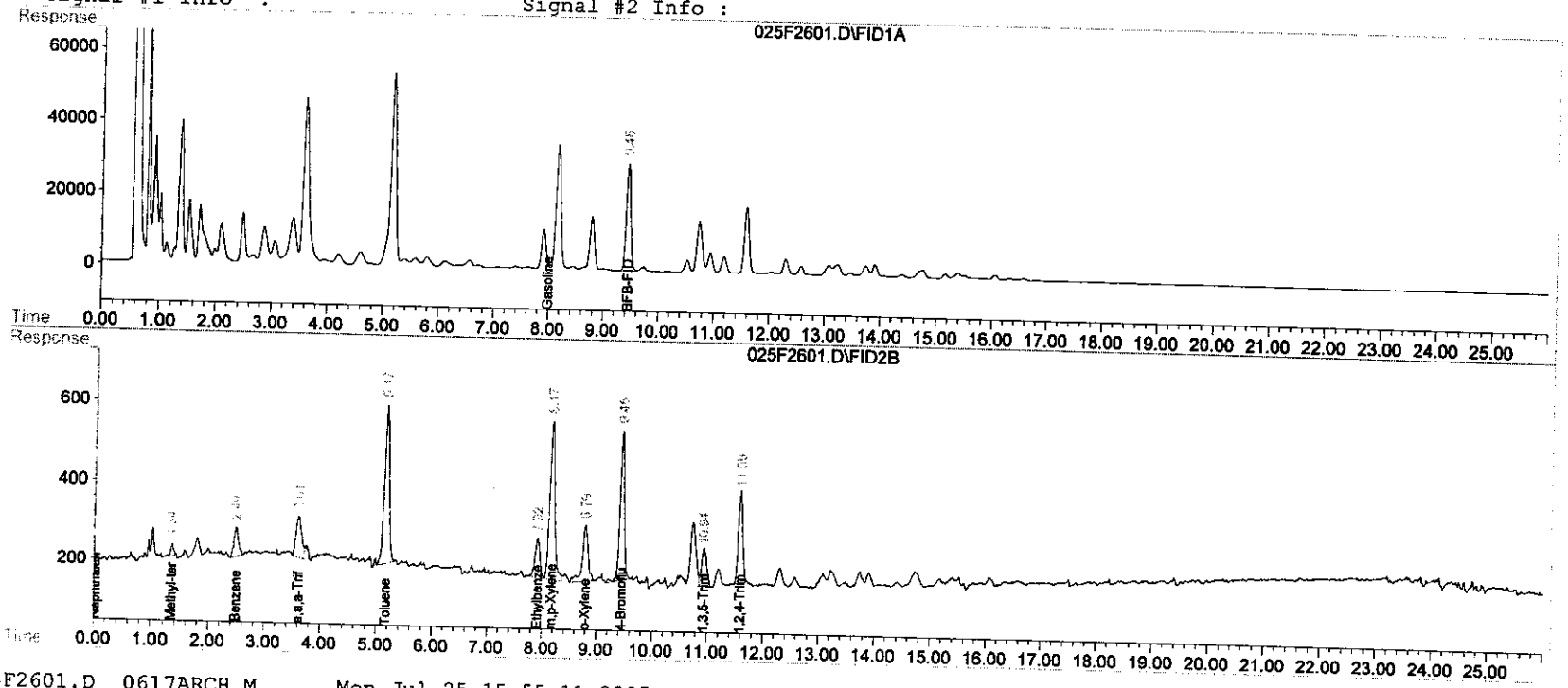
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	7540	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.45	1682609	107.750 ug/L
Spiked Amount 100.000		Recovery =	107.75%
S 4-Bromofluorobenzene	9.45	21402	80.994 ug/L
Spiked Amount 100.000		Recovery =	80.99%
Target Compounds			
1) H T M Gasoline	8.00	25053880	917.967 ug/L
5) T Methyl-tert-butyl ether	1.35	1141	18.399 ug/L
6) T M Benzene	2.49	4283	15.898 ug/L
7) T M Toluene	5.17	23737	62.747 ug/L
8) T M Ethylbenzene	7.92	6101	14.676 ug/L
9) T M m,p-Xylene	8.17	26517	53.314 ug/L
10) T M o-Xylene	8.80	10430	25.618 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	6141	9.692 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13083	27.198 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\025F26 D\FID1A.CH Vial: 25
Acq On : 19-Jul-2005, 01:30:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\025F2601.D\FID2B.CH Vial: 25
Acq On : 19-Jul-05, 01:30:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:09 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\050718\026F2701.D\FID1A.CH Vial: 26
Acq On : 19-Jul-2005, 02:02:36 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\026F2701.D\FID2B.CH Vial: 26
Acq On : 19-Jul-05, 02:02:36 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:10 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	5690	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1626076	104.121 ug/L
Spiked Amount 100.000		Recovery =	104.12%
3 S 4-Bromofluorobenzene	9.45	21398	107.303 ug/L
Spiked Amount 100.000		Recovery =	107.30%
Target Compounds			
1) H T M Gasoline	8.00	19046972	665.187 ug/L
5) T Methyl-tert-butyl ether	1.35	1766	38.270 ug/L
6) T M Benzene	2.48	12068	55.333 ug/L
7) T M Toluene	5.17	16081	56.226 ug/L
8) T M Ethylbenzene	7.91	14702	52.301 ug/L
9) T M m,p-Xylene	8.17	39972	109.046 ug/L
10) T M o-Xylene	8.79	15661	51.909 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	25168	52.635 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	19790	55.650 ug/L
14) T Naphthalene	16.07	10770	57.629 ug/L

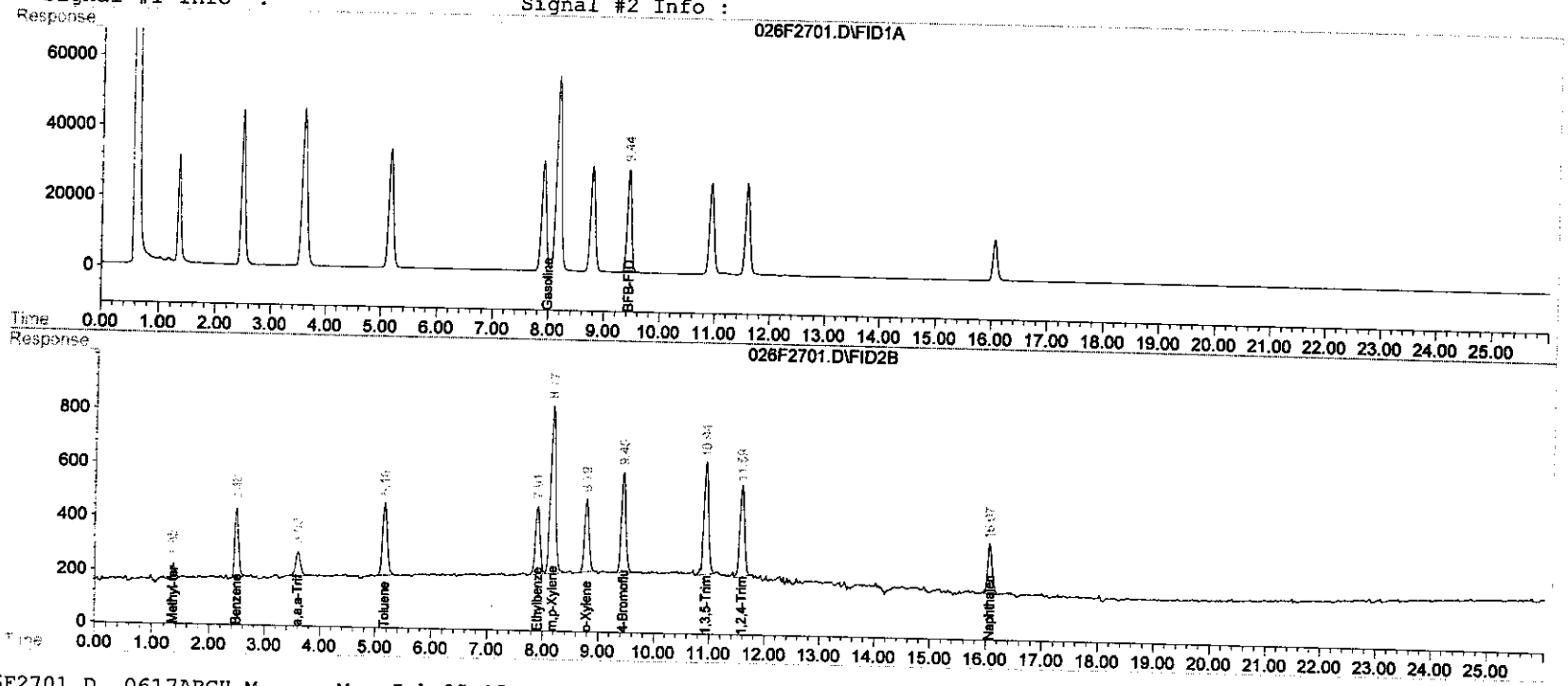
(f)=RT Delta > 1/2 Window (m)=manual int.
026F2701.D 0617ARCH.M Mon Jul 25 15:55:15 2005 VOA

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\026F27 D\FID1A.CH Vial: 26
Acq On : 19-Jul-2005, 02:02:36 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\026F2701.D\FID2B.CH Vial: 26
Acq On : 19-Jul-05, 02:02:36 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:10 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\050718\033F3401.D\FID1A.CH Vial: 33
Acq On : 19-Jul-2005, 05:48:05 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\033F3401.D\FID2B.CH Vial: 33
Acq On : 19-Jul-05, 05:48:05 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:01 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 :

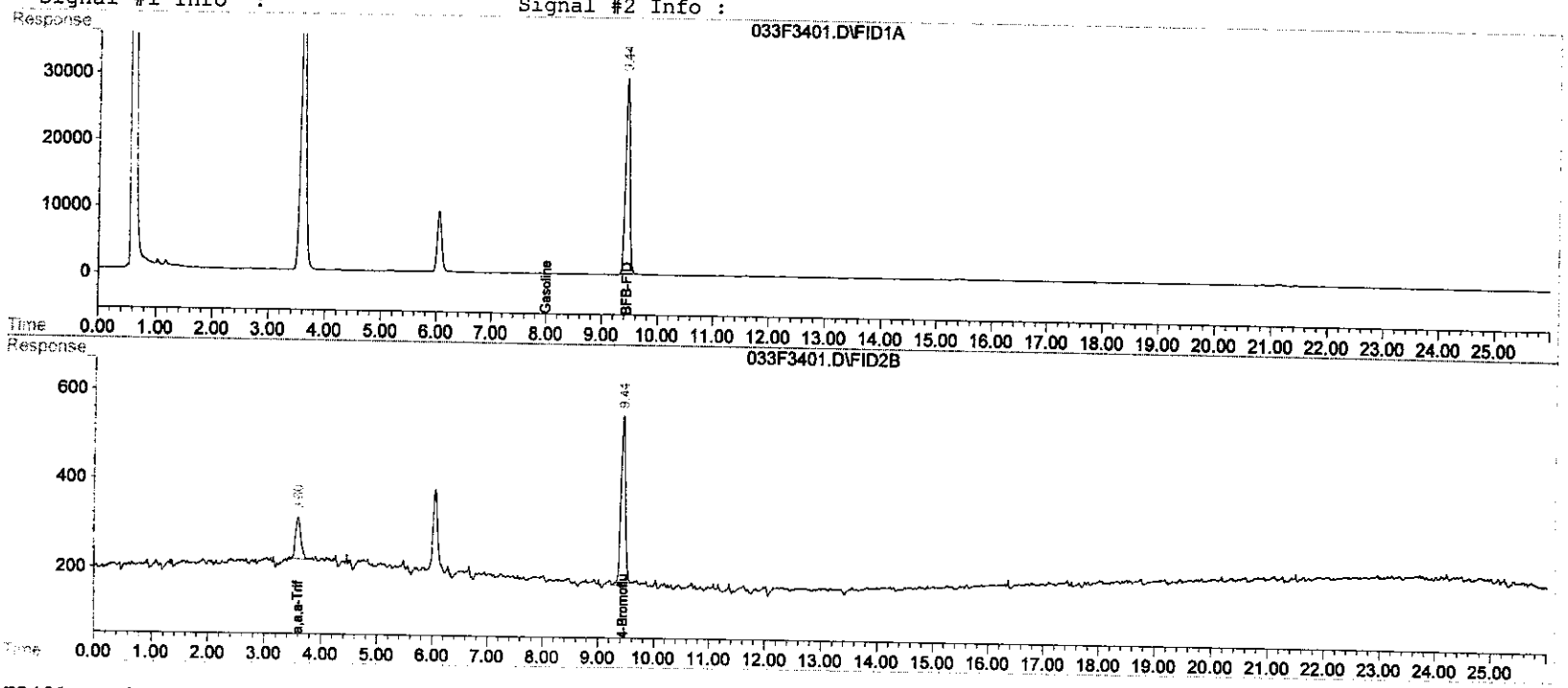
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5926	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1618653	103.644 ug/L
Spiked Amount 100.000		Recovery =	103.64%
3) S 4-Bromofluorobenzene	9.45	20957	100.910 ug/L
Spiked Amount 100.000		Recovery =	100.91%
Target Compounds			
1) H T M Gasoline	8.00	3412813	7.278 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\050718\033F3 D\FID1A.CH Vial: 33
Acq On : 19-Jul-2005, 05:48:05 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\033F3401.D\FID2B.CH Vial: 33
Acq On : 19-Jul-05, 05:48:05 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:01 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\050718\034F3501.D\FID1A.CH Vial: 34
Acq On : 19-Jul-2005, 06:20:26 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\034F3501.D\FID2B.CH Vial: 34
Acq On : 19-Jul-05, 06:20:26 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:01 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 :

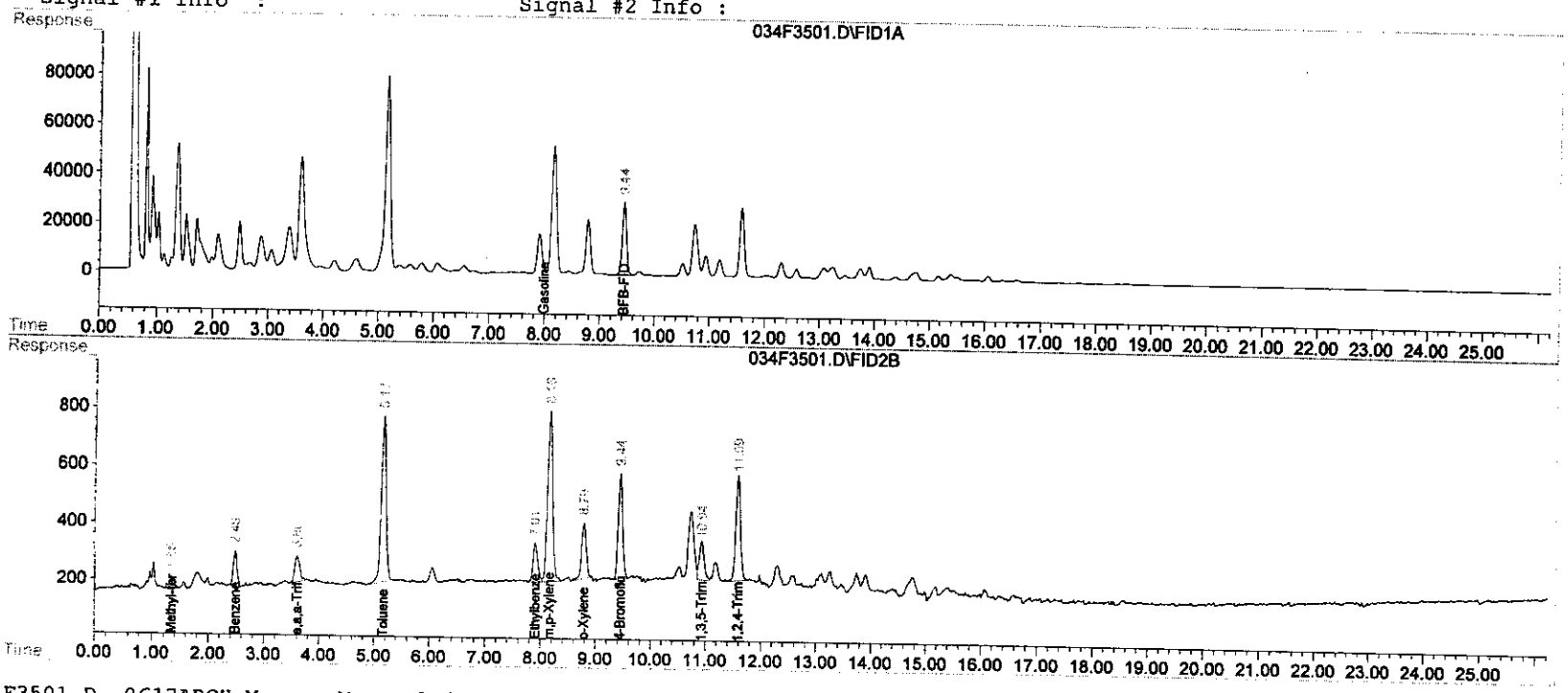
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5984	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1695153	108.555 ug/L
Spiked Amount 100.000		Recovery =	108.56%
S 4-Bromofluorobenzene	9.44	20125	95.961 ug/L
Spiked Amount 100.000		Recovery =	95.96%
Target Compounds			
1) H T M Gasoline	8.00	35611398	1362.244 ug/L
5) T Methyl-tert-butyl ether	1.35	1929	39.753 ug/L
6) T M Benzene	2.49	5711	25.706 ug/L
7) T M Toluene	5.17	35592	119.427 ug/L
8) T M Ethylbenzene	7.91	8247	26.740 ug/L
9) T M m,p-Xylene	8.16	38203	98.865 ug/L
10) T M o-Xylene	8.79	11693	36.578 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	8518	16.938 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	22184	59.394 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Data F: : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\034F3 .D\FID1A.CH Vial: 34
Acq On : 19-Jul-2005, 06:20:26 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\034F3501.D\FID2B.CH Vial: 34
Acq On : 19-Jul-05, 06:20:26 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:01 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\050718\035F3601.D\FID1A.CH Vial: 35
Acq On : 19-Jul-2005, 06:53:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\035F3601.D\FID2B.CH Vial: 35
Acq On : 19-Jul-05, 06:53:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 11:05 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	6224	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1688451	108.125 ug/L
Spiked Amount 100.000		Recovery =	108.13%
1[illegible] S 4-Bromofluorobenzene	9.44	21345	97.846 ug/L
S[illegible]ed Amount 100.000		Recovery =	97.85%
Target Compounds			
1) H T M Gasoline	8.00	37729563	1451.380 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.49	6526	28.097 ug/L
7) T M Toluene	5.17	39495	127.472 ug/L
8) T M Ethylbenzene	7.91	9394	29.519 ug/L
9) T M m,p-Xylene	8.16	41383	103.066 ug/L
10) T M o-Xylene	8.79	14182	42.808 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	10015	19.148 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	25162	64.867 ug/L
14) T Naphthalene	16.06	1843	12.300 ug/L

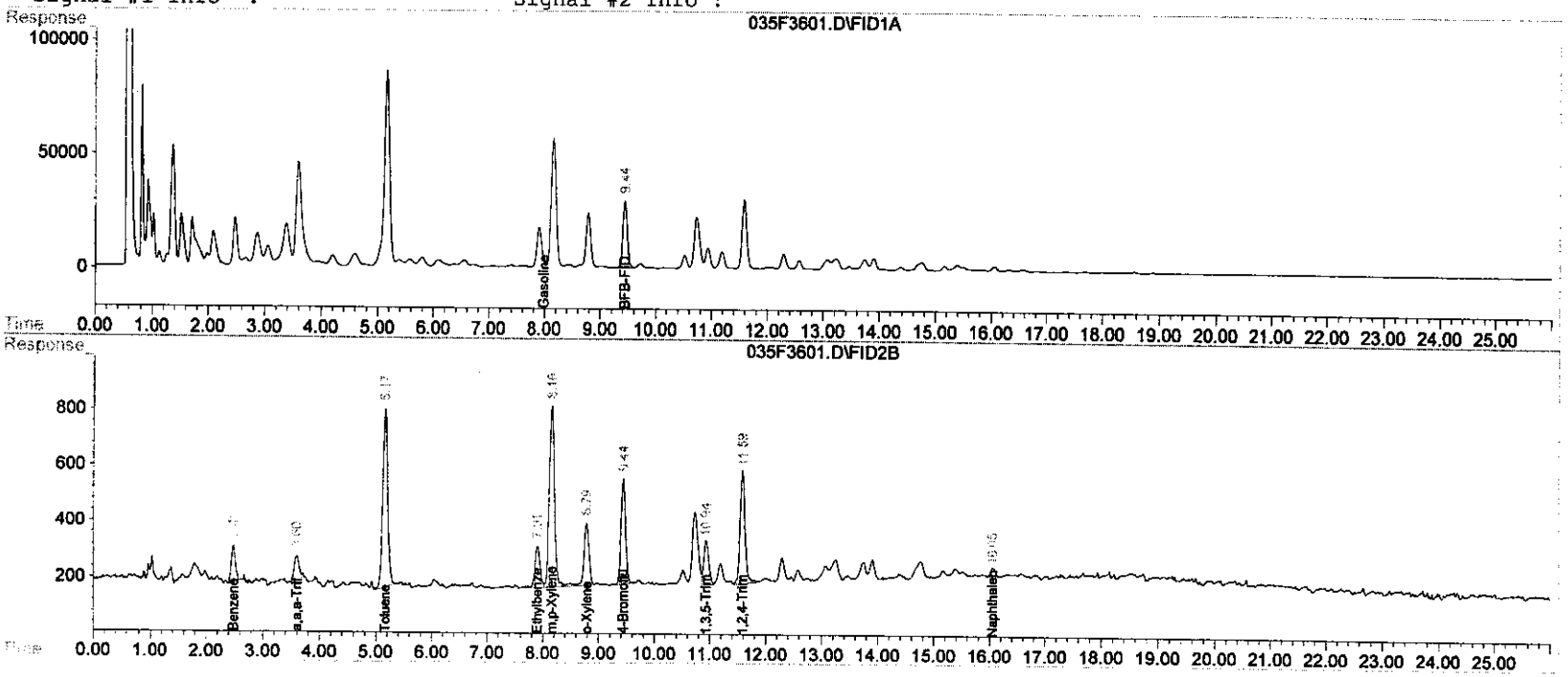
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\035F36 D\FID1A.CH Vial: 35
Acq On : 19-Jul-2005, 06:53:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\035F3601.D\FID2B.CH Vial: 35
Acq On : 19-Jul-05, 06:53:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 11:05 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\050718\037F3801.D\FID1A.CH Vial: 37
Acq On : 19-Jul-2005, 07:57:45 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\037F3801.D\FID2B.CH Vial: 37
Acq On : 19-Jul-05, 07:57:45 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:11 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 :

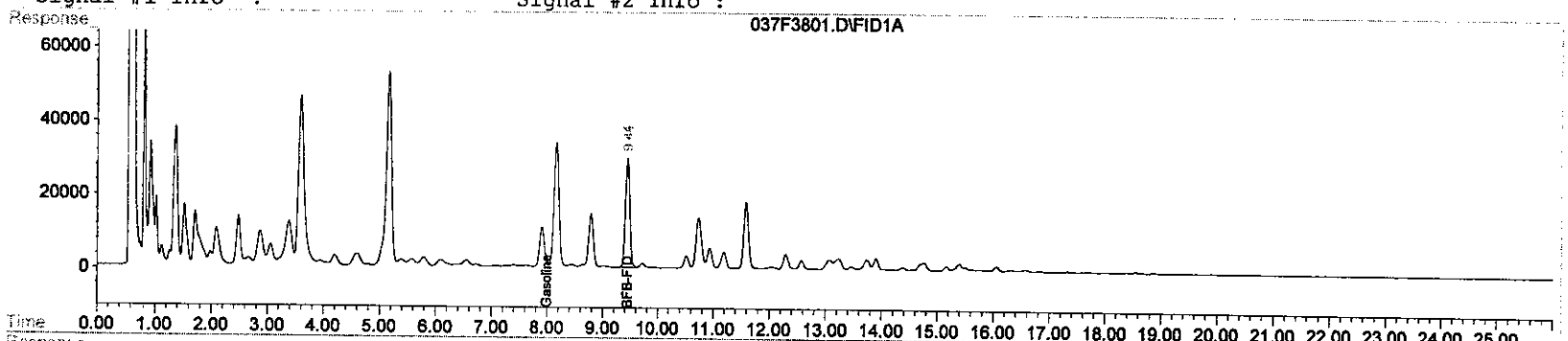
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6758	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1670980	107.003 ug/L
Spiked Amount 100.000		Recovery =	107.00%
3 S 4-Bromofluorobenzene	9.44	21897	92.454 ug/L
Spiked Amount 100.000		Recovery =	92.45%
Target Compounds			
1) H T M Gasoline	8.00	24524752	895.701 ug/L
5) T Methyl-tert-butyl ether	1.35	1112	20.059 ug/L
6) T M Benzene	2.48	3767	15.630 ug/L
7) T M Toluene	5.17	22948	67.756 ug/L
8) T M Ethylbenzene	7.91	6105	16.676 ug/L
9) T M m,p-Xylene	8.17	23766	53.310 ug/L
10) T M o-Xylene	8.80	8223	22.421 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	5893	10.378 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	14744	34.489 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

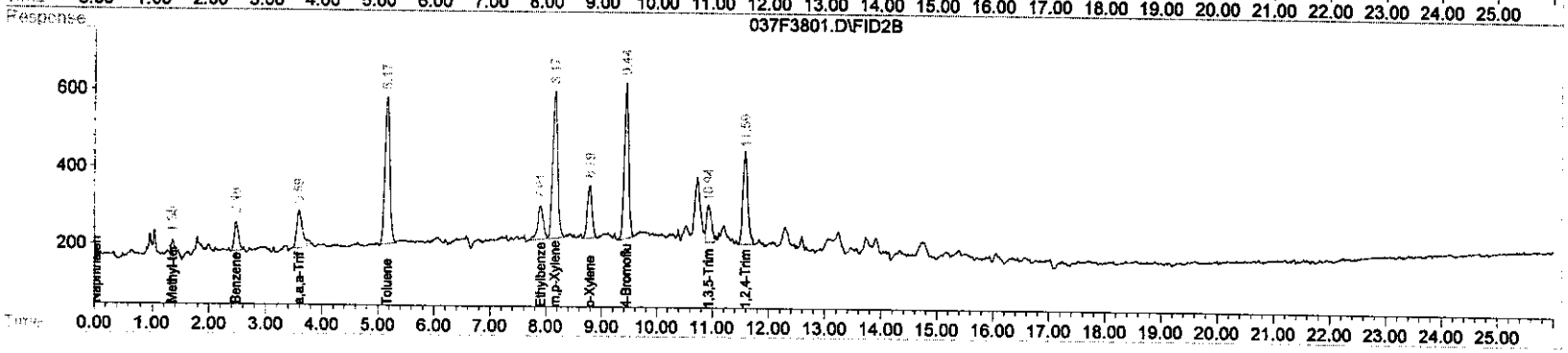
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\037F3(D\FID1A.CH Vial: 37
Acq On : 19-Jul-2005, 07:57:45 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\037F3801.D\FID2B.CH Vial: 37
Acq On : 19-Jul-05, 07:57:45 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:11 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\050718\038F3901.D\FID1A.CH Vial: 38
Acq On : 19-Jul-2005, 08:30:26 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\038F3901.D\FID2B.CH Vial: 38
Acq On : 19-Jul-05, 08:30:26 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:12 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	3.61	6788	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1603648	102.681 ug/L
Spiked Amount 100.000		Recovery =	102.68%
S 4-Bromofluorobenzene	9.44	20679	86.925 ug/L
Spiked Amount 100.000		Recovery =	86.93%
Target Compounds			
1) H T M Gasoline	8.00	19301714	675.907 ug/L
5) T Methyl-tert-butyl ether	1.35	2397	43.610 ug/L
6) T M Benzene	2.48	13486	51.926 ug/L
7) T M Toluene	5.17	15959	46.605 ug/L
8) T M Ethylbenzene	7.91	15049	44.528 ug/L
9) T M m,p-Xylene	8.17	40047	91.171 ug/L
10) T M o-Xylene	8.79	16511	45.764 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	25660	44.986 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	20316	47.733 ug/L
14) T Naphthalene	16.07	11778	53.155 ug/L

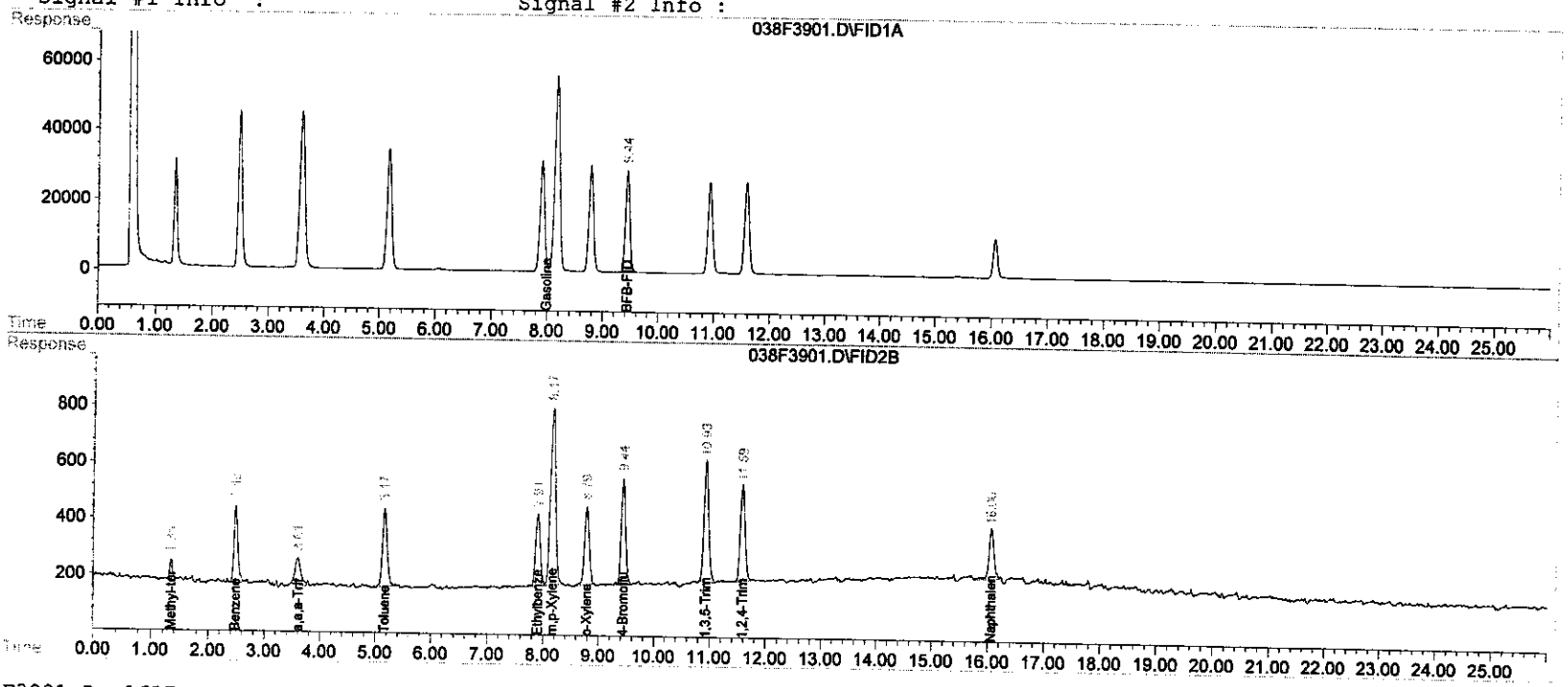
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi. : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\038F39 D\FID1A.CH Vial: 38
Acq On : 19-Jul-2005, 08:30:26 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\038F3901.D\FID2B.CH Vial: 38
Acq On : 19-Jul-05, 08:30:26 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 10:12 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\050718\044F4501.D\FID1A.CH Vial: 44
Acq On : 19-Jul-2005, 11:44:24 Operator: RG
Sample : 1665-0586,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\044F4501.D\FID2B.CH Vial: 44
Acq On : 19-Jul-05, 11:44:24 Operator: RG
Sample : 1665-0586,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 13:19 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 :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6757	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1630950	104.433 ug/L
Spiked Amount 100.000		Recovery =	104.43%
S 4-Bromofluorobenzene	9.44	20427	86.260 ug/L
ked Amount 100.000		Recovery =	86.26%
Target Compounds			
1) H T M Gasoline	8.00	3391639	6.387 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

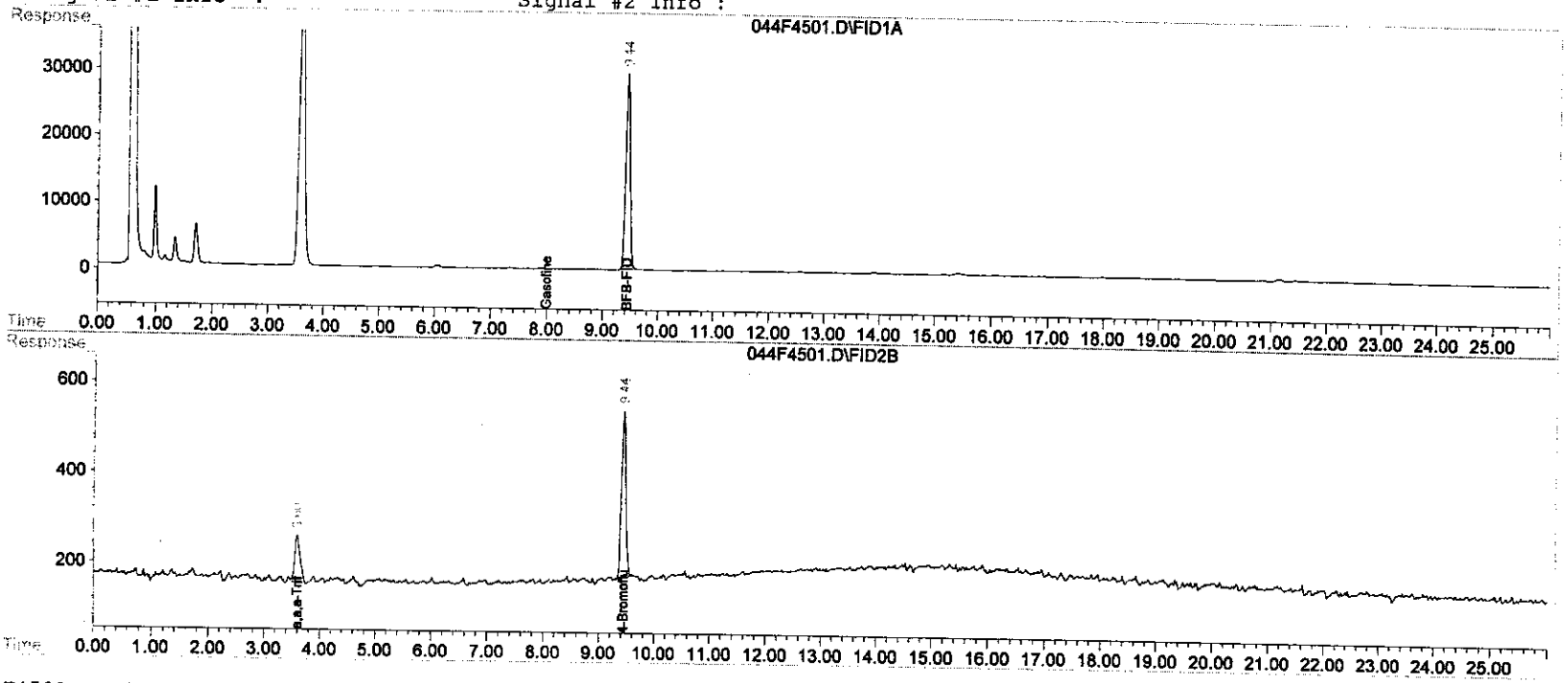
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi. : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\044F45 D\FID1A.CH Vial: 44
Acq On : 19-Jul-2005, 11:44:24 Operator: RG
Sample : 1665-0586,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\044F4501.D\FID2B.CH Vial: 44
Acq On : 19-Jul-05, 11:44:24 Operator: RG
Sample : 1665-0586,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 13:19 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\050718\046F4701.D\FID1A.CH Vial: 46
Acq On : 19-Jul-2005, 12:48:55 Operator: RG
Sample : 1665-0588,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\046F4701.D\FID2B.CH Vial: 46
Acq On : 19-Jul-05, 12:48:55 Operator: RG
Sample : 1665-0588,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 15:11 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	6086	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1668510	106.845 ug/L
Spiked Amount 100.000		Recovery =	106.85%
S 4-Bromofluorobenzene	9.44	20952	98.234 ug/L
Spiked Amount 100.000		Recovery =	98.23%
Target Compounds			
1) H T M Gasoline	8.00	27925374	1038.804 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	16.06	64968	306.963 ug/L

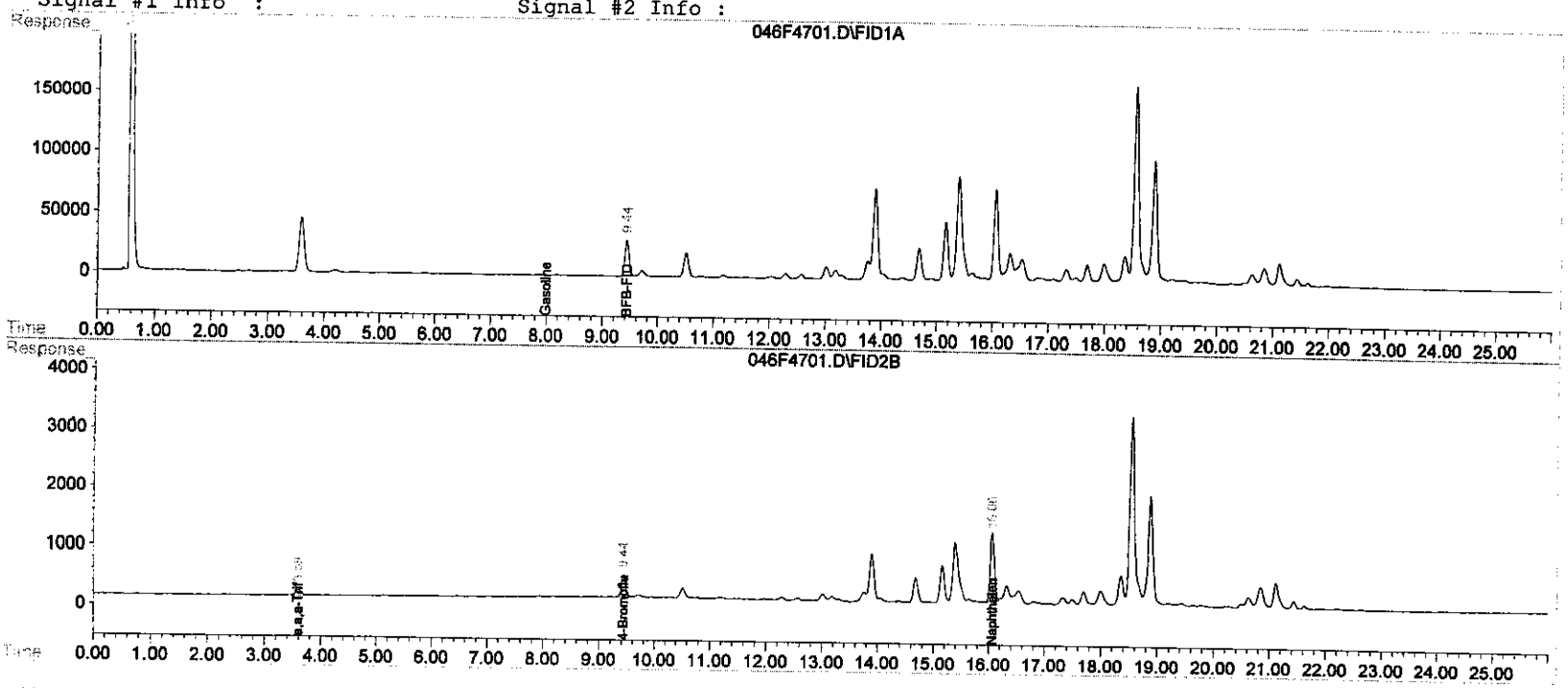
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\046F47 D\FID1A.CH Vial: 46
Acq On : 19-Jul-2005, 12:48:55 Operator: RG
Sample : 1665-0588,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\046F4701.D\FID2B.CH Vial: 46
Acq On : 19-Jul-05, 12:48:55 Operator: RG
Sample : 1665-0588,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 15:11 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\050718\047F4801.D\FID1A.CH Vial: 47
Acq On : 19-Jul-2005, 13:21:07 Operator: RG
Sample : 1665-0589,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\047F4801.D\FID2B.CH Vial: 47
Acq On : 19-Jul-05, 13:21:07 Operator: RG
Sample : 1665-0589,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 15:14 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 : RR 20x for 6,E,mp

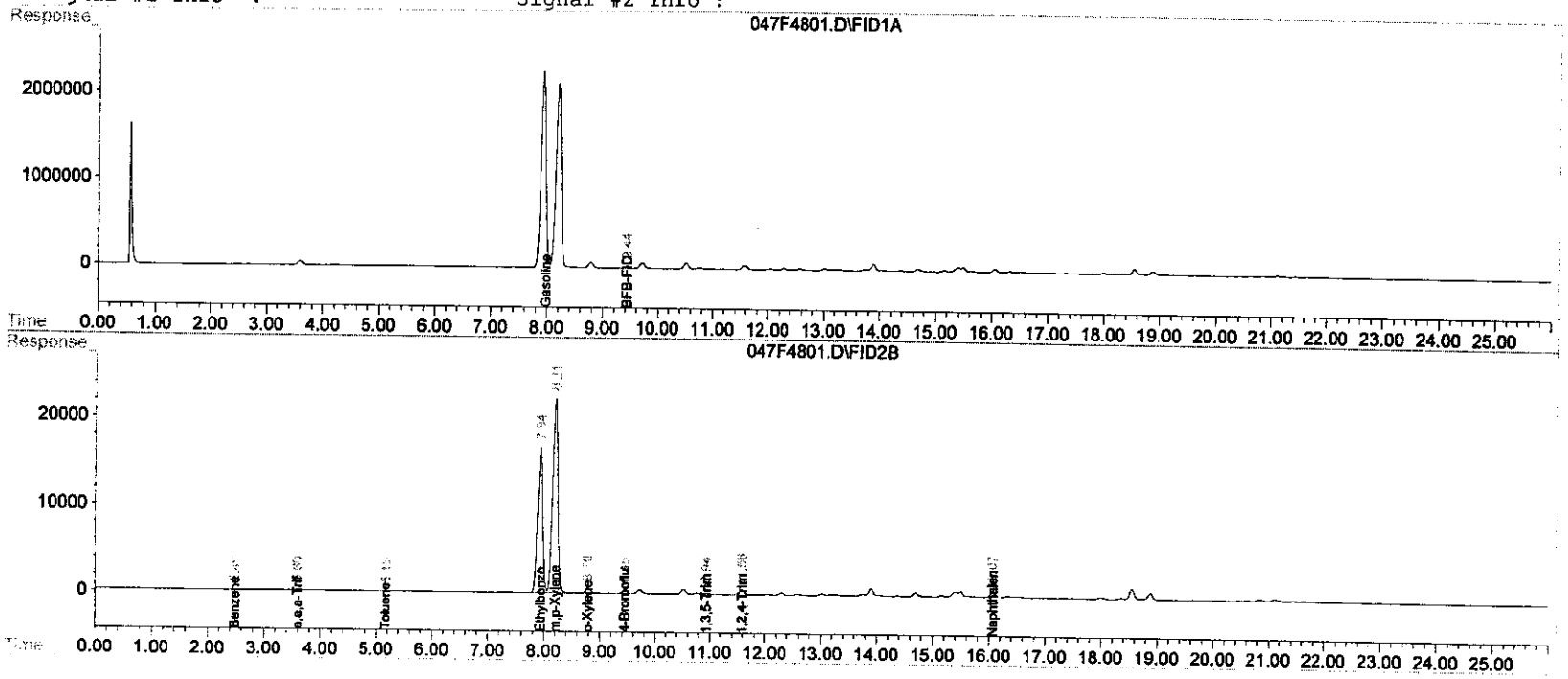
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6183	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1589074	101.745 ug/L
Spiked Amount 100.000		Recovery =	101.75%
S 4-Bromofluorobenzene	9.45	19560	90.267 ug/L
Spiked Amount 100.000		Recovery =	90.27%
Target Compounds			
1) H T M Gasoline	8.00	321897494	13409.606 ug/L —— OR
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.49	1615	8.105 ug/L ——
7) T M Toluene	5.17	1797	4.886 ug/L
8) T M Ethylbenzene	7.94	1067794	3658.948 ug/L —— OR
9) T M m,p-Xylene	8.21	1451855	3728.102 ug/L —— OR
10) T M o-Xylene	8.79	37939	116.885 ug/L ——
12) T 1,3,5-Trimethylbenzene	10.94	8220	15.820 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	37251	97.232 ug/L
14) T Naphthalene	16.06	34802	163.687 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\047F48 D\FID1A.CH Vial: 47
Acq On : 19-Jul-2005, 13:21:07 Operator: RG
Sample : 1665-0589,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\047F4801.D\FID2B.CH Vial: 47
Acq On : 19-Jul-05, 13:21:07 Operator: RG
Sample : 1665-0589,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 15:14 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\050718\052F5201.D\FID1A.CH Vial: 52
Acq On : 19-Jul-2005, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F5201.D\FID2B.CH Vial: 52
Acq On : 19-Jul-05, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 17:55 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	6168	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1687769	108.081 ug/L
Spiked Amount 100.000		Recovery =	108.08%
3) S 4-Bromofluorobenzene	9.44	22306	103.185 ug/L
Spiked Amount 100.000		Recovery =	103.19%
Target Compounds			
1) H T M Gasoline	8.00	30187386	1133.993 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	5562	24.372 ug/L
7) T M Toluene	5.16	27921	90.652 ug/L
8) T M Ethylbenzene	7.90	8064	25.240 ug/L
9) T M m,p-Xylene	8.16	46028	115.993 ug/L
10) T M o-Xylene	8.78	27747	85.437 ug/L
12) T 1,3,5-Trimethylbenzene	10.92	6974	13.454 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	18238	47.141 ug/L
14) T Naphthalene	16.08	1702	11.727 ug/L

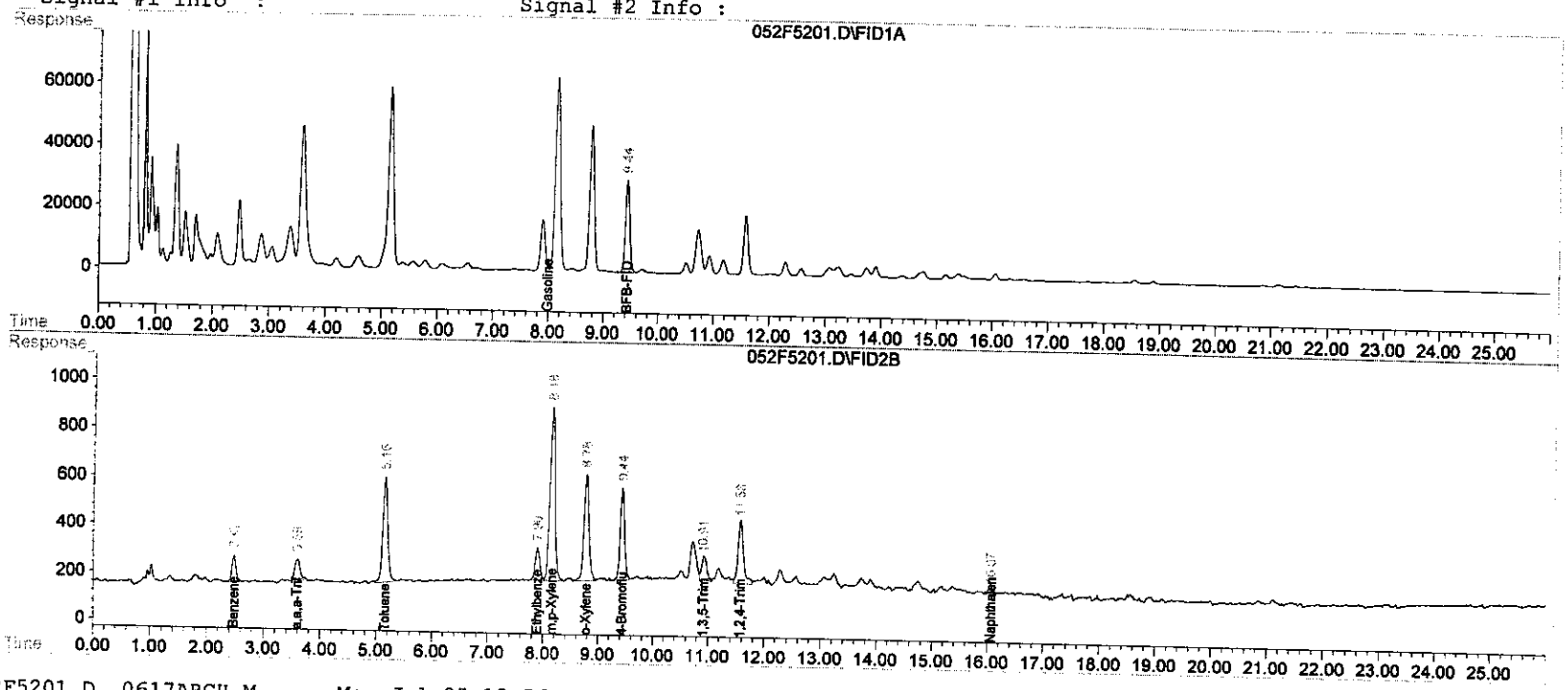
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi' : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F52 D\FID1A.CH Vial: 52
Acq On : 19-Jul-2005, 16:03:54 Opera..r: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F5201.D\FID2B.CH Vial: 52
Acq On : 19-Jul-05, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 17:55 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\050718\053F5301.D\FID1A.CH Vial: 53
Acq On : 19-Jul-2005, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F5301.D\FID2B.CH Vial: 53
Acq On : 19-Jul-05, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 18:13 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 :

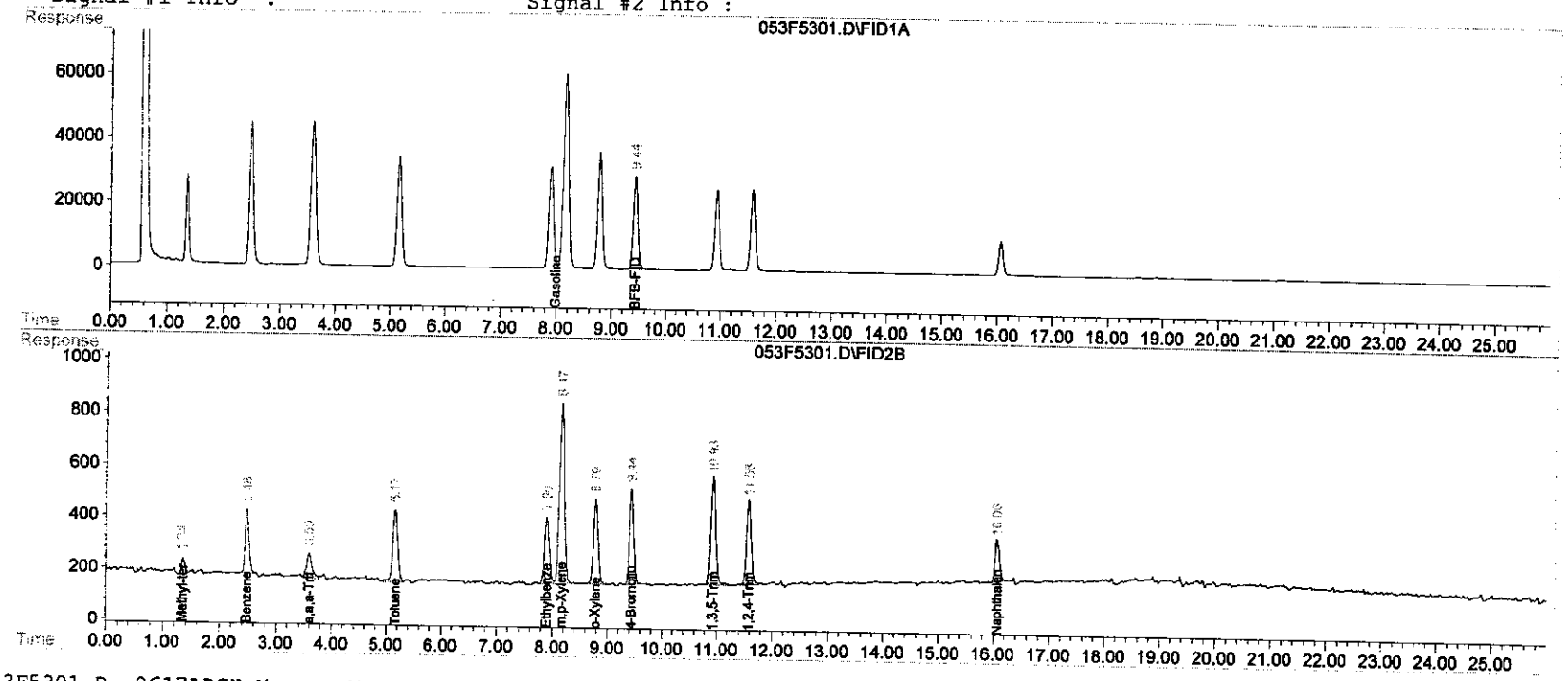
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6938	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1593919	102.056 ug/L
Spiked Amount 100.000		Recovery =	102.06%
3 S 4-Bromofluorobenzene	9.44	20442	84.065 ug/L
Spiked Amount 100.000		Recovery =	84.07%
Target Compounds			
1) H T M Gasoline	8.00	19553052	686.484 ug/L
5) T Methyl-tert-butyl ether	1.35	2332	41.476 ug/L
6) T M Benzene	2.48	11517	43.624 ug/L
7) T M Toluene	5.17	18146	51.956 ug/L
8) T M Ethylbenzene	7.90	15389	44.546 ug/L
9) T M m,p-Xylene	8.17	43123	96.181 ug/L
10) T M o-Xylene	8.79	19696	53.566 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	25873	44.375 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	20113	46.195 ug/L
14) T Naphthalene	16.06	9252	41.750 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F53 D\FID1A.CH Vial: 53
Acq On : 19-Jul-2005, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F5301.D\FID2B.CH Vial: 53
Acq On : 19-Jul-05, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 18:13 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 :



Pace Analytical

PACE ANALYTICAL DEL CARIBE

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-1-355	bcc1	GC-S-1-351	is1	GC-S-1-356	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-1-350	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	MB Sol	n/a	n/a	001F0101	Soil	10.00g	1	7/19/05 19:11	Carry-over-- DNR
2	n/a	LCS Sol	n/a	n/a	002F0201	Soil	5.00g	1	7/19/05 19:43 **Run# 3976**	Carry-over-- DNR
3	05-1684	0681	n/a	n/a	003F0301	Soil	10.01g	1	7/19/05 20:15	Foam-over-- RR 5X, DNR
4	05-1656	0530	n/a	n/a	004F0401	Soil	10.01g	1	7/19/05 20:48	Carry-over-- DNR
5	05-1656	0530MS	n/a	2100/2101	005F0501	Soil	5.00g	1	7/19/05 21:20	Opening CCV's taken from close previous run.
6	05-1656	0530SD	n/a	2100/2101	006F0601	Soil	5.03g	1	7/19/05 21:52	Book 4, page 49
7	n/a	MB Aq	n/a	2098/2099	007F0701	Water	5mL	1	7/19/05 22:25	
8	n/a	LCS Aq	n/a	2098/2099	008F0801	Water	5mL	1	7/19/05 22:57	
9	n/a	LCSD Aq	n/a	2098/2099	009F0901	Water	5mL	1	7/19/05 23:29	
10	05-1665	0591	<2	2098/2099	010F1001	Water	5mL	1	7/20/05 0:01 **Run# 3977**	
11	n/a	GRO CCV	n/a	n/a	011F1101	Water	5mL	1	7/20/05 0:34	
12	n/a	BTEX CCV	n/a	n/a	012F1201	Water	5mL	1	7/20/05 1:06	
13	05-1665	0592	<2	2098/2099	013F1301	Water	5mL	1	7/20/05 1:38	
14	05-1665	0593	<2	2098/2099	014F1401	Water	5mL	1	7/20/05 2:11	
15	05-1665	0585	<2	n/a	015F1501	Water	5mL	1	7/20/05 2:42	Foam-over-- RR 10X, DNR
16	05-1657	0537	<2	2098/2099	016F1601	Water	0.5mL	10	7/20/05 3:15	
17	05-1657	0538	<2	2098/2099	017F1701	Water	0.5mL	10	7/20/05 3:47	
18	05-1657	0539	<2	n/a	018F1801	Water	0.5mL	10	7/20/05 4:20	Foam-over-- RR 20X, DNR
19	05-1665	0583	<2	2098/2099	019F1901	Water	0.5mL	10	7/20/05 4:53	
20	05-1665	0584	<2	2098/2099	020F2001	Water	0.5mL	10	7/20/05 5:25	
21	05-1665	0587	<2	2098/2099	021F2101	Water	0.5mL	10	7/20/05 5:57	

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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-1-355	bcc1	GC-S-1-351	is1	GC-S-1-356	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-1-350	is3	n/a	m3	n/a	ms3	n/a
ss2	n/a	gcc2	n/a	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
22	05-1665	0590	<2	n/a	022F2201	Water	0.5mL	10	7/20/05 6:29	RR 500X-- DNR
23	n/a	GRO CCV	n/a	n/a	023F2301	Water	5mL	1	7/20/05 7:01	
24	n/a	BTEX CCV	n/a	n/a	024F2401	Water	5mL	1	7/20/05 7:33	
25	05-1657	0542	<2	2098/2099	025F2501	Water	0.5mL	10	7/20/05 8:06	GRO hit due to unknown peak in GRO range.
26	05-1657	0541	<2	n/a	026F2601	Water	0.25mL	20	7/20/05 8:38	Foam-over-- RR 50X, DNR
27	05-1665	0589	<2	2098/2099	027F2701	Water	0.25mL	20	7/20/05 9:10	RR 50X E
28	n/a	GRO CCV	n/a	n/a	028F2801	Water	5mL	1	7/20/05 9:43	
29	n/a	BTEX CCV	n/a	n/a	029F2901	Water	5mL	1	7/20/05 10:15	

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: 007F0701.D

	Spike Sample	Spike Duplicate Sample
File ID :	008F0801.D	009F0901.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	19-Jul-2005, 22:57:17	19-Jul-2005, 23:29:37

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1544	1607	93	97	4	20	70-130
Benzene	0.0	23	25	27	109	119	9	20	70-130
Toluene	0.0	123	120	115	97	93	4	20	70-130
Ethylbenzene	0.0	29	28	27	94	92	3	20	70-130
m,p-Xylene	0.0	103	100	96	96	92	4	20	70-130
o-Xylene	0.0	42	45	43	107	103	4	20	70-130

- Fails Limit Check

0617ARCH.M Mon Jul 25 13:55:10 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F5201.D\FID1A.CH Vial: 52
Acq On : 19-Jul-2005, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F5201.D\FID2B.CH Vial: 52
Acq On : 19-Jul-05, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 17:55 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	6168	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1687769	108.081 ug/L
Spiked Amount 100.000		Recovery =	108.08%
S 4-Bromofluorobenzene	9.44	22306	103.185 ug/L
Spiked Amount 100.000		Recovery =	103.19%
Target Compounds			
1) H T M Gasoline	8.00	30187386	1133.993 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	5562	24.372 ug/L
7) T M Toluene	5.16	27921	90.652 ug/L
8) T M Ethylbenzene	7.90	8064	25.240 ug/L
9) T M m,p-Xylene	8.16	46028	115.993 ug/L
10) T M o-Xylene	8.78	27747	85.437 ug/L
12) T 1,3,5-Trimethylbenzene	10.92	6974	13.454 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	18238	47.141 ug/L
14) T Naphthalene	16.08	1702	11.727 ug/L

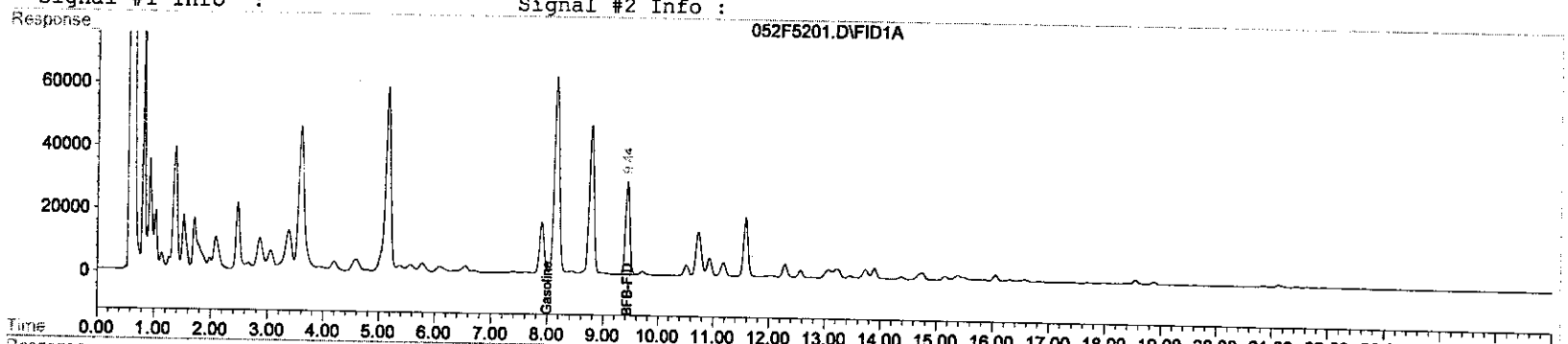
(f)=RT Delta > 1/2 Window (m)=manual int.

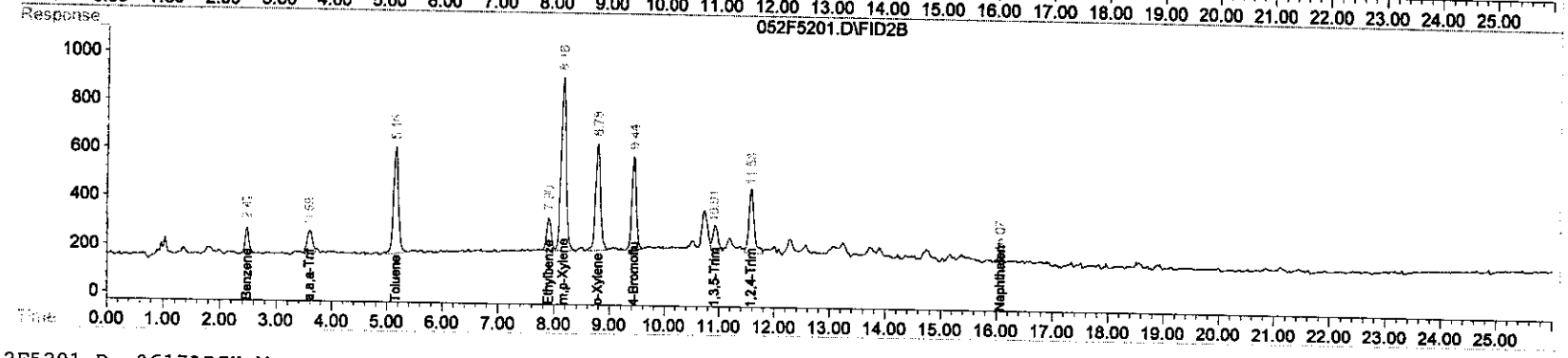
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F52 D\FID1A.CH Vial: 52
Acq On : 19-Jul-2005, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\052F5201.D\FID2B.CH Vial: 52
Acq On : 19-Jul-05, 16:03:54 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 17:55 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\050718\053F5301.D\FID1A.CH Vial: 53
Acq On : 19-Jul-2005, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F5301.D\FID2B.CH Vial: 53
Acq On : 19-Jul-05, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 18:13 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 :

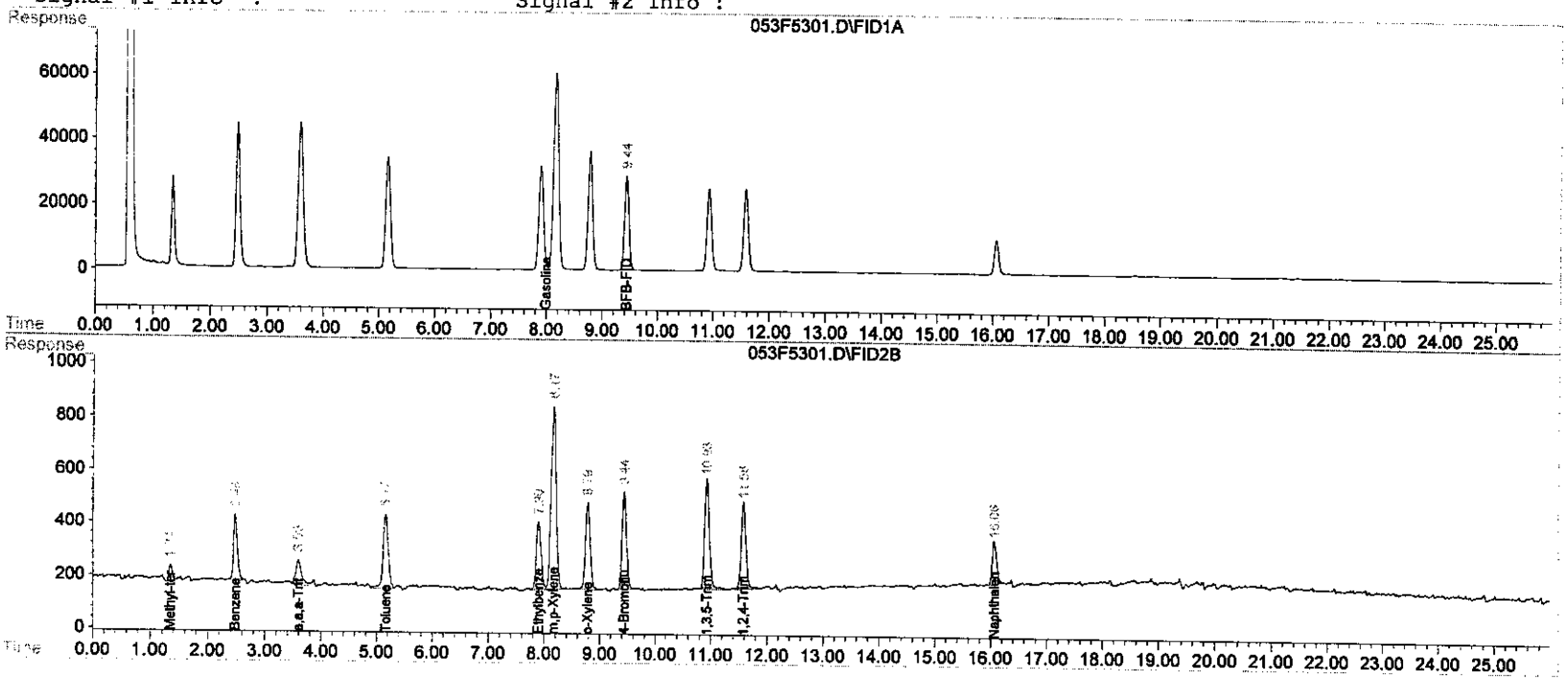
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6938	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1593919	102.056 ug/L
Spiked Amount 100.000		Recovery =	102.06%
3) S 4-Bromofluorobenzene	9.44	20442	84.065 ug/L
Spiked Amount 100.000		Recovery =	84.07%
Target Compounds			
1) H T M Gasoline	8.00	19553052	686.484 ug/L
5) T Methyl-tert-butyl ether	1.35	2332	41.476 ug/L
6) T M Benzene	2.48	11517	43.624 ug/L
7) T M Toluene	5.17	18146	51.956 ug/L
8) T M Ethylbenzene	7.90	15389	44.546 ug/L
9) T M m,p-Xylene	8.17	43123	96.181 ug/L
10) T M o-Xylene	8.79	19696	53.566 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	25873	44.375 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	20113	46.195 ug/L
14) T Naphthalene	16.06	9252	41.750 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F53 D\FID1A.CH Vial: 53
Acq On : 19-Jul-2005, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050718\053F5301.D\FID2B.CH Vial: 53
Acq On : 19-Jul-05, 16:35:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 19 18:13 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\050719\007F0701.D\FID1A.CH Vial: 7
Acq On : 19-Jul-2005, 22:25:16 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\007F0701.D\FID2B.CH Vial: 7
Acq On : 19-Jul-05, 22:25:16 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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 :

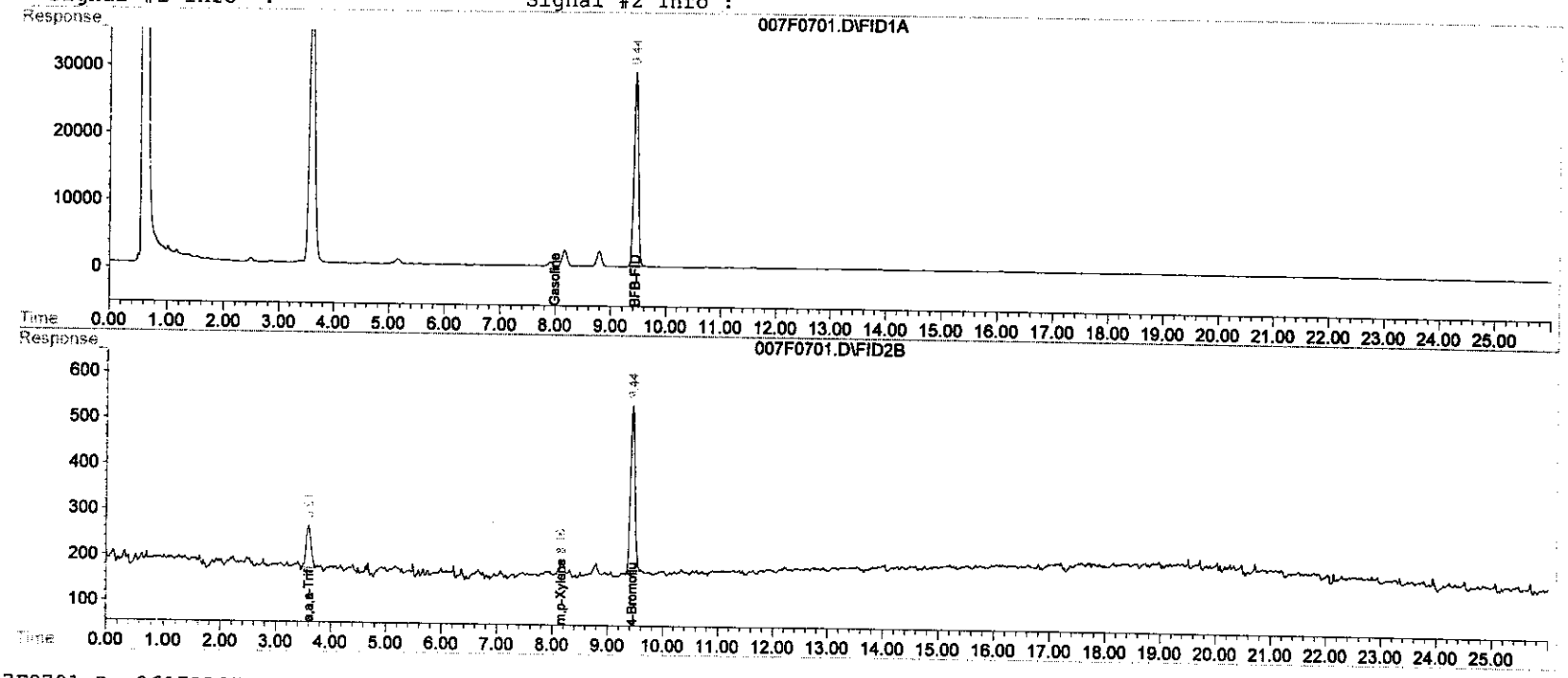
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5805	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1597118	102.262 ug/L
Spiked Amount 100.000		Recovery =	102.26%
S 4-Bromofluorobenzene	9.45	20267	99.623 ug/L
Spiked Amount 100.000		Recovery =	99.62%
Target Compounds			
1) H T M Gasoline	8.00	3344648	4.409 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	8.16	1672	2.013 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\050719\007F0 D\FID1A.CH Vial: 7
Acq On : 19-Jul-2005, 22:25:16 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\007F0701.D\FID2B.CH Vial: 7
Acq On : 19-Jul-05, 22:25:16 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\008F0801.D\FID1A.CH Vial: 8
Acq On : 19-Jul-2005, 22:57:17 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\008F0801.D\FID2B.CH Vial: 8
Acq On : 19-Jul-05, 22:57:17 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:16 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 :

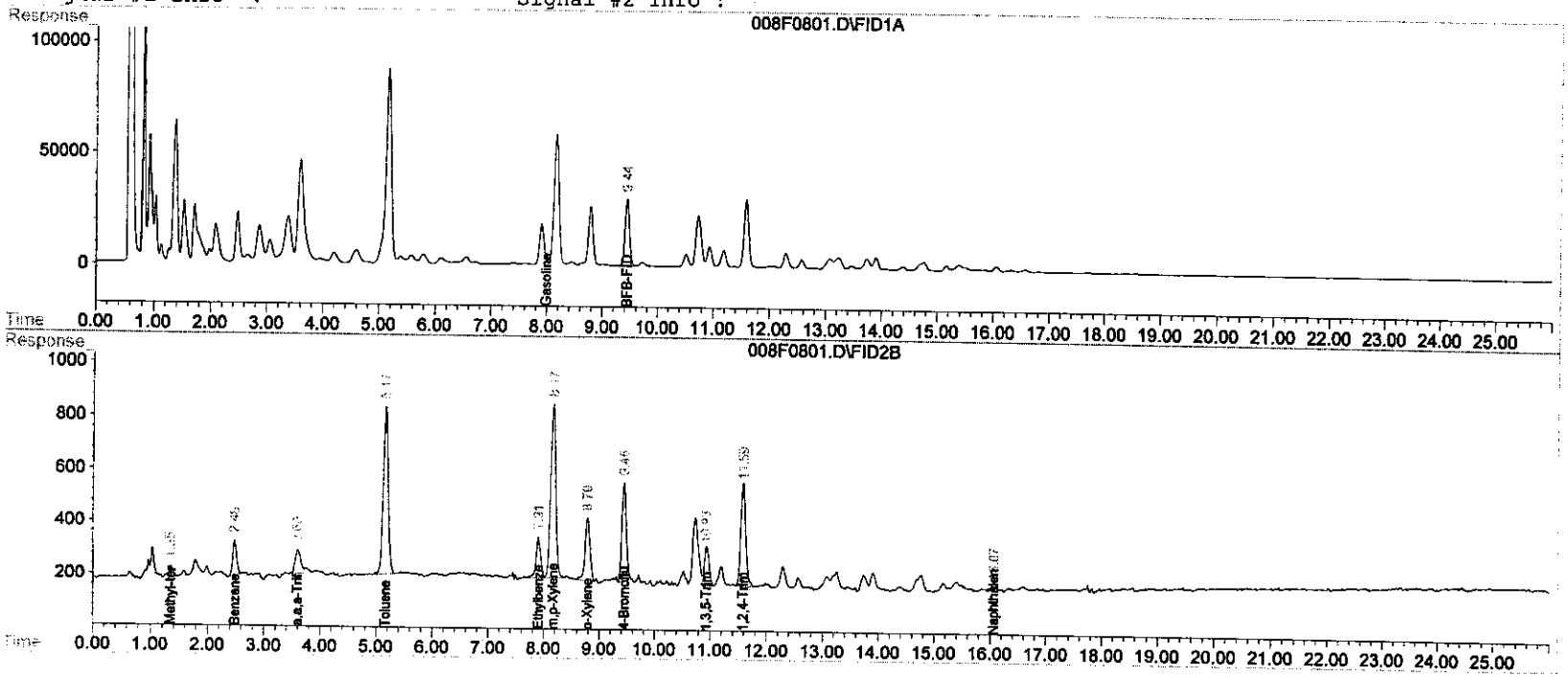
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6420	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1713847	109.755 ug/L
Spiked Amount 100.000		Recovery =	109.76%
S 4-Bromofluorobenzene	9.45	20707	92.030 ug/L
Spiked Amount 100.000		Recovery =	92.03%
Target Compounds			
1) H T M Gasoline	8.00	39926393	1543.826 ug/L
5) T Methyl-tert-butyl ether	1.35	1722	32.996 ug/L
6) T M Benzene	2.48	5928	24.922 ug/L
7) T M Toluene	5.17	38413	120.142 ug/L
8) T M Ethylbenzene	7.91	9139	27.703 ug/L
9) T M m,p-Xylene	8.17	41550	100.259 ug/L
10) T M o-Xylene	8.79	15233	44.617 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	8823	16.353 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	23664	59.045 ug/L
14) T Naphthalene	16.07	1768	11.711 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\008F08 D\FID1A.CH Vial: 8
Acq On : 19-Jul-2005, 22:57:17 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\008F0801.D\FID2B.CH Vial: 8
Acq On : 19-Jul-05, 22:57:17 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:16 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\050719\009F0901.D\FID1A.CH Vial: 9
Acq On : 19-Jul-2005, 23:29:37 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\009F0901.D\FID2B.CH Vial: 9
Acq On : 19-Jul-05, 23:29:37 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:15 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	7039	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1720311	110.170 ug/L
Spiked Amount 100.000		Recovery =	110.17%
3) S 4-Bromofluorobenzene	9.44	21107	85.557 ug/L
Spiked Amount 100.000		Recovery =	85.56%
Target Compounds			
1) H T M Gasoline	8.00	41432957	1607.224 ug/L
5) T Methyl-tert-butyl ether	1.35	817	14.009 ug/L
6) T M Benzene	2.48	7124	27.173 ug/L
7) T M Toluene	5.17	40413	115.241 ug/L
8) T M Ethylbenzene	7.91	9757	26.908 ug/L
9) T M m,p-Xylene	8.16	43652	95.959 ug/L
10) T M o-Xylene	8.79	16041	42.814 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	9726	16.443 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	24036	54.617 ug/L
14) T Naphthalene	16.07	2240	12.930 ug/L

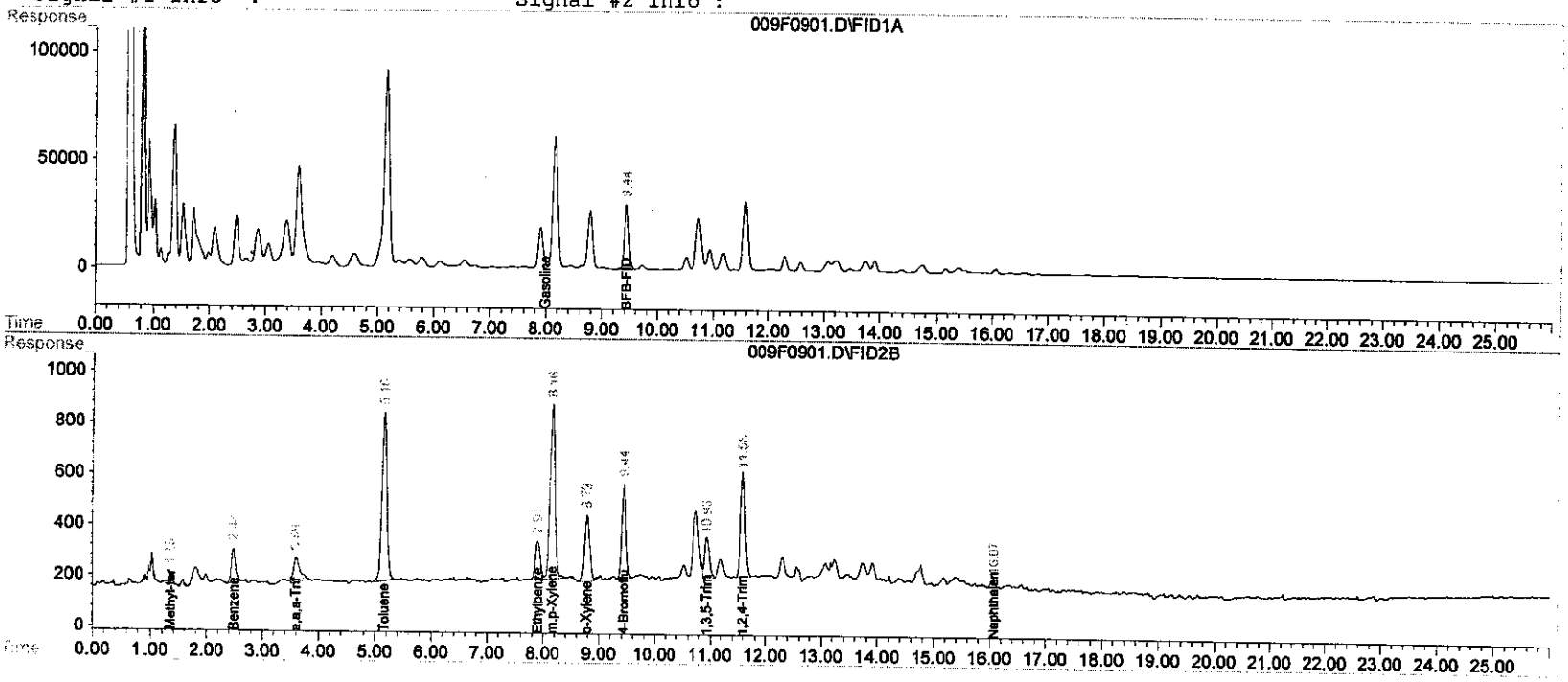
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\009F09 D\FID1A.CH Vial: 9
Acq On : 19-Jul-2005, 23:29:37 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\009F0901.D\FID2B.CH Vial: 9
Acq On : 19-Jul-05, 23:29:37 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:15 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\050719\010F1001.D\FID1A.CH Vial: 10
Acq On : 20-Jul-2005, 00:01:58 Operator: RG
Sample : 1665-0591,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\010F1001.D\FID2B.CH Vial: 10
Acq On : 20-Jul-05, 00:01:58 Operator: RG
Sample : 1665-0591,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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 :

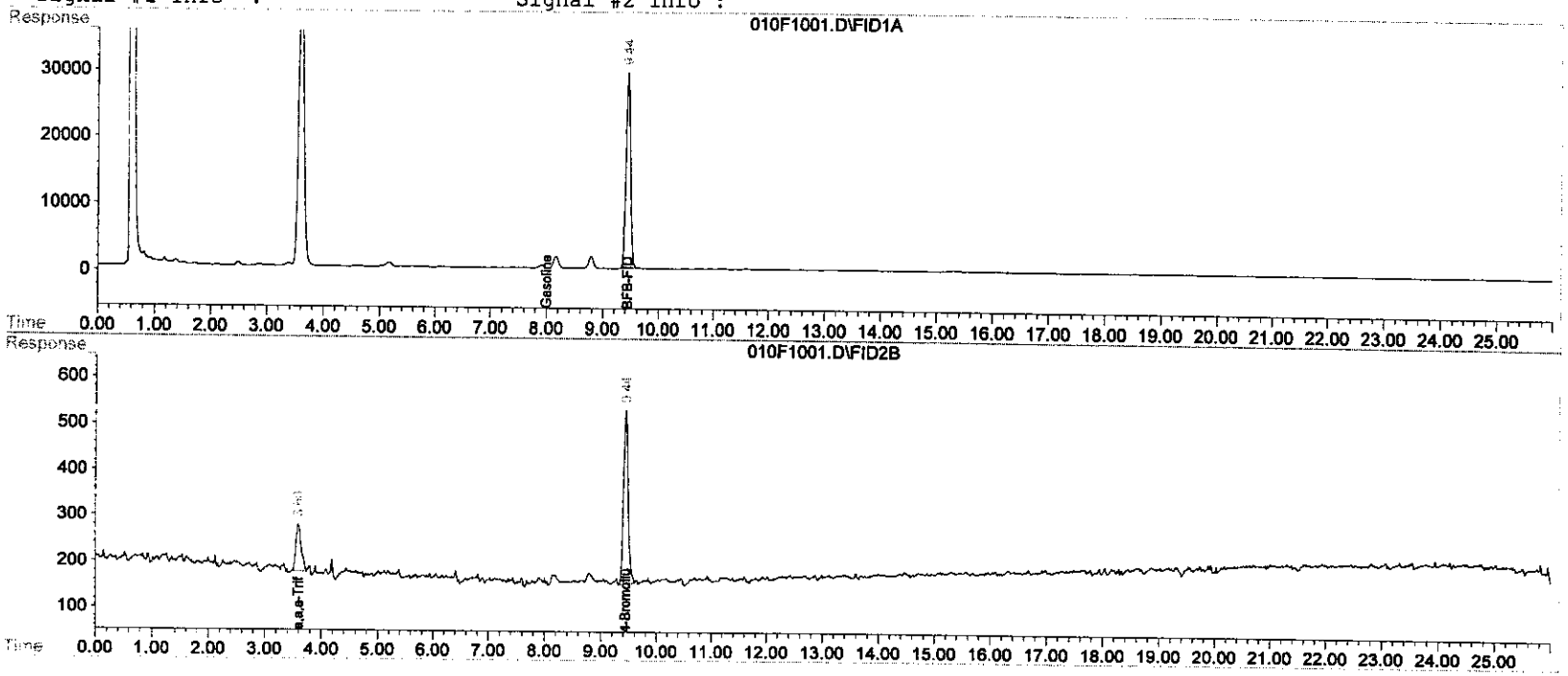
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6703	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1624909	104.046 ug/L
Spiked Amount 100.000		Recovery =	104.05%
S 4-Bromofluorobenzene	9.44	21444	91.292 ug/L
Spiked Amount 100.000		Recovery =	91.29%
Target Compounds			
1) H T M Gasoline	8.00	3390494	6.339 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\050719\010F10   D\FID1A.CH Vial: 10
Acq On     : 20-Jul-2005, 00:01:58                    Operator: RG
Sample     : 1665-0591,,,                             Inst    : HP5890
Misc       :                                          Multiplr: 1.00
IntFile    : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\010F1001.D\FID2B.CH Vial: 10
Acq On     : 20-Jul-05, 00:01:58                      Operator: RG
Sample     : 1665-0591,,,                             Inst    : HP5890
Misc       :                                          Multiplr: 1.00
IntFile    : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\011F1101.D\FID1A.CH Vial: 11
Acq On : 20-Jul-2005, 00:34:20 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\011F1101.D\FID2B.CH Vial: 11
Acq On : 20-Jul-05, 00:34:20 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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 :

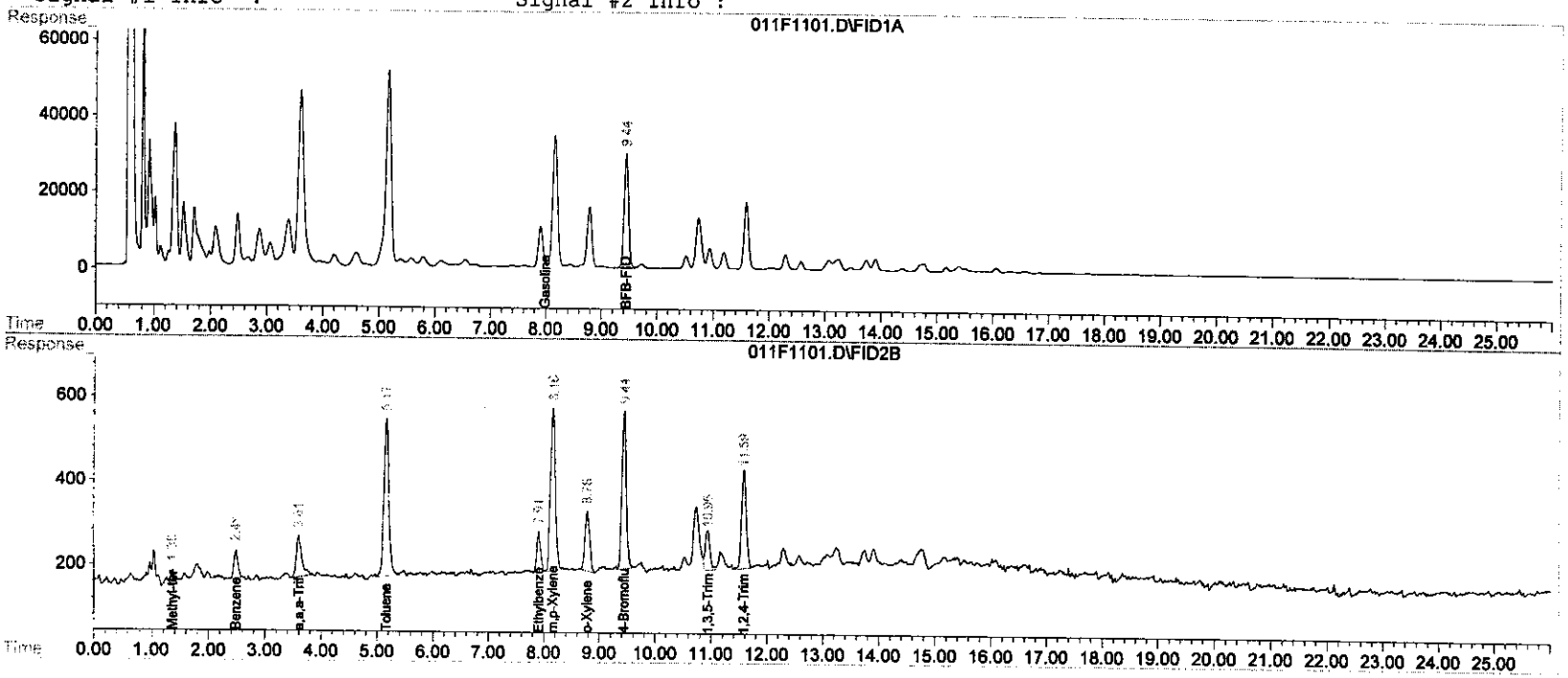
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	6665	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1682969	107.773 ug/L
Spiked Amount 100.000		Recovery =	107.77%
S 4-Bromofluorobenzene	9.44	20614	88.259 ug/L
Spiked Amount 100.000		Recovery =	88.26%
Target Compounds			
1) H T M Gasoline	8.00	24367395	889.079 ug/L
5) T Methyl-tert-butyl ether	1.37	971	17.703 ug/L
6) T M Benzene	2.49	3262	13.900 ug/L
7) T M Toluene	5.17	23316	69.837 ug/L
8) T M Ethylbenzene	7.91	4595	12.140 ug/L
9) T M m,p-Xylene	8.17	24417	55.646 ug/L
10) T M o-Xylene	8.79	8344	23.095 ug/L
12) T 1,3,5-Trimethylbenzene	10.95	5597	9.995 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	14019	33.211 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

```
Data Fi    : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\011F11   D\FID1A.CH Vial: 11
Acq On     : 20-Jul-2005, 00:34:20                    Operator: RG
Sample     : GRO CCV                                  Inst    : HP5890
Misc       :                                          Multiplr: 1.00
IntFile    : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\011F1101.D\FID2B.CH Vial: 11
Acq On     : 20-Jul-05, 00:34:20                      Operator: RG
Sample     : GRO CCV                                  Inst    : HP5890
Misc       :                                          Multiplr: 1.00
IntFile    : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\012F1201.D\FID1A.CH Vial: 12
Acq On : 20-Jul-2005, 01:06:37 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\012F1201.D\FID2B.CH Vial: 12
Acq On : 20-Jul-05, 01:06:37 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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 :

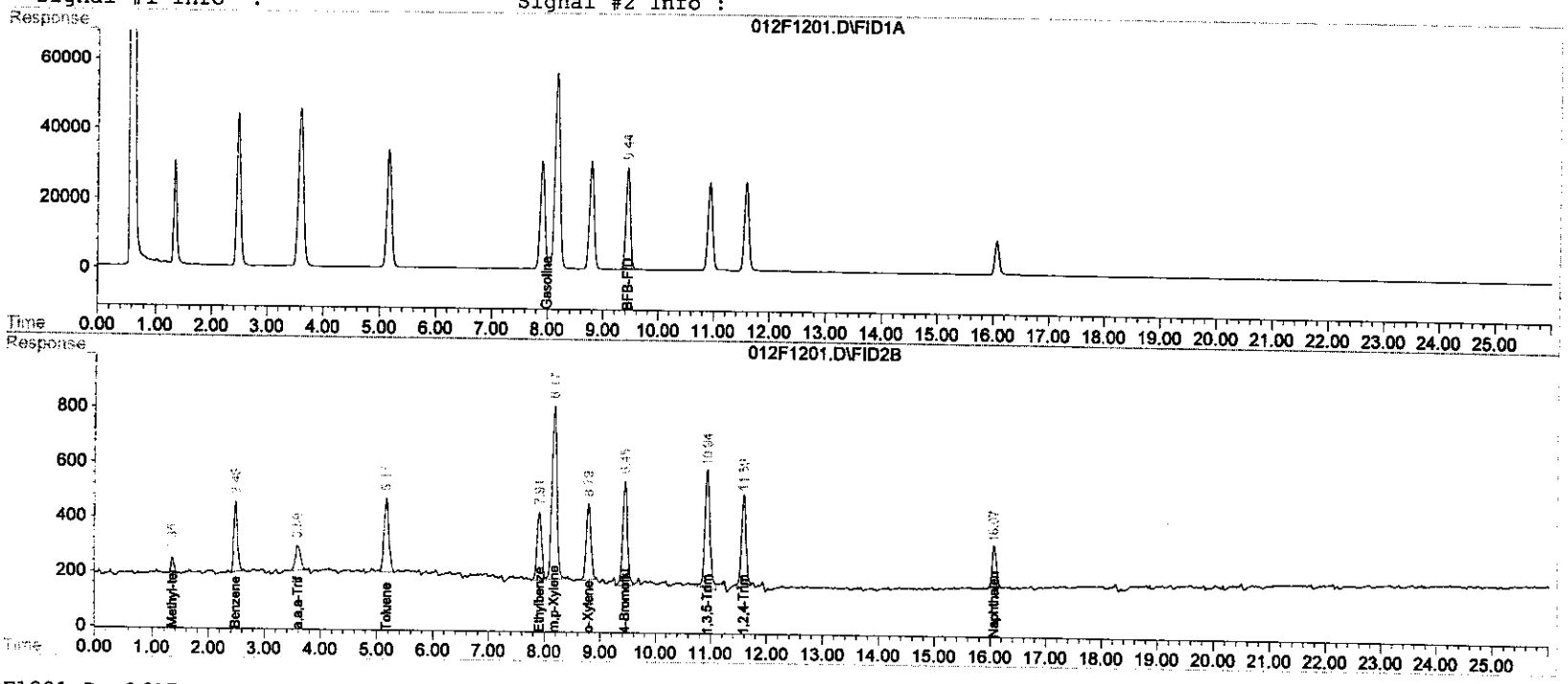
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5821	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1624596	104.026 ug/L
Spiked Amount 100.000		Recovery =	104.03%
3 S 4-Bromofluorobenzene	9.45	22878	112.140 ug/L
Spiked Amount 100.000		Recovery =	112.14%
Target Compounds			
1) H T M Gasoline	8.00	18875440	657.969 ug/L
5) T Methyl-tert-butyl ether	1.35	2265	48.104 ug/L
6) T M Benzene	2.48	11893	53.353 ug/L
7) T M Toluene	5.17	16503	56.402 ug/L
8) T M Ethylbenzene	7.91	15129	52.624 ug/L
9) T M m,p-Xylene	8.17	40405	107.715 ug/L
10) T M o-Xylene	8.79	16681	54.081 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	27931	57.097 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	20050	55.102 ug/L
14) T Naphthalene	16.07	8819	46.904 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\012F12 D\FID1A.CH Vial: 12
Acq On : 20-Jul-2005, 01:06:37 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\012F1201.D\FID2B.CH Vial: 12
Acq On : 20-Jul-05, 01:06:37 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\013F1301.D\FID1A.CH Vial: 13
Acq On : 20-Jul-2005, 01:38:56 Operator: RG
Sample : 1665-0592,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\013F1301.D\FID2B.CH Vial: 13
Acq On : 20-Jul-05, 01:38:56 Operator: RG
Sample : 1665-0592,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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	5995	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1630664	104.415 ug/L
Spiked Amount 100.000		Recovery =	104.42%
S 4-Bromofluorobenzene	9.45	19505	92.830 ug/L
Spiked Amount 100.000		Recovery =	92.83%
Target Compounds			
1) H T M Gasoline	8.00	3149132	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

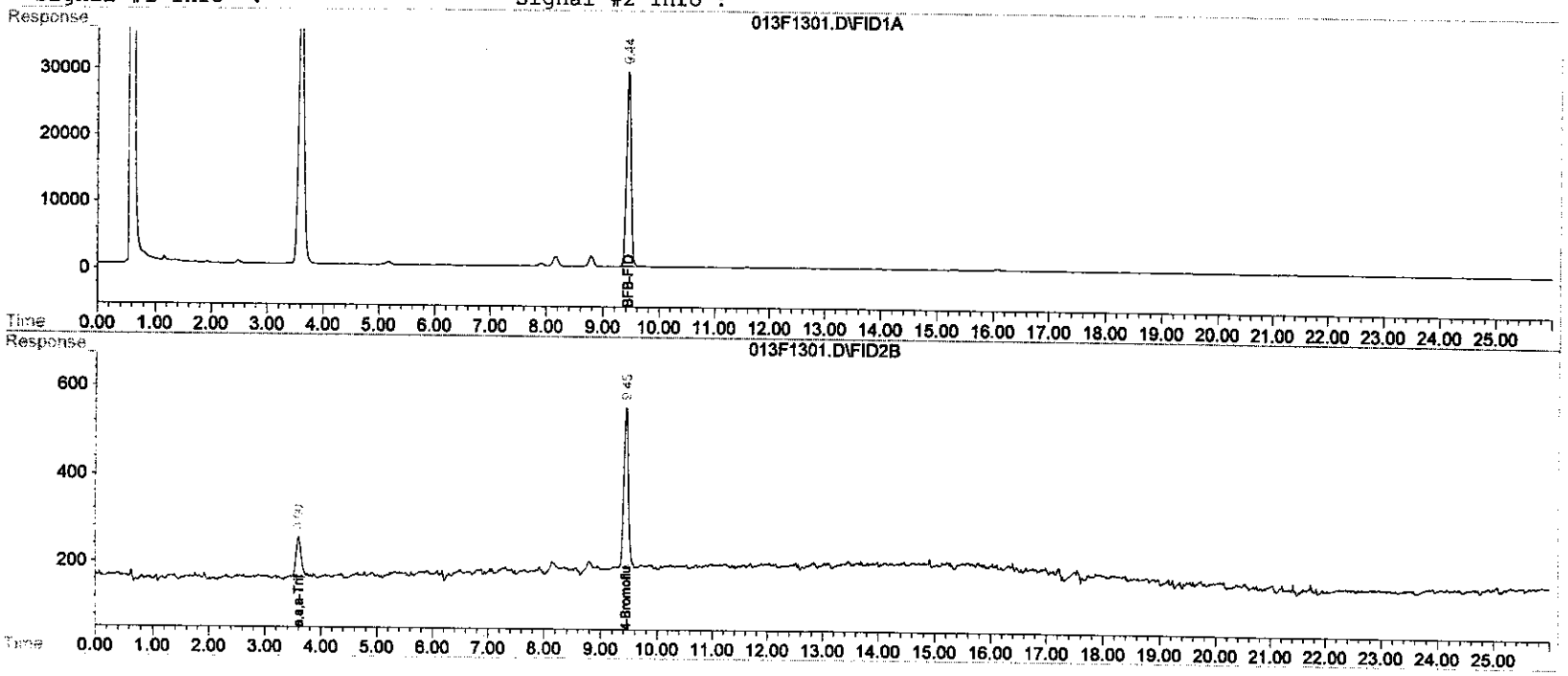
(f)=RT Delta > 1/2 Window (m)=manual int.

Data F: : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\013F1 .D\FID1A.CH Vial: 13
Acq On : 20-Jul-2005, 01:38:56 Operator: RG
Sample : 1665-0592,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\013F1301.D\FID2B.CH Vial: 13
Acq On : 20-Jul-05, 01:38:56 Operator: RG
Sample : 1665-0592,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\014F1401.D\FID1A.CH Vial: 14
Acq On : 20-Jul-2005, 02:11:14 Operator: RG
Sample : 1665-0593,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\014F1401.D\FID2B.CH Vial: 14
Acq On : 20-Jul-05, 02:11:14 Operator: RG
Sample : 1665-0593,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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	5318	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1621629	103.835 ug/L
Spiked Amount 100.000		Recovery =	103.84%
3) S 4-Bromofluorobenzene	9.45	20794	111.576 ug/L
Spiked Amount 100.000		Recovery =	111.58%
Target Compounds			
1) H T M Gasoline	8.00	3142868	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

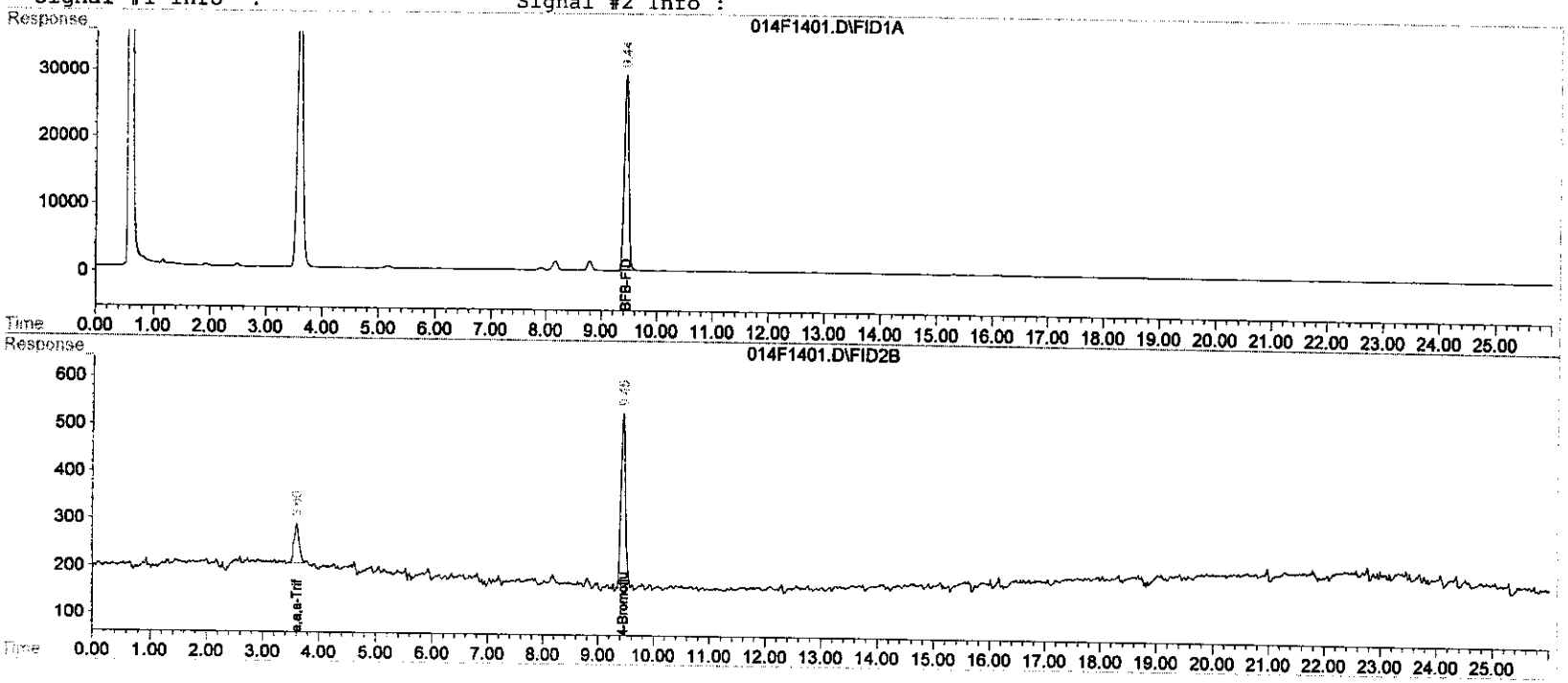
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\014F14 D\FID1A.CH Vial: 14
Acq On : 20-Jul-2005, 02:11:14 Opera : RG
Sample : 1665-0593,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\014F1401.D\FID2B.CH Vial: 14
Acq On : 20-Jul-05, 02:11:14 Operator: RG
Sample : 1665-0593,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\019F1901.D\FID1A.CH Vial: 19
Acq On : 20-Jul-2005, 04:53:01 Operator: RG
Sample : 1665-0583,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\019F1901.D\FID2B.CH Vial: 19
Acq On : 20-Jul-05, 04:53:01 Operator: RG
Sample : 1665-0583,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 14:24 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: 10x
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5741	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1623438	103.951 ug/L
Spiked Amount 100.000		Recovery =	103.95%
3) S 4-Bromofluorobenzene	9.45	20415	101.462 ug/L
Spiked Amount 100.000		Recovery =	101.46%
Target Compounds			
1) H T M Gasoline	8.00	3132764	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	8.16	287	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

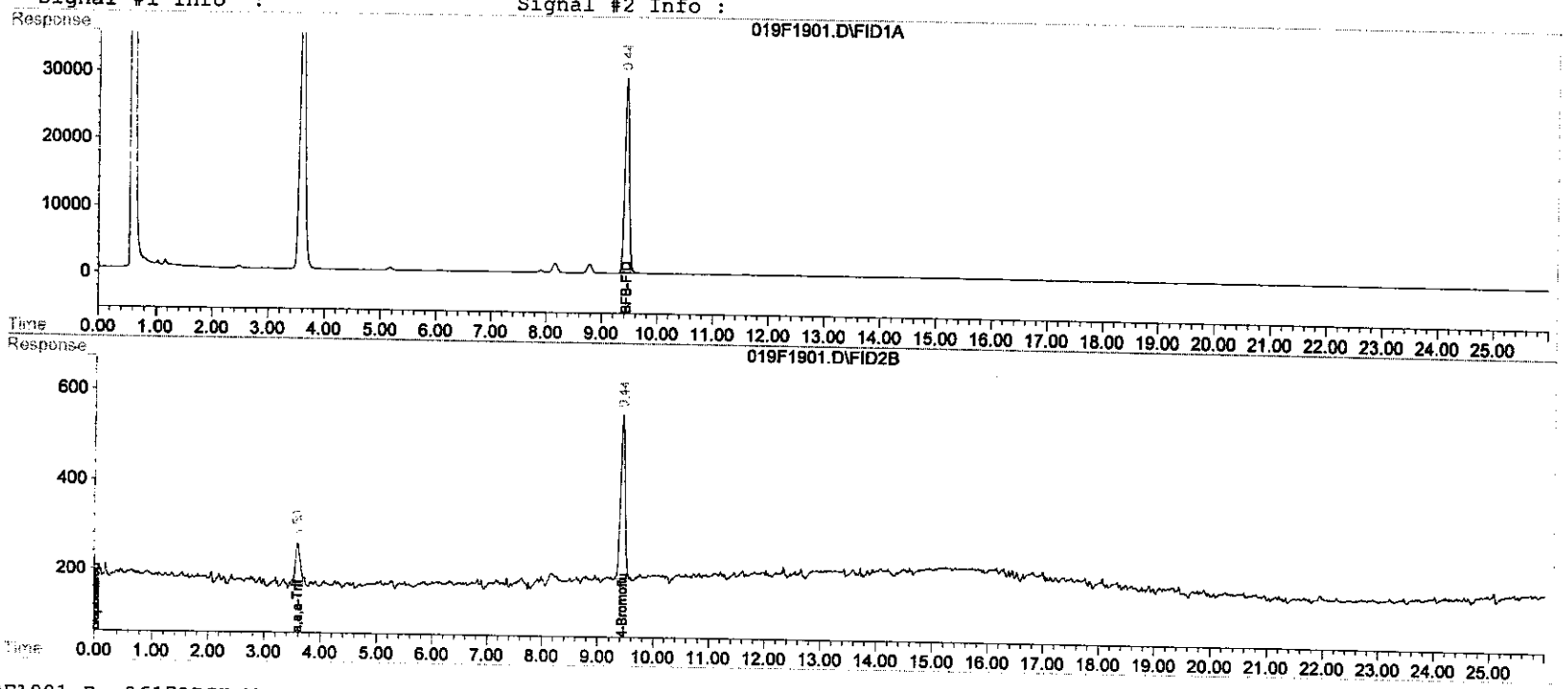
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\019F1' .D\FID1A.CH Vial: 19
Acq On : 20-Jul-2005, 04:53:01 Opera..r: RG
Sample : 1665-0583,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\019F1901.D\FID2B.CH Vial: 19
Acq On : 20-Jul-05, 04:53:01 Operator: RG
Sample : 1665-0583,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 14:24 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\050719\020F2001.D\FID1A.CH Vial: 20
Acq On : 20-Jul-2005, 05:25:24 Operator: RG
Sample : 1665-0584,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\020F2001.D\FID2B.CH Vial: 20
Acq On : 20-Jul-05, 05:25:24 Operator: RG
Sample : 1665-0584,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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: 10X
Signal #1 Info : Signal #2 Info :

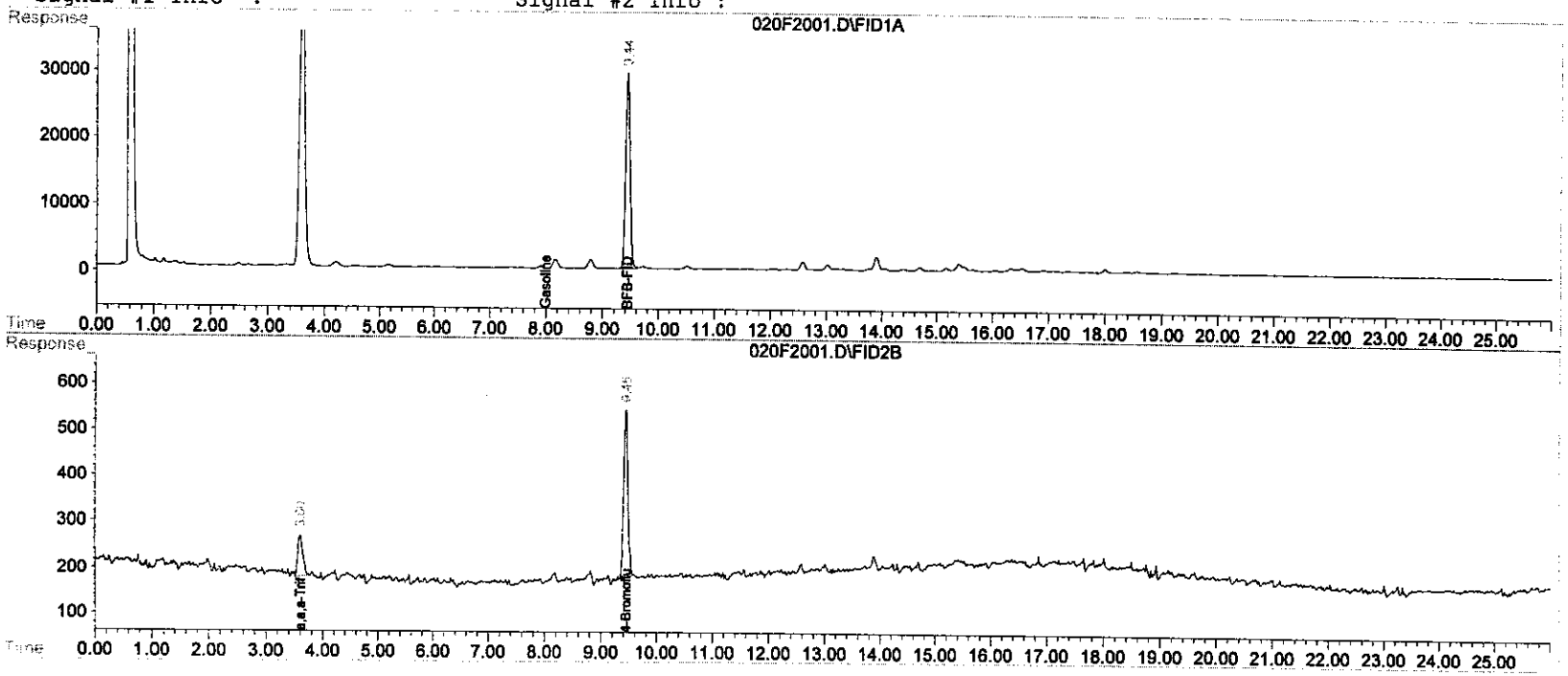
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5731	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1629785	104.359 ug/L
Spiked Amount 100.000		Recovery =	104.36%
S 4-Bromofluorobenzene	9.45	20222	100.688 ug/L
Spiked Amount 100.000		Recovery =	100.69%
Target Compounds			
1) H T M Gasoline	8.00	3775501	22.540 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\050719\020F20' D\FID1A.CH Vial: 20
Acq On : 20-Jul-2005, 05:25:24 Operat : RG
Sample : 1665-0584,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\020F2001.D\FID2B.CH Vial: 20
Acq On : 20-Jul-05, 05:25:24 Operator: RG
Sample : 1665-0584,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\021F2101.D\FID1A.CH Vial: 21
Acq On : 20-Jul-2005, 05:57:39 Operator: RG
Sample : 1665-0587,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\021F2101.D\FID2B.CH Vial: 21
Acq On : 20-Jul-05, 05:57:39 Operator: RG
Sample : 1665-0587,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 14:25 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: 10 X
Signal #1 Info : Signal #2 Info :

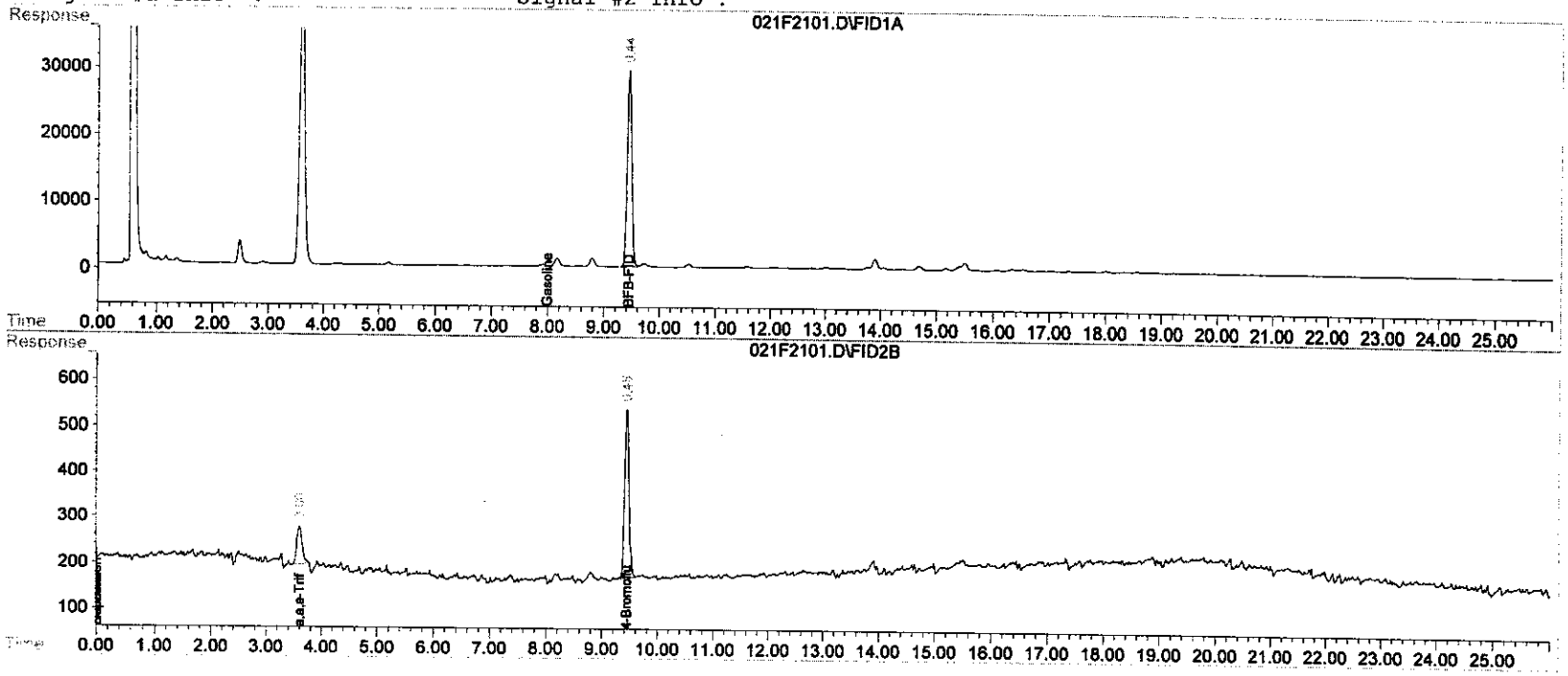
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5559	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1633187	104.577 ug/L
Spiked Amount 100.000		Recovery =	104.58%
3 S 4-Bromofluorobenzene	9.45	20566	105.569 ug/L
Spiked Amount 100.000		Recovery =	105.57%
Target Compounds			
1) H T M Gasoline	8.00	3735833	20.871 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\050719\021F21 D\FID1A.CH Vial: 21
Acq On : 20-Jul-2005, 05:57:39 Operator: RG
Sample : 1665-0587,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\021F2101.D\FID2B.CH Vial: 21
Acq On : 20-Jul-05, 05:57:39 Operator: RG
Sample : 1665-0587,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 14:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\023F2301.D\FID1A.CH Vial: 23
Acq On : 20-Jul-2005, 07:01:39 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\023F2301.D\FID2B.CH Vial: 23
Acq On : 20-Jul-05, 07:01:39 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:20 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 :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5492	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1651596	105.759 ug/L
Spiked Amount 100.000		Recovery =	105.76%
1 S 4-Bromofluorobenzene	9.44	21293	110.629 ug/L
S. .ed Amount 100.000		Recovery =	110.63%
Target Compounds			
1) H T M Gasoline	8.00	24086040	877.239 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	4525	22.395 ug/L
7) T M Toluene	5.17	22872	83.327 ug/L
8) T M Ethylbenzene	7.91	5964	20.544 ug/L
9) T M m,p-Xylene	8.16	28651	80.323 ug/L
10) T M o-Xylene	8.79	11531	39.372 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	4505	9.763 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13454	38.866 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

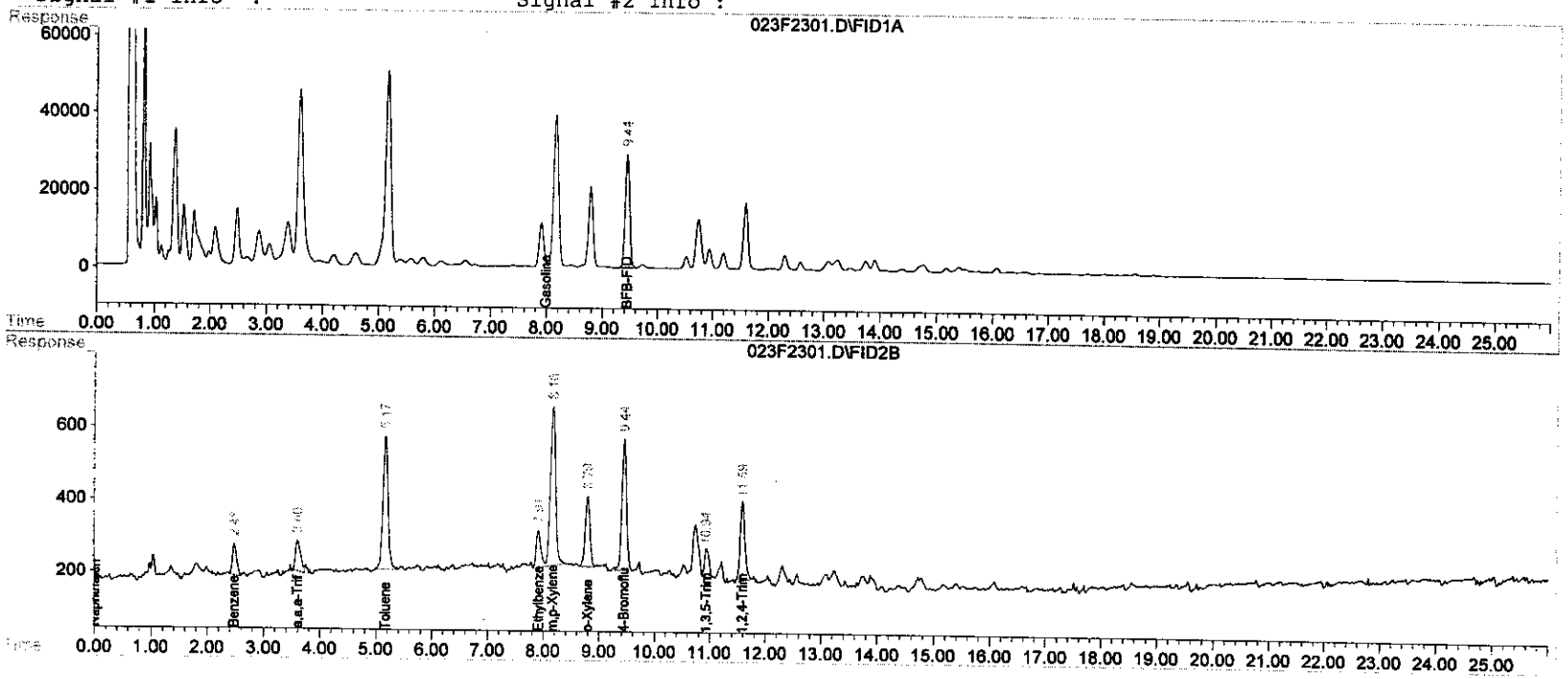
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\023F23 D\FID1A.CH Vial: 23
Acq On : 20-Jul-2005, 07:01:39 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\023F2301.D\FID2B.CH Vial: 23
Acq On : 20-Jul-05, 07:01:39 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:20 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\050719\024F2401.D\FID1A.CH Vial: 24
Acq On : 20-Jul-2005, 07:33:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\024F2401.D\FID2B.CH Vial: 24
Acq On : 20-Jul-05, 07:33:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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 :

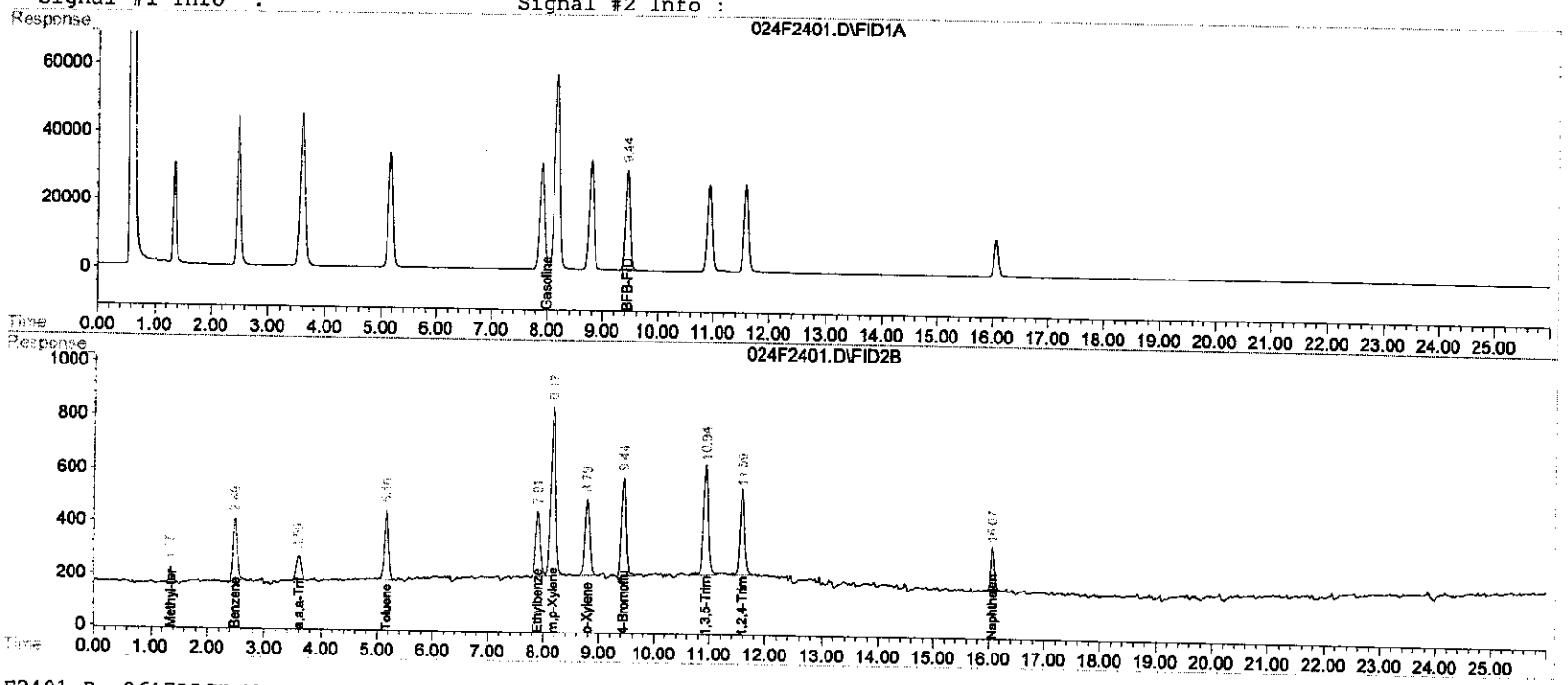
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	5673	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1635513	104.726 ug/L
Spiked Amount 100.000		Recovery =	104.73%
S 4-Bromofluorobenzene	9.45	21586	108.562 ug/L
Spiked Amount 100.000		Recovery =	108.56%
Target Compounds			
1) H T M Gasoline	8.00	19113054	667.968 ug/L
5) T Methyl-tert-butyl ether	1.35	2433	53.064 ug/L
6) T M Benzene	2.49	11516	53.017 ug/L
7) T M Toluene	5.17	15104	52.907 ug/L
8) T M Ethylbenzene	7.91	14556	51.916 ug/L
9) T M m,p-Xylene	8.17	40595	111.120 ug/L
10) T M o-Xylene	8.79	16860	56.120 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	26730	56.067 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	19969	56.334 ug/L
14) T Naphthalene	16.07	9734	52.606 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\024F24 .D\FID1A.CH Vial: 24
Acq On : 20-Jul-2005, 07:33:56 Oper : RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\024F2401.D\FID2B.CH Vial: 24
Acq On : 20-Jul-05, 07:33:56 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\027F2701.D\FID1A.CH Vial: 27
Acq On : 20-Jul-2005, 09:10:55 Operator: RG
Sample : 1665-0589,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\027F2701.D\FID2B.CH Vial: 27
Acq On : 20-Jul-05, 09:10:55 Operator: RG
Sample : 1665-0589,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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: 20X
Signal #1 Info : Signal #2 Info :

RR 50X E

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5924	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1651435	105.749 ug/L
Spiked Amount 100.000		Recovery =	105.75%
3) S 4-Bromofluorobenzene	9.45	20721	99.802 ug/L
Spiked Amount 100.000		Recovery =	99.80%
Target Compounds			
1) H T M Gasoline	8.00	22585003	814.073 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	7.91	69285	245.474 ug/L
9) T M m,p-Xylene	8.17	90832	241.031 ug/L
10) T M o-Xylene	8.79	2605	7.497 ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	11.57	2639	6.140 ug/L
14) T Naphthalene	16.08	2735	17.003 ug/L

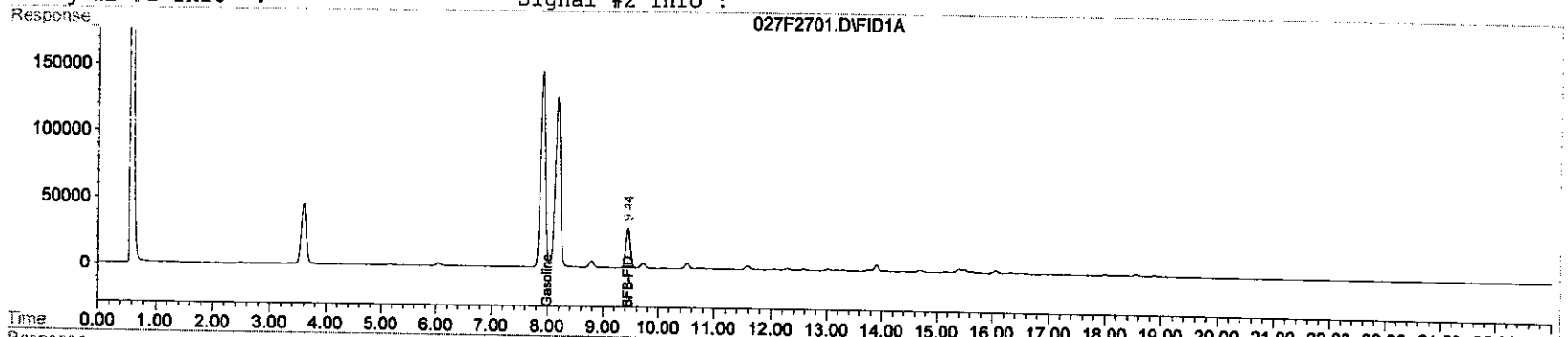
OK

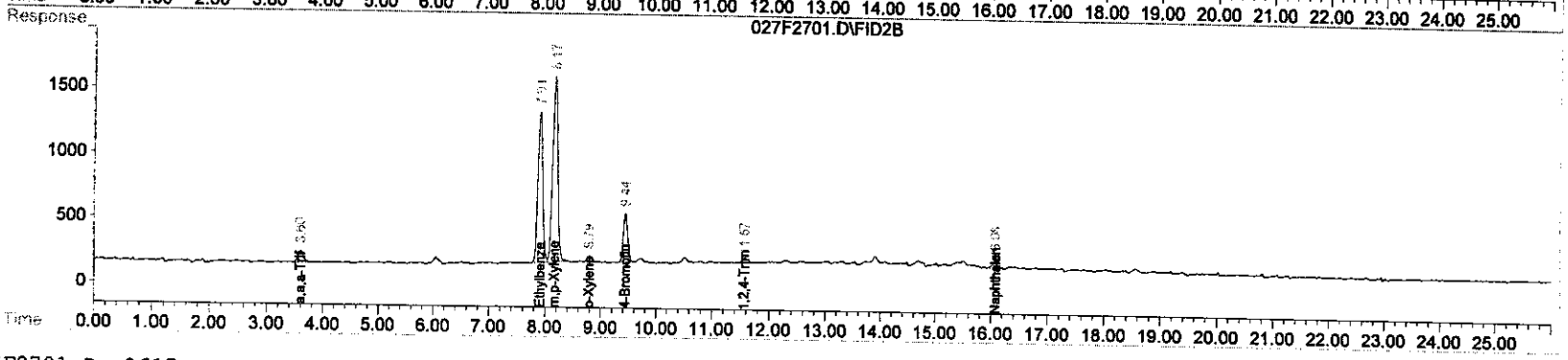
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\027F2 .D\FID1A.CH Vial: 27
Acq On : 20-Jul-2005, 09:10:55 Opera r: RG
Sample : 1665-0589,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\027F2701.D\FID2B.CH Vial: 27
Acq On : 20-Jul-05, 09:10:55 Operator: RG
Sample : 1665-0589,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 12:59 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\050719\028F2801.D\FID1A.CH Vial: 28
Acq On : 20-Jul-2005, 09:43:19 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\028F2801.D\FID2B.CH Vial: 28
Acq On : 20-Jul-05, 09:43:19 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:21 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 :

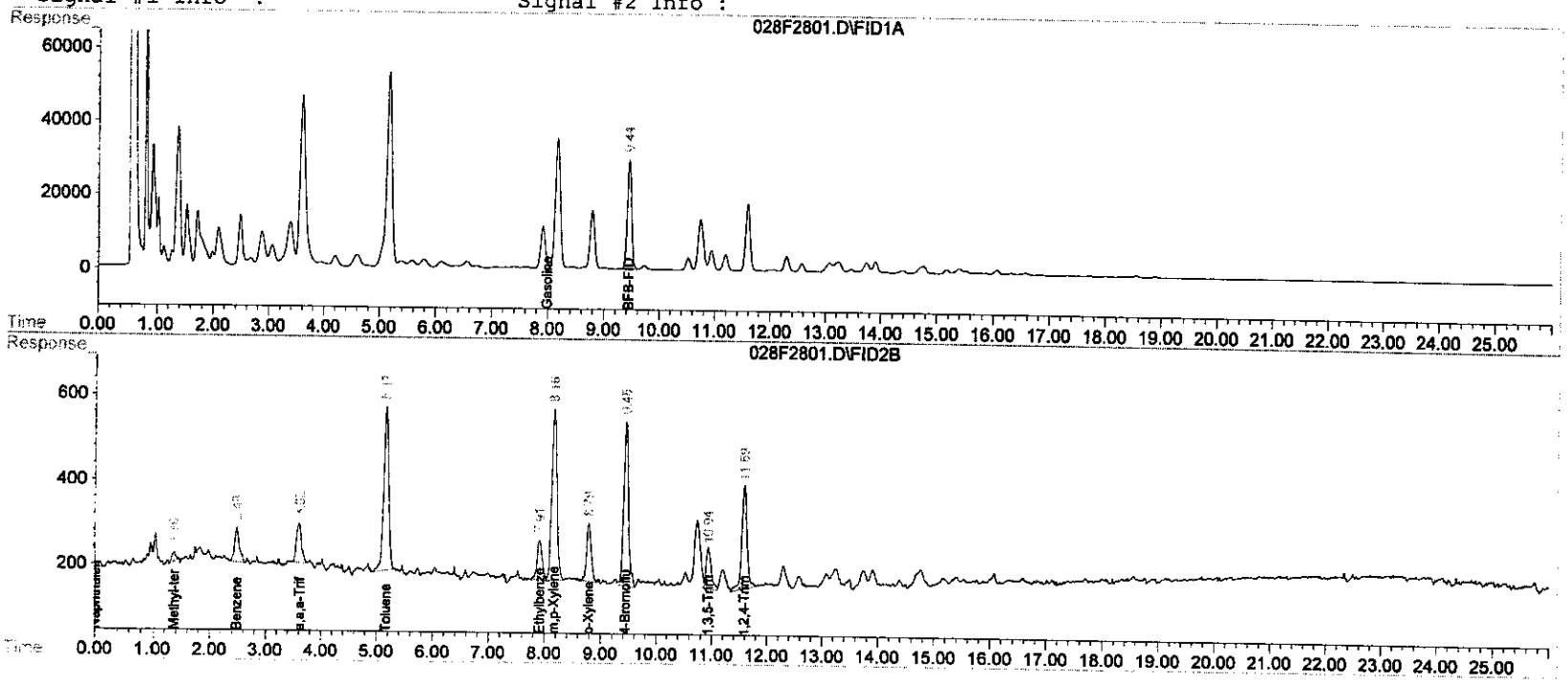
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.62	5793	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.45	1679182	107.530 ug/L
Spiked Amount 100.000		Recovery =	107.53%
1[illegible] S 4-Bromofluorobenzene	9.45	22850	112.544 ug/L
S[illegible]ed Amount 100.000		Recovery =	112.54%
Target Compounds			
1) H T M Gasoline	8.00	24545574	896.577 ug/L
5) T Methyl-tert-butyl ether	1.37	981	20.648 ug/L
6) T M Benzene	2.48	4732	22.217 ug/L
7) T M Toluene	5.17	23583	81.426 ug/L
8) T M Ethylbenzene	7.92	6040	19.625 ug/L
9) T M m,p-Xylene	8.17	25523	67.432 ug/L
10) T M o-Xylene	8.79	8107	25.928 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	6466	13.282 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	16294	44.789 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\028F2f D\FID1A.CH Vial: 28
Acq On : 20-Jul-2005, 09:43:19 Opera..r: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\028F2801.D\FID2B.CH Vial: 28
Acq On : 20-Jul-05, 09:43:19 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:21 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\050719\029F2901.D\FID1A.CH Vial: 29
Acq On : 20-Jul-2005, 10:15:39 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\029F2901.D\FID2B.CH Vial: 29
Acq On : 20-Jul-05, 10:15:39 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:22 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 :

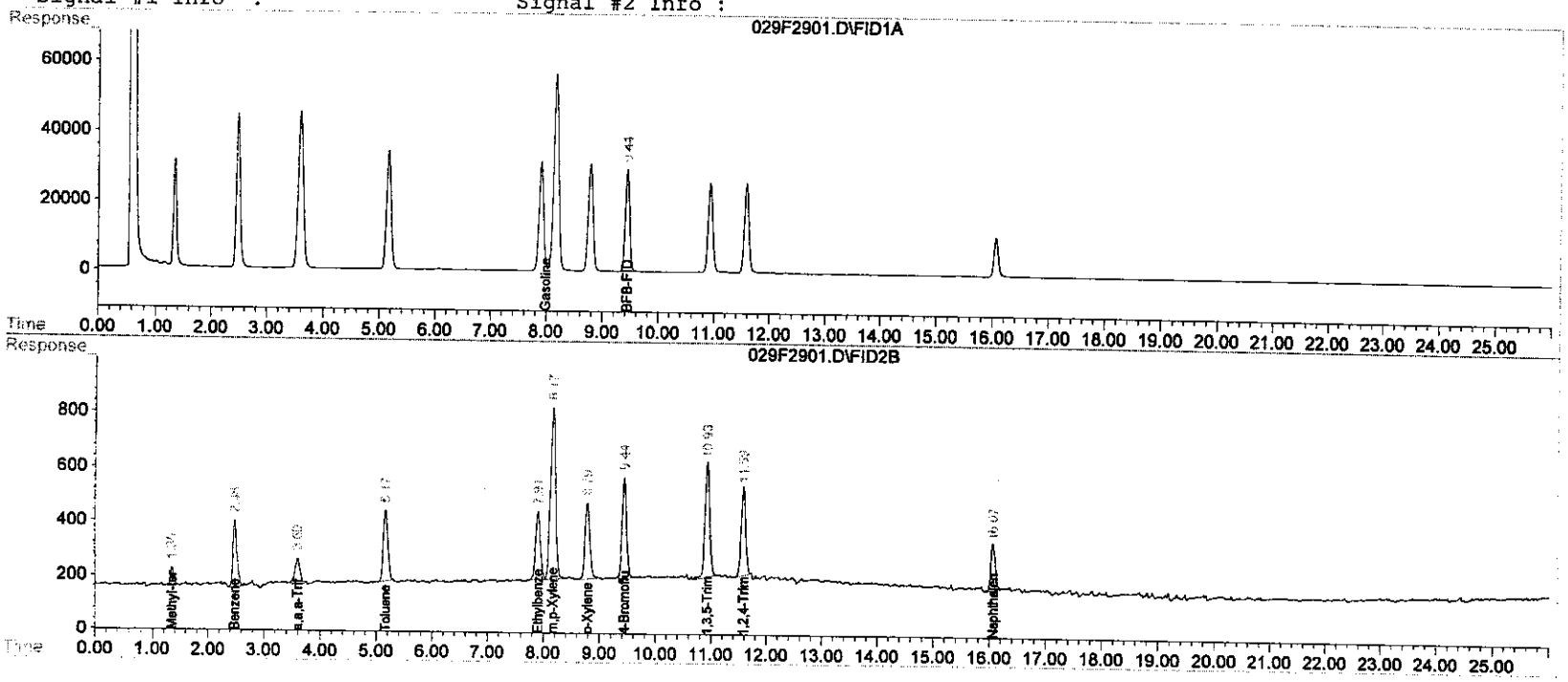
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5787	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1622391	103.884 ug/L
Spiked Amount 100.000		Recovery =	103.88%
3) S 4-Bromofluorobenzene	9.44	20571	101.423 ug/L
Spiked Amount 100.000		Recovery =	101.42%
Target Compounds			
1) H T M Gasoline	8.00	19234404	673.075 ug/L
5) T Methyl-tert-butyl ether	1.35	2603	55.667 ug/L
6) T M Benzene	2.48	12441	56.062 ug/L
7) T M Toluene	5.17	15033	51.598 ug/L
8) T M Ethylbenzene	7.91	15045	52.637 ug/L
9) T M m,p-Xylene	8.17	40397	108.337 ug/L
10) T M o-Xylene	8.79	16912	55.171 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	25799	53.049 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	18587	51.304 ug/L
14) T Naphthalene	16.07	10230	54.077 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\029F2[illegible].D\FID1A.CH Vial: 29
Acq On : 20-Jul-2005, 10:15:39 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050719\029F2901.D\FID2B.CH Vial: 29
Acq On : 20-Jul-05, 10:15:39 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 13:22 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 :



Pace Analytical

PACE ANALY CAL DEL CARIBE

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 60**

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-355	bcc1	GC-S-1-358	is1	GC-S-1-356	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	n/a	is4	n/a	m4	n/a	ms4	n/a

KP 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	n/a	n/a	001F0101	Water	5mL	1	7/20/05 16:05 **Run# 3974**	
2	n/a	Instrument BL	n/a	n/a	001F0201	Water	5mL	1	7/20/05 16:38	
3	n/a	Instrument BL	n/a	n/a	001F0301	Water	5mL	1	7/20/05 17:10	
4	n/a	Instrument BL	n/a	n/a	001F0401	Water	5mL	1	7/20/05 17:42	
5	n/a	GRO CCV	n/a	n/a	046F0501	Water	5mL	1	7/20/05 18:54	
6	n/a	BTEX CCV	n/a	n/a	047F0601	Water	5mL	1	7/20/05 19:26	
7	n/a	MB Sol	n/a	2100/2101	001F0701	Soil	10.00g	1	7/20/05 19:59	High extended solvent front-- DNR
8	n/a	LCS Sol	n/a	2100/2101	002F0801	Soil	5.00g	1	7/20/05 20:31	
9	05-1684	0681	n/a	2100/2101	003F0901	Soil	10.01g	5	7/20/05 21:04	
10	05-1656	0530	n/a	2100/2101	004F1001	Soil	10.01g	1	7/20/05 21:36	
11	n/a	MB Aq	n/a	2102/2103	005F1101	Water	5mL	1	7/20/05 22:09	
12	n/a	LCS Aq	n/a	2102/2103	006F1201	Water	5mL	1	7/20/05 22:41	
13	n/a	LCSD Aq	n/a	2102/2103	007F1301	Water	5mL	1	7/20/05 23:13	
14	05-1665	0585	<2	2102/2103	008F1401	Water	0.5mL	10	7/20/05 23:45	
15	05-1657	0539	>2	2102/2103	009F1501	Water	0.25mL	20	7/21/05 0:17 **Run# 3975**	Sample was unpreserved.
16	05-1665	0590	<2	2102/2103	010F1601	Water	0.01mL	500	7/21/05 0:50	
17	n/a	GRO CCV	n/a	n/a	011F1701	Water	5mL	1	7/21/05 1:22	
18	n/a	BTEX CCV	n/a	n/a	012F1801	Water	5mL	1	7/21/05 1:55	
19	05-1657	0541	>2	2102/2103	013F1901	Water	0.1mL	50	7/21/05 2:27	Sample was unpreserved.
20	05-1665	0589	<2	2102/2103	014F2001	Water	0.1mL	50	7/21/05 3:00	
21	n/a	MB Sol	n/a	2100/2101	015F2101	Soil	10.00g	1	7/21/05 3:32	

PACE ANALYTICAL DEL CARIBE

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-1-355	bcc1	GC-S-1-358	is1	GC-S-1-356	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	n/a	is4	n/a	m4	n/a	ms4	n/a

KD 7/25/05

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
22	05-1656	0531	n/a	2100/2101	016F2201	Soil	10.03g	1	7/21/05 4:04	
23	05-1656	0532	n/a	2100/2101	017F2301	Soil	9.97g	1	7/21/05 4:37	
24	05-1656	0533	n/a	2100/2101	018F2401	Soil	10.01g	1	7/21/05 5:09	RR 50X all-- DNR
25	05-1656	0534	n/a	2100/2101	019F2501	Soil	10.00g	1	7/21/05 5:41	RR carry-over? – Repeat on 7/25/05
26	05-1656	0535	n/a	2100/2101	020F2601	Soil	9.98g	1	7/21/05 6:13	
27	05-1656	0536	n/a	2100/2101	021F2701	Soil	10.02g	1	7/21/05 6:46	
28	05-1691	0708	n/a	2100/2101	022F2801	Soil	10.00g	1	7/21/05 7:18	
29	n/a	GRO CCV	n/a	n/a	023F2901	Water	5mL	1	7/21/05 7:50	
30	n/a	BTEX CCV	n/a	n/a	024F3001	Water	5mL	1	7/21/05 8:23	
31	05-1691	0709	n/a	2100/2101	025F3101	Soil	10.00g	1	7/21/05 8:55	
32	05-1691	0710	n/a	2100/2101	026F3201	Soil	9.97g	1	7/21/05 9:27	
33	05-1691	0711	n/a	2100/2101	027F3301	Soil	9.98g	1	7/21/05 10:00	
34	05-1691	0712	n/a	2100/2101	028F3401	Soil	10.03g	1	7/21/05 10:32	
35	n/a	GRO CCV	n/a	n/a	029F3501	Water	5mL	1	7/21/05 11:04	
36	n/a	BTEX CCV	n/a	n/a	030F3601	Water	5mL	1	7/21/05 11:37	

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
' ponse via : Initial Calibration

Non-Spiked Sample: 005F1101.D

	Spike Sample	Spike Duplicate Sample
File ID :	006F1201.D	007F1301.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	20-Jul-2005, 22:41:09	20-Jul-2005, 23:13:09

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1456	1573	89	96	8	20	70-130
Benzene	0.0	23	26	26	116	113	3	20	70-130
Toluene	0.0	123	120	128	97	103	6	20	70-130
Ethylbenzene	0.0	29	27	25	91	84	8	20	70-130
m,p-Xylene	0.0	103	96	103	94	100	7	20	70-130
o-Xylene	0.0	42	38	44	90	105	15	20	70-130

- Fails Limit Check

0617ARCH.M Mon Jul 25 14:09:13 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\046F0501.D\FID1A.CH Vial: 46
Acq On : 20-Jul-2005, 18:54:15 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\046F0501.D\FID2B.CH Vial: 46
Acq On : 20-Jul-05, 18:54:15 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 21:16 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 :

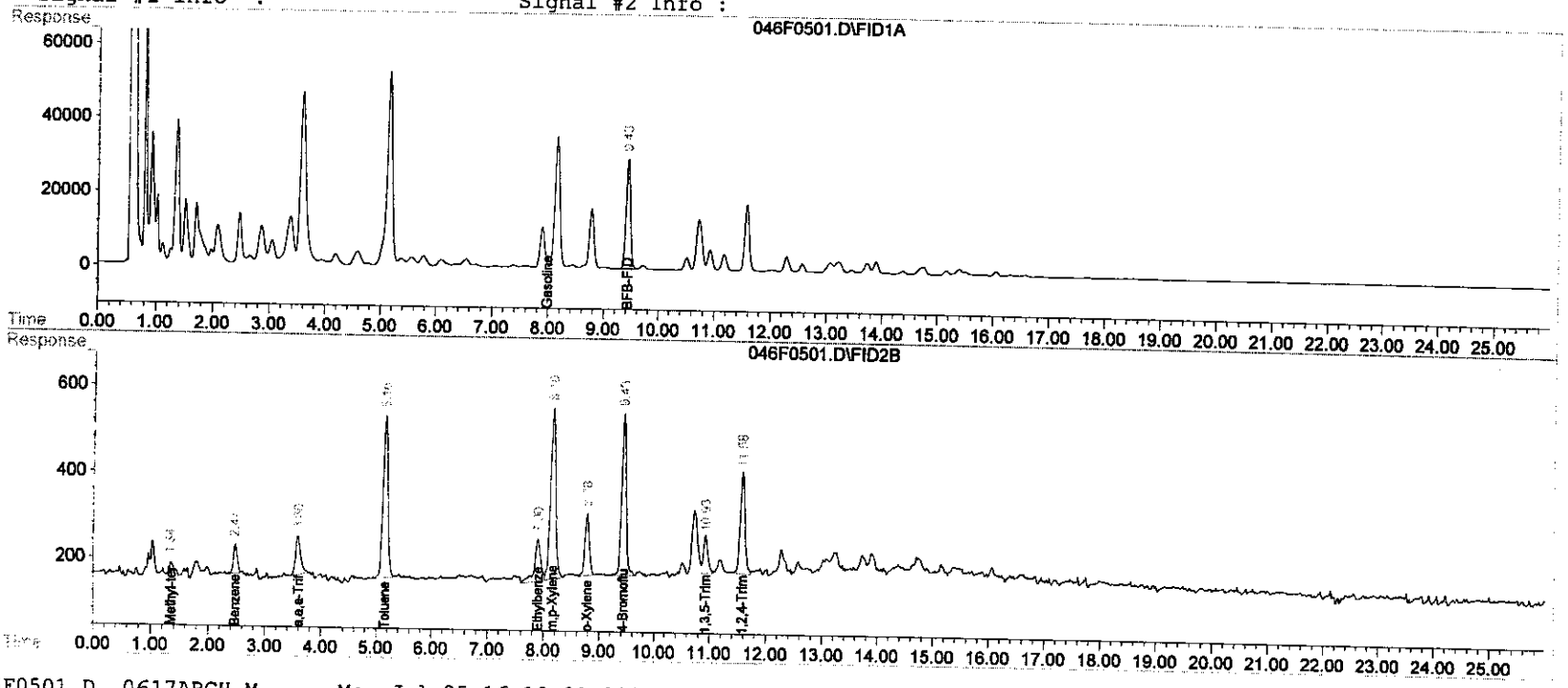
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6006	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1684393	107.864 ug/L
Spiked Amount 100.000		Recovery =	107.86%
S 4-Bromofluorobenzene	9.44	21580	102.523 ug/L
Spiked Amount 100.000		Recovery =	102.52%
Target Compounds			
1) H T M Gasoline	8.00	25167258	922.739 ug/L
5) T Methyl-tert-butyl ether	1.35	902	18.257 ug/L
6) T M Benzene	2.48	3165	14.856 ug/L
7) T M Toluene	5.16	22917	76.256 ug/L
8) T M Ethylbenzene	7.90	7626	24.442 ug/L
9) T M m,p-Xylene	8.16	25505	64.905 ug/L
10) T M o-Xylene	8.78	8304	25.603 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	5253	10.408 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	14303	37.747 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\046F0 1.D\FID1A.CH Vial: 46
Acq On : 20-Jul-2005, 18:54:15 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\046F0501.D\FID2B.CH Vial: 46
Acq On : 20-Jul-05, 18:54:15 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 21:16 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\050720A\047F0601.D\FID1A.CH Vial: 47
Acq On : 20-Jul-2005, 19:26:34 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\047F0601.D\FID2B.CH Vial: 47
Acq On : 20-Jul-05, 19:26:34 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 21:17 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 :

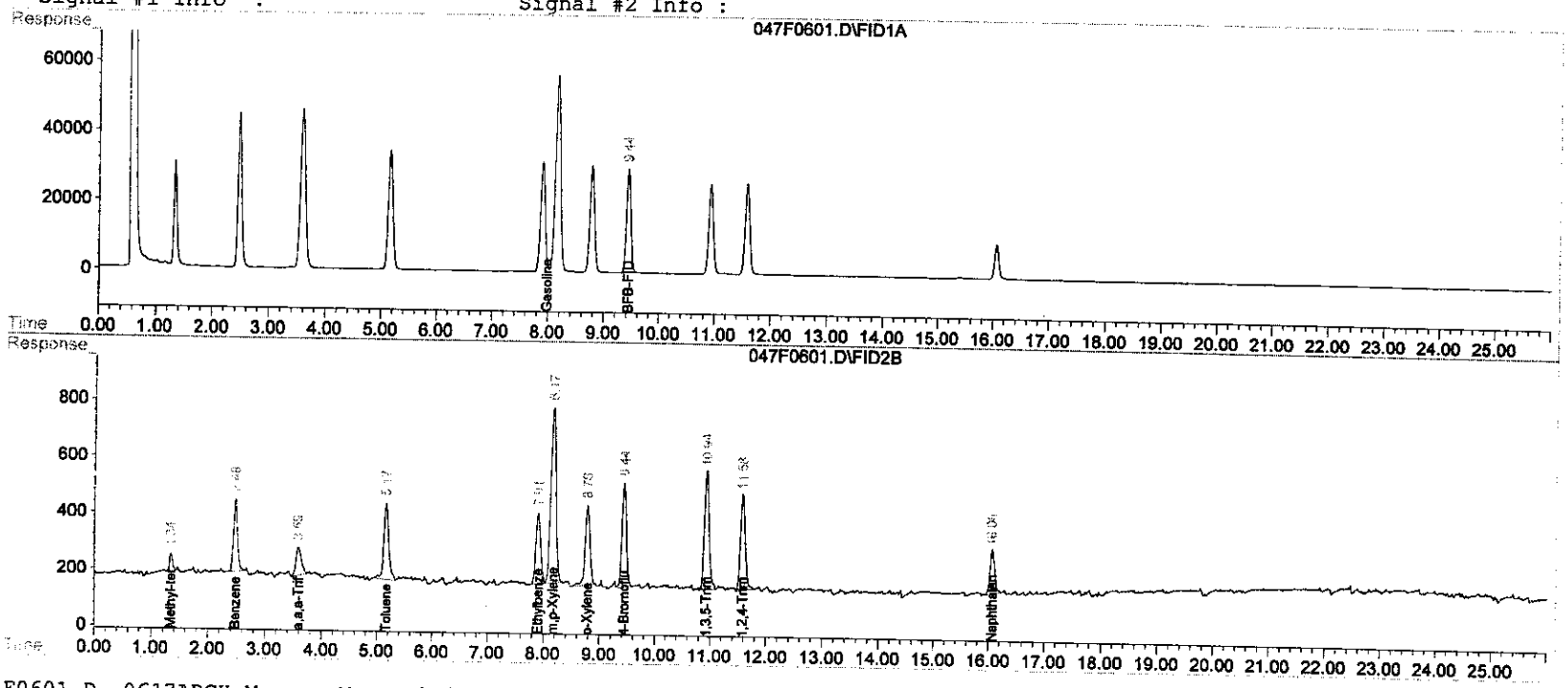
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6682	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1633365	104.589 ug/L
Spiked Amount 100.000		Recovery =	104.59%
1 S 4-Bromofluorobenzene	9.44	20992	89.637 ug/L
Spiked Amount 100.000		Recovery =	89.64%
Target Compounds			
1) H T M Gasoline	8.00	19091861	667.076 ug/L
5) T Methyl-tert-butyl ether	1.34	2192	40.476 ug/L
6) T M Benzene	2.48	12156	47.668 ug/L
7) T M Toluene	5.17	17177	51.049 ug/L
8) T M Ethylbenzene	7.91	14797	44.472 ug/L
9) T M m,p-Xylene	8.17	39419	91.161 ug/L
10) T M o-Xylene	8.79	16883	47.574 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	26118	46.514 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	20183	48.181 ug/L
14) T Naphthalene	16.07	9266	43.263 ug/L

Data Fi' : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\047F0 `1.D\FID1A.CH Vial: 47
Acq On : 20-Jul-2005, 19:26:34 Opera r: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\047F0601.D\FID2B.CH Vial: 47
Acq On : 20-Jul-05, 19:26:34 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 20 21:17 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\050720A\005F1101.D\FID1A.CH Vial: 5
Acq On : 20-Jul-2005, 22:09:00 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\005F1101.D\FID2B.CH Vial: 5
Acq On : 20-Jul-05, 22:09:00 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:28 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 :

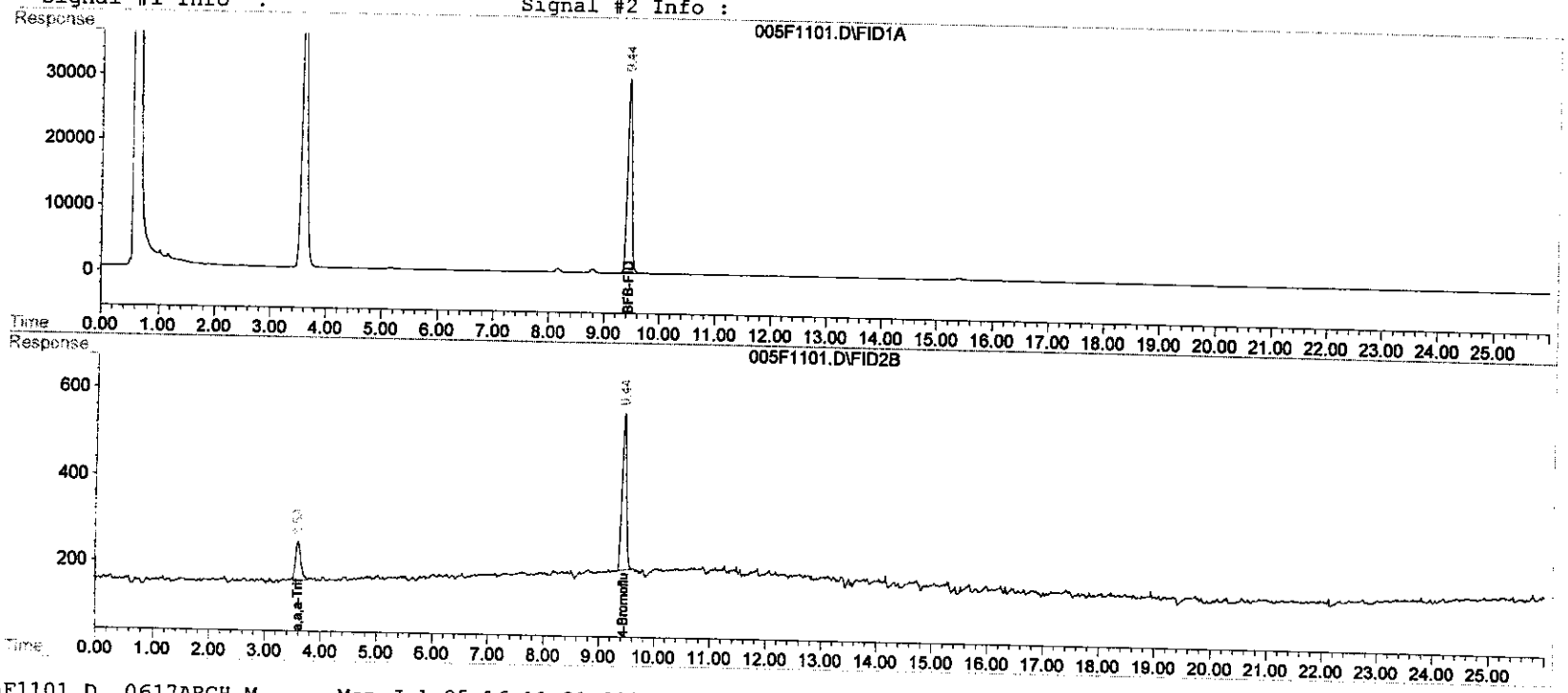
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	6081	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1650526	105.690 ug/L
Spiked Amount 100.000		Recovery =	105.69%
1[illegible] S 4-Bromofluorobenzene	9.44	19783	92.830 ug/L
S[illegible]ed Amount 100.000		Recovery =	92.83%
Target Compounds			
1) H T M Gasoline	8.00	3038180	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 File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\005F1101.D\FID1A.CH Vial: 5
Acq On : 20-Jul-2005, 22:09:00 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\005F1101.D\FID2B.CH Vial: 5
Acq On : 20-Jul-05, 22:09:00 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:28 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\006F1201.D\FID1A.CH Vial: 6
Acq On : 20-Jul-2005, 22:41:09 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\006F1201.D\FID2B.CH Vial: 6
Acq On : 20-Jul-05, 22:41:09 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:41 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 :

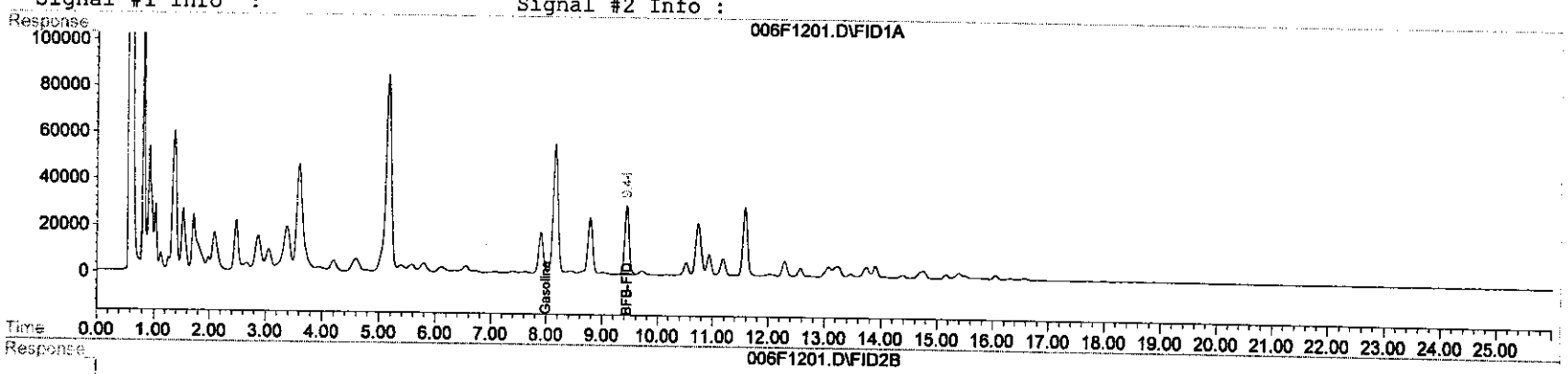
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6281	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1690219	108.238 ug/L
Spiked Amount 100.000		Recovery =	108.24%
3) S 4-Bromofluorobenzene	9.44	20997	95.394 ug/L
Spiked Amount 100.000		Recovery =	95.39%
Target Compounds			
1) H T M Gasoline	8.00	37841351	1456.084 ug/L
5) T Methyl-tert-butyl ether	1.36	1594	31.194 ug/L
6) T M Benzene	2.47	6166	26.404 ug/L
7) T M Toluene	5.17	37462	119.772 ug/L
8) T M Ethylbenzene	7.91	8701	26.895 ug/L
9) T M m,p-Xylene	8.16	39031	96.172 ug/L
10) T M o-Xylene	8.79	12651	37.735 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	8855	16.777 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	22674	57.809 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

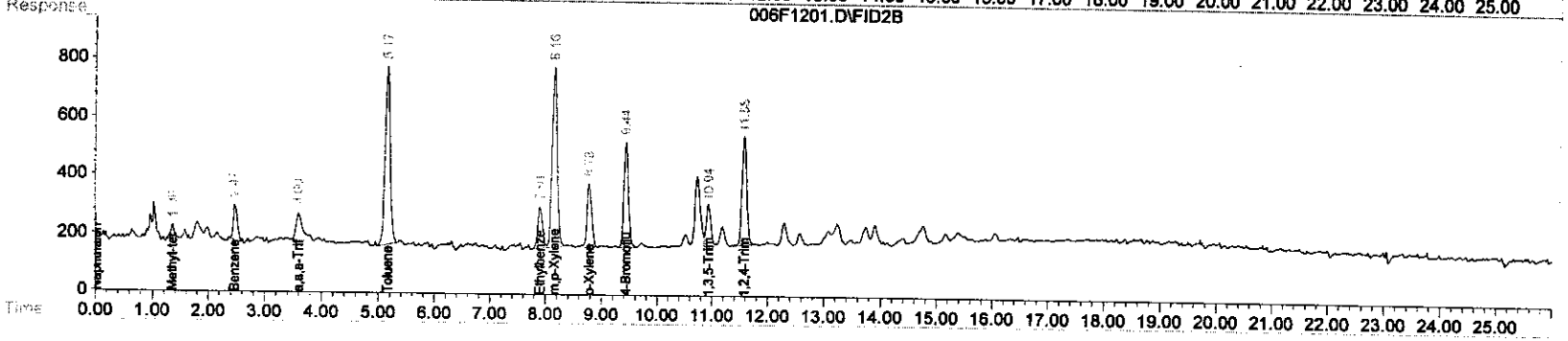
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\006F1 1.D\FID1A.CH Vial: 6
Acq On : 20-Jul-2005, 22:41:09 Opera r: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\006F1201.D\FID2B.CH Vial: 6
Acq On : 20-Jul-05, 22:41:09 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:41 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\050720A\007F1301.D\FID1A.CH Vial: 7
Acq On : 20-Jul-2005, 23:13:09 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\007F1301.D\FID2B.CH Vial: 7
Acq On : 20-Jul-05, 23:13:09 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:41 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 :

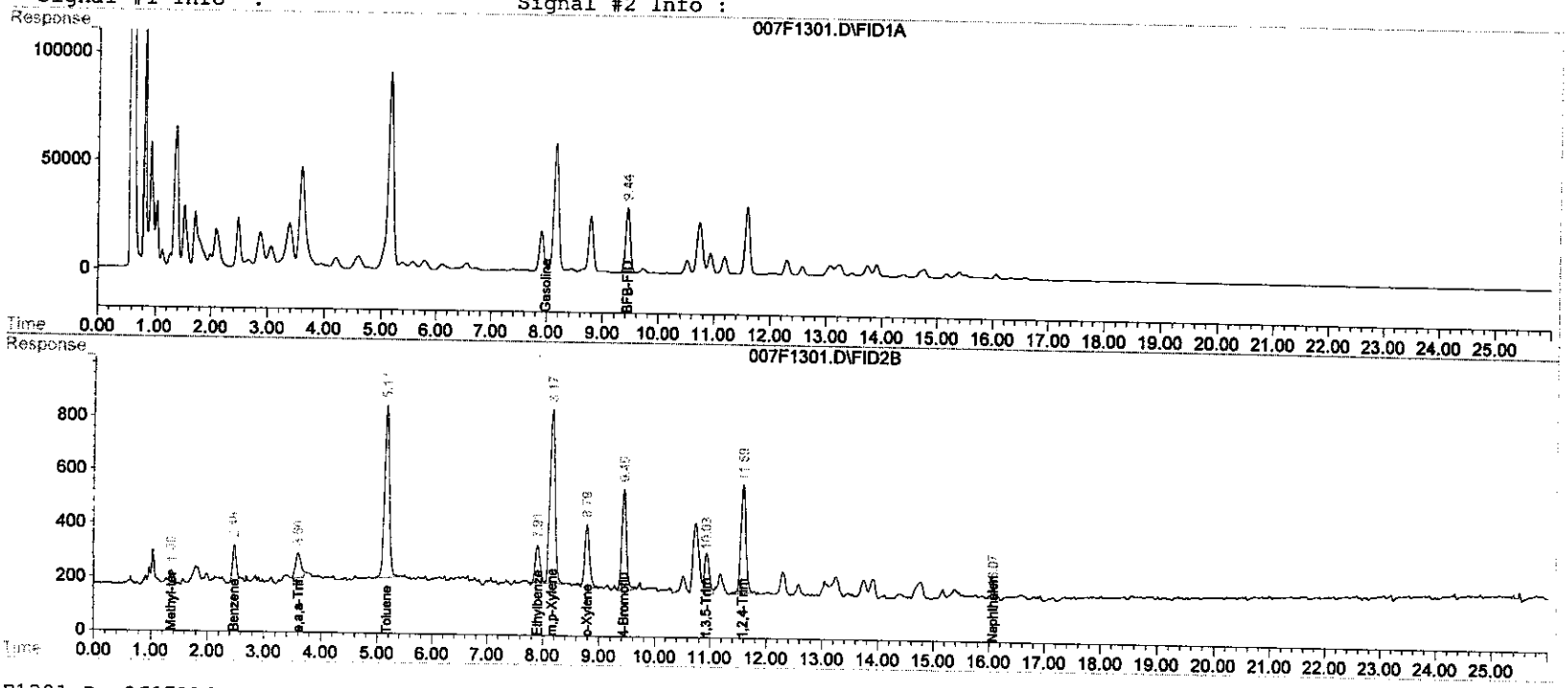
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6207	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1721844	110.269 ug/L
Spiked Amount 100.000		Recovery =	110.27%
1[illegible] S 4-Bromofluorobenzene	9.45	21594	99.270 ug/L
S[illegible]ed Amount 100.000		Recovery =	99.27%
Target Compounds			
1) H T M Gasoline	8.00	40630496	1573.456 ug/L
5) T Methyl-tert-butyl ether	1.36	1941	38.556 ug/L
6) T M Benzene	2.48	5926	25.719 ug/L
7) T M Toluene	5.17	39414	127.575 ug/L
8) T M Ethylbenzene	7.91	7993	24.824 ug/L
9) T M m,p-Xylene	8.16	41110	102.670 ug/L
10) T M o-Xylene	8.79	14452	43.768 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9510	18.233 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	24775	64.039 ug/L
14) T Naphthalene	16.07	1399	10.296 ug/L

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\007F[illegible]1.D\FID1A.CH Vial: 7
Acq On : 20-Jul-2005, 23:13:09 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\007F1301.D\FID2B.CH Vial: 7
Acq On : 20-Jul-05, 23:13:09 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:41 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\050720A\008F1401.D\FID1A.CH Vial: 8
Acq On : 20-Jul-2005, 23:45:30 Operator: RG
Sample : 1665-0585,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\008F1401.D\FID2B.CH Vial: 8
Acq On : 20-Jul-05, 23:45:30 Operator: RG
Sample : 1665-0585,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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 : 10x

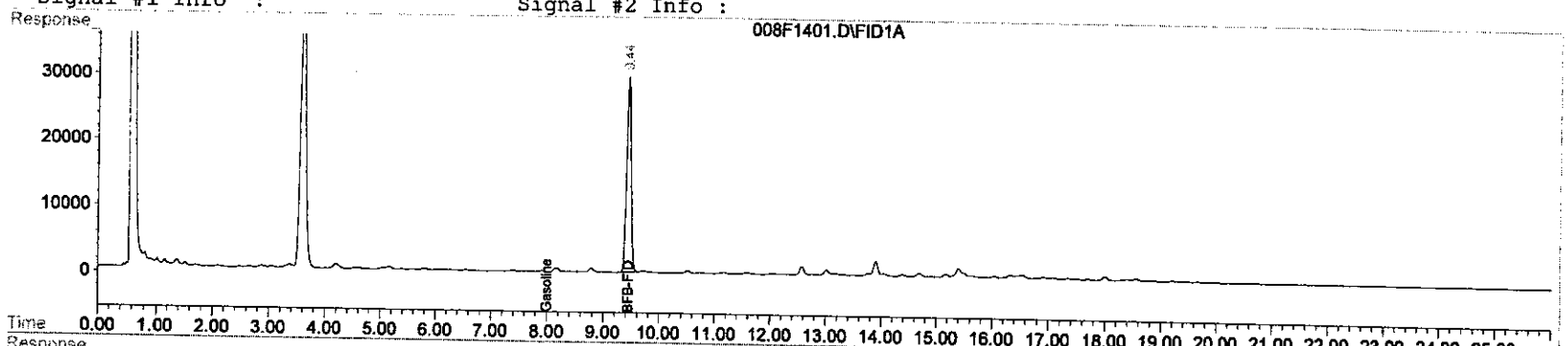
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5945	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1643457	105.236 ug/L
Spiked Amount 100.000		Recovery =	105.24%
11) S 4-Bromofluorobenzene	9.45	20644	99.089 ug/L
S ed Amount 100.000		Recovery =	99.09%
Target Compounds			
1) H T M Gasoline	8.00	3916561	28.476 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	15.94	495	6.259 ug/L

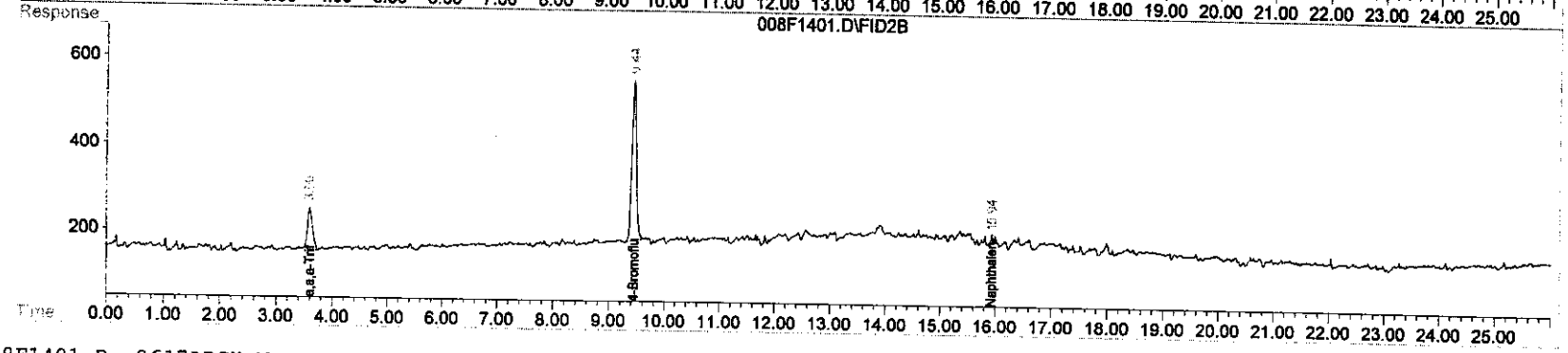
Data F: : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\008F 1.D\FID1A.CH Vial: 8
Acq On : 20-Jul-2005, 23:45:30 Operator: RG
Sample : 1665-0585,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\008F1401.D\FID2B.CH Vial: 8
Acq On : 20-Jul-05, 23:45:30 Operator: RG
Sample : 1665-0585,,10, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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\050720A\010F1601.D\FID1A.CH Vial: 10
Acq On : 21-Jul-2005, 00:50:12 Operator: RG
Sample : 1665-0590,,500, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\010F1601.D\FID2B.CH Vial: 10
Acq On : 21-Jul-05, 00:50:12 Operator: RG
Sample : 1665-0590,,500, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:43 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: ✓ 00K
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.58	5336	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1643313	105.227 ug/L
Spiked Amount 100.000		Recovery =	105.23%
3 S 4-Bromofluorobenzene	9.44	20346	108.787 ug/L
Spiked Amount 100.000		Recovery =	108.79%
Target Compounds			
1) H T M Gasoline	8.00	17392659	595.571 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.49	10063	49.362 ug/L
7) T M Toluene	5.17	9561	35.280 ug/L
8) T M Ethylbenzene	7.91	7195	26.110 ug/L
9) T M m,p-Xylene	8.16	51925	152.032 ug/L
10) T M o-Xylene	8.79	44305	158.489 ug/L
12) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
13) T 1,2,4-Trimethylbenzene	11.60	1161	2.420 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

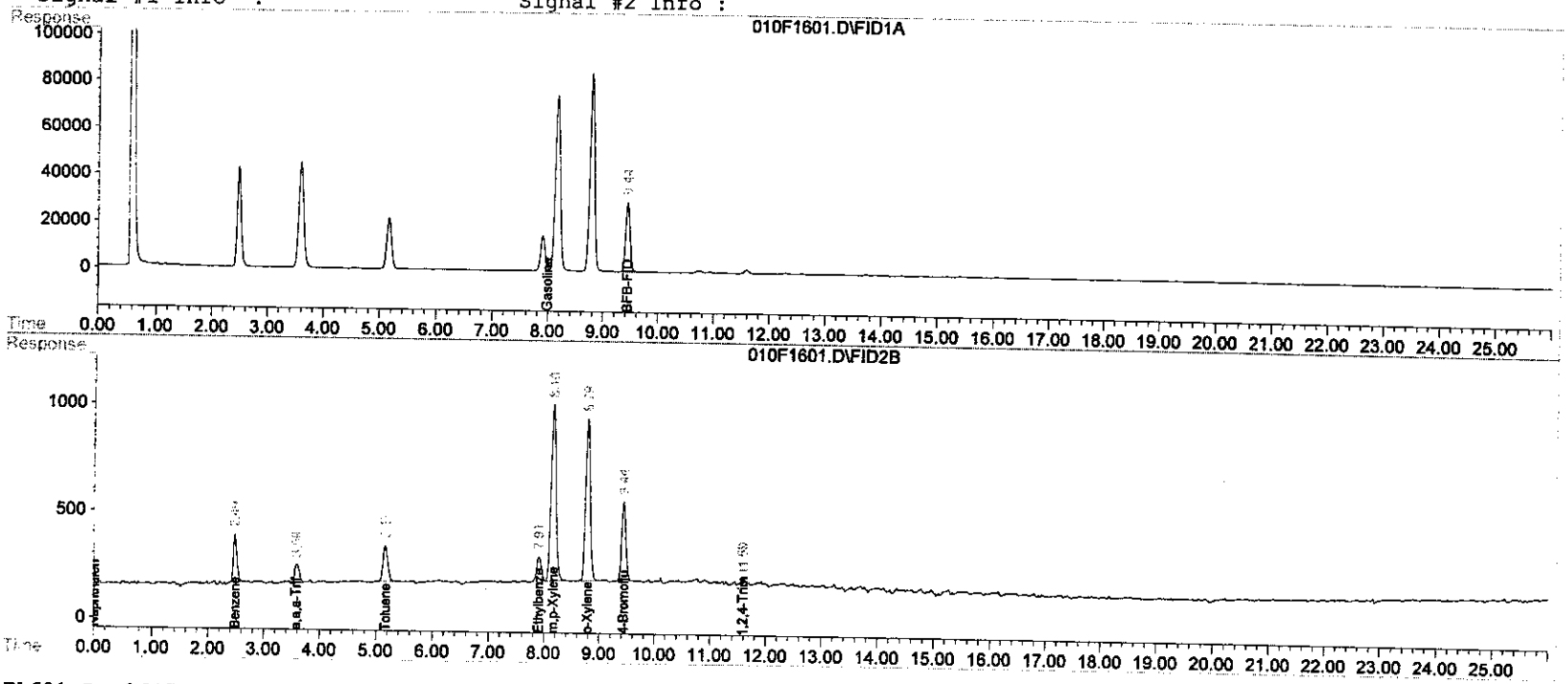
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\010F' 1.D\FID1A.CH Vial: 10
Acq On : 21-Jul-2005, 00:50:12 Oper. r: RG
Sample : 1665-0590,,500, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\010F1601.D\FID2B.CH Vial: 10
Acq On : 21-Jul-05, 00:50:12 Operator: RG
Sample : 1665-0590,,500, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:43 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\050720A\011F1701.D\FID1A.CH Vial: 11
Acq On : 21-Jul-2005, 01:22:56 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\011F1701.D\FID2B.CH Vial: 11
Acq On : 21-Jul-05, 01:22:56 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:34 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 :

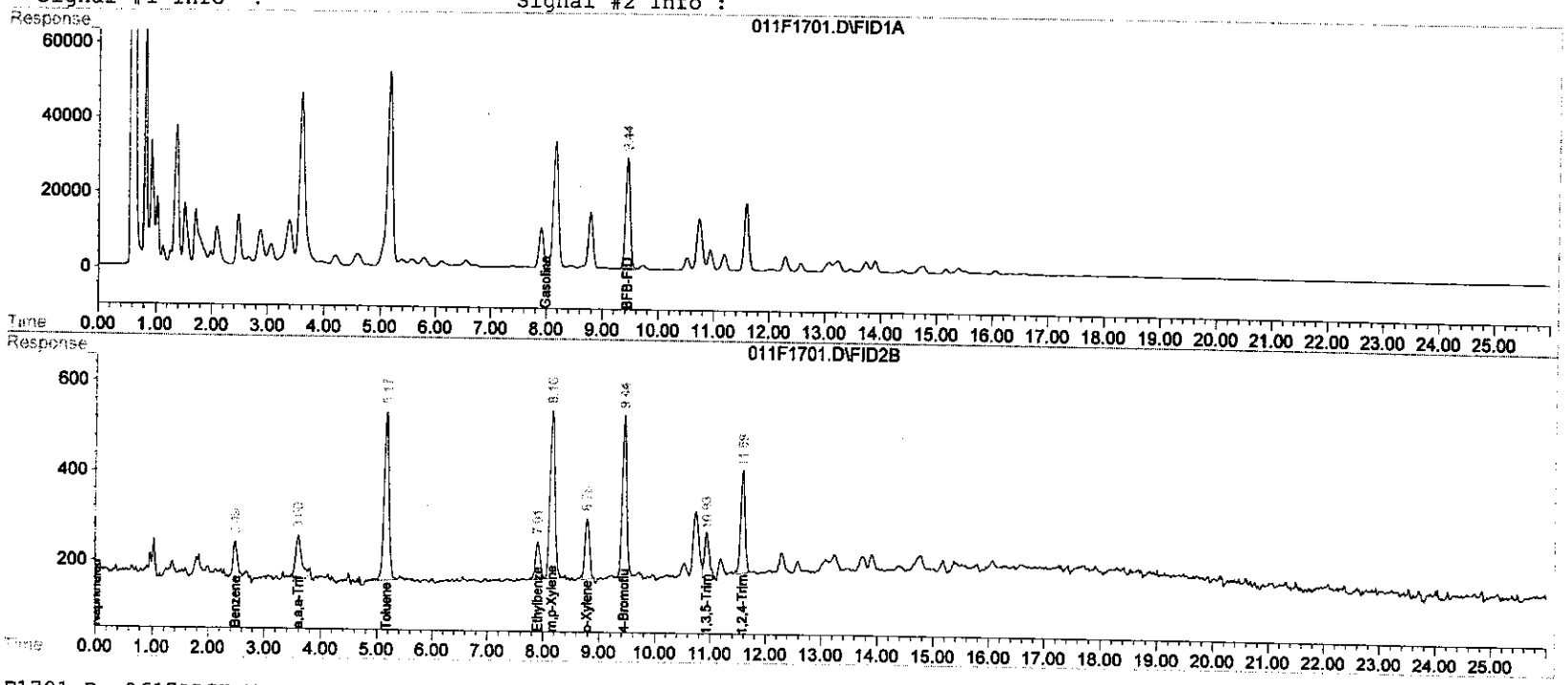
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6841	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1667439	106.776 ug/L
Spiked Amount 100.000		Recovery =	106.78%
3) S 4-Bromofluorobenzene	9.44	19896	82.991 ug/L
Spiked Amount 100.000		Recovery =	82.99%
Target Compounds			
1) H T M Gasoline	8.00	24304715	886.441 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.49	4237	17.201 ug/L
7) T M Toluene	5.17	23108	67.398 ug/L
8) T M Ethylbenzene	7.91	4898	12.703 ug/L
9) T M m,p-Xylene	8.16	23324	51.607 ug/L
10) T M o-Xylene	8.79	7680	20.613 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	6455	11.230 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13187	30.341 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\011F 1.D\FID1A.CH Vial: 11
Acq On : 21-Jul-2005, 01:22:56 Opera r: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\011F1701.D\FID2B.CH Vial: 11
Acq On : 21-Jul-05, 01:22:56 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:34 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\050720A\012F1801.D\FID1A.CH Vial: 12
Acq On : 21-Jul-2005, 01:55:11 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\012F1801.D\FID2B.CH Vial: 12
Acq On : 21-Jul-05, 01:55:11 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:35 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 :

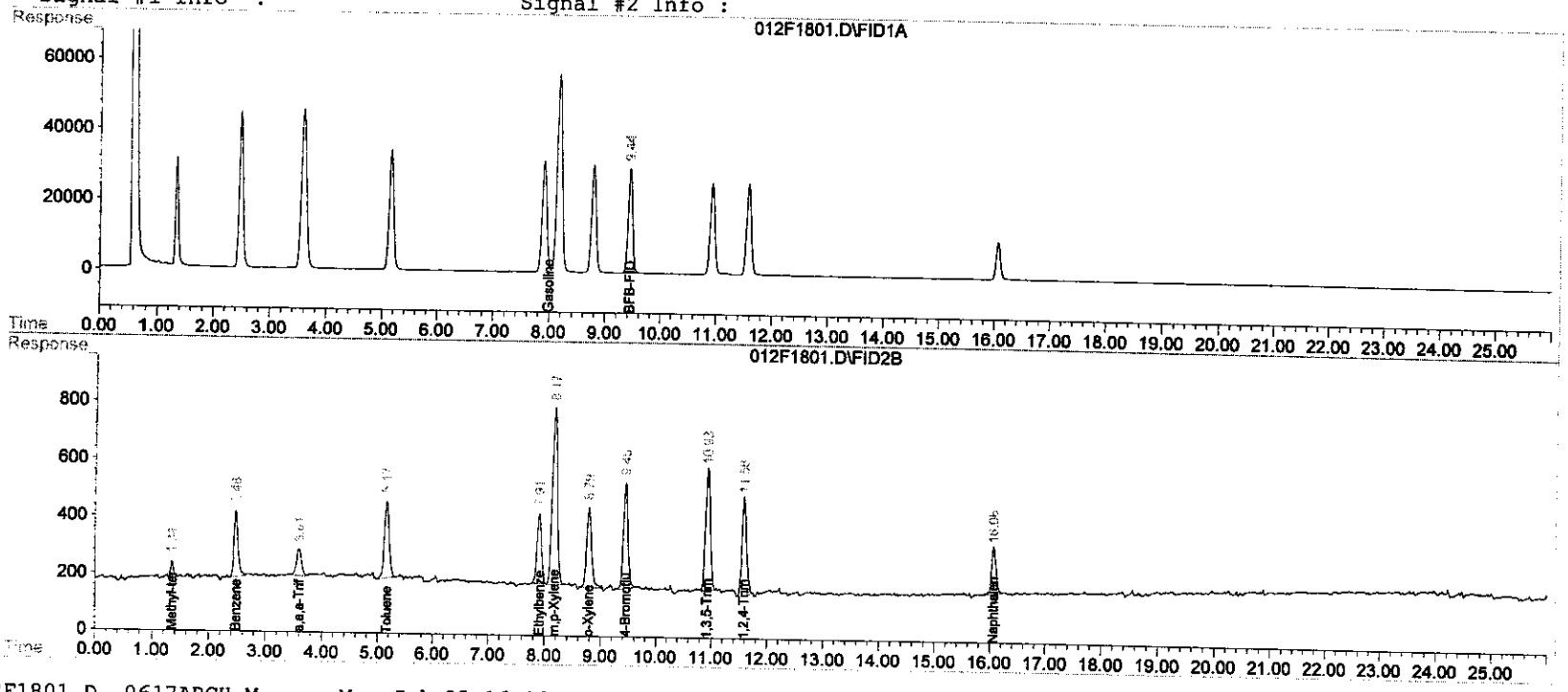
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.61	6069	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1635056	104.697 ug/L
Spiked Amount 100.000		Recovery =	104.70%
1 S 4-Bromofluorobenzene	9.45	21220	99.760 ug/L
S. .ed Amount 100.000		Recovery =	99.76%
Target Compounds			
1) H T M Gasoline	8.00	19176606	670.643 ug/L
5) T Methyl-tert-butyl ether	1.34	2141	43.563 ug/L
6) T M Benzene	2.48	11249	48.537 ug/L
7) T M Toluene	5.17	16519	54.109 ug/L
8) T M Ethylbenzene	7.91	14059	46.634 ug/L
9) T M m,p-Xylene	8.17	39179	99.995 ug/L
10) T M o-Xylene	8.79	17463	54.304 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	24178	47.405 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	20279	53.418 ug/L
14) T Naphthalene	16.07	9769	49.590 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\012F' 1.D\FID1A.CH Vial: 12
Acq On : 21-Jul-2005, 01:55:11 Opera r: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\012F1801.D\FID2B.CH Vial: 12
Acq On : 21-Jul-05, 01:55:11 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:35 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\050720A\014F2001.D\FID1A.CH Vial: 14
Acq On : 21-Jul-2005, 03:00:27 Operator: RG
Sample : 1665-0589,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\014F2001.D\FID2B.CH Vial: 14
Acq On : 21-Jul-05, 03:00:27 Operator: RG
Sample : 1665-0589,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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 :

JDX

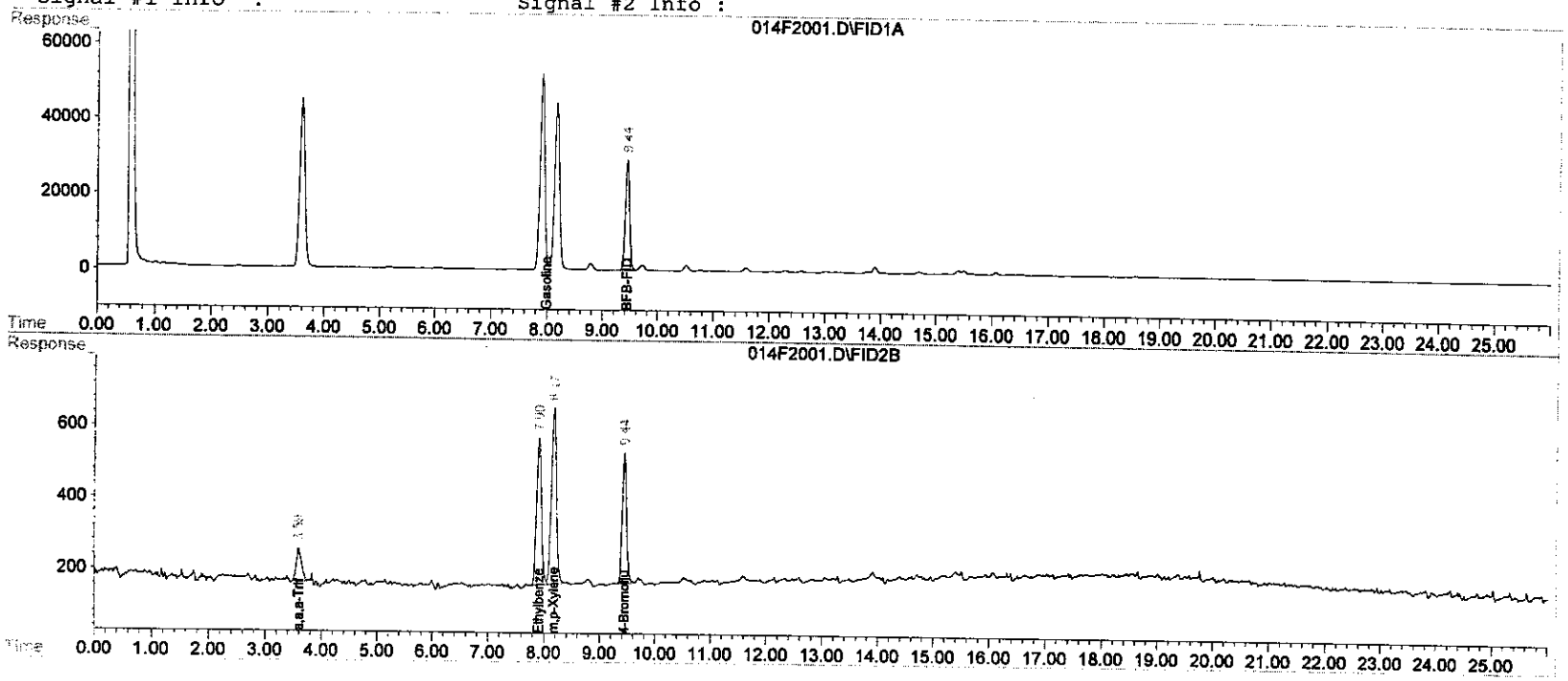
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5790	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1615831	103.463 ug/L
Spiked Amount 100.000		Recovery =	103.46%
1 S 4-Bromofluorobenzene	9.45	20516	101.100 ug/L
Spiked Amount 100.000		Recovery =	101.10%
Target Compounds			
1) H T M Gasoline	8.00	9684707	271.209 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	7.91	24338	86.638 ug/L
9) T M m,p-Xylene	8.17	31451	83.737 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\050720A\014F2 1.D\FID1A.CH Vial: 14
Acq On : 21-Jul-2005, 03:00:27 Operator: RG
Sample : 1665-0589,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\014F2001.D\FID2B.CH Vial: 14
Acq On : 21-Jul-05, 03:00:27 Operator: RG
Sample : 1665-0589,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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\050720A\023F2901.D\FID1A.CH Vial: 23
Acq On : 21-Jul-2005, 07:50:22 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\023F2901.D\FID2B.CH Vial: 23
Acq On : 21-Jul-05, 07:50:22 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:36 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 :

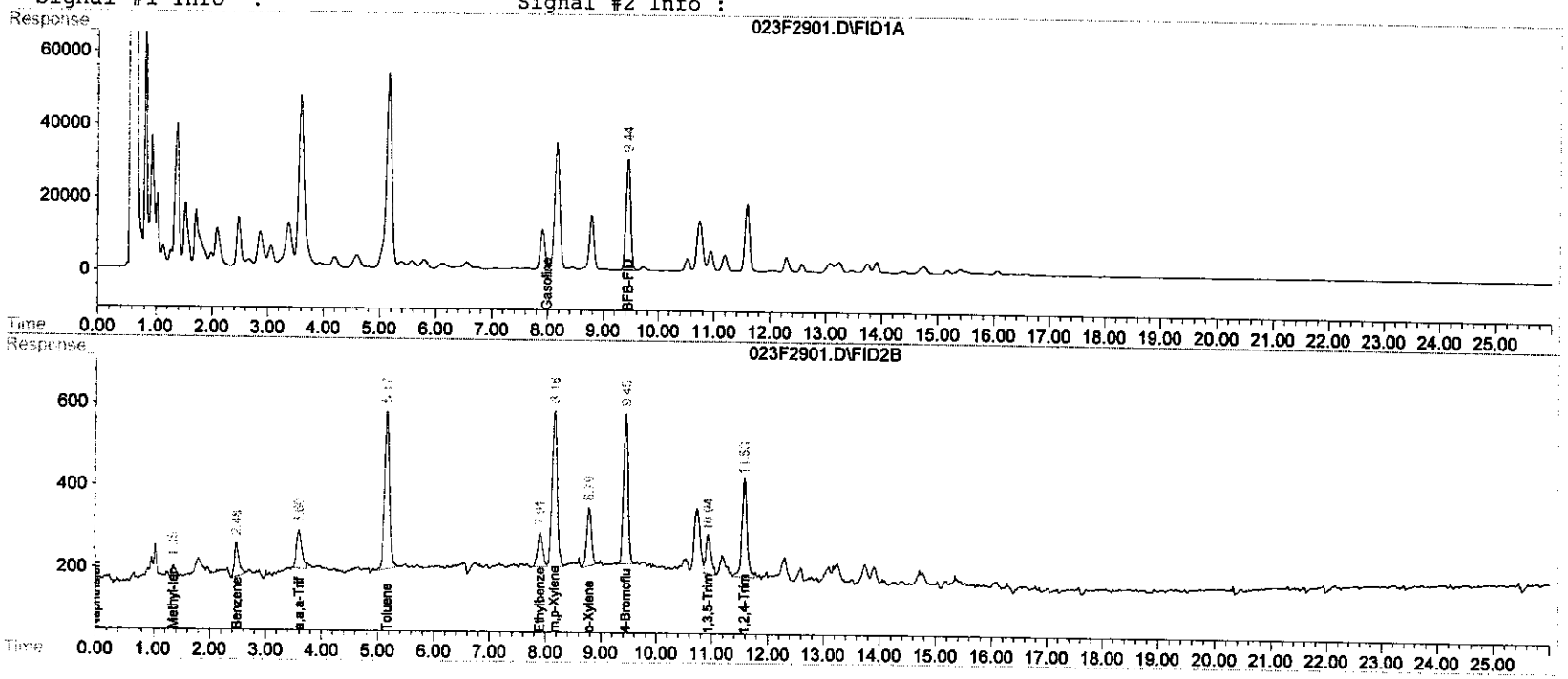
Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	6192	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1716354	109.916 ug/L
Spiked Amount 100.000		Recovery =	109.92%
1 S 4-Bromofluorobenzene	9.45	20364	93.848 ug/L
S. ked Amount 100.000		Recovery =	93.85%
Target Compounds			
1) H T M Gasoline	8.00	24808293	907.633 ug/L
5) T Methyl-tert-butyl ether	1.35	965	18.978 ug/L
6) T M Benzene	2.49	4405	19.542 ug/L
7) T M Toluene	5.17	23427	75.612 ug/L
8) T M Ethylbenzene	7.91	5256	15.520 ug/L
9) T M m,p-Xylene	8.17	24707	60.835 ug/L
10) T M o-Xylene	8.79	8283	24.744 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	6122	11.766 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	15483	39.695 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\023F? 1.D\FID1A.CH Vial: 23
Acq On : 21-Jul-2005, 07:50:22 Opera r: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\023F2901.D\FID2B.CH Vial: 23
Acq On : 21-Jul-05, 07:50:22 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:36 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\050720A\024F3001.D\FID1A.CH Vial: 24
Acq On : 21-Jul-2005, 08:23:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\024F3001.D\FID2B.CH Vial: 24
Acq On : 21-Jul-05, 08:23:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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	3.60	5364	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1620666	103.773 ug/L
Spiked Amount 100.000		Recovery =	103.77%
1[illegible] S 4-Bromofluorobenzene	9.45	21186	112.692 ug/L
S[illegible]ed Amount 100.000		Recovery =	112.69%
Target Compounds			
1) H T M Gasoline	8.00	18394246	637.720 ug/L
5) T Methyl-tert-butyl ether	1.35	1865	42.912 ug/L
6) T M Benzene	2.49	11490	55.864 ug/L
7) T M Toluene	5.17	15177	56.286 ug/L
8) T M Ethylbenzene	7.91	14008	52.886 ug/L
9) T M m,p-Xylene	8.17	38182	110.522 ug/L
10) T M o-Xylene	8.79	15339	53.964 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	24408	54.145 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	19704	58.838 ug/L
14) T Naphthalene	16.07	8837	50.664 ug/L

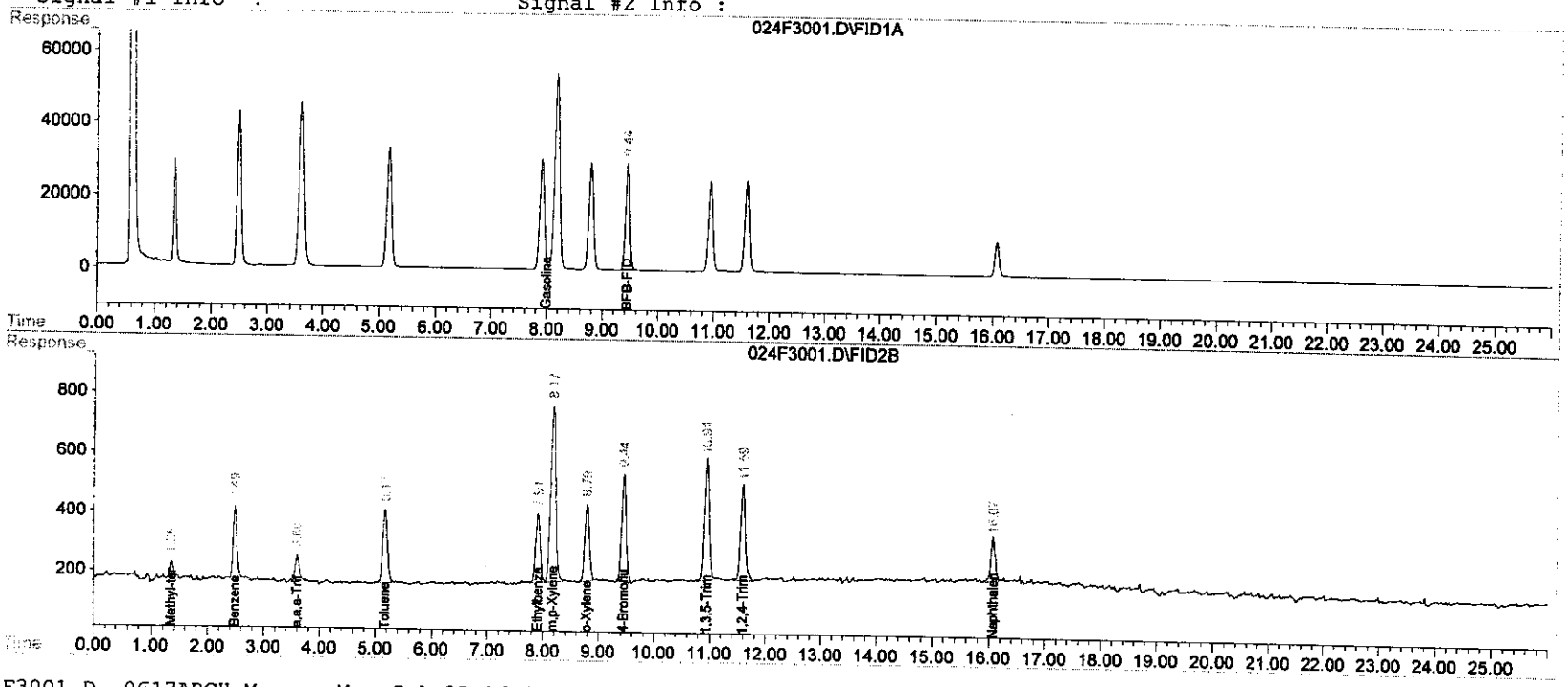
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\024F[illegible]1.D\FID1A.CH Vial: 24
Acq On : 21-Jul-2005, 08:23:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050720A\024F3001.D\FID2B.CH Vial: 24
Acq On : 21-Jul-05, 08:23:02 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 21 14:29 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 :



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July 27, 2005

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Dear Mr. Martinez:

Enclosed are analytical results for samples submitted to Pace Analytical by AGES. The samples were received on July 14, 2005. Please reference Pace project number 05-1679 when inquiring about this report.

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Pace Sample Identification	Client Sample Identification
0507-0669	PD-24-SW-8
0507-0670	PD-24-SW-B
0507-0671	EB
0507-0672	FB
0507-0673	TB

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

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1679
Lab Sample ID: 0507-0669
Client Sample ID: PD-24-SW-8
Sample Matrix: Aqueous

Date Sampled: 07/13/2005
Date Received: 07/14/2005

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	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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.

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Lic. Sandra Y. Laboy Olivieri
Lic.# 4122
QUIMICO LICENCIADO

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1679**
Lab Sample ID: **0507-0670**
Client Sample ID: **PD-24-SW-B**
Sample Matrix: Aqueous

Date Sampled: 07/13/2005
Date Received: 07/14/2005

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	0002050-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002050-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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.

Lic. Sandra Y. Labuy Olivieri
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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1679
Lab Sample ID: 0507-0671
Client Sample ID: EB
Sample Matrix: Aqueous

Date Sampled: 07/13/2005
Date Received: 07/14/2005

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	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002049-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1679
Lab Sample ID: 0507-0672
Client Sample ID: FB
Sample Matrix: Aqueous

Date Sampled: 07/13/2005
Date Received: 07/14/2005

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	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002049-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1679
Lab Sample ID: 0507-0673
Client Sample ID: TB
Sample Matrix: Aqueous

Date Sampled: 07/13/2005
Date Received: 07/14/2005

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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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.

Approved by: _____ Date: 07/28/05

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Lic. Sandra Y. Laboy Olivieri
Lic.# 4122
A 1032837
QUIMICO LICENCIADO

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

907761

Section A Required Client Information:

Company: AGES Inc
Address: PO Box 1054
Rock Island IL 61204-1054
Email To: [illegible]
Phone: [illegible] Fax: [illegible]
Requested Due Date/TAT:

Section B Required Project Information:

Report To: AGES
Copy To:
Purchase Order No.:
Project Name: Coco Main Site #1
Project Number:

Section C Invoice Information:

Attention: AGES
Company Name: AGES
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

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

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER

Section D Required Client Information

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	PD-24-SW-5	WT	G			7/13/05	3:28		4	X			X					X	X	0669
2	PD-24-SW-5						3:30											X	X	0670
3	FB						3:00											X	X	0671
4	FB						3:35											X	X	0672
5	TB						3:40		3				X					X	X	0673
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis: GRO, DRO, BTEX

Pace Project Number: 05 1649

Additional Comments: Pls send GC Chromatograms & GC, Calibration Curves

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible] / AGE	7/14/05	12:40	[illegible]	7/14/05	12:40
	7/14/05	1:02	[illegible]	7/14/05	13:2

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joaquin A. Vargas

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 7/13/05

SEE REVERSE SIDE FOR INSTRUCTIONS

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	N/A	DCM	N/A	N/A	0101001	1	Aqueous	10	07-2005	[illegible]	
2		DCM			0201002	2					
3		ICCCCLU	↓		0301003	3					
4		MB	2049		0401004	4					
5	↓	LCS		↓	0501005	5					
6	0516039	0507-0413		EB	0601006	6					
7	05-16057	-0537		JCCI-MW-1	0701007	7					
		-0538		-A	0801008	8					
		-0539		-2	0901009	9					
10		0540		-3	1001010	10					
11		-0541		-4	1101011	11					
12		-0542		↓ -5	1201012	12					
13	↓	[illegible] -0543		EB	1301013	13					
14	N/A	ICCCCLU	↓	N/A	1401014	14	↓	↓	↓	↓	

Surrogate ID: SCG(-1-011C LCS/MS/MSD Spike ID: SCG(-1-009A ICV/CCV Spike ID: SCG-1-008 DCM ID: lot. 042008

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:

N/A [illegible] 07-21-05 [illegible] 07-21-05

P.O. Box 325, San German, 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	05-1657	0507-0544	2049	FB	1501015	15	Aqueous	10	07-20-05	[illegible]	
2	05-1665	-0591		EB	1601016	16					
3	↓②	-0592		FB	1701017	17					
4	05-1671	-0629		TB	1801018	18					
5		-0630		FB	1901019	19					
6	↓②	-0631		EB	2001020	20			↓②		
7	05-1678	-0666		EB	2101021	21			07-21-05		
8	↓②	-0667		FB	2201022	22					
	05-1679	-0671		EB	2301023	23					
10	↓②	↓② -0672		FB	2401024	24					
11	N/A	1000010		① ~~FB~~ N/A	2501025	25					
12	05-1682	0507-0666		FB	2601026	26					
13	↓②	↓② -0667	↓②		2701027	27					MS
14	N/A	N/B	2050	N/A	2801028	28	↓②	↓②	↓②	↓②	MSD

Surrogate ID: SUGL-1-011C LCS/MS/MSD Spike ID: SUGL-1-007A ICV/CCV Spike ID: SUSU-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: N/A

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

[illegible] 07-21-05 N/A [illegible] 07-21-05 ② [illegible] 07-21-05

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P.O. Box 325, San German, 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	N/A	LCS	3050	N/A	3901029	29	Aqueous	1.0	07-21-05	[illegible]	
2	05-1645	0507-0583		PQ-3-SW-1	3001030	30					
3		-0584		-4- -2	3101031	31					
4		-0585		-A	3201032	32					
5		-0586		-5- -3	3301033	33					
6		-0587		-6- -4	3401034	34					
7	↓	↓-0588		↓-7- ↓-5	3501035	35					
8	N/A	1000CCU		N/A	3601036	36					
	05-1645	0507-0589		PQ-8-SW-4	3701037	37					
10	↓	-0590		PW-6-SW-7	3801038	38					
11	05-1679	-0669		PQ-24-SW-8	3901039	39					
12	↓	-0670		↓ -B	4001040	40					
13	05-1703	-0747		SLFT-HW-6	4101041	41					
14	↓	↓-0748	↓	↓ -B	4201042	42	↓	↓	↓	↓	

Surrogate ID: SCC-1-016 LCS/MS/MSD Spike ID: SCC-1-007A ICV/CCV Spike ID: SSU-4028 DCM ID: Lot. 040008

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

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

N/A [illegible] 07-21-05

① [illegible] 07-21-05

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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-1702	CSCL-0749	3050	JLEI-MW-7	4301043	43	Aqueous	1.0	07-21-15	[illegible]	
2		-0750		8	4401044	44					
3		-0751		9	4501045	45					
4	✓	✓ -0752		✓ 10	4601046	46					
5	N/A	1000-CCC		N/A	4701047	47					
6	CS-1702	CSCL-0753		JLEI-MW11	4801048	48					
7		-0754		✓ 12	4901049	49					
8		-0755		EB	5001050	50					
9	✓	-0756		FB	5101051	51					
10	CS-1679	-1CLAC		PD-24-SLO-B	5201052	52					MS
11	✓	✓ 0670	✓	✓	5301053	53	✓	✓			MSD
12	N/A	MB	2046	N/A	5401054	54	Soil	1			
13	✓	LCS		✓	5501055	55					
14	CS-1671	CSCL-0632	✓	OR-C1	5601056	56	✓	✓	✓	✓	

Surrogate ID: SCCX-1-011C LCS/MS/MSD Spike ID: SCCX-1-007A ICV/CCV Spike ID: SLSO-1-027 DCM ID: Lot. 042008

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:

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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~~ CR-C2	5701001	57	Soil	2x	07-21-05	[illegible]	
2		1000 CCV		N/A	5801002	58		1			
3		0507-0634		CR-C3	5901003	59					
4		-0635		CR-C4	6001004	60					
5		-0636		CR-C5	6101005	61					
6		-0637		CR-C6	6201006	62					
7		-0632		CR-C1	6301007	63					MS
	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	0507-0643		PD-31-SW-9	6701011	67					
12		1000 CCV		N/A	6801012	68					
13		0507-0644		PD-31-SW-C	6901013	69					
14	②	② -0645	②	② -30 ② -10	7001014	70	②	②	②	②	

Surrogate ID: SUGC-1-C11C LCS/MS/MSD Spike ID: SUGC-1-C07A ICV/CCV Spike ID: SCSD-1-028 DCM ID: Lot. 042002

Surrogate ID: N/A LCS/MS/MSD Spike ID: N/A ICV/CCV Spike ID: N/A DCM ID: Lot. X21822

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

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

Book # 3

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	2046	07/18/05	K.H	9.99g	10mL	1	
2	N/A	LCS				10.00g			
3	05-1671	0507-0632				10.03g			
4		-0633				10.03g			
5		-0634				10.00g			
6		-0635				9.98g			
7		-0636				10.00g			
8		-0637				10.03g			
9		-0638				10.02g			MS
10	↓	↓ -0639	↓			10.00g	↓	↓	MSD
11	N/A	MB	2049			30mL	3	10	
12	↓	LCS							
13	05-1639	0507-0413							
14	05-1657	-0537							
15		-0538							
16		-0539							
17		-0540							
18		-0541							
19		-0542							
20		-0543							
21	↓	-0544							
22	05-1665	-0591							
24	↓	-0592							
25	05-1671	↓ -0639	↓	↓	↓	↓	↓	↓	

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM) Mfg: Fisher Lot: 042008 Exp. Date: 01-05-10
Sodium Sulfate: Mfg: Fisher Lot: 080624 Exp. Date: 06-10
Surrogate ID: SUGC-1-0116 LCS/MS/MSD ID: SUGC-1-0074

Spike witness: JC

VERIFIED AND APPROVED BY: J Caldwell DATE: 7/18/05

(1) KH 07-18-05 N/A KH 07-18-05

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

Book # 3

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	05-1671	0507-0630	2049	07-18-05	K.H.	30 mL	3	10	
2	↓①	-0631	↓	↓	↓	↓	↓	↓	
3	05-1679	-0671							
4	↓①	-0672							
5	05-1678	-0666							
6	↓①	-0667							
7	~~05-1679~~	~~-0669~~							
8		~~-0670~~							
9	05-1678	~~HB0467~~							
10	↓①	①↓ -0667	↓①						SEE 07-18
11	N/A	MB	2050						MS
12	↓①	LCS							MSD
13	05-1702	0507-0747							
14		-0748							
15		-0749							
16		-0750							
17		-0751							
18		-0752							
19		-0753							
20		-0754							
21		-0755							
22	↓①	-0756							
24	05-1665	-0583							
25	↓①	①↓ 0584	↓①	↓①	↓①	↓①	↓①	↓①	

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042008 Exp. Date: 01-10
Sodium Sulfate: Mfg: Fisher Lot: 050634 Exp. Date: 01-10
Surrogate ID: SUGC-1-011C LCS/MS/MSD ID: SUGC-1-007A

Spike Witness: JC

VERIFIED AND APPROVED BY: S Cadwell

DATE: 7/18/05

①↓ 07-18-05 N/A ↓ 07-18-05

Book # 3

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	05-1665	0907-0585	2050	07-18-05	K.U.	30 mL	3	10	
2		-0586							
3		-0587							
4		-0588							
5		-0589							
6		-0590							
7	05-1679	~~-0591~~							
8		~~-0592~~							
9		-0670							
10		-0671							
11		-0690							MS MSD
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
24									
25									

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042008 Exp. Date: 01-10
Sodium Sulfate: Mfg: Fisher Lot: 050024 Exp. Date: 06-10
Surrogate ID: SOGC-1-011C LCS/MS/MSD ID: SOGC-1-007A

Spike witness: JC

VERIFIED AND APPROVED BY: J. Caldwell

DATE: 7/18/05

07-18-05 07-18-05 07-18-05

Data File Name **0501005.D**
Date Acquired **20 Jul 2005 17:12**
Method File **DROFID3.M**
Sample Name **lcs 2049**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	26.38	25	106	80-144	Pass
Diesel Range Organics	1015.62	1000	102	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

N -Spiked Sample: 2201022.D

	Spike Sample	Spike Duplicate Sample
File ID :	2601026.D	2701027.D
Sample :	0507-0667 ms	0507-0667 msd
Acq Time:	21 Jul 2005 2:14	21 Jul 2005 2:39

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel Range Organic	1.2	1000	1076	1054	107	105	2	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 10:52:32 2005 MSAD1

Data File Name **2901029.D**
Date Acquired **21 Jul 2005 3:31**
Method File **DROFID3.M**
Sample Name **lcs 2050**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	27.97	25	112	80-144	Pass
Diesel Range Organics	1062.23	1000	106	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: 4001040.D

	Spike Sample	Spike Duplicate Sample
File ID :	5201052.D	5301053.D
Sample :	0507-0670 ms	0507-0670 msd
Acq Time:	21 Jul 2005 13:22	21 Jul 2005 13:48

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	1024	1051	102	105	3	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 10:54:56 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0301003.D Vial: 3
Acq On : 20 Jul 2005 16:21 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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

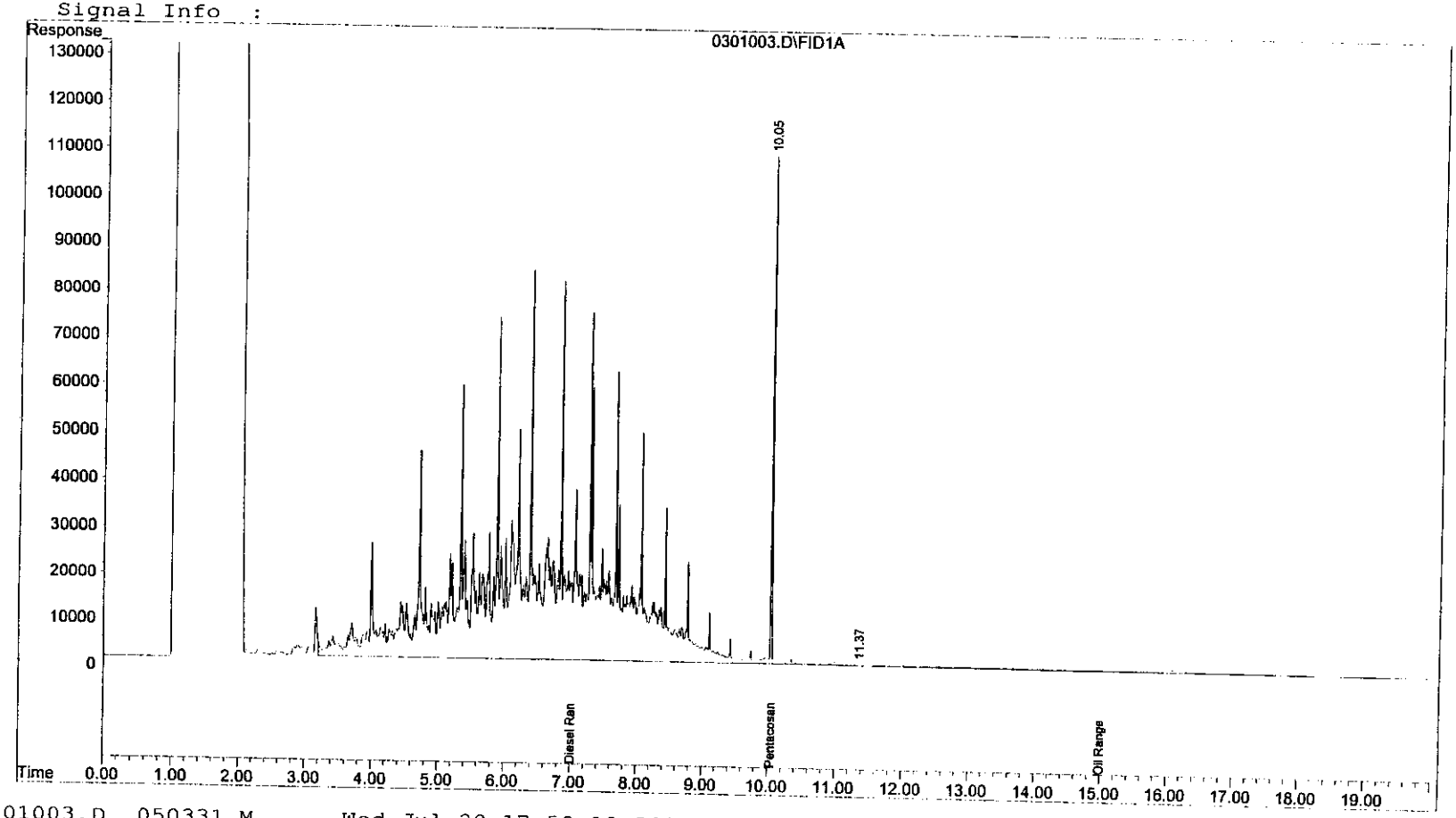
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1167265	29.228 mg/L 117%
Spiked Amount 25.000 Range 80 - 144		Recovery = 116.91%	
Target Compounds			
2) H M Diesel Range Organics	7.00	42981670	1054.561 mg/L 105%
3) H Oil Range Organics	15.00	307305	7.540 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0301003.D Vial: 3
Acq On : 20 Jul 2005 16:21 Operator: KMI
Sam : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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\0401004.D Vial: 4
Acq On : 20 Jul 2005 16:47 Operator: KMI
Sample : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 19105 Quant Results File: 050331.RES

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

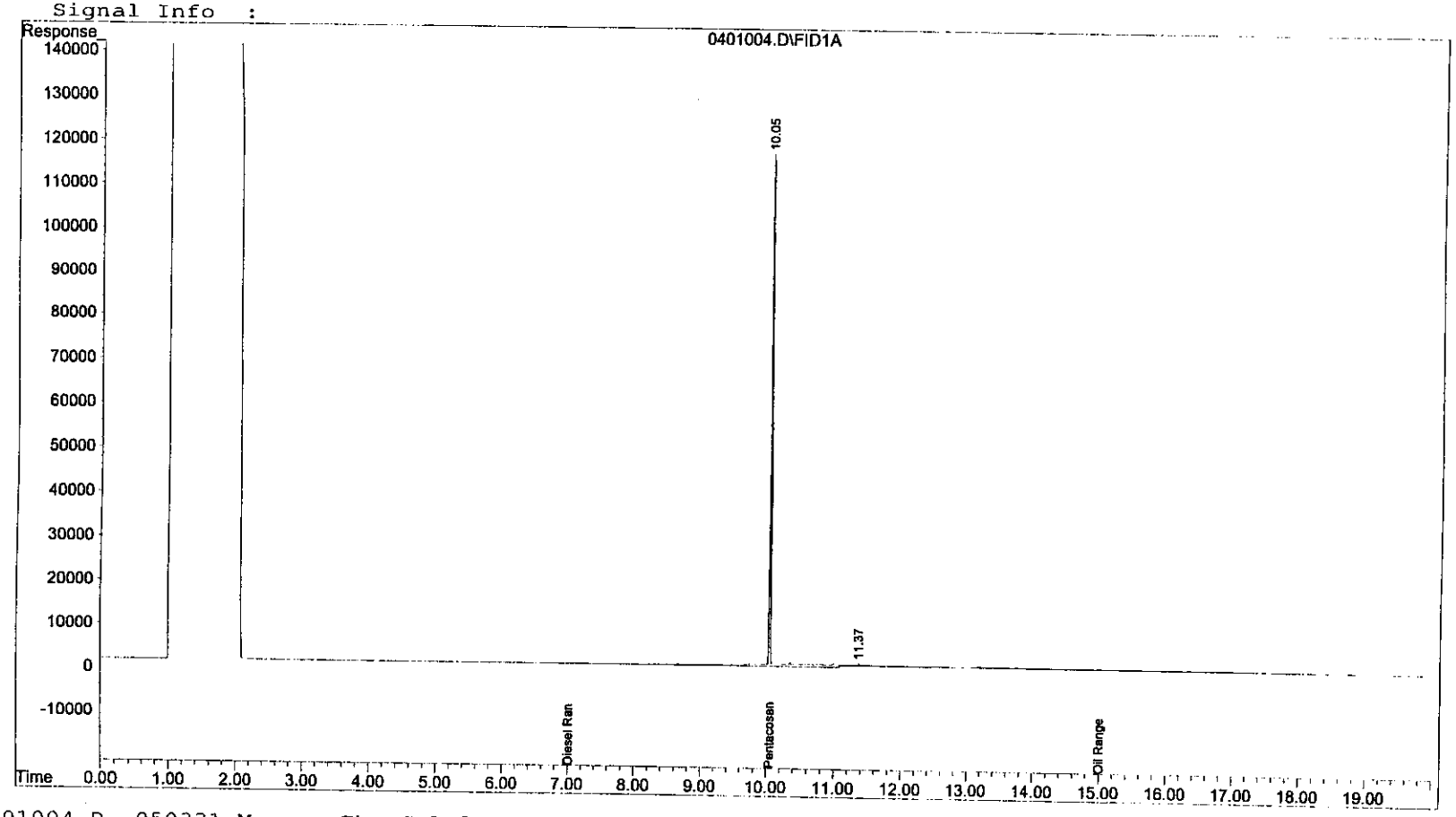
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1190250	29.803 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.21% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	103705	2.544 mg/L
3) H Oil Range Organics	15.00	158636	3.892 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0401004.D Vial: 4
Acq : 20 Jul 2005 16:47 Operator: KMI
Sample : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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

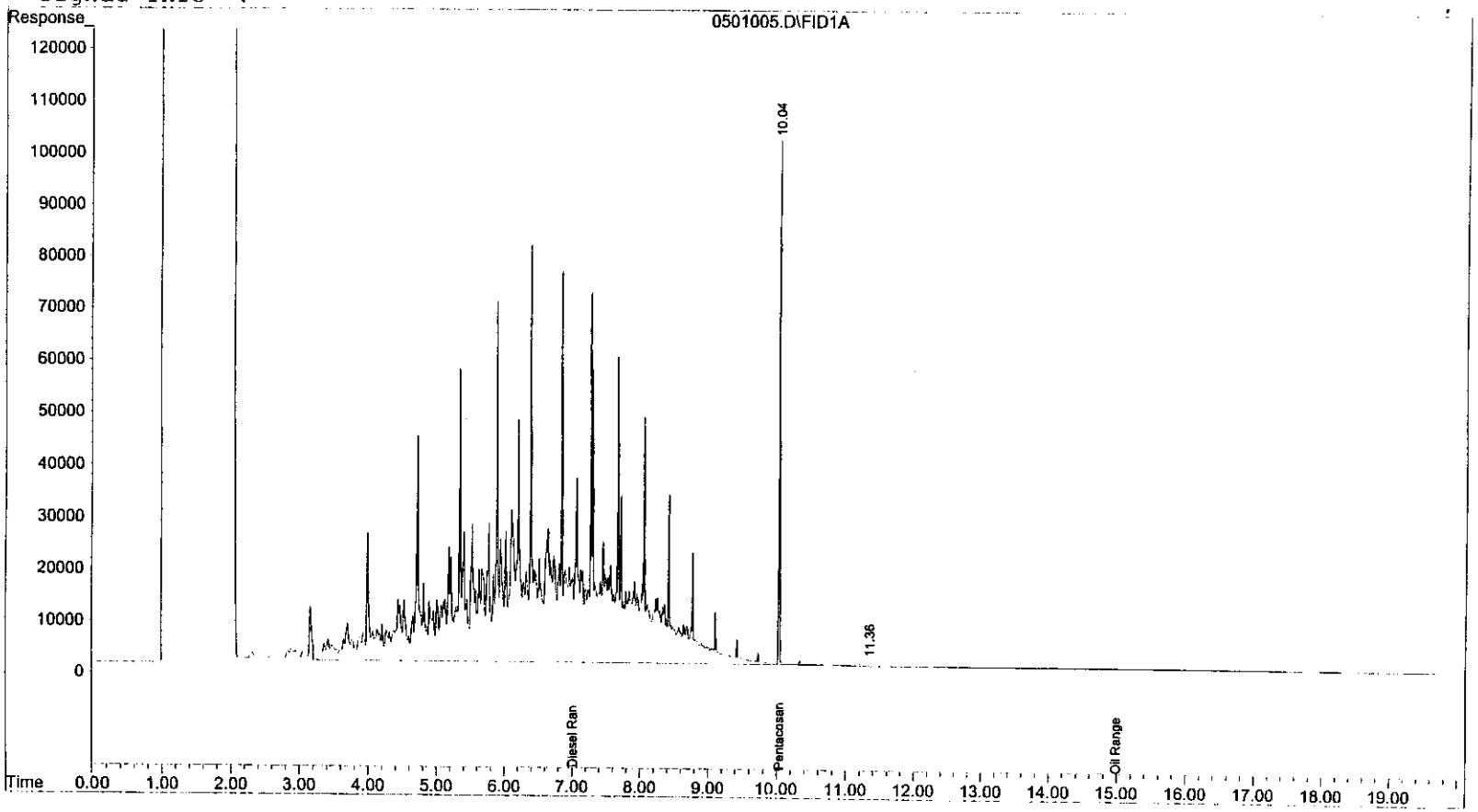
Volume Inj. :
Signal Phase :
Signal Info :



Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0501005.D Vial: 5
Acq : 20 Jul 2005 17:12 Operator: KMI
Sample : lcs 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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\1401014.D Vial: 14
Acq On : 20 Jul 2005 21:05 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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 :

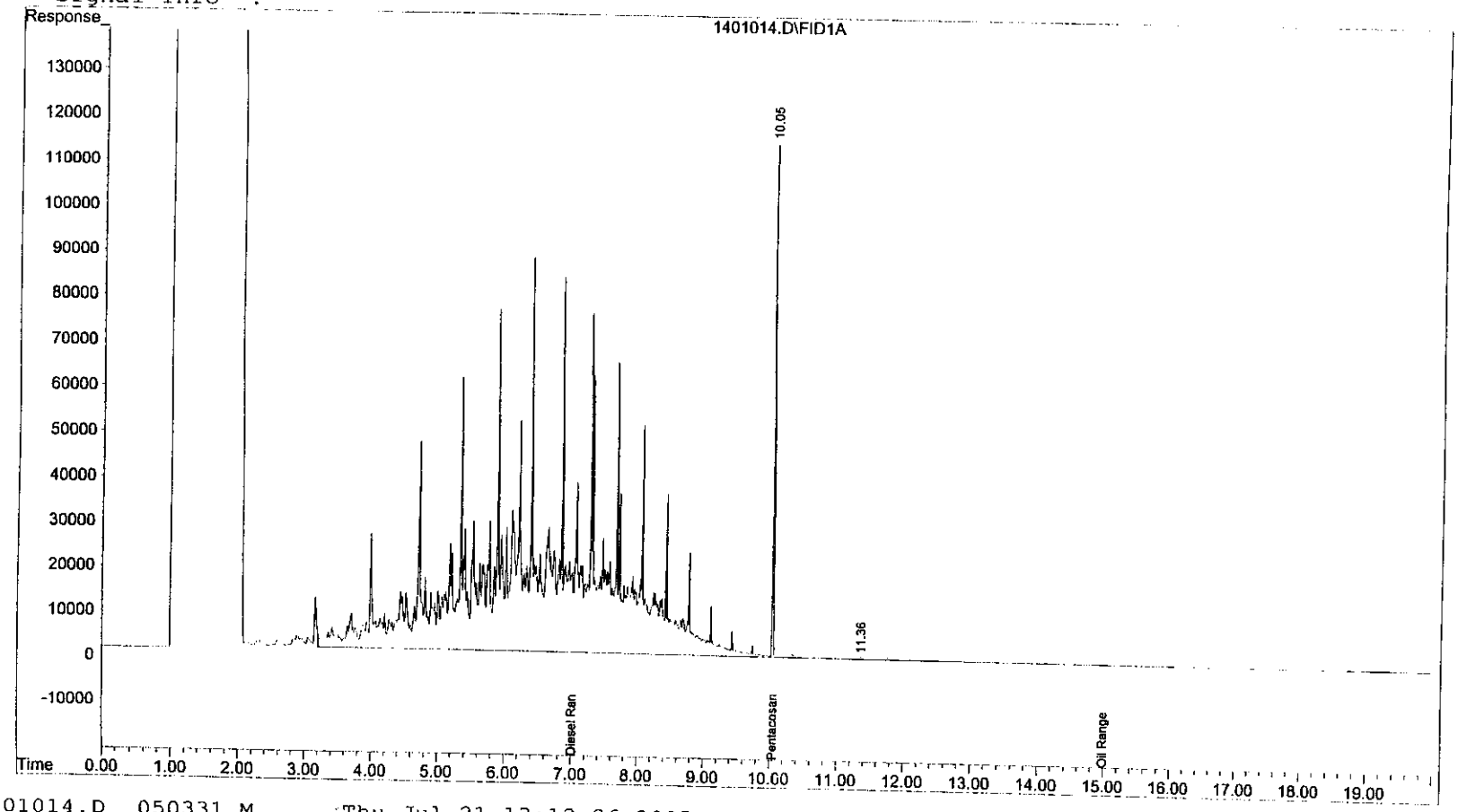
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1181784	29.591 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	118.36% 118%
Target Compounds			
2) H M Diesel Range Organics	7.00	45466656	1115.530 mg/L 112%
3) H Oil Range Organics	15.00	40350	0.990 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\1401014.D Vial: 14
Acq : 20 Jul 2005 21:05 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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\2201022.D Vial: 22
Acq On : 21 Jul 2005 00:31 Operator: KMI
Sample : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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	1158074	28.998 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.99% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	48695	1.195 mg/L
3) H Oil Range Organics	15.00	34775	0.853 mg/L

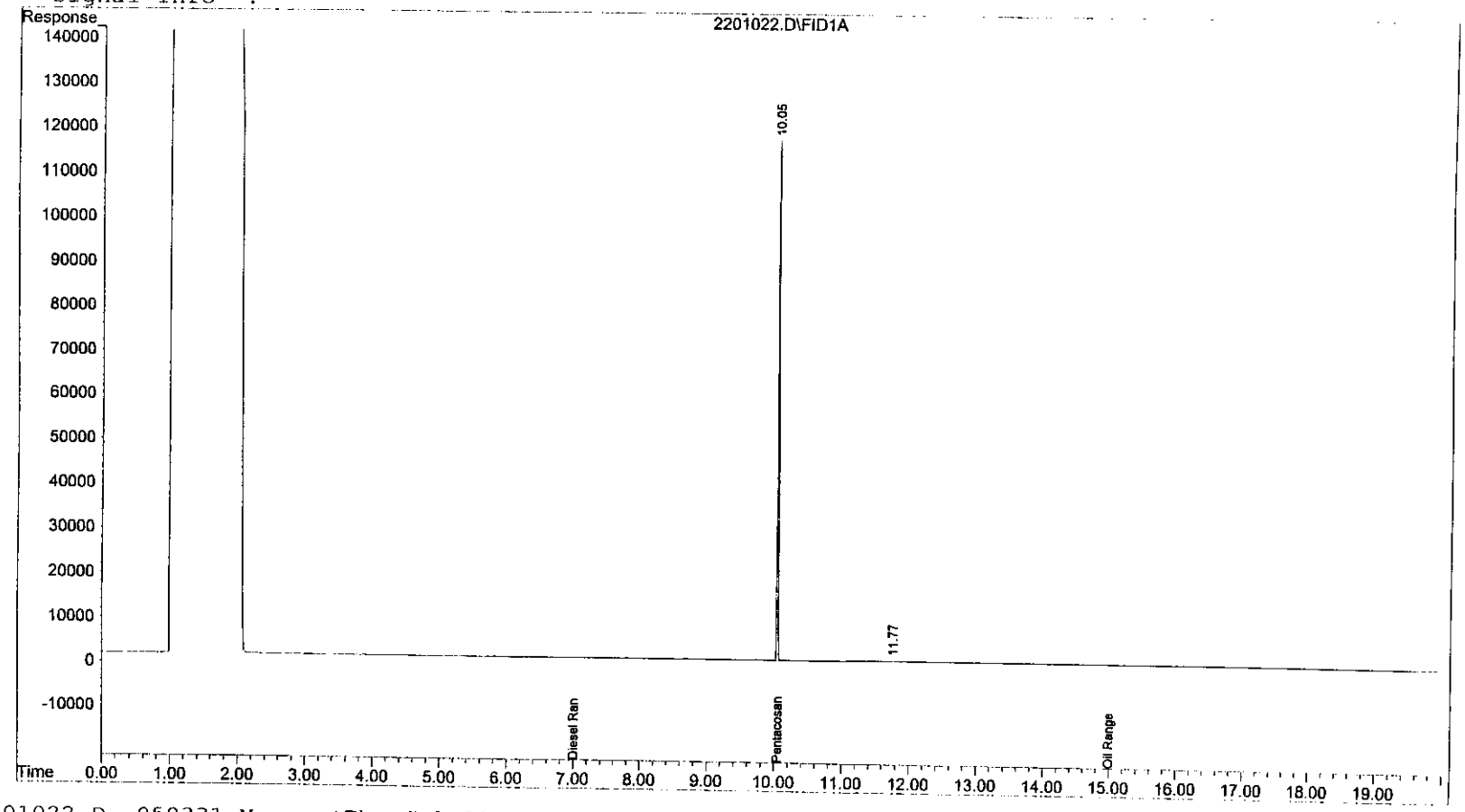
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2201022.D Vial: 22
Acq : 21 Jul 2005 00:31 Operator: KMI
Sample : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2301023.D Vial: 23
Acq On : 21 Jul 2005 00:57 Operator: KMI
Sample : 0507-0671 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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 :

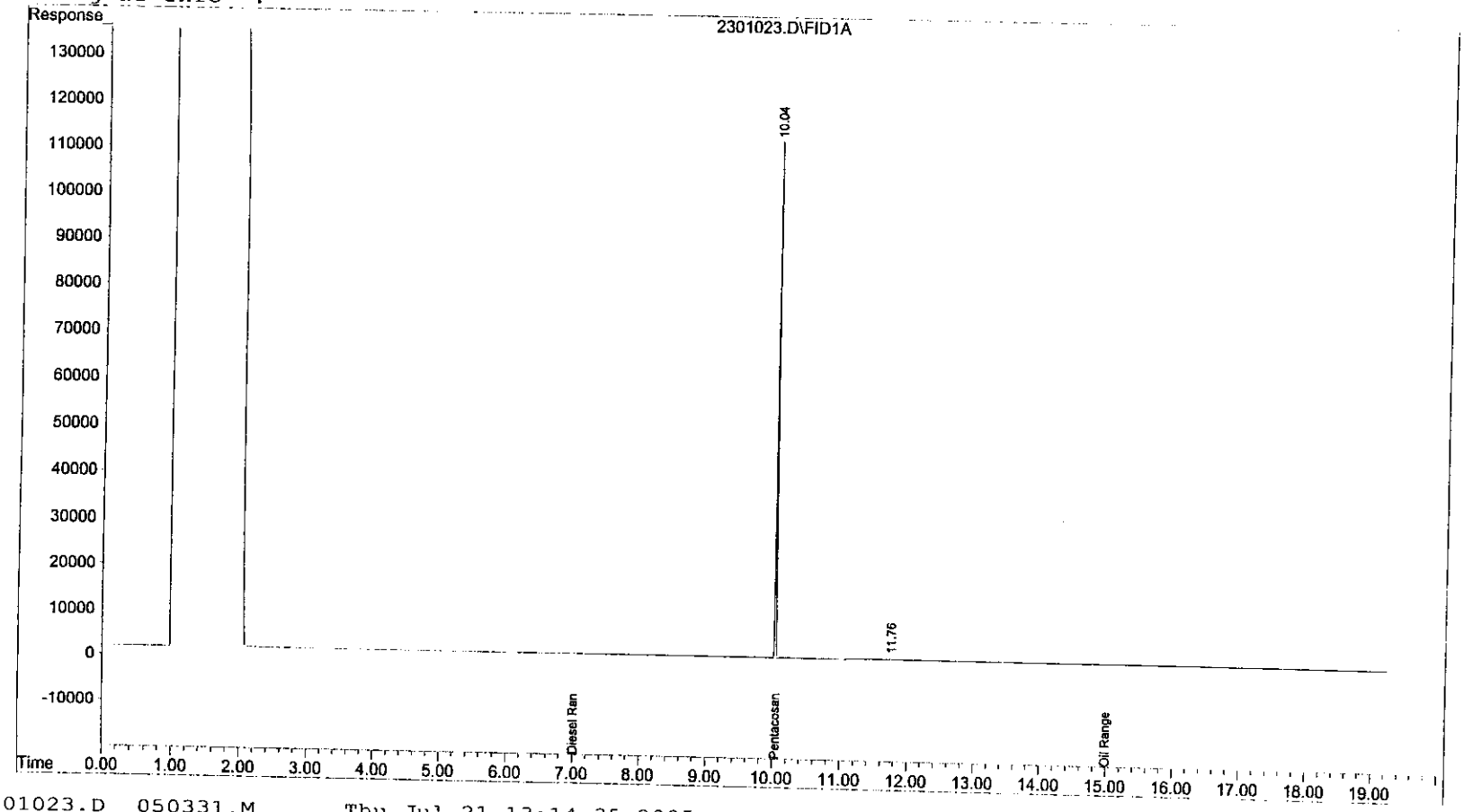
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1146245	28.701 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	114.80% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	47473	1.165 mg/L
3) H Oil Range Organics	15.00	37412	0.918 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2301023.D Vial: 23
Acq : 21 Jul 2005 00:57 Operator: KMI
Samp : 0507-0671 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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 :



2301023.D 050331.M Thu Jul 21 13:14:35 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2401024.D Vial: 24
Acq On : 21 Jul 2005 1:22 Operator: KMI
Sample : 0507-0672 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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 :

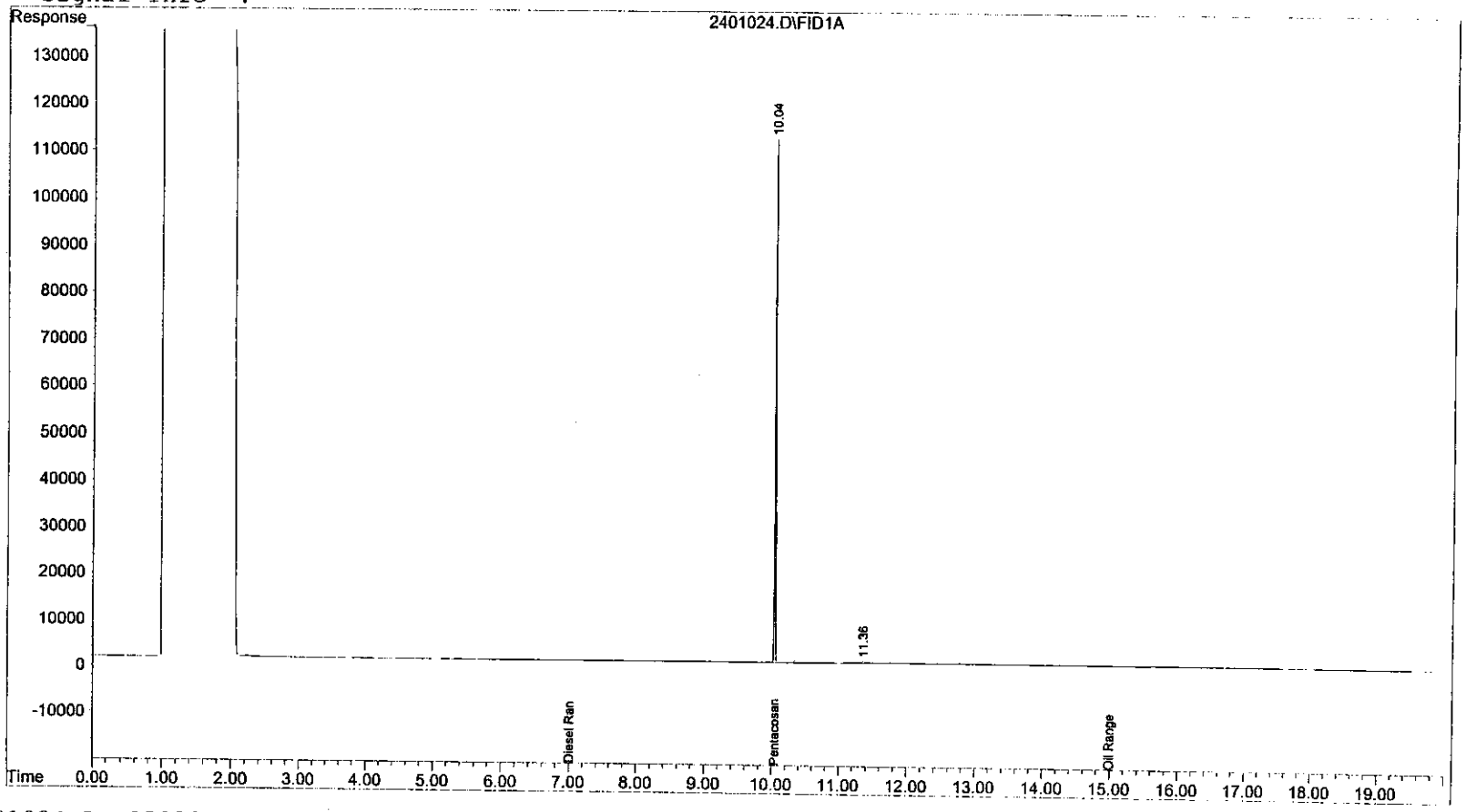
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1145863	28.692 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	114.77% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	38392	0.942 mg/L
3) H Oil Range Organics	15.00	27162	0.666 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2401024.D Vial: 24
Acq : 21 Jul 2005 1:22 Operator: KMI
Sampl : 0507-0672 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2501025.D Vial: 25
Acq On : 21 Jul 2005 1:48 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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 :

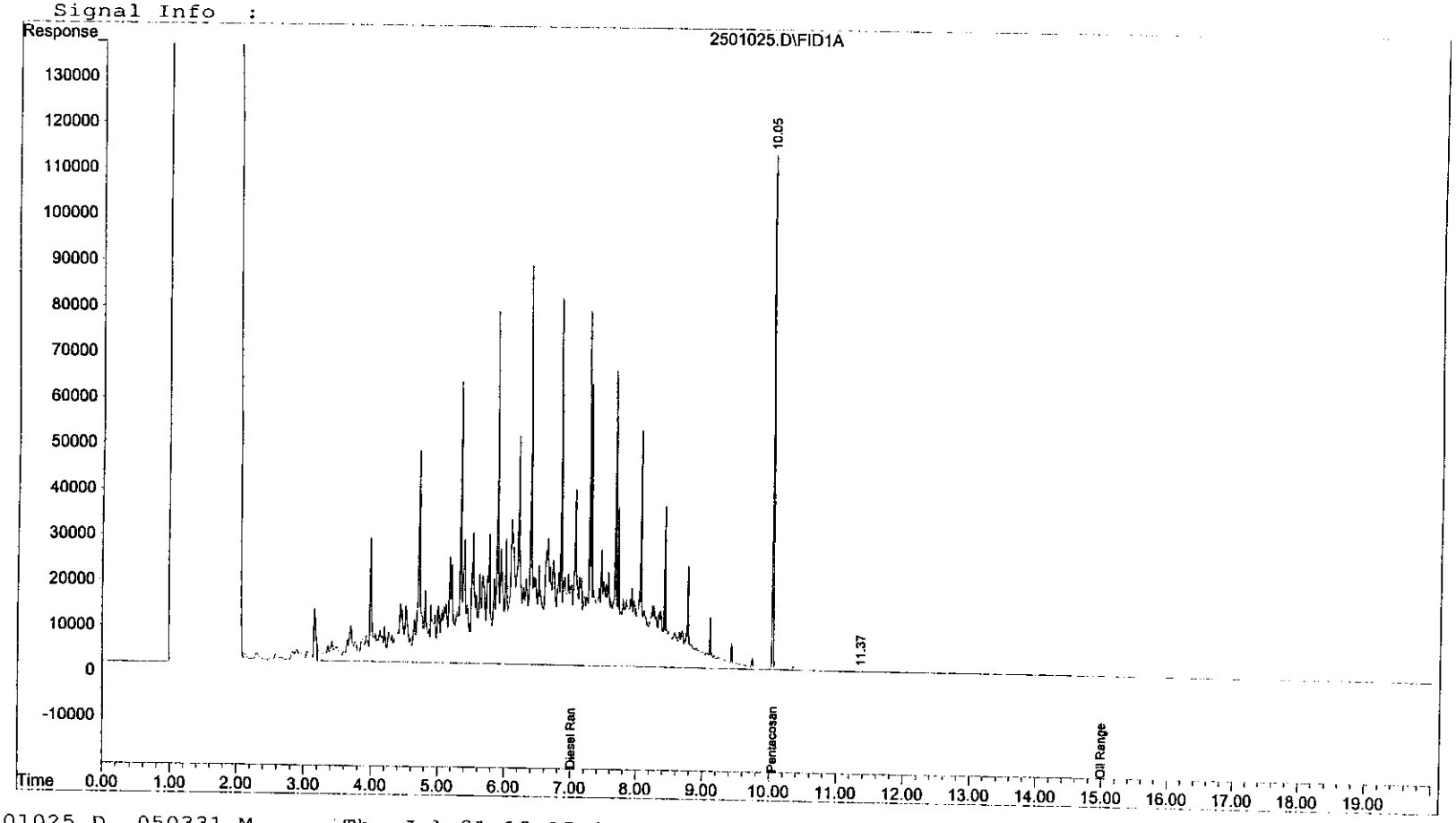
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1173333	29.380 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	117.52% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	45374083	1113.259 mg/L 111%
3) H Oil Range Organics	15.00	28967	0.711 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
2501025.D 050331.M Thu Jul 21 13:15:00 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2501025.D Vial: 25
Acq : 21 Jul 2005 1:48 Operator: KMI
Sampl : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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 :



2501025.D 050331.M Thu Jul 21 13:15:01 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2601026.D Vial: 26
Acq On : 21 Jul 2005 2:14 Operator: KMI
Sample : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

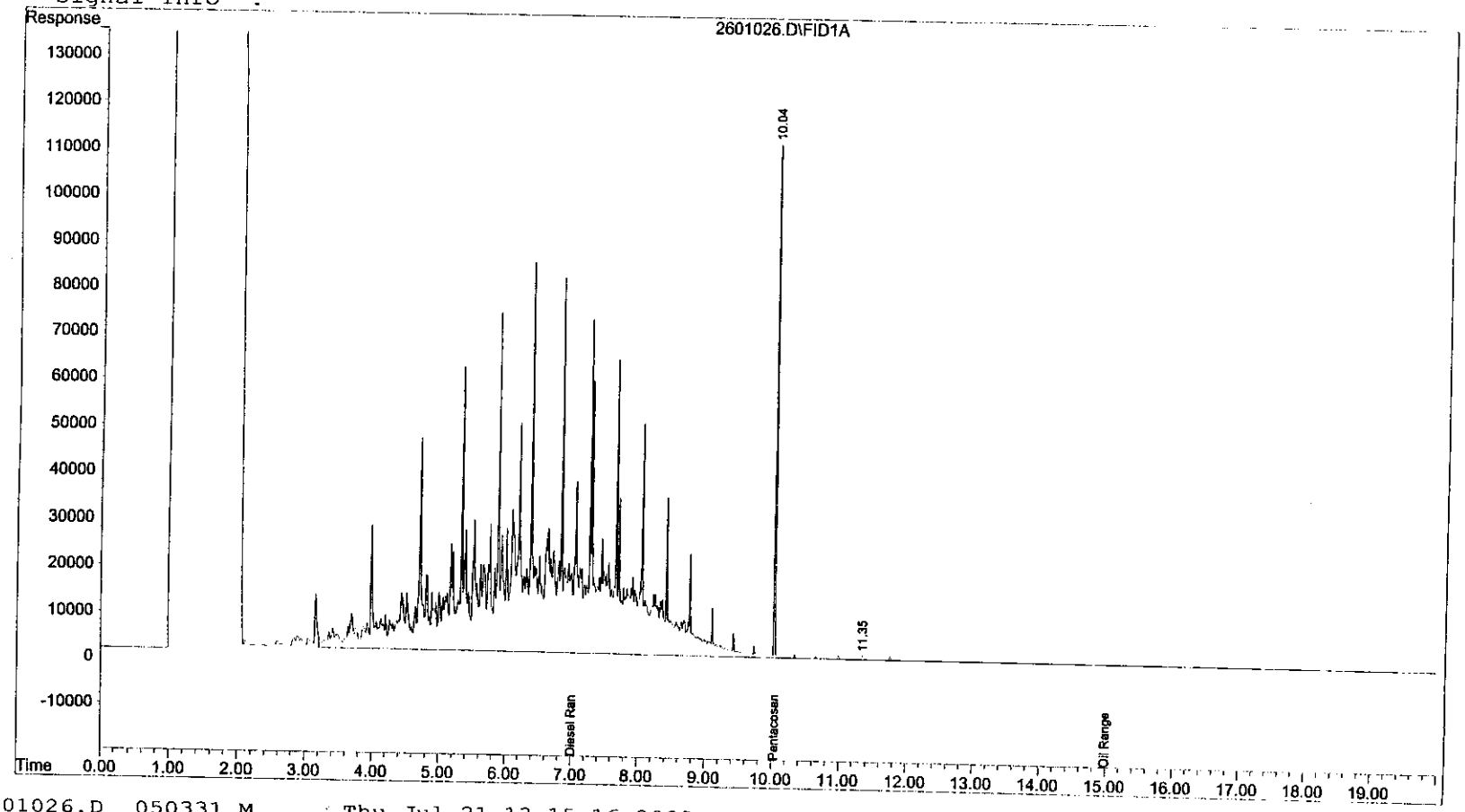
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1156475	28.958 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.83% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	43839478	1075.607 mg/L 109%
3) H Oil Range Organics	15.00	70320	1.725 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2601026.D Vial: 26
Acq : 21 Jul 2005 2:14 Operator: KMI
Samp : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2701027.D Vial: 27
Acq On : 21 Jul 2005 2:39 Operator: KMI
Sample : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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 :

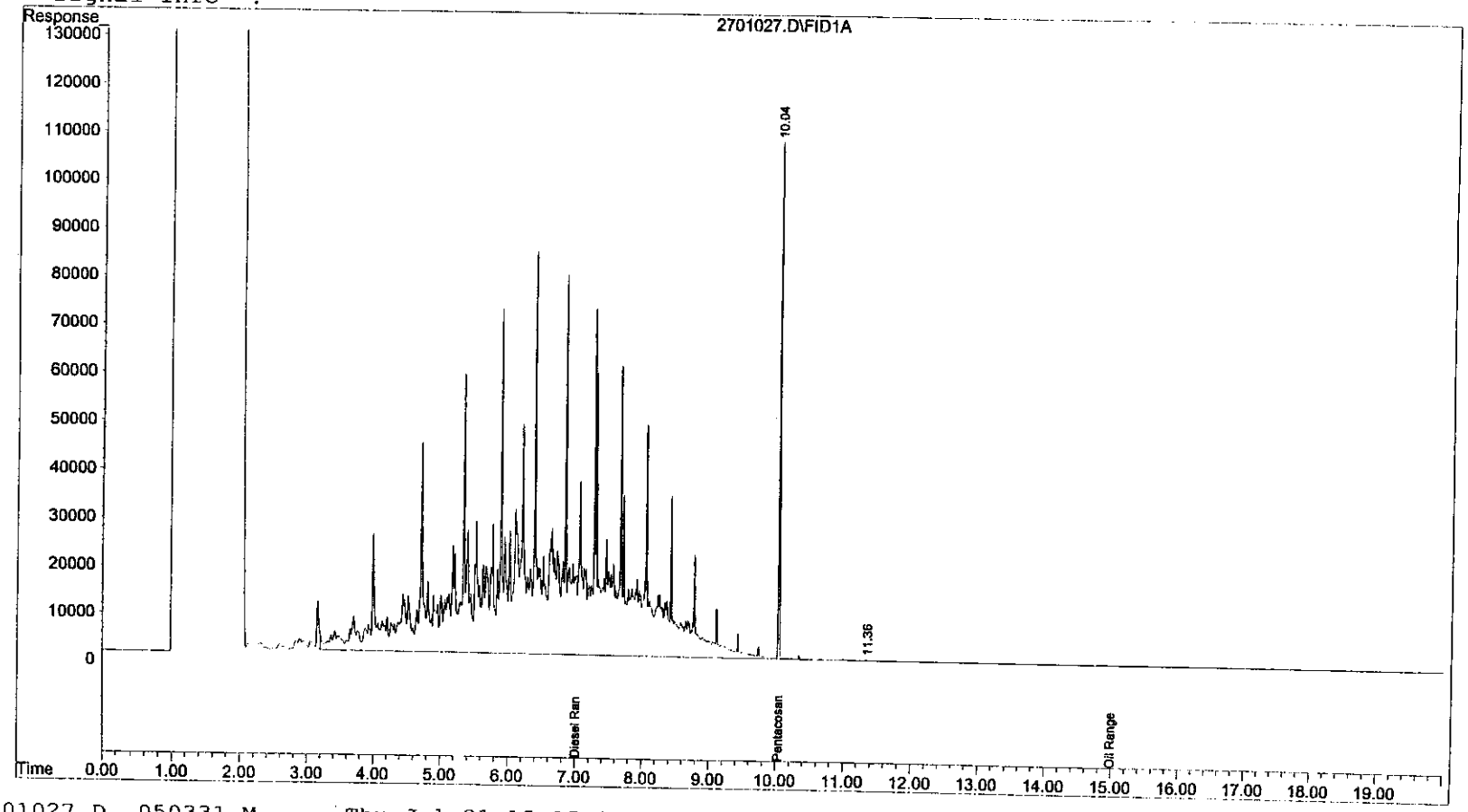
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1144154	28.649 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	114.60% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	42948298	1053.742 mg/L 105%
3) H Oil Range Organics	15.00	25147	0.617 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2701027.D Vial: 27
Acq : 21 Jul 2005 2:39 Operator: KMI
Samp : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2801028.D Vial: 28
Acq On : 21 Jul 2005 3:05 Operator: KMI
Sample : mb 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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 :

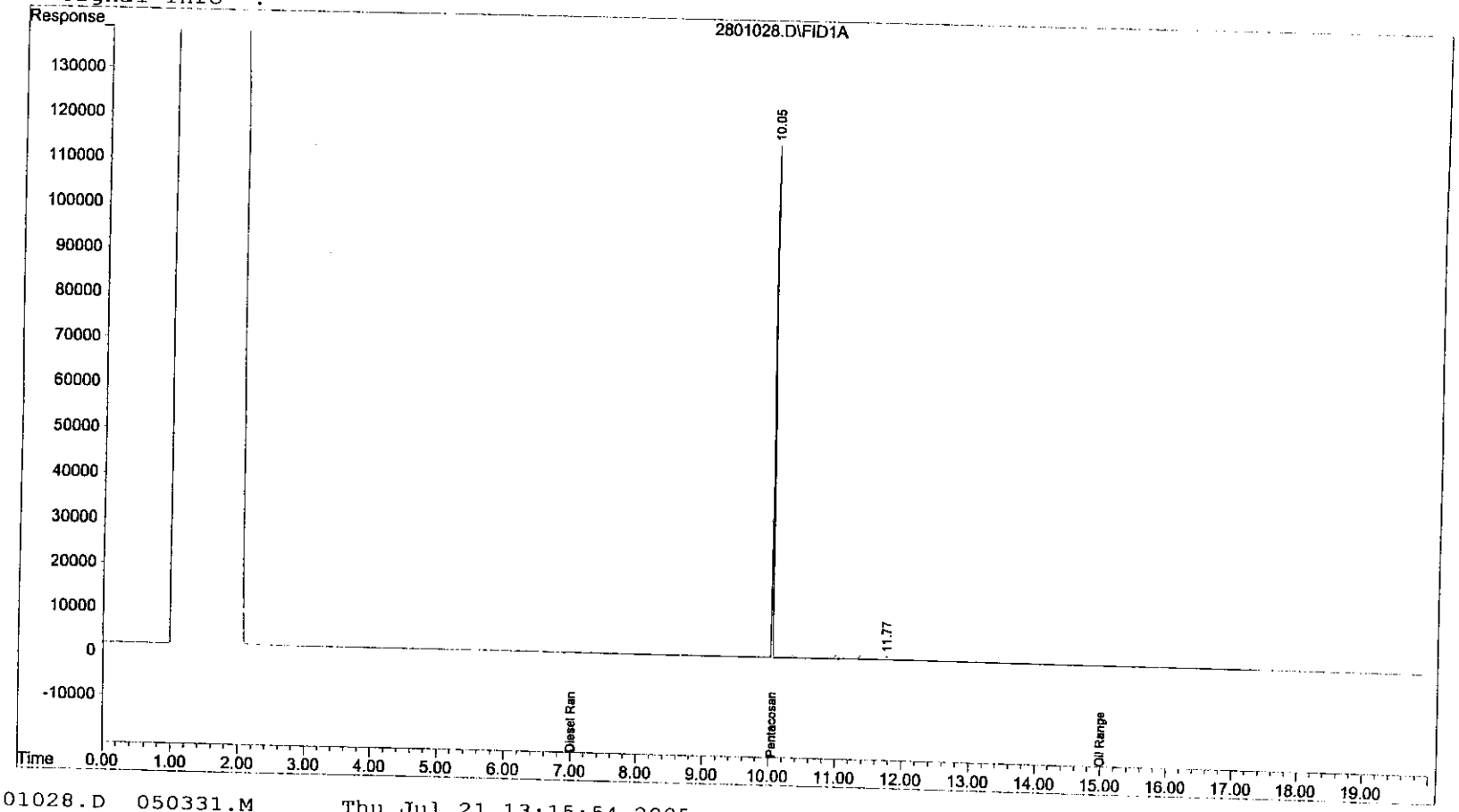
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1192974	29.872 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.49% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	63295	1.553 mg/L
3) H Oil Range Organics	15.00	52956	1.299 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2801028.D Vial: 28
Acq : 21 Jul 2005 3:05 Operator: KMI
Samp : mb 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2901029.D Vial: 29
Acq On : 21 Jul 2005 3:31 Operator: KMI
Sample : lcs 2050 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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	1116878	27.966 mg/L 112%
Spiked Amount 25.000 Range 80 - 144		Recovery =	111.86%
Target Compounds			
2) H M Diesel Range Organics	7.00	43294083	1062.226 mg/L 106%
3) H Oil Range Organics	15.00	16779	0.412 mg/L

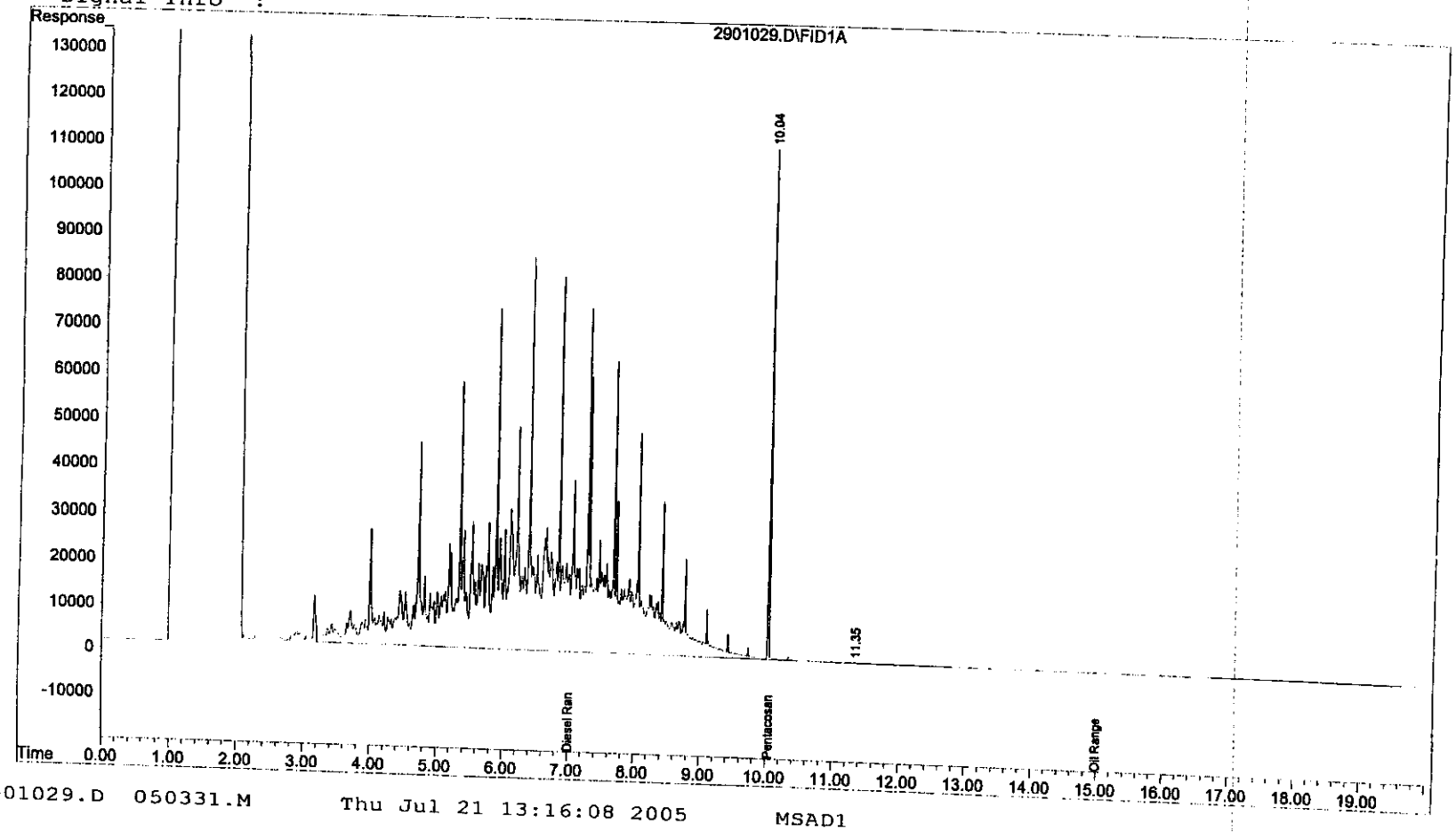
(f)=RT Delta > 1/2 Window (m)=manual int.

Acq On : 21 Jul 2005 3:31
Sample : lcs 2050
Misc : Aqueous
IntFile : EVENTS.E
Quant Time: Jul 21 14:16 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 :



2901029.D 050331.M Thu Jul 21 13:16:08 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3601036.D Vial: 36
Acq On : 21 Jul 2005 6:30 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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 :

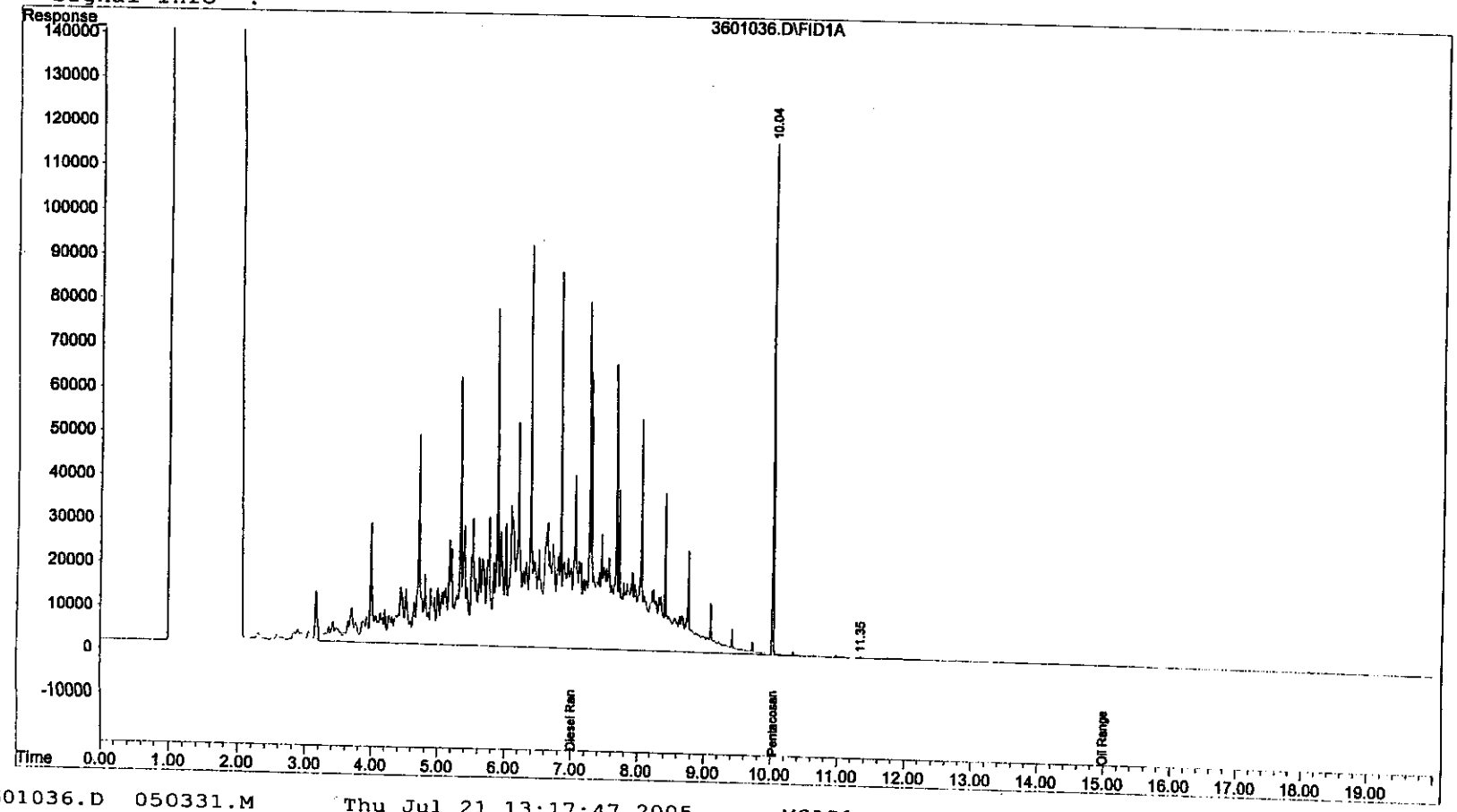
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1197961	29.996 mg/L
piked Amount 25.000 Range 80 - 144		Recovery =	119.98% 120%
Target Compounds			
2) H M Diesel Range Organics	7.00	46282939	1135.558 mg/L 114%
3) H Oil Range Organics	15.00	31663	0.777 mg/L

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

Acq On : 21 Jul 2005 6:30
Sample : 1000 ccv
Misc :
IntFile : EVENTS.E
Operator: KMI
Inst : FID3
Multiplr: 1.00
Quant Time: Jul 21 14:17 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 :



3601036.D 050331.M Thu Jul 21 13:17:47 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3901039.D Vial: 39
Acq On : 21 Jul 2005 7:47 Operator: KMI
Sample : 0507-0669 Inst : FID3
Misc : PD-24-SW-8 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation In
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	1260664	31.566 mg/L
piked Amount 25.000 Range 80 - 144		Recovery =	126.26% 126%
Target Compounds			
2) H M Diesel Range Organics	7.00	56342	1.382 mg/L
3) H Oil Range Organics	15.00	35828	0.879 mg/L

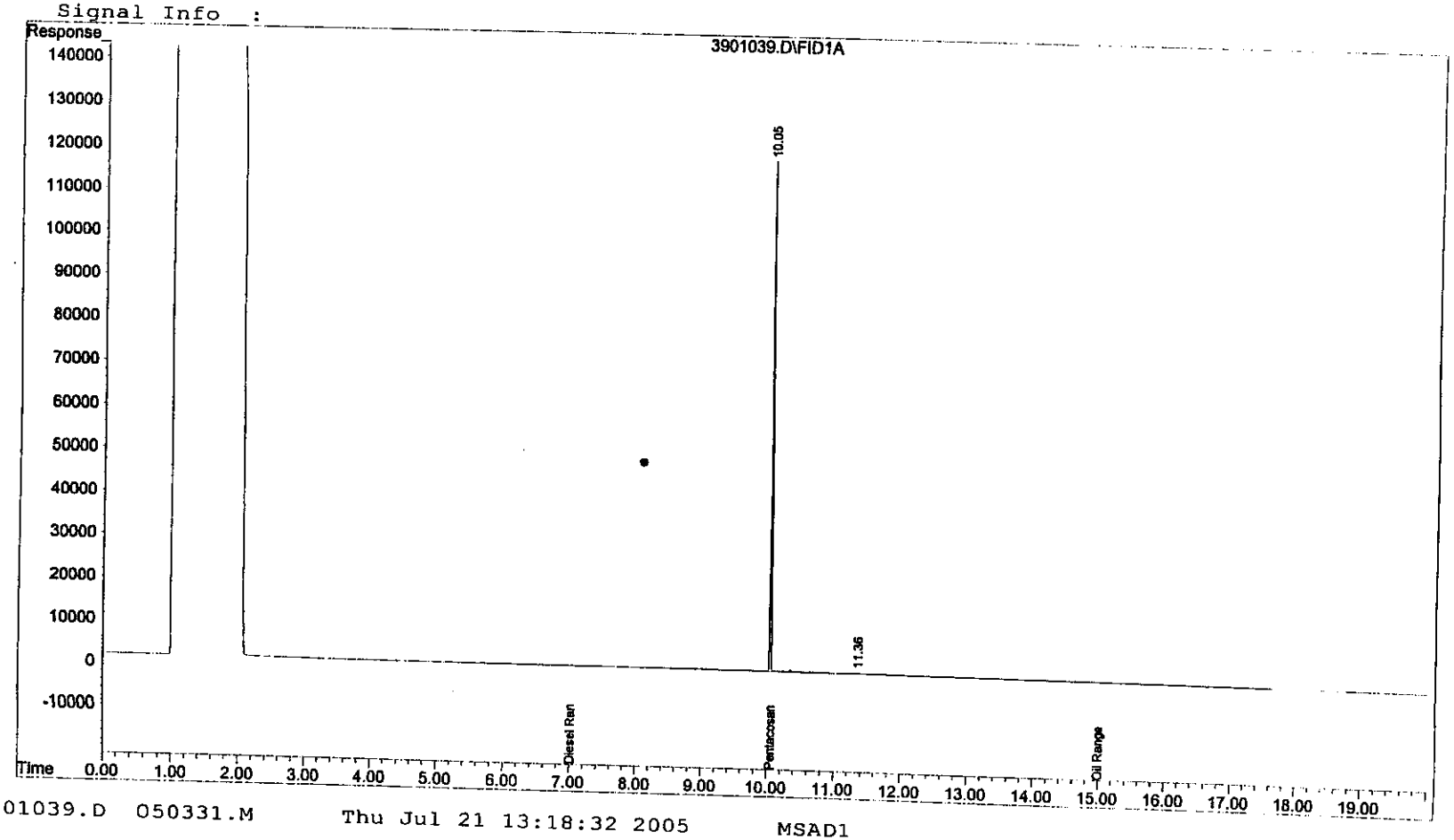
)=RT Delta > 1/2 Window (m)=manual int.

Acq On : 21 Jul 2005 7:47
Sampl : 0507-0669
Misc : PD-24-SW-8
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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 :



3901039.D 050331.M Thu Jul 21 13:18:32 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\4001040.D Vial: 40
Acq On : 21 Jul 2005 8:13 Operator: KMI
Sample : 0507-0670 Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 19105 Quant Results File: 050331.RES

Quant Method : O:\ORGANICS\HPCHEM\FID-003\METHODS\050331.M (Chemstation In
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	1252873	31.371 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	125.48% 125%
Target Compounds			
2) H M Diesel Range Organics	7.00	92040	2.258 mg/L
3) H Oil Range Organics	15.00	54272	1.332 mg/L

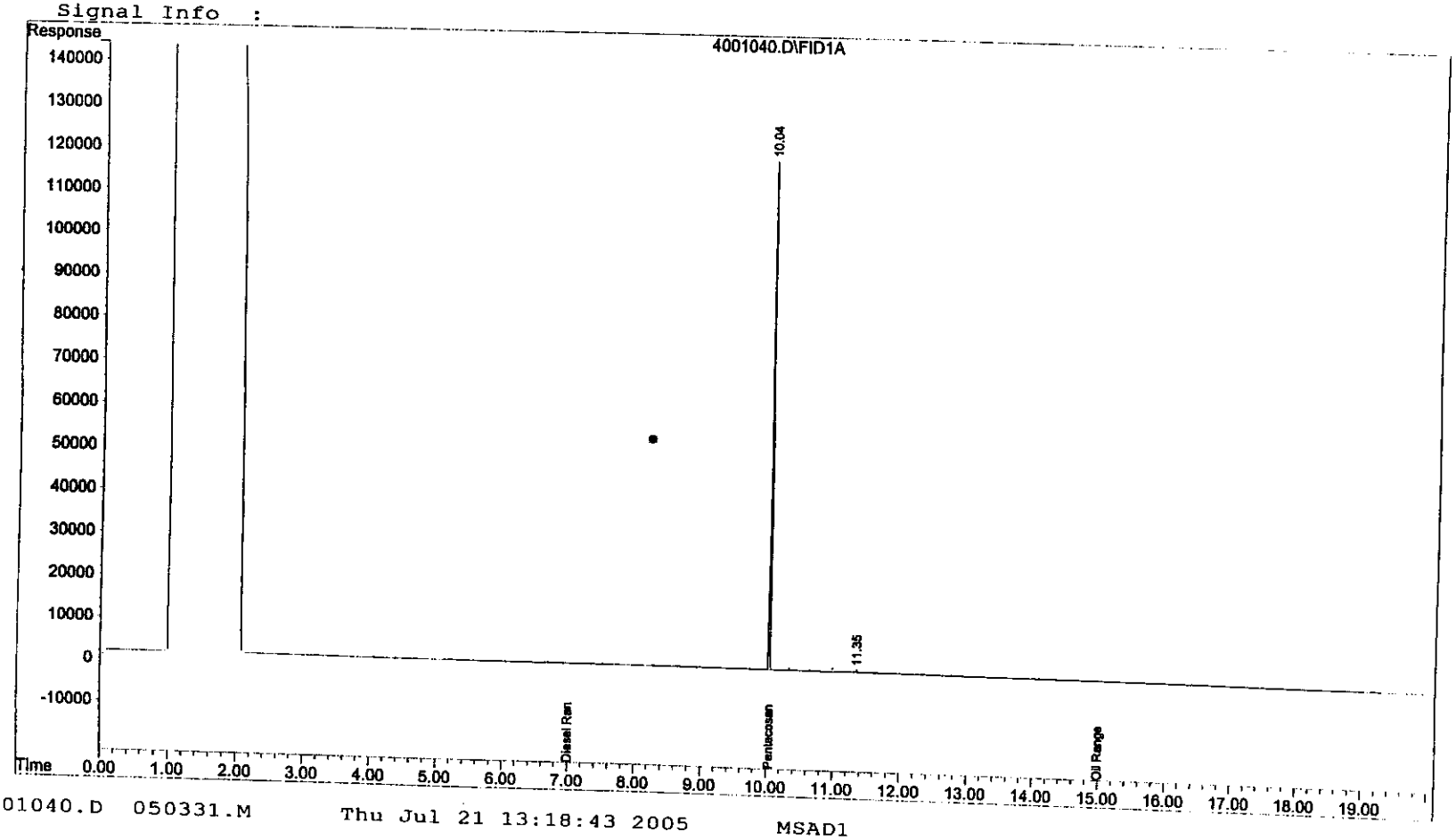
f)=RT Delta > 1/2 Window (m)=manual int.

Acq On : 21 Jul 2005 8:13
Sample : 0507-0670
Misc : PD-24-SW-B
IntFile : EVENTS.E
Quant Time: Jul 21 14:18 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 :



4001040.D 050331.M Thu Jul 21 13:18:43 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\4701047.D Vial: 47
Acq On : 21 Jul 2005 11:13 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:28 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	1162841	29.117 mg/L
piked Amount 25.000	Range 80 - 144	Recovery =	116.47% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	44788357	1098.888 mg/L 110%
3) H Oil Range Organics	15.00	22627	0.555 mg/L

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

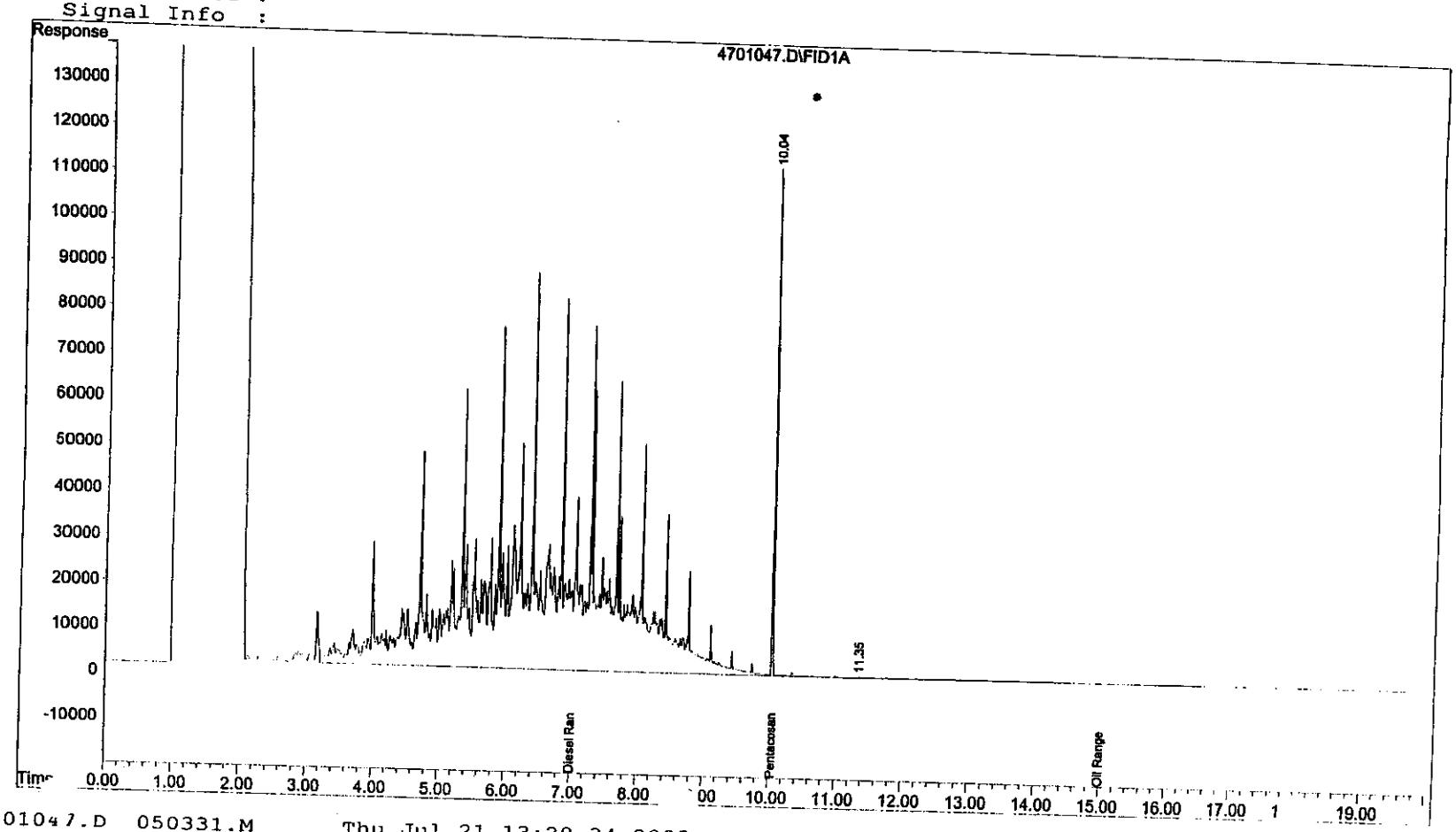
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\4701047.D Vial: 47
Acq On : 21 Jul 2005 11:13
Sample : 1000 ccv
Misc :
IntFile : EVENTS.E
Quant Time: Jul 21 14:28 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 :



4701047.D 050331.M Thu Jul 21 13:28:34 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\5201052.D Vial: 52
Acq On : 21 Jul 2005 13:22 Operator: KMI
Sample : 0507-0670 ms Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:27 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	1101755	27.587 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	110.35% 110%
Target Compounds			
2) H M Diesel Range Organics	7.00	41720585	1023.620 mg/L 100%
3) H Oil Range Organics	15.00	84609	2.076 mg/L

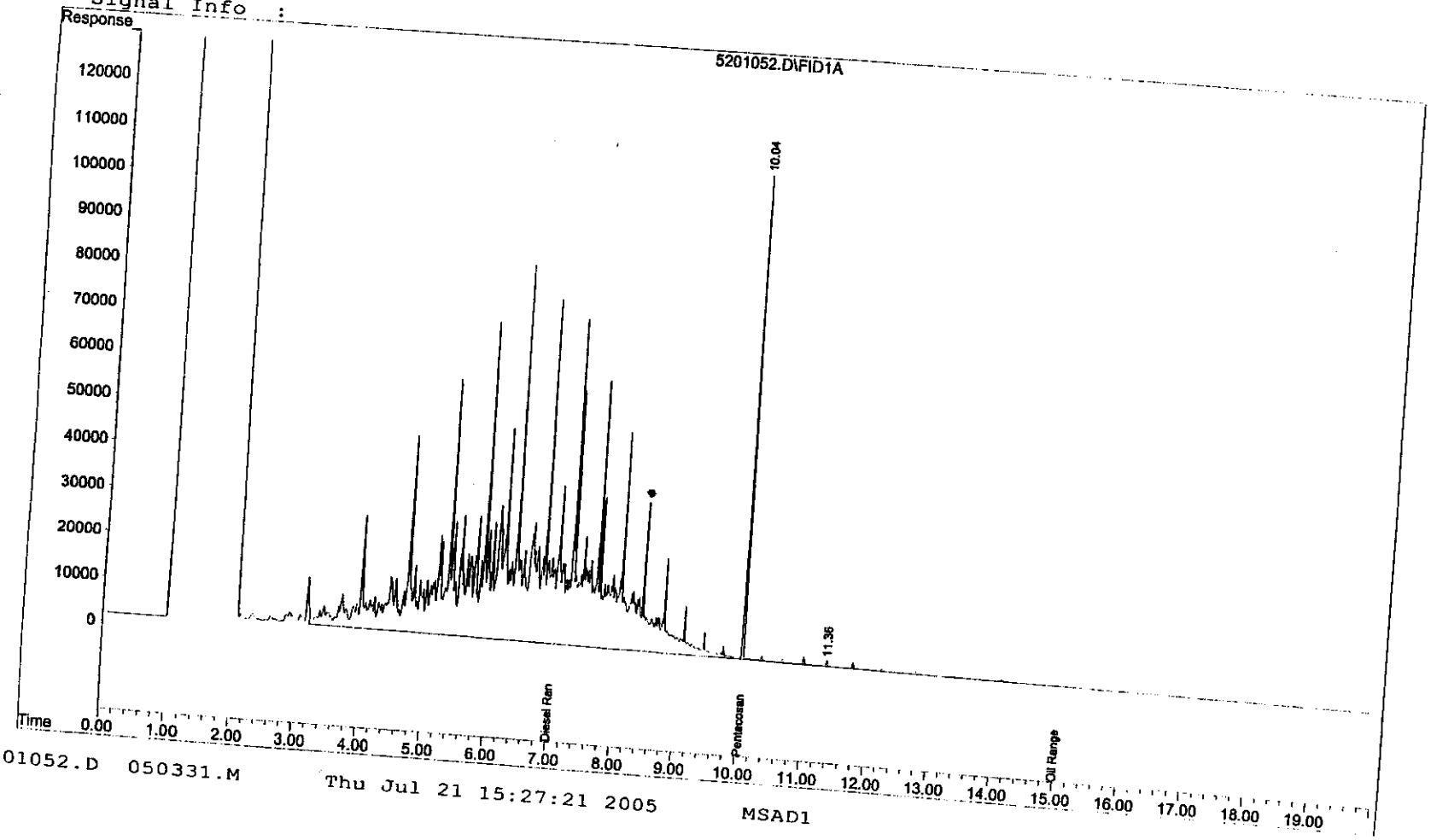
f)=RT Delta > 1/2 Window (m)=manual int.

Misc : PD-24-SW-B
IntFj : EVENTS.E
Quant ime: Jul 21 16:27 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 :



201052.D 050331.M Thu Jul 21 15:27:21 2005 MSAD1

Quantitation Report (Not Reviewed)

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\5301053.D Vial: 53
Acq On : 21 Jul 2005 13:48 Operator: KMI
Sample : 0507-0670 msd Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:28 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 :

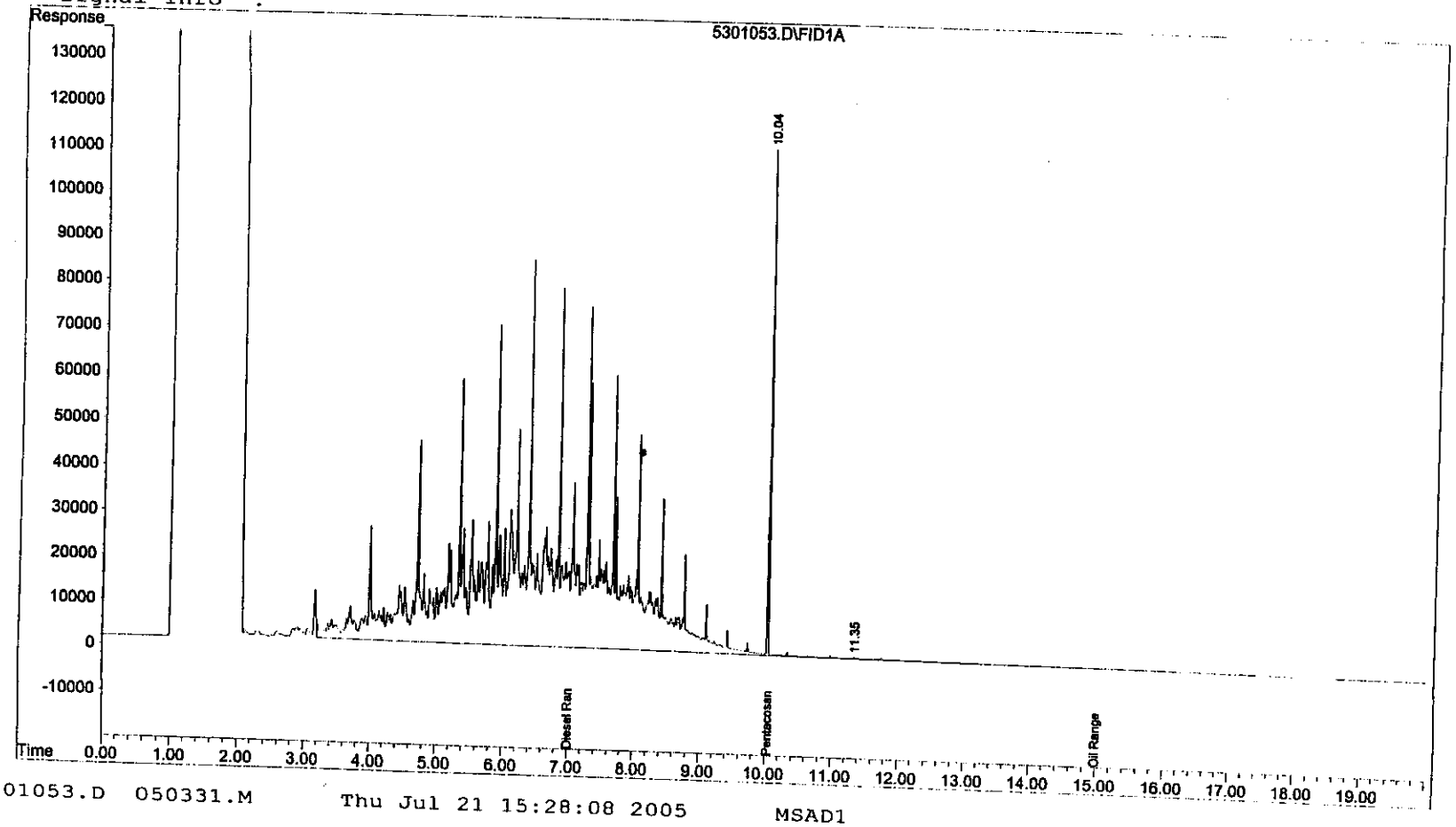
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1122953	28.118 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	112.47%
Target Compounds			
2) H M Diesel Range Organics	7.00	42853077	1051.406 mg/L
3) H Oil Range Organics	15.00	39240	0.963 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\5301053.D Vial: 53
Acq On : 21 Jul 2005 13:48 Operator: KMI
Sampl : 0507-0670 msd Inst : FID3
Misc : PD-24-SW-B Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 16:28 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 :



5301053.D 050331.M Thu Jul 21 15:28:08 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 Ini
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

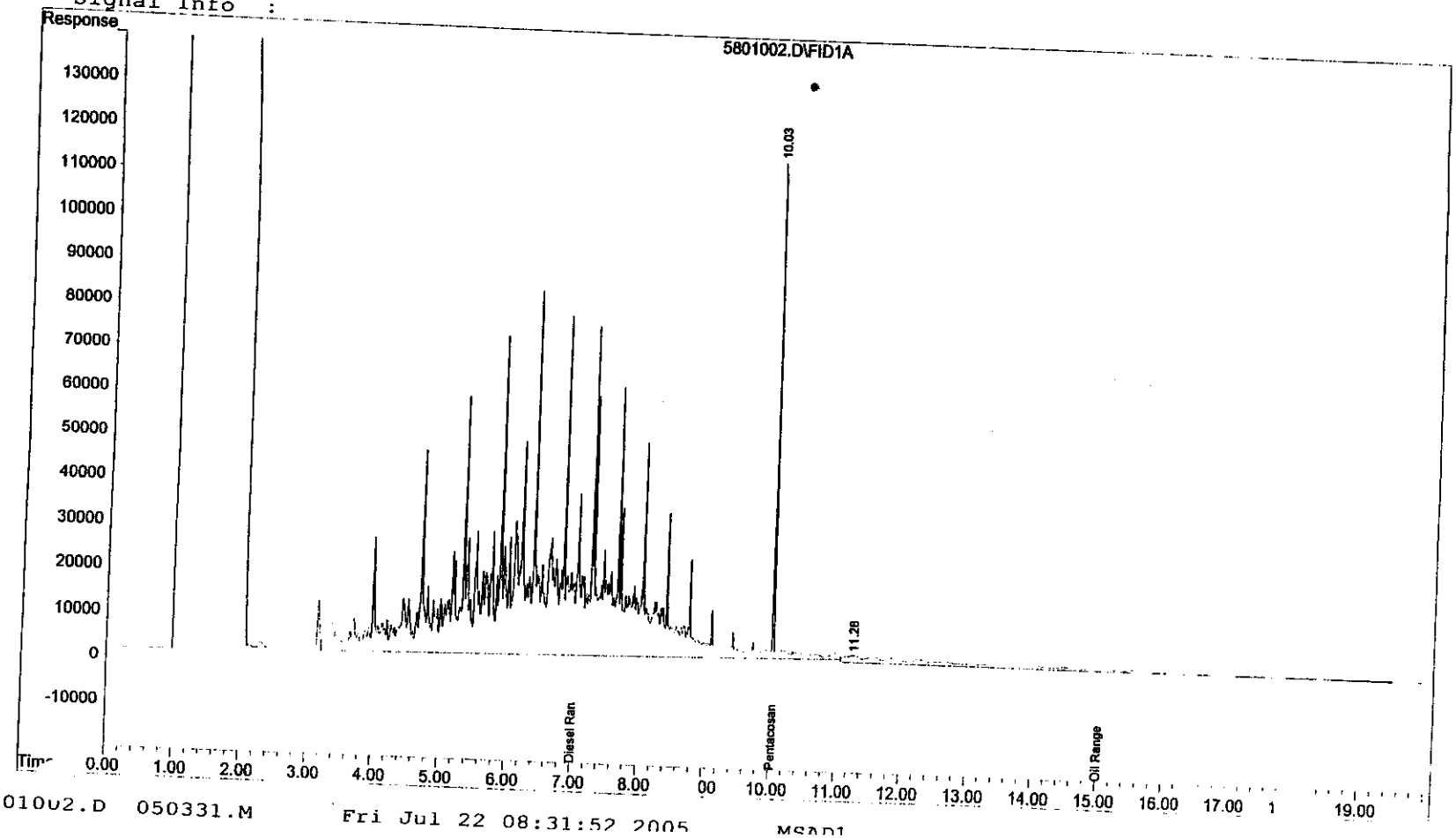
Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\ZZZ\5801002.D Vial: 58
Acq On : 21 Jul 2005 18:20
Sample : 1000 ccv
Misc :
IntFile : EVENTS.E
Quant Time: Jul 22 9:29 19105

Operator: KMI
Inst : FID3
Multiplr: 1.00

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 :



5801002.D 050331.M Fri Jul 22 08:31:52 2005 MSAD1

Pace Analytical

PACE ANALY: :AL DEL CARIBE

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

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	

PACE ANALYTICAL DEL CARIBE

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

KD 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

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	

KP 7/25/05

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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

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

lethod : O:\ORGANICS\HPCHEM\17PIDF~1\METHODS\0617ARCH.M (Chemstation Integrator)
'itle :
ast Update : Mon Jun 20 10:20:12 2005
te: ıse via : Initial Calibration

lon-Spiked Sample: 034F3501.D

	Spike Sample	Spike Duplicate Sample
'ile ID :	035F3601.D	036F3701.D
ample :	LCS Aq,,,2	LCSD Aq,,,2
cq Time:	23-Jul-2005, 10:50:10	23-Jul-2005, 11:22:33

ompound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
asoline	0.0	1650	1454	1534	88	93	5	20	70-130
enzene	0.0	23	28	29	124	126	2	20	70-130
oluene	0.0	123	131	159	106	129	19	20	70-130
thylbenzene	0.0	29	28	33	96	111	14	20	70-130
,p-Xylene	0.0	103	108	117	105	114	9	20	70-130
-Xylene	0.0	42	46	51	110	122	10	20	70-130

- Fails Limit Check

0617ARCH.M Mon Jul 25 10:12:30 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%
1. 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
0) T M o-Xylene	8.79	8209	26.041 ug/L
2) T 1,3,5-Trimethylbenzene	10.93	5888	11.995 ug/L
3) T 1,2,4-Trimethylbenzene	11.59	13616	36.924 ug/L
4) T Naphthalene	0.00	0	3.895 ug/L

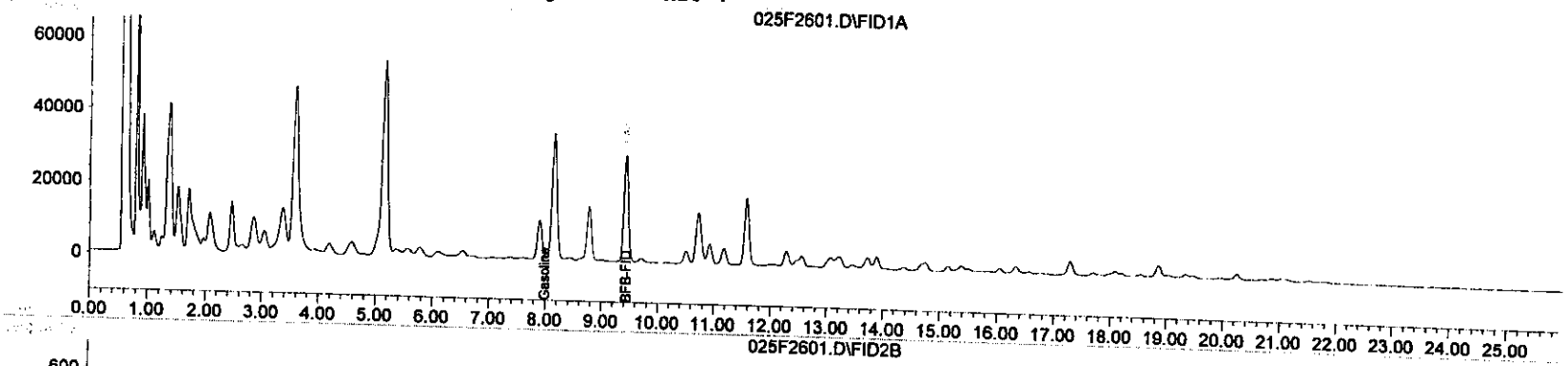
f)=RT Delta > 1/2 Window (m)=manual int.

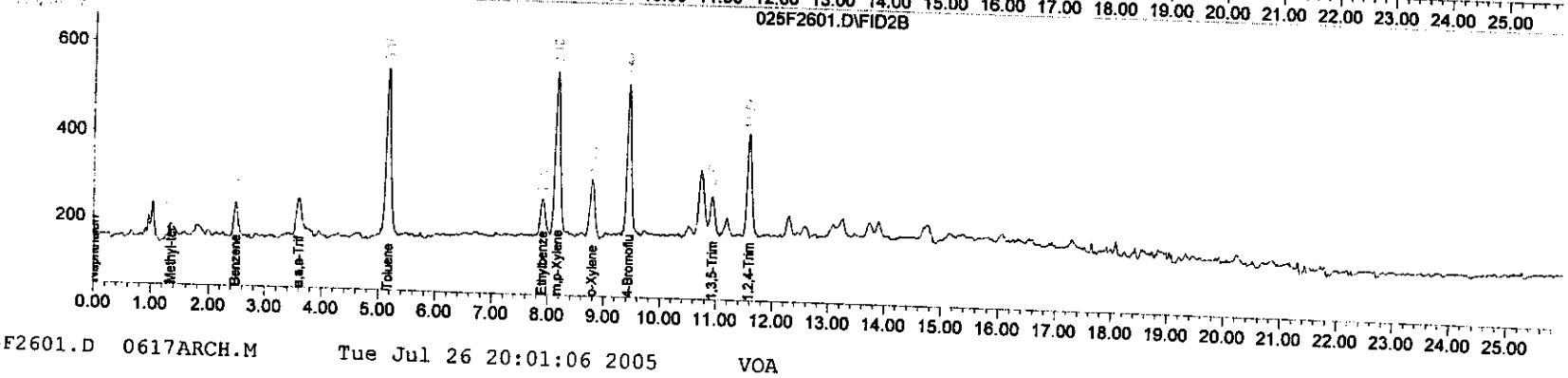
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F2601.D\FID1A.CH Vial: 25
Acq On 23-Jul-2005, 05:29:06 Operat RG
Sample GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

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%
11 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
.0) T M o-Xylene	8.79	15842	54.800 ug/L
.2) T 1,3,5-Trimethylbenzene	10.94	25190	54.929 ug/L
.3) T 1,2,4-Trimethylbenzene	11.59	19214	56.350 ug/L
.4) T Naphthalene	16.07	9166	51.576 ug/L

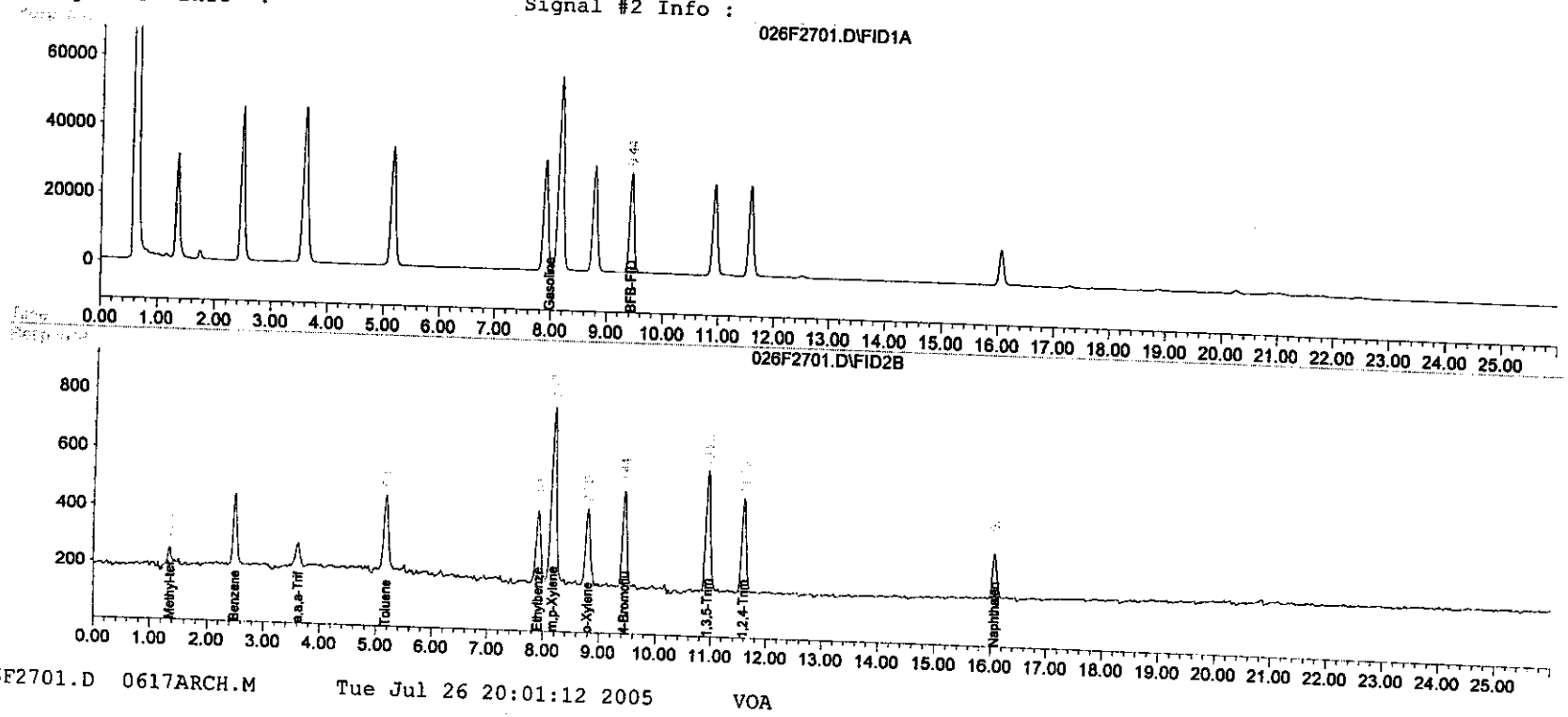
f)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F2701.D\FID1A.CH Vial: 26
Acq On : 23-Jul-2005, 06:01:12 Operat : 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\034F3501.D\FID1A.CH Vial: 34
Acq On : 23-Jul-2005, 10:18:32 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F3501.D\FID2B.CH Vial: 34
Acq On : 23-Jul-05, 10:18:32 Operator: RG
Sample : MB Aq,,,1 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	3.58	5747	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1603244	102.655 ug/L
pi' d Amount 100.000		Recovery =	102.66%
1) 4-Bromofluorobenzene	9.45	19270	95.671 ug/L
piked Amount 100.000		Recovery =	95.67%
Target Compounds			
1) H T M Gasoline	8.00	3166977	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
0) T M o-Xylene	0.00	0	N.D. ug/L
2) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
3) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
4) T Naphthalene	0.00	0	N.D. ug/L

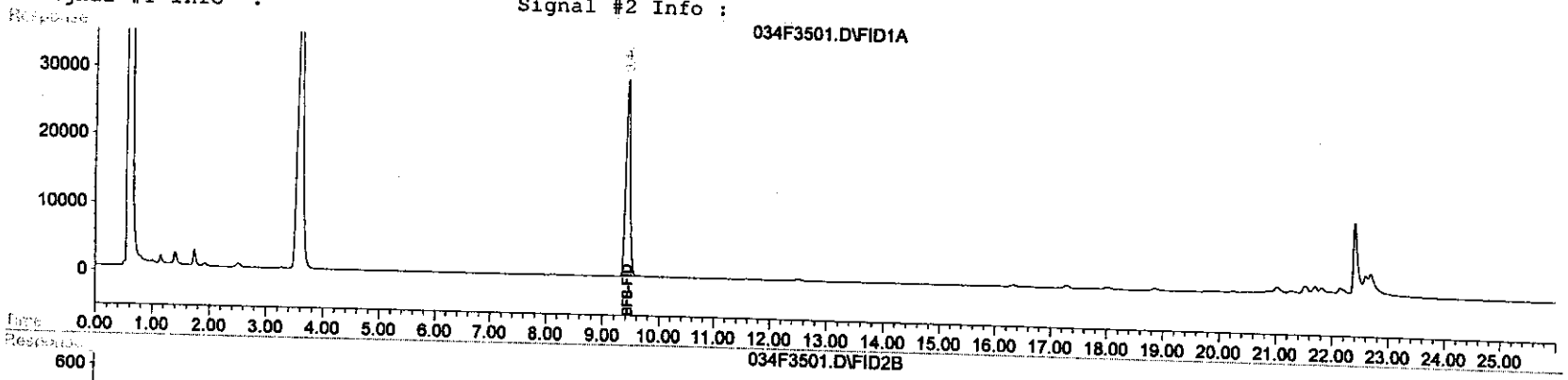
f)=RT Delta > 1/2 Window (m)=manual int.

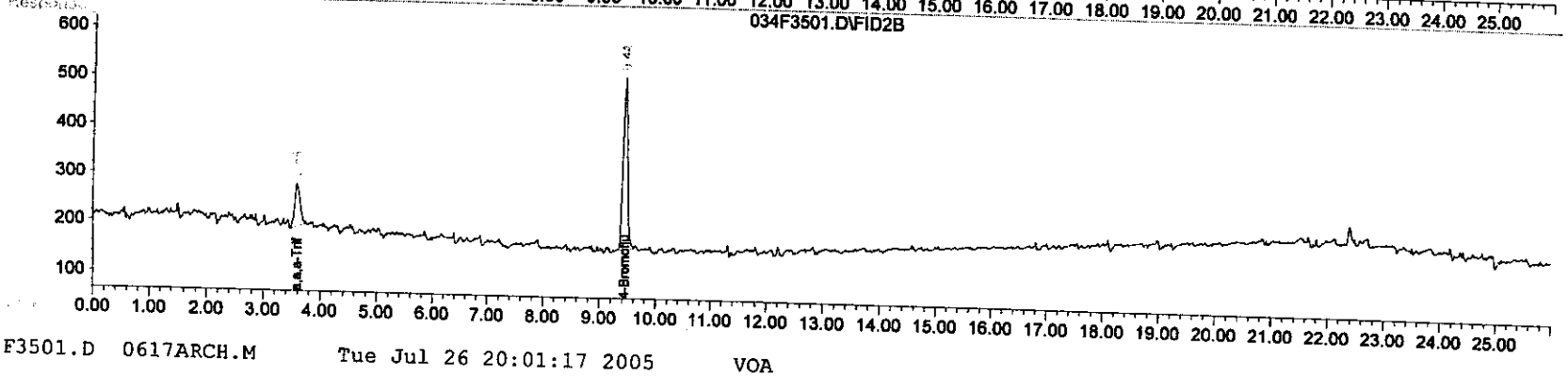
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F3501.D\FID1A.CH Vial: 34
Acq On : 23-Jul-2005, 10:18:32 Operat/ RG
Sample : MB Aq,,,1 Inst HP5890
Misc :
IntFile : AUTOINT1.E Multiplr: 1.00

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F3501.D\FID2B.CH Vial: 34
Acq On : 23-Jul-05, 10:18:32 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc :
IntFile : AUTOINT2.E Multiplr: 1.00
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\035F3601.D\FID1A.CH Vial: 35
Acq On : 23-Jul-2005, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID2B.CH Vial: 35
Acq On : 23-Jul-05, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	5367	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1683210	107.788 ug/L
Spiked Amount 100.000		Recovery =	107.79%
11 4-Bromofluorobenzene	9.44	19154	101.827 ug/L
Spiked Amount 100.000		Recovery =	101.83%
Target Compounds			
1) H T M Gasoline	8.00	37795877	1454.170 ug/L
5) T Methyl-tert-butyl ether	1.35	1329	30.435 ug/L
6) T M Benzene	2.48	5652	28.215 ug/L
7) T M Toluene	5.17	35026	131.129 ug/L
8) T M Ethylbenzene	7.90	7801	28.337 ug/L
9) T M m,p-Xylene	8.16	37219	107.607 ug/L
.0) T M o-Xylene	8.79	13048	45.736 ug/L
.2) T 1,3,5-Trimethylbenzene	10.94	9433	20.915 ug/L
.3) T 1,2,4-Trimethylbenzene	11.59	23162	69.323 ug/L
.4) T Naphthalene	0.00	0	N.D. ug/L

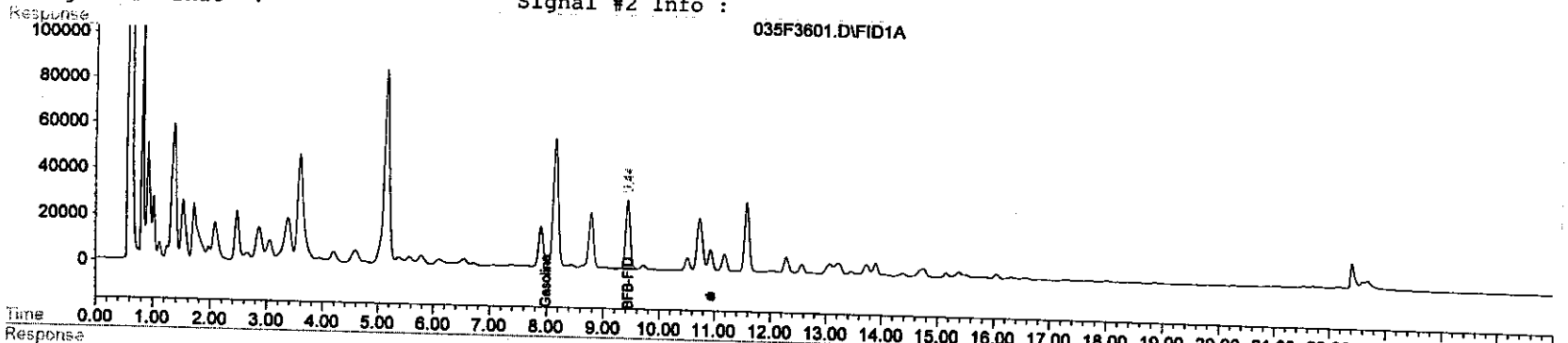
f)=RT Delta > 1/2 Window (m)=manual int.

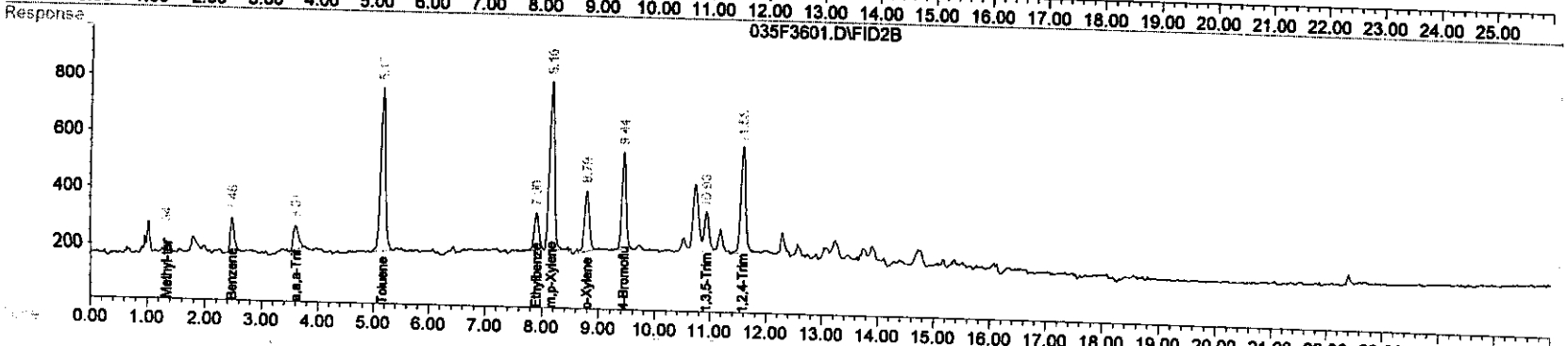
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID1A.CH Vial: 35
Acq On : 23-Jul-2005, 10:50:10 Operat : RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID2B.CH Vial: 35
Acq On : 23-Jul-05, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID1A.CH Vial: 36
Acq On : 23-Jul-2005, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID2B.CH Vial: 36
Acq On : 23-Jul-05, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.62	5258	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1668309	106.832 ug/L
Spiked Amount 100.000		Recovery =	106.83%
1) 4-Bromofluorobenzene	9.44	19031	103.274 ug/L
Spiked Amount 100.000		Recovery =	103.27%
Target Compounds			
1) H T M Gasoline	8.00	39695623	1534.115 ug/L
5) T Methyl-tert-butyl ether	1.34	1951	45.852 ug/L
6) T M Benzene	2.48	5627	28.647 ug/L
7) T M Toluene	5.17	41510	158.848 ug/L
8) T M Ethylbenzene	7.91	8689	32.558 ug/L
9) T M m,p-Xylene	8.16	39623	117.164 ug/L
0) T M o-Xylene	8.79	14161	50.773 ug/L
2) T 1,3,5-Trimethylbenzene	10.94	9595	21.716 ug/L
3) T 1,2,4-Trimethylbenzene	11.59	25121	76.872 ug/L
4) T Naphthalene	16.07	2007	14.731 ug/L

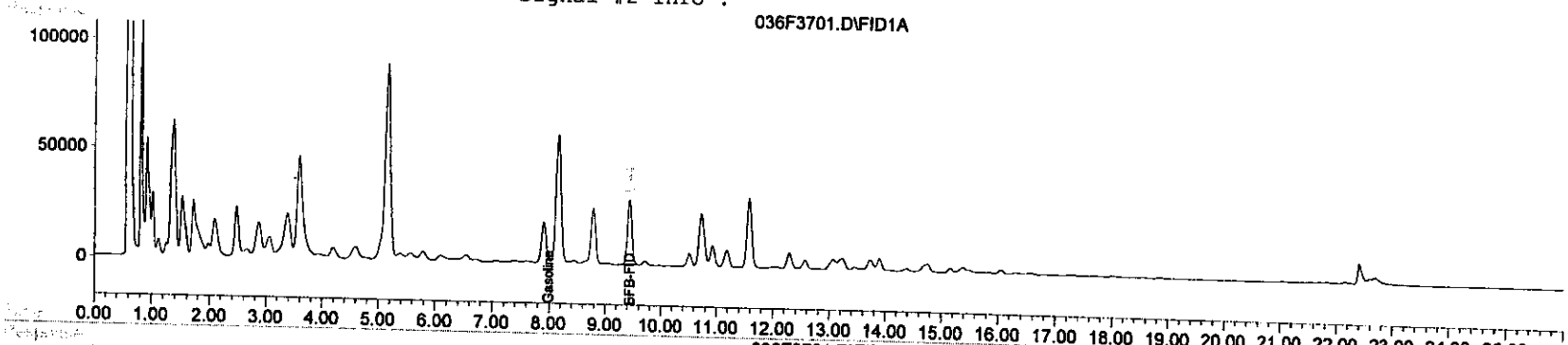
f)=RT Delta > 1/2 Window (m)=manual int

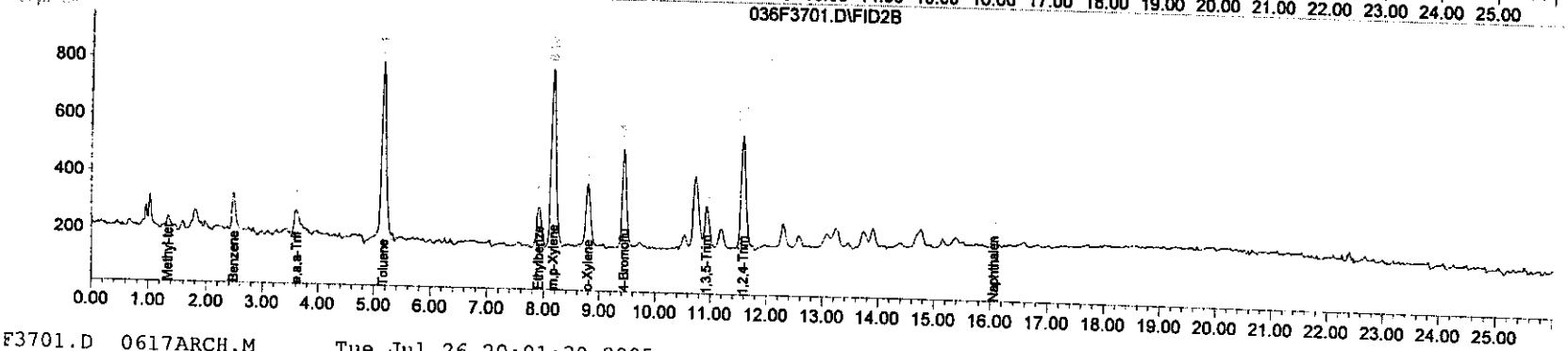
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID1A.CH Vial: 36
Acq On : 23-Jul-2005, 11:22:33 Operat RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID2B.CH Vial: 36
Acq On : 23-Jul-05, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





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%
1, 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
0) T M o-Xylene	8.79	7131	22.963 ug/L
2) T 1,3,5-Trimethylbenzene	10.93	5345	11.107 ug/L
3) T 1,2,4-Trimethylbenzene	11.59	12428	34.296 ug/L
4) T Naphthalene	0.00	0	3.895 ug/L

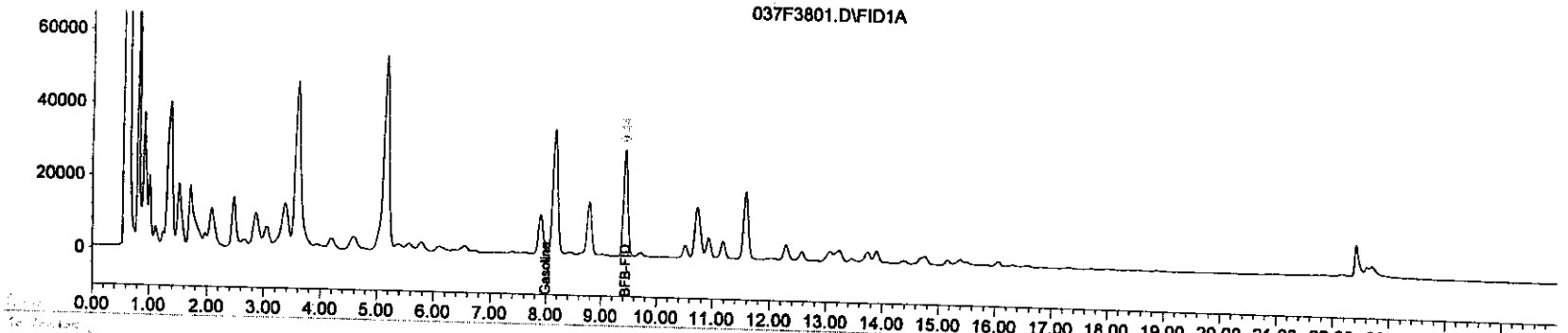
f)=RT Delta > 1/2 Window (m)=manual int.

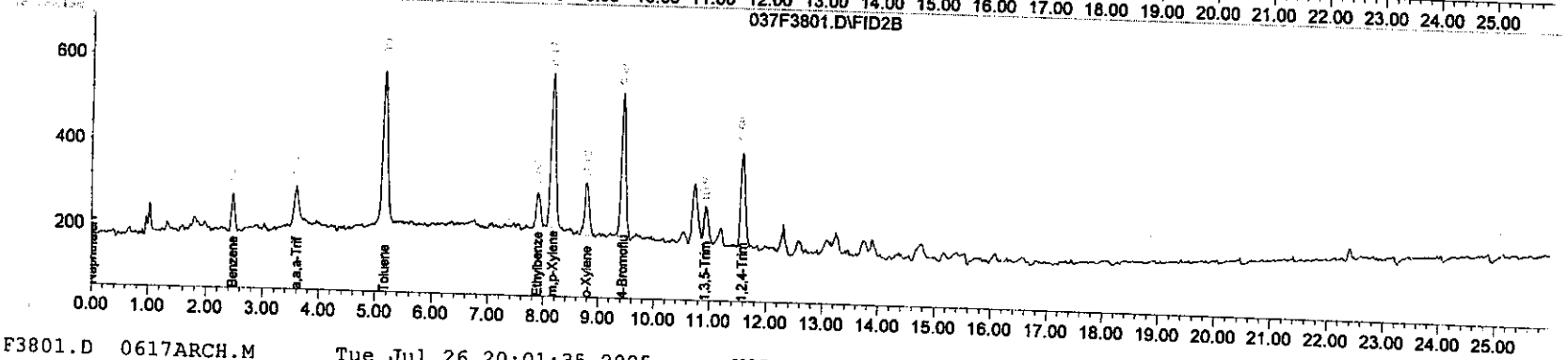
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3801.D\FID1A.CH Vial: 37
Acq On : 23-Jul-2005, 11:54:31 Operat RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

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%
.1, 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
.0) T M o-Xylene	8.79	15105	50.675 ug/L
.2) T 1,3,5-Trimethylbenzene	10.94	25031	53.010 ug/L
.3) T 1,2,4-Trimethylbenzene	11.59	19936	56.794 ug/L
.4) T Naphthalene	16.07	9996	54.399 ug/L

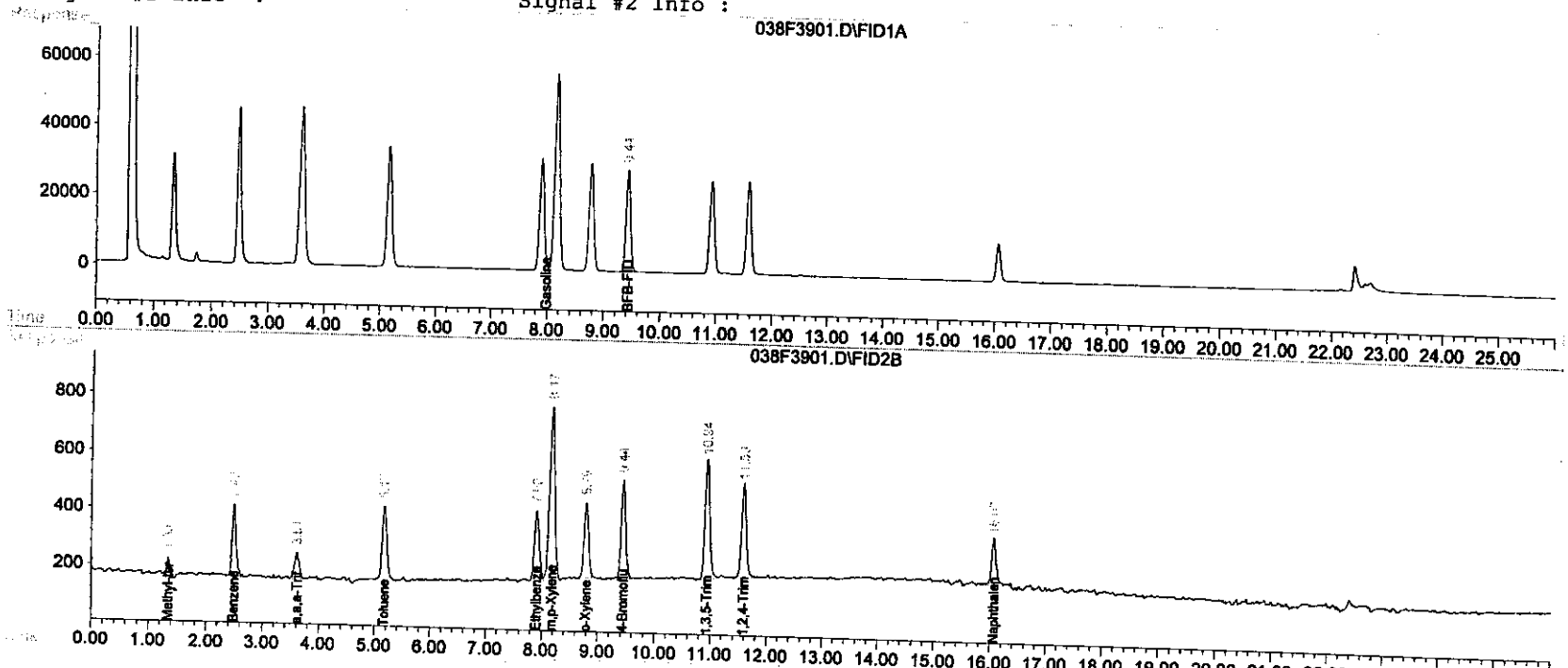
*RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F3901.D\FID1A.CH Vial: 38
Acq On 23-Jul-2005, 12:27:01 Operat 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 :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\040F4101.D\FID1A.CH Vial: 40
Acq On : 23-Jul-2005, 13:31:10 Operator: RG
Sample : 1679-0669,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\040F4101.D\FID2B.CH Vial: 40
Acq On : 23-Jul-05, 13:31:10 Operator: RG
Sample : 1679-0669,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.58	5401	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1603398	102.665 ug/L
Spiked Amount 100.000		Recovery =	102.67%
11) S 4-Bromofluorobenzene	9.45	18486	97.655 ug/L
Spiked Amount 100.000		Recovery =	97.66%
Target Compounds			
1) H T M Gasoline	8.00	2944493	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

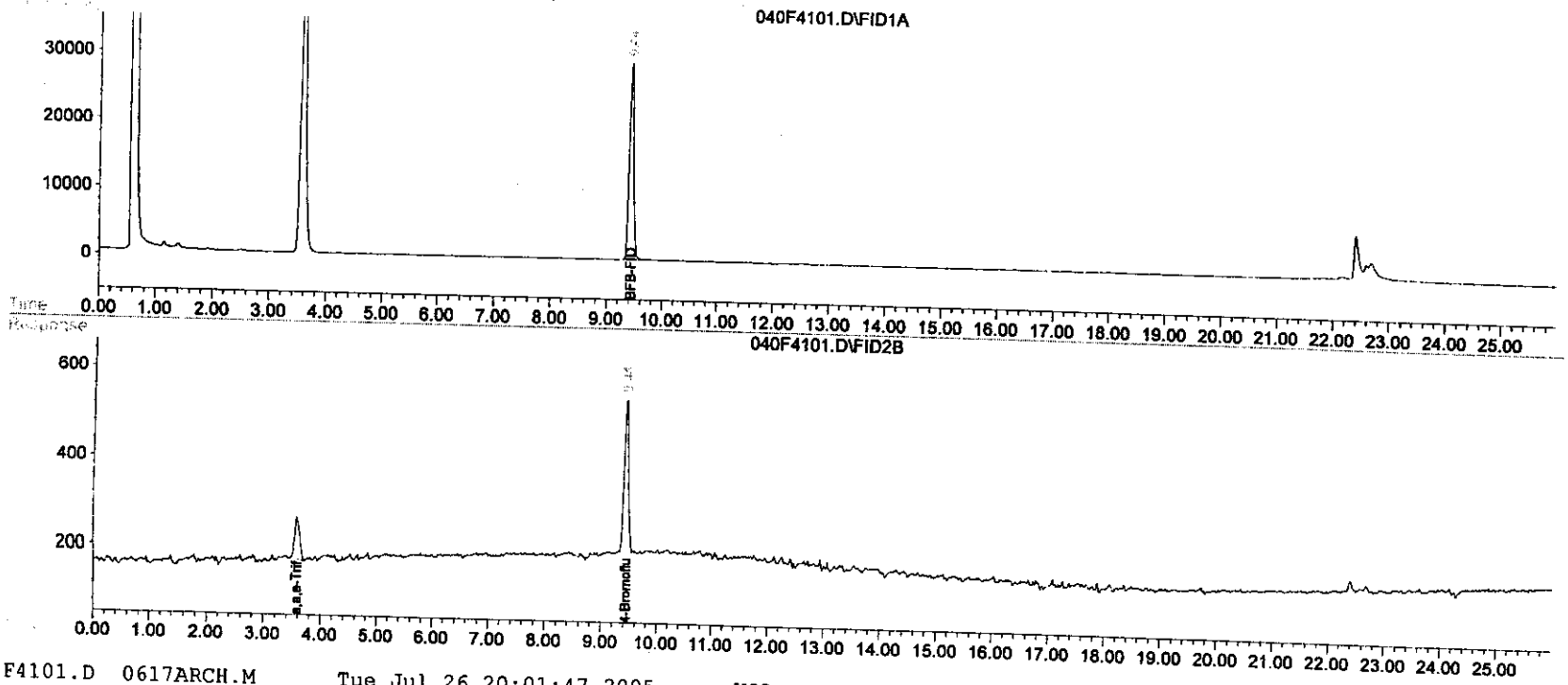
f)=RT Delta > 1/2 Window (m)=manual int

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\040F4101.D\FID1A.CH Vial: 40
Acq On : 23-Jul-2005, 13:31:10 Operat : RG
Sample : 1679-0669,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\040F4101.D\FID2B.CH Vial: 40
Acq On : 23-Jul-05, 13:31:10 Operator: RG
Sample : 1679-0669,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\041F4201.D\FID1A.CH Vial: 41
Acq On : 23-Jul-2005, 14:04:04 Operator: RG
Sample : 1679-0670,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\041F4201.D\FID2B.CH Vial: 41
Acq On : 23-Jul-05, 14:04:04 Operator: RG
Sample : 1679-0670,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.60	5959	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1599715	102.428 ug/L
Spiked Amount 100.000		Recovery =	102.43%
11) S 4-Bromofluorobenzene	9.45	18773	89.887 ug/L
Spiked Amount 100.000		Recovery =	89.89%
Target Compounds			
1) H T M Gasoline	8.00	2939761	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

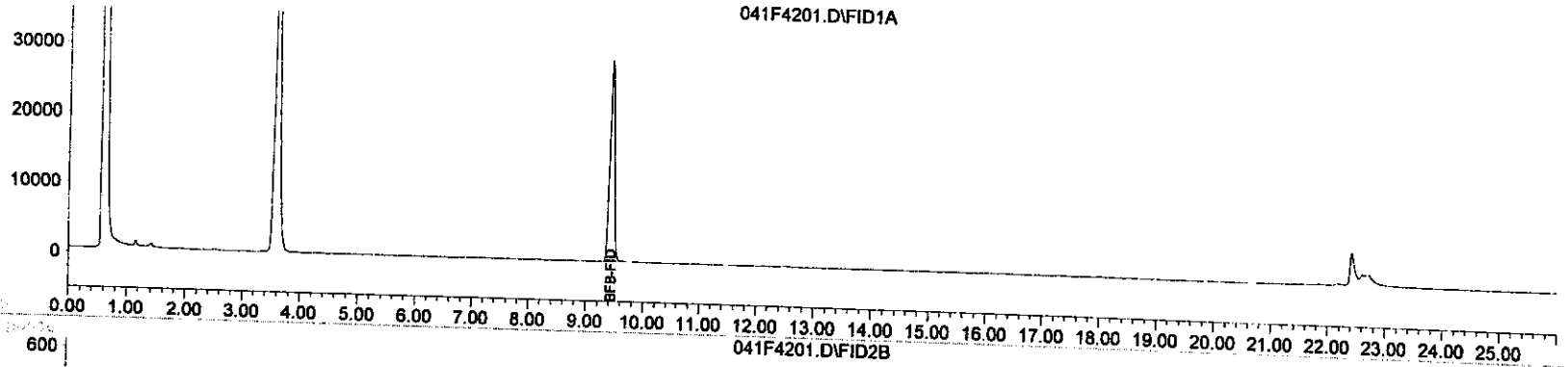
(f)=RT Delta > 1/2 Window (m)=manual int.

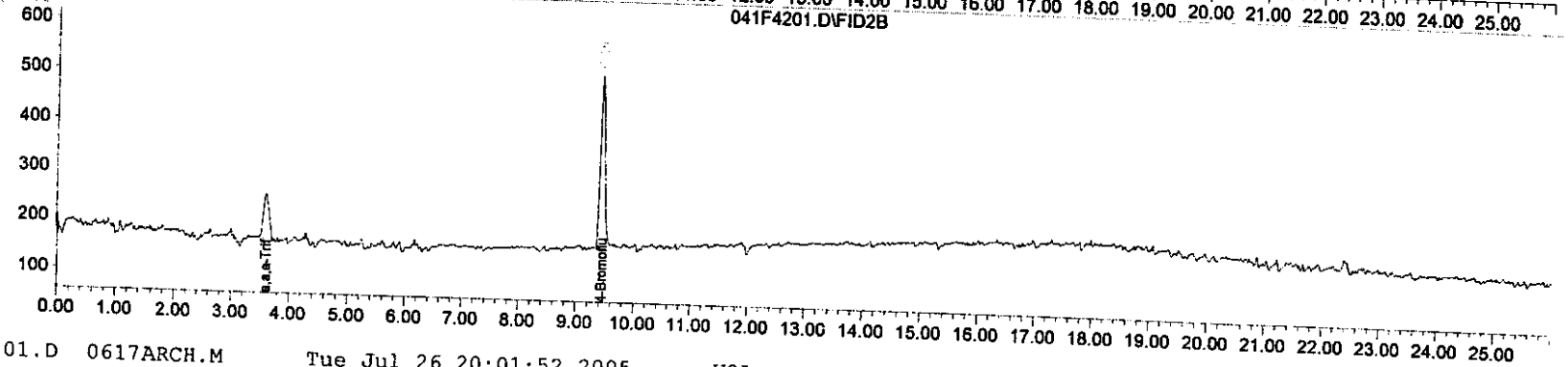
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\041F4201.D\FID1A.CH Vial: 41
Acq On : 23-Jul-2005, 14:04:04 Operat : RG
Sample : 1679-0670,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\041F4201.D\FID2B.CH Vial: 41
Acq On : 23-Jul-05, 14:04:04 Operator: RG
Sample : 1679-0670,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\042F4301.D\FID1A.CH Vial: 42
Acq On : 23-Jul-2005, 14:36:18 Operator: RG
Sample : 1679-0671,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\042F4301.D\FID2B.CH Vial: 42
Acq On : 23-Jul-05, 14:36:18 Operator: RG
Sample : 1679-0671,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.60	5349	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1608381	102.985 ug/L
Spiked Amount 100.000		Recovery =	102.99%
11 , 4-Bromofluorobenzene	9.45	20191	107.707 ug/L
Spiked Amount 100.000		Recovery =	107.71%
Target Compounds			
1) H T M Gasoline	8.00	2970126	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

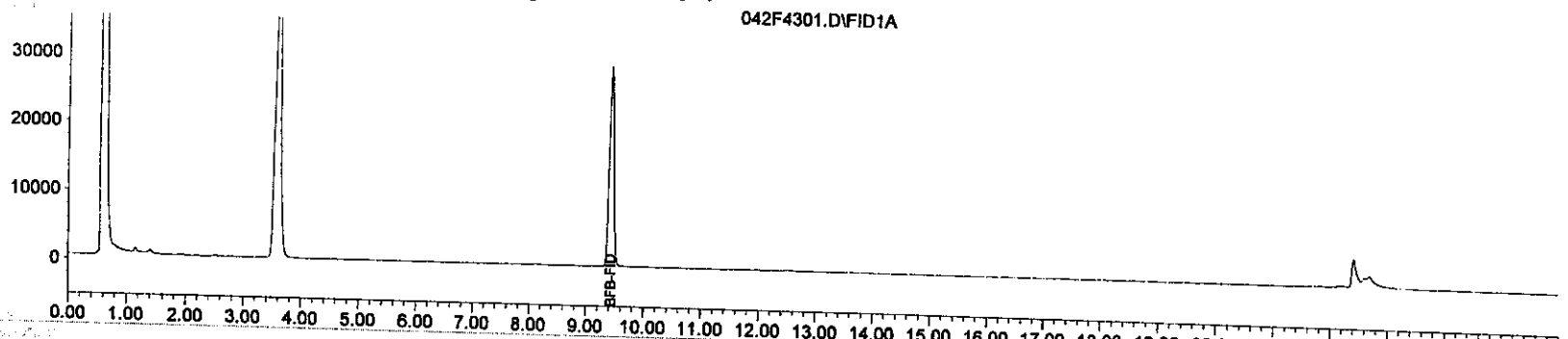
(f)=RT Delta > 1/2 Window (m)=manual int.

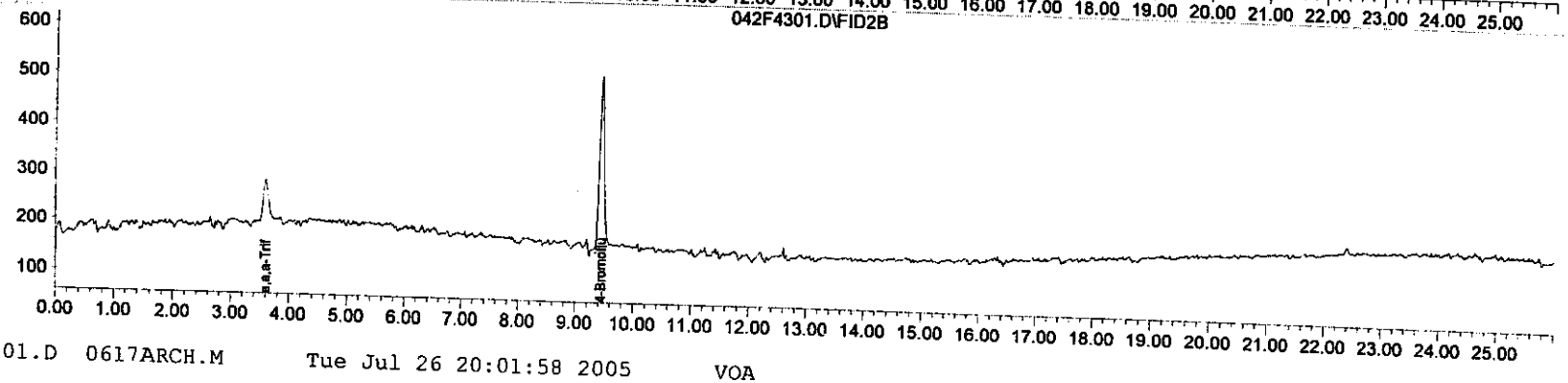
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\042F4301.D\FID1A.CH Vial: 42
Acq On : 23-Jul-2005, 14:36:18 Operat RG
Sample : 1679-0671,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\042F4301.D\FID2B.CH Vial: 42
Acq On : 23-Jul-05, 14:36:18 Operator: RG
Sample : 1679-0671,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\043F4401.D\FID1A.CH Vial: 43
Acq On : 23-Jul-2005, 15:08:45 Operator: RG
Sample : 1679-0672,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\043F4401.D\FID2B.CH Vial: 43
Acq On : 23-Jul-05, 15:08:45 Operator: RG
Sample : 1679-0672,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.60	5760	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1603256	102.656 ug/L
piked Amount 100.000		Recovery =	102.66%
1. 4-Bromofluorobenzene	9.45	17975	89.045 ug/L
piked Amount 100.000		Recovery =	89.05%
Target Compounds			
1) H T M Gasoline	8.00	3042225	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
0) T M o-Xylene	0.00	0	N.D. ug/L
2) T 1,3,5-Trimethylbenzene	0.00	0	N.D. ug/L
3) T 1,2,4-Trimethylbenzene	0.00	0	N.D. ug/L
4) T Naphthalene	0.00	0	N.D. ug/L

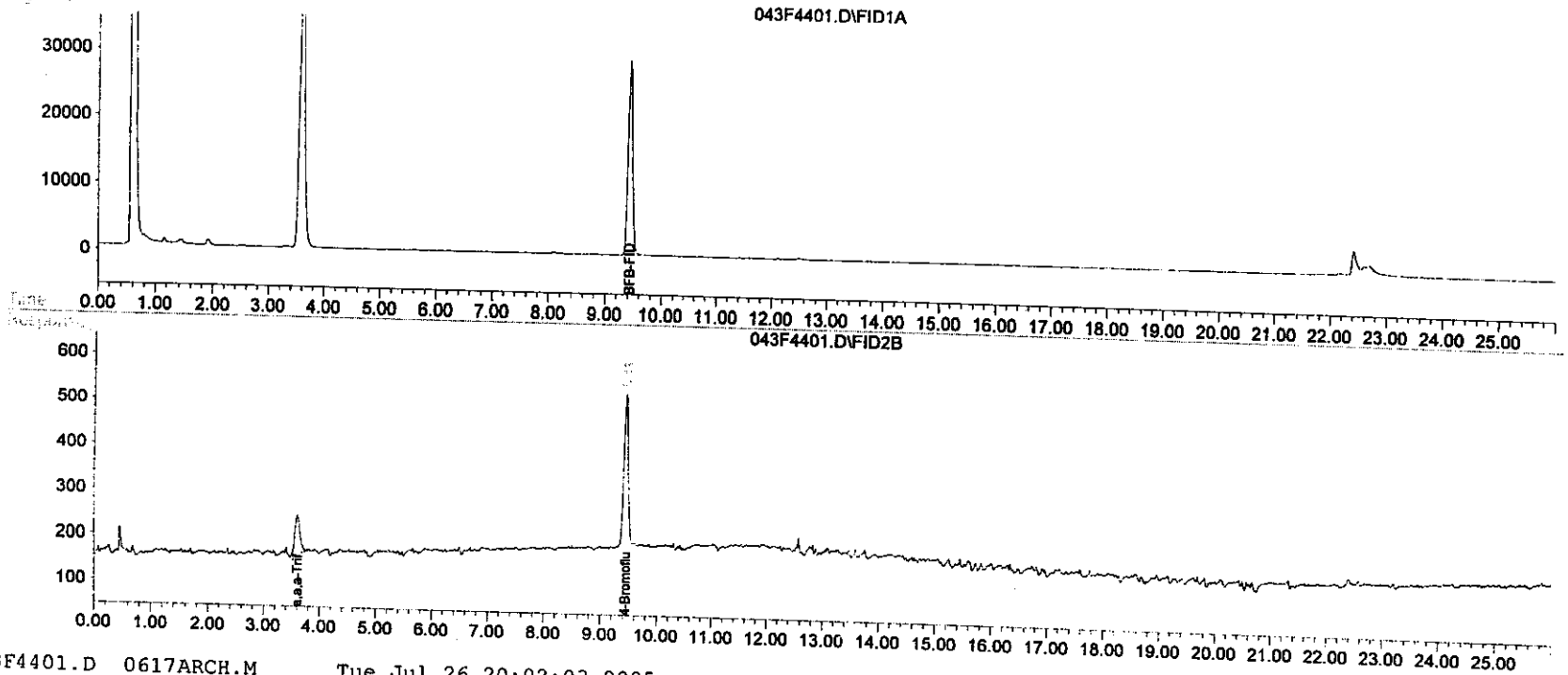
)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\043F4401 D\FID1A.CH Vial: 43
Acq On : 23-Jul-2005, 15:08:45 Operat: RG
Sample : 1679-0672,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\043F4401.D\FID2B.CH Vial: 43
Acq On : 23-Jul-05, 15:08:45 Operator: RG
Sample : 1679-0672,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\044F4501.D\FID1A.CH Vial: 44
Acq On : 23-Jul-2005, 15:41:08 Operator: RG
Sample : 1679-0673,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\044F4501.D\FID2B.CH Vial: 44
Acq On : 23-Jul-05, 15:41:08 Operator: RG
Sample : 1679-0673,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.57	5158	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1579807	101.150 ug/L
Spiked Amount 100.000		Recovery =	101.15%
11 4-Bromofluorobenzene	9.44	18510	102.397 ug/L
Spiked Amount 100.000		Recovery =	102.40%
Target Compounds			
1) H T M Gasoline	8.00	2908268	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

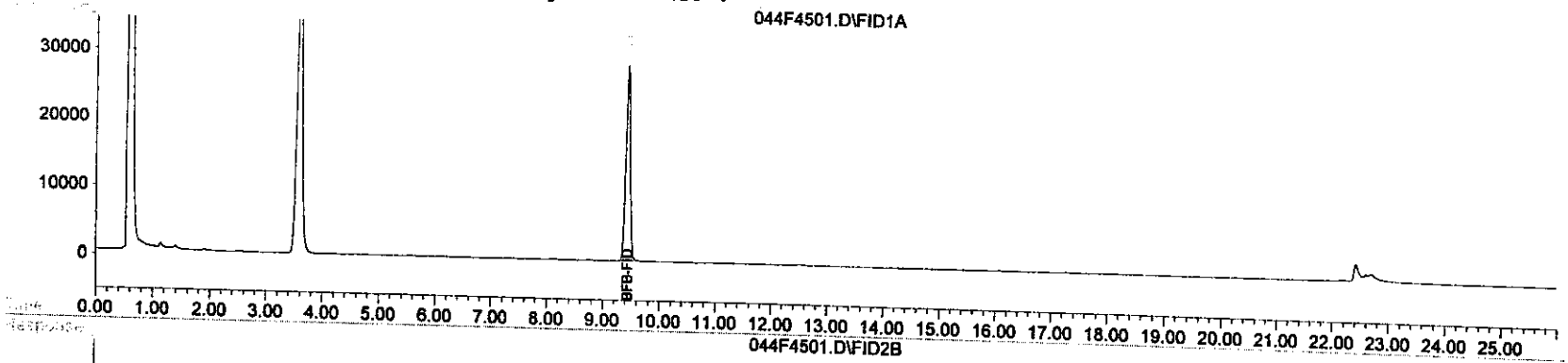
f)=RT Delta > 1/2 Window (m)=manual int.

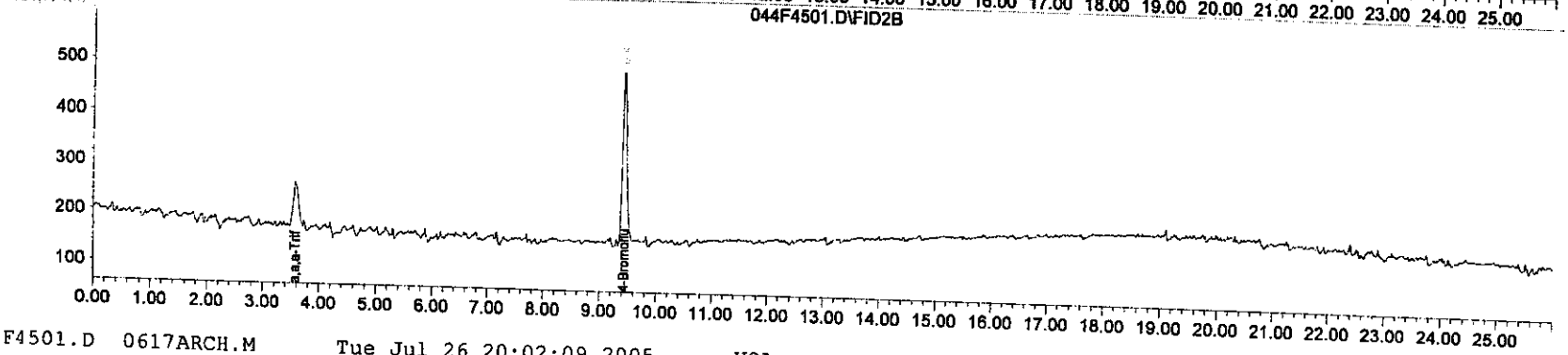
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\044F4501.D\FID1A.CH Vial: 44
Acq On 23-Jul-2005, 15:41:08 Operat RG
Sample 1679-0673,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\044F4501.D\FID2B.CH Vial: 44
Acq On : 23-Jul-05, 15:41:08 Operator: RG
Sample : 1679-0673,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID1A.CH Vial: 49
Acq On : 23-Jul-2005, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID2B.CH Vial: 49
Acq On : 23-Jul-05, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:43 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	5440	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1637184	104.834 ug/L
Spiked Amount 100.000		Recovery =	104.83%
1 4-Bromofluorobenzene	9.45	18509	97.081 ug/L
Spiked Amount 100.000		Recovery =	97.08%
Target Compounds			
1) H T M Gasoline	8.00	23966564	872.212 ug/L
5) T Methyl-tert-butyl ether	1.37	911	20.419 ug/L
6) T M Benzene	2.48	4277	21.437 ug/L
7) T M Toluene	5.17	21290	78.242 ug/L
8) T M Ethylbenzene	7.91	4354	14.489 ug/L
9) T M m,p-Xylene	8.16	22049	61.832 ug/L
0) T M o-Xylene	8.79	6986	23.715 ug/L
2) T 1,3,5-Trimethylbenzene	10.94	4234	9.261 ug/L
3) T 1,2,4-Trimethylbenzene	11.59	13614	39.726 ug/L
4) T Naphthalene	0.00	0	3.895 ug/L

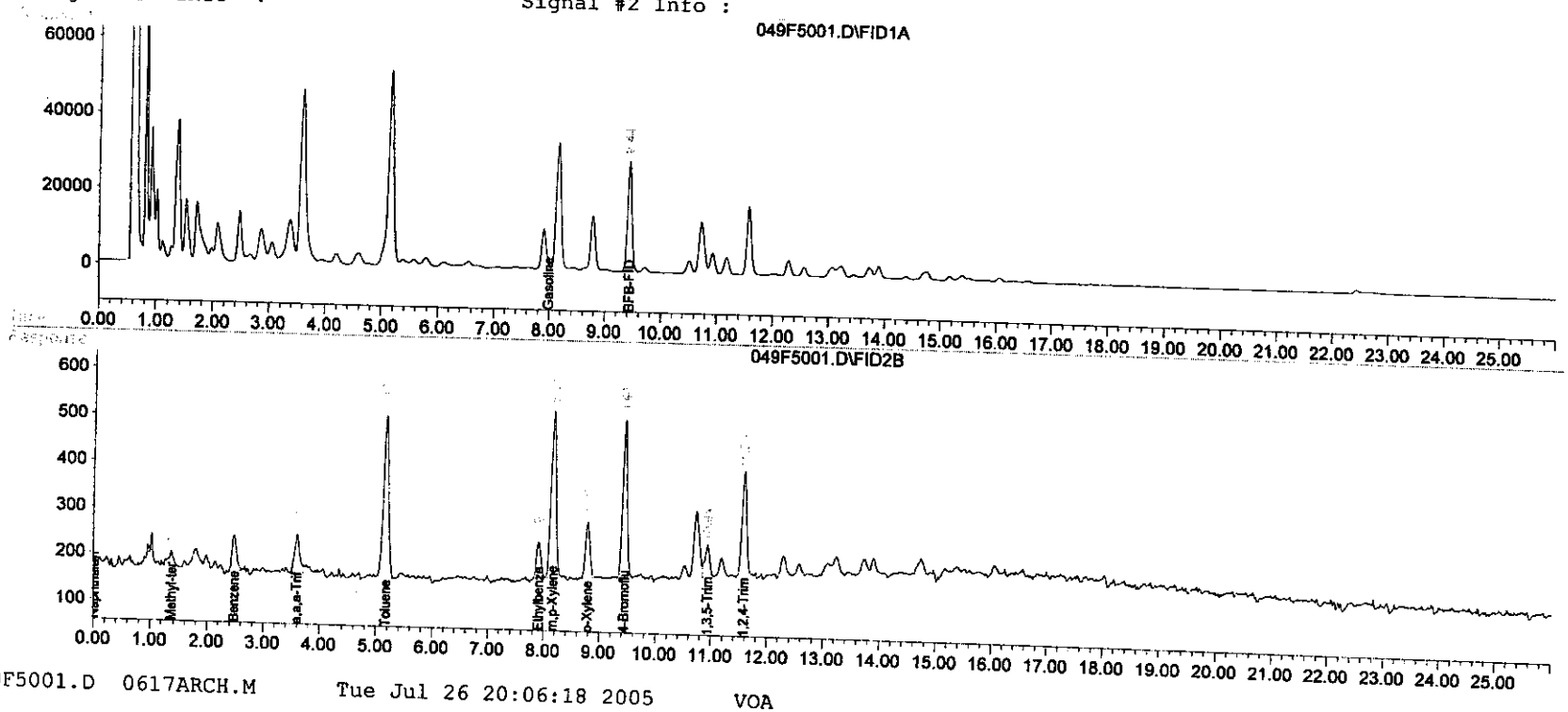
f)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID1A.CH Vial: 49
Acq On : 23-Jul-2005, 18:22:37 Opera' : RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID2B.CH Vial: 49
Acq On : 23-Jul-05, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:43 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 :



049F5001.D 0617ARCH.M Tue Jul 26 20:06:18 2005 VOA

Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID1A.CH Vial: 50
Acq On : 23-Jul-2005, 18:54:58 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID2B.CH Vial: 50
Acq On : 23-Jul-05, 18:54:58 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #1 Info : Signal #2 Phase:
Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5367	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1602621	102.615 ug/L
piked Amount 100.000		Recovery =	102.62%
1 4-Bromofluorobenzene	9.44	18193	96.731 ug/L
piked Amount 100.000		Recovery =	96.73%
Target Compounds			
1) H T M Gasoline	8.00	18667221	649.207 ug/L
5) T Methyl-tert-butyl ether	1.35	1879	43.241 ug/L
6) T M Benzene	2.48	11037	53.700 ug/L
7) T M Toluene	5.17	13425	49.654 ug/L
8) T M Ethylbenzene	7.91	13261	49.913 ug/L
9) T M m,p-Xylene	8.17	36088	104.277 ug/L
0) T M o-Xylene	8.79	16004	56.320 ug/L
2) T 1,3,5-Trimethylbenzene	10.94	23997	53.213 ug/L
3) T 1,2,4-Trimethylbenzene	11.59	19169	57.186 ug/L
4) T Naphthalene	16.07	10502	59.450 ug/L

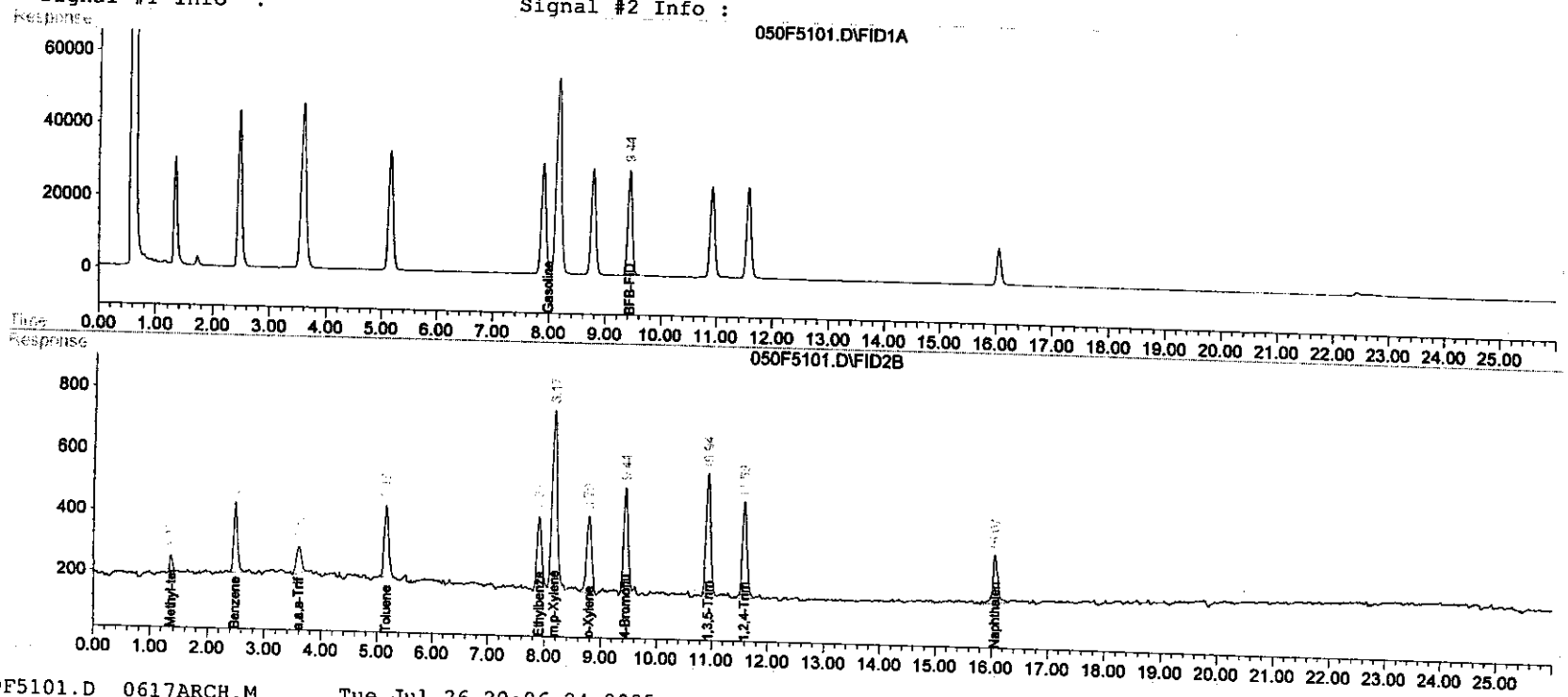
)=RT Delta > 1/2 Window (m)=manual int.

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID1A.CH Vial: 50
Acq On : 23-Jul-2005, 18:54:58 Opera' : RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID2B.CH Vial: 50
Acq On : 23-Jul-05, 18:54:58 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 :



Acq On : 23-Jul-2005, 15:41:08
Sample 1679-0673,,,
Misc :
IntFile : AUTOINT1.E

Operator: RG
Inst : HP5890
Multiplr: 1.00

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\044F4501.D\FID2B.CH Vial: 44
Acq On : 23-Jul-05, 15:41:08
Sample : 1679-0673,,,
Misc :
IntFile : AUTOINT2.E

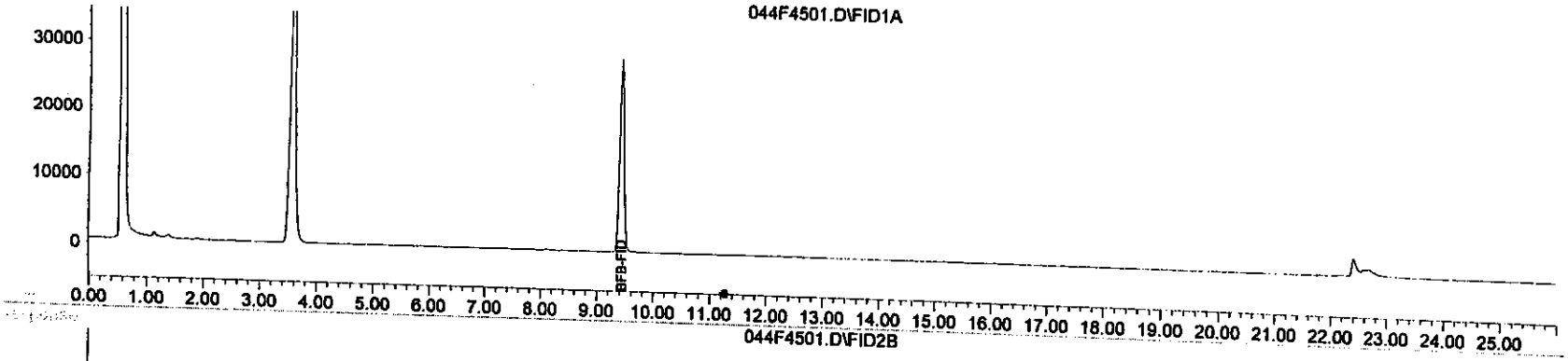
Operator: RG
Inst : HP5890
Multiplr: 1.00

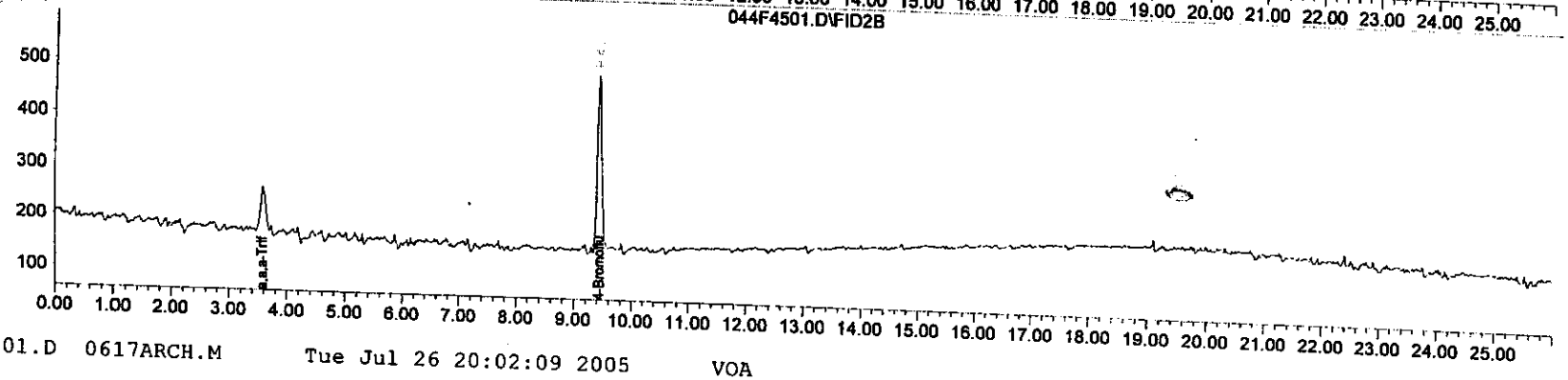
Quant Time: Jul 25 10:25 19105 Quant Results File: 0617ARCH.RES

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 :



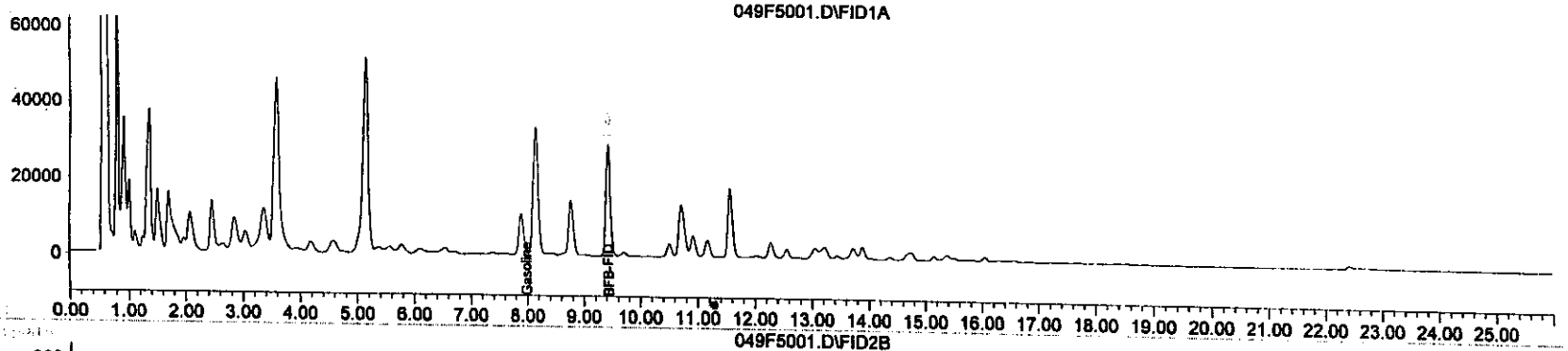


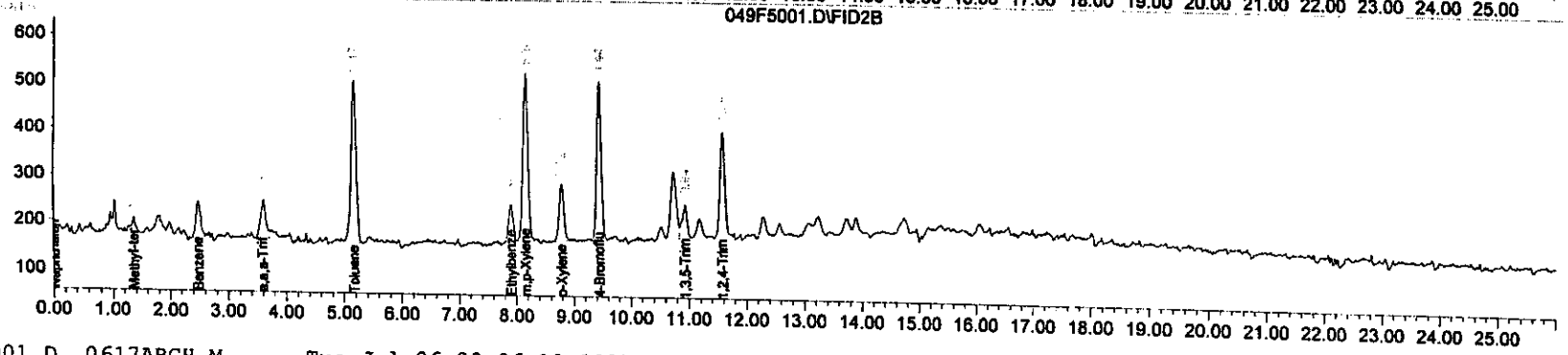
Acq On 23 Jul 2005, 18:22:37 Operator: RG
Sample GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID2B.CH Vial: 49
Acq On : 23-Jul-05, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:43 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\050F5101.D\FID1A.CH Vial: 50
Acq On : 23-Jul-2005, 18:54:58 Operator: RG
Sample : BTEX CCV Inst : HP5890
isc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID2B.CH Vial: 50
Acq On : 23-Jul-05, 18:54:58 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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			
I a,a,a-Trifluorotoluene IS	3.60	5367	100.000 ug/L
System Monitoring Compounds			
BFB-FID	9.44	1602621	102.615 ug/L
k Amount 100.000		Recovery =	102.62%
S 4-Bromofluorobenzene	9.44	18193	96.731 ug/L
ked Amount 100.000		Recovery =	96.73%
Target Compounds			
H T M Gasoline	8.00	18667221	649.207 ug/L
T Methyl-tert-butyl ether	1.35	1879	43.241 ug/L
T M Benzene	2.48	11037	53.700 ug/L
T M Toluene	5.17	13425	49.654 ug/L
T M Ethylbenzene	7.91	13261	49.913 ug/L
T M m,p-Xylene	8.17	36088	104.277 ug/L
T M o-Xylene	8.79	16004	56.320 ug/L
T 1,3,5-Trimethylbenzene	10.94	23997	53.213 ug/L
T 1,2,4-Trimethylbenzene	11.59	19169	57.186 ug/L
T Naphthalene	16.07	10502	59.450 ug/L

Acq On : 23-Jul-2005, 18:54:58
Sample : [illegible] CCV
Misc :
IntFile : AUTOINT1.E

Operator: RG
Inst : HP5890
Multiplr: 1.00

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\050F5101.D\FID2B.CH Vial: 50
Acq On : 23-Jul-05, 18:54:58
Sample : BTEX CCV
Misc :
IntFile : AUTOINT2.E

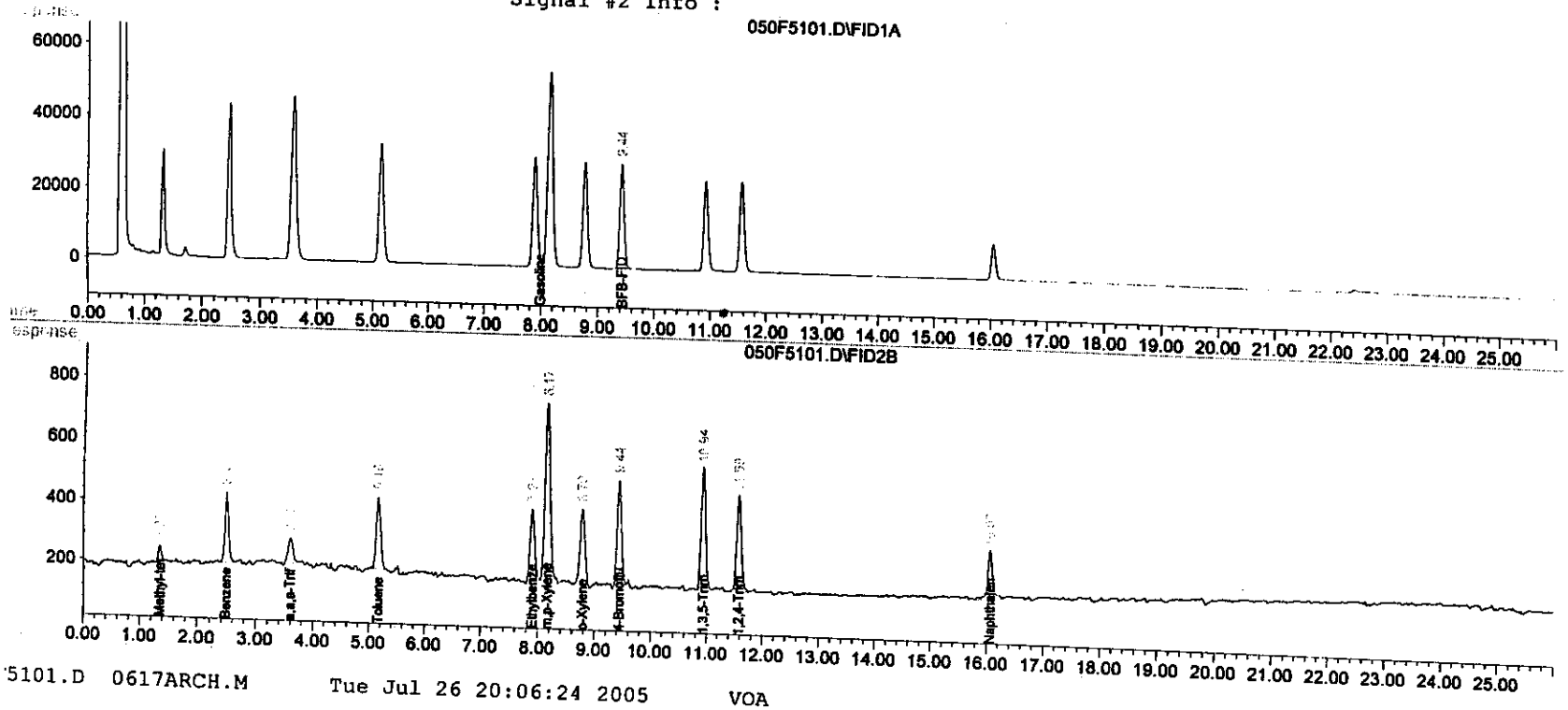
Operator: RG
Inst : HP5890
Multiplr: 1.00

Quant Time: Jul 25 10:25 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 :



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July 27, 2005

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Dear Mr. Martinez:

Enclosed are analytical results for samples submitted to Pace Analytical by AGES. The samples were received on July 14, 2005. Please reference Pace project number 05-1678 when inquiring about this report.

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Pace Sample Identification	Client Sample Identification
507-0663	PD-31-SW-9
0507-0664	PD-31-SW-C
0507-0665	PD-30-SW-10

Pace Sample Identification	Client Sample Identification
0507-0666	EB
0507-0667	FB
0507-0668	TB

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

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1678**
Lab Sample ID: **0507-0663**
Client Sample ID: **PD-31-SW-9**
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015[1]	11	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]	42	10	mg/L	RGG	07/25/2005	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	7.3	0.50	mg/L	RGG	07/25/2005	0002150-1	<0.0050
Ethylbenzene	8021B[1]	2.1	0.50	mg/L	RGG	07/25/2005	0002150-1	<0.0050
Toluene	8021B[1]	1.8	0.10	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B[1]	4.5	1.0	mg/L	RGG	07/25/2005	0002150-1	<0.010
o-Xylene	8021B[1]	3.6	0.10	mg/L	RGG	07/23/2005	0002150-1	<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
QUIMICO LICENCIADO

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1678**
Lab Sample ID: **0507-0664**
Client Sample ID: **PD-31-SW-C**
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	8.1	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)	41	10	mg/L	RGG	07/25/2005	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	6.3	0.50	mg/L	RGG	07/25/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	3.7	0.10	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	1.6	0.10	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	7.8	0.20	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	2.8	0.10	mg/L	RGG	07/23/2005	0002150-1	<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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REPORT OF LABORATORY ANALYSIS
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Mr. Dario Martinez
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Dorado, PR 00646-1054

Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1678**
Lab Sample ID: **0507-0665**
Client Sample ID: **PD-30-SW-10**
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015[1]	32	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]	60	2.0	mg/L	RGG	07/23/2005	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	3.3	0.10	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B[1]	3.2	0.10	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B[1]	7.7	0.25	mg/L	RGG	07/25/2005	0002150-1	<0.0050
m,p-Xylene	8021B[1]	7.9	0.50	mg/L	RGG	07/25/2005	0002150-1	<0.010
o-Xylene	8021B[1]	4.0	0.10	mg/L	RGG	07/23/2005	0002150-1	<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. Dario Martinez
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Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1678
Lab Sample ID: 0507-0666
Client Sample ID: EB
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

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	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/21/2005	0002049-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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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Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: 05-1678
Lab Sample ID: 0507-0667
Client Sample ID: FB
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

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	0002049-1	<0.50
Oil Range Organics (ORO)	Mod 8015[1]	<5.0	5.0	mg/L	KIS	07/21/2005	0002049-1	<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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B[1]	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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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Client Site: Corco Main Site # 1
Client Ref.: CORCO

Lab Project ID: **05-1678**
Lab Sample ID: **0507-0668**
Client Sample ID: **TB**
Sample Matrix: Aqueous

Date Sampled: 07/14/2005
Date Received: 07/14/2005

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	0002151-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Ethylbenzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
Toluene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<0.0050
m,p-Xylene	8021B[1]	<0.010	0.010	mg/L	RGG	07/23/2005	0002150-1	<0.010
o-Xylene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/23/2005	0002150-1	<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.

Approved by: _____ Date: 07/27/05

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Lic. Sandra Y. Laboy Olivieri
Lic.# 4122
A 1032827
QUIMICO LICENCIADO

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

907745

Section A Required Client Information:

Company: ACES INC
Address: PO Box 1054
Email To: [illegible]
Phone: [illegible] Fax: [illegible]
Requested Due Date/TAT:

Section B Required Project Information:

Report To: ACES
Copy To:
Purchase Order No.:
Project Name: Cuyo Main Site #1
Project Number:

Section C Invoice Information:

Attention: ACES
Company Name: ACES
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: NPDES / GROUND WATER / DRINKING WATER / UST / RCRA / Other

SITE LOCATION: GA / IL / IN / MI / MN / NC / OH / SC / WI / OTHER PR

Section D Required Client Information

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: GRO	DRO	VOC	BTEX	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	PP-31-SW-9	WT	C			7/14/05	8:40		4	X			X						X	X	X	X		0663
2	PP-31-SW-C						8:45																	0664
3	PP-30-SW-1C						9:30																	0665
4	EB						8:00																	0666
5	FB						9:35																	0667
6	TB						9:46		3				X						X		X			0668
7																								
8																								
9																								
10																								
11																								
12																								

Additional Comments: No Sud Cu Chromatograms A/OC, calibration Curves

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] / ACES	7/14/05	12:40	[signature] / Pace	7/14/05	12:40
	7/14/05	1:02	[signature] / Pace	7/14/05	1302

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joaquin A. Vazquez

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical

PACE ANALYTICAL DEL CARIBE

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

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

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	

RP 7/27/05

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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

RD 7/25/05

#	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: 034F3501.D

	Spike Sample	Spike Duplicate Sample
File ID :	035F3601.D	036F3701.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	23-Jul-2005, 10:50:10	23-Jul-2005, 11:22:33

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Gasoline	0.0	1650	1454	1534	88	93	5	20	70-130
Benzene	0.0	23	28	29	124	126	2	20	70-130
Toluene	0.0	123	131	159	106	129	19	20	70-130
Ethylbenzene	0.0	29	28	33	96	111	14	20	70-130
m,p-Xylene	0.0	103	108	117	105	114	9	20	70-130
o-Xylene	0.0	42	46	51	110	122	10	20	70-130

- Fails Limit Check

0617ARCH.M Mon Jul 25 10:12:30 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%
1 S 4-Bromofluorobenzene	9.44	19709	96.278 ug/L
S ed 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

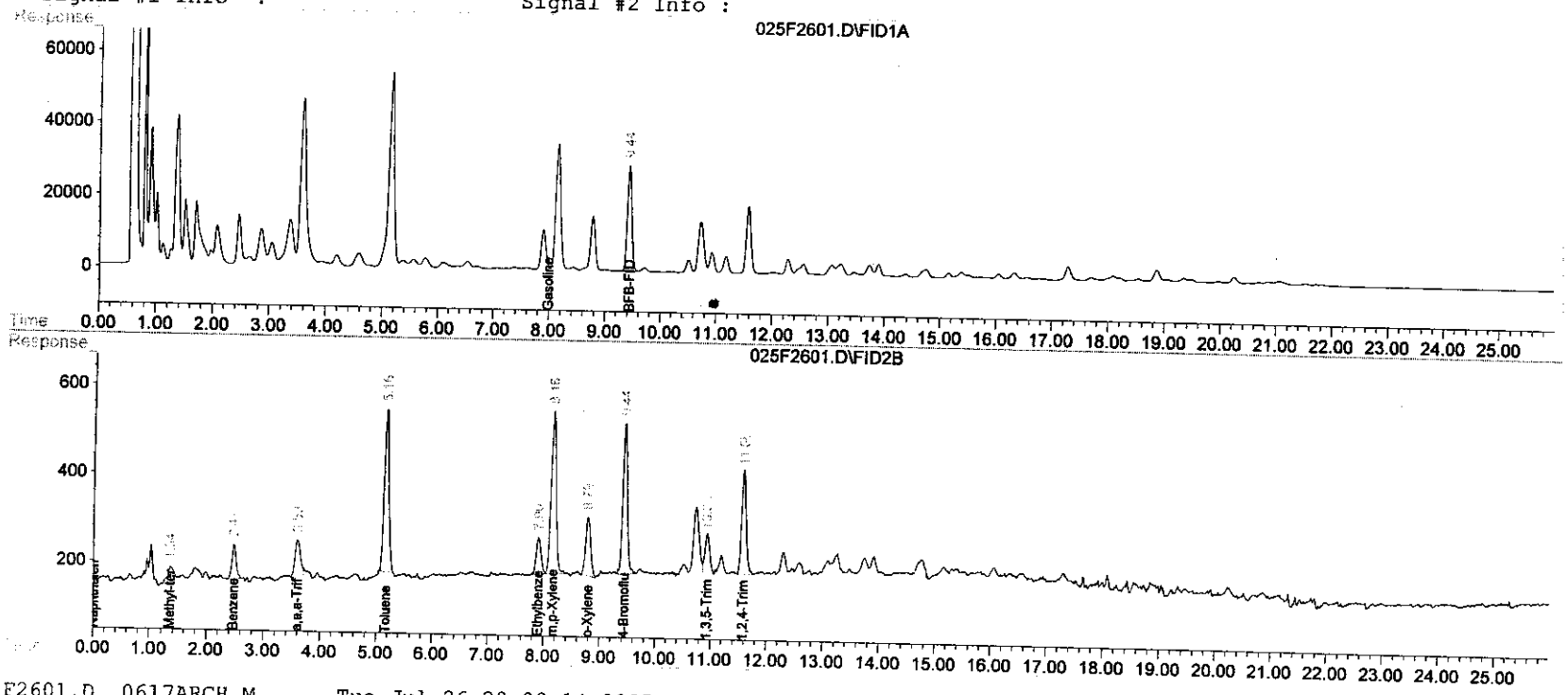
Quantitation Report

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\025F .D\FID1A.CH Vial: 25
Acq On : 23-Jul-2005, 05:29:06 Ope. r: 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%
1 S 4-Bromofluorobenzene	9.44	18400	96.202 ug/L
S ed 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

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

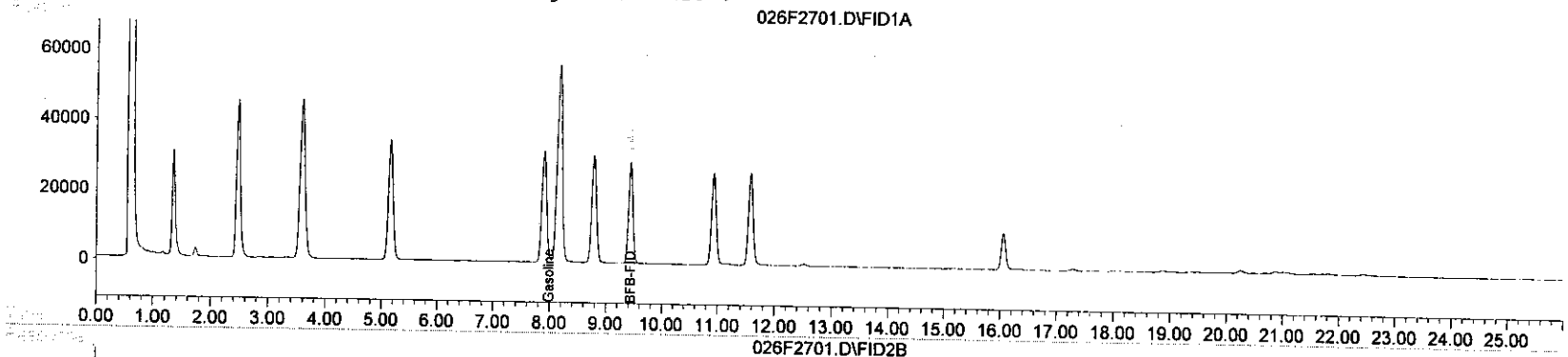
Quantitation Report

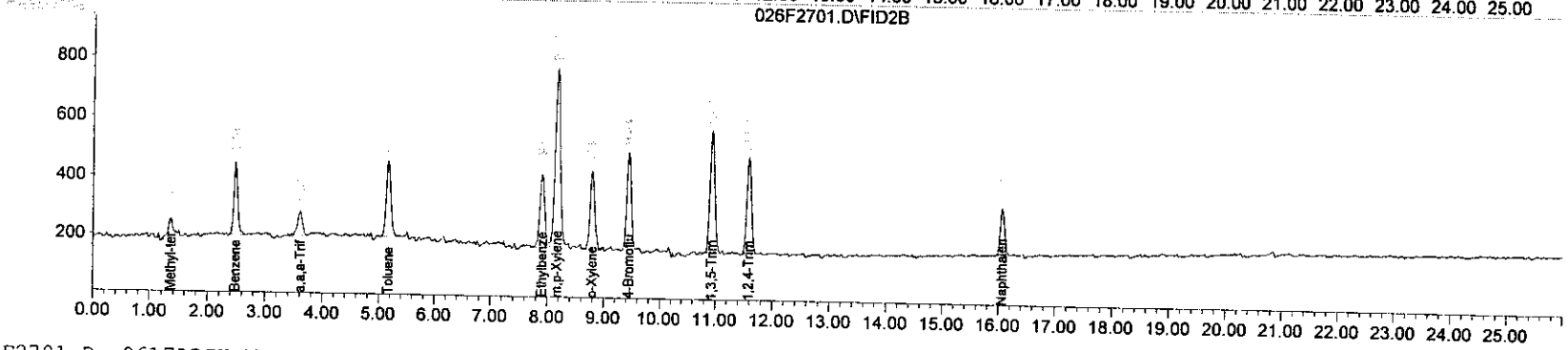
Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\026F D\FID1A.CH Vial: 26
Acq On : 23-Jul-2005, 06:01:12 Oper : RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

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\034F3501.D\FID1A.CH Vial: 34
Acq On : 23-Jul-2005, 10:18:32 Operator: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F3501.D\FID2B.CH Vial: 34
Acq On : 23-Jul-05, 10:18:32 Operator: RG
Sample : MB Aq,,,1 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	3.58	5747	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1603244	102.655 ug/L
Spiked Amount 100.000		Recovery =	102.66%
11) S 4-Bromofluorobenzene	9.45	19270	95.671 ug/L
Spiked Amount 100.000		Recovery =	95.67%
Target Compounds			
1) H T M Gasoline	8.00	3166977	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

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

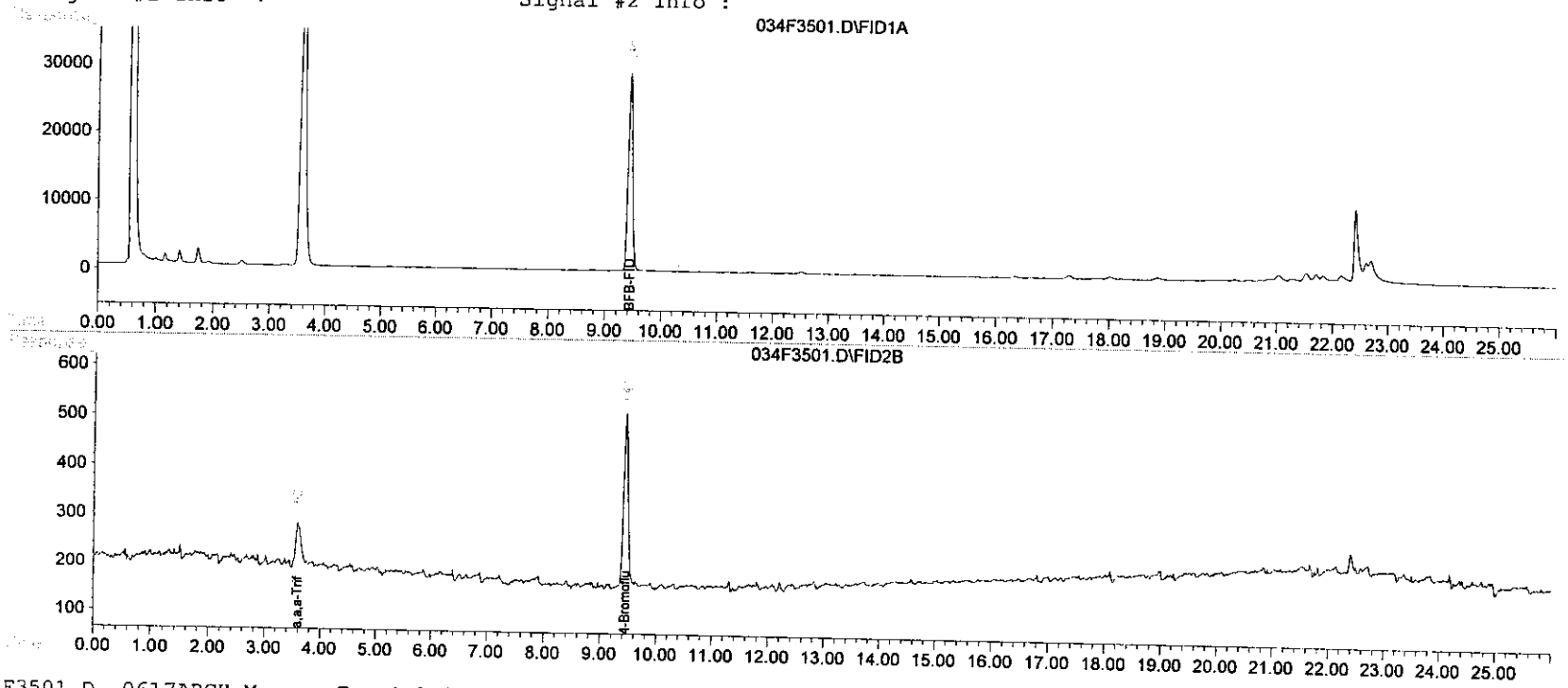
Quantitation Report

Data Fi : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F^ ^1.D\FID1A.CH Vial: 34
Acq On : 23-Jul-2005, 10:18:32 Ope. or: RG
Sample : MB Aq,,,1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\034F3501.D\FID2B.CH Vial: 34
Acq On : 23-Jul-05, 10:18:32 Operator: RG
Sample : MB Aq,,,1 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\035F3601.D\FID1A.CH Vial: 35
Acq On : 23-Jul-2005, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID2B.CH Vial: 35
Acq On : 23-Jul-05, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	5367	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1683210	107.788 ug/L
Spiked Amount 100.000		Recovery =	107.79%
11) S 4-Bromofluorobenzene	9.44	19154	101.827 ug/L
Spiked Amount 100.000		Recovery =	101.83%
Target Compounds			
1) H T M Gasoline	8.00	37795877	1454.170 ug/L
5) T Methyl-tert-butyl ether	1.35	1329	30.435 ug/L
6) T M Benzene	2.48	5652	28.215 ug/L
7) T M Toluene	5.17	35026	131.129 ug/L
8) T M Ethylbenzene	7.90	7801	28.337 ug/L
9) T M m,p-Xylene	8.16	37219	107.607 ug/L
10) T M o-Xylene	8.79	13048	45.736 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9433	20.915 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	23162	69.323 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

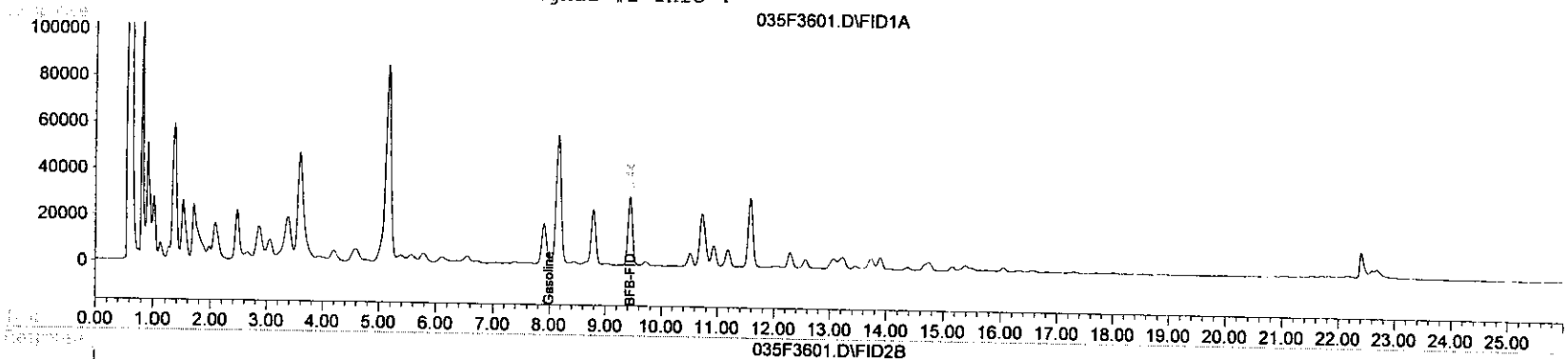
Quantitation Report

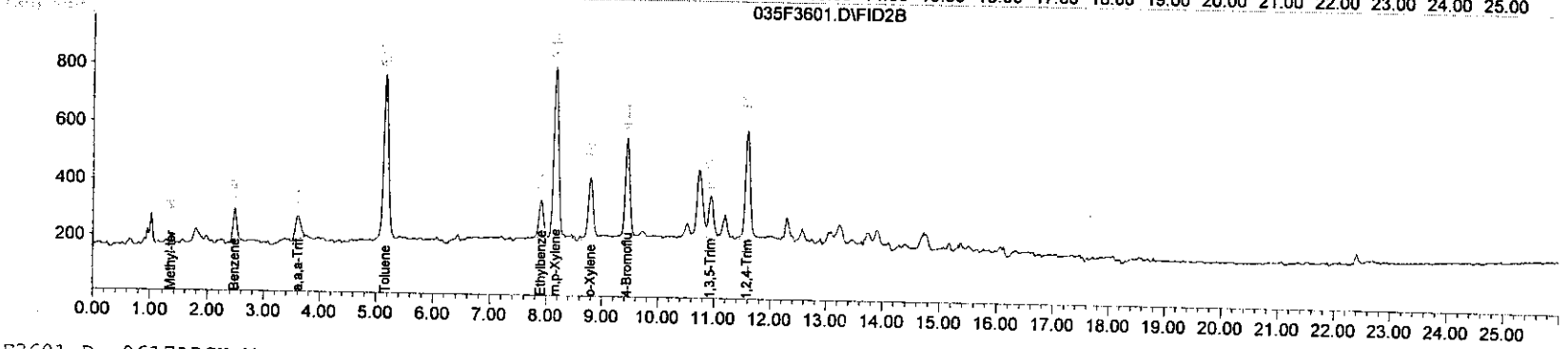
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID1A.CH Vial: 35
Acq On : 23-Jul-2005, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\035F3601.D\FID2B.CH Vial: 35
Acq On : 23-Jul-05, 10:50:10 Operator: RG
Sample : LCS Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID1A.CH Vial: 36
Acq On : 23-Jul-2005, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID2B.CH Vial: 36
Acq On : 23-Jul-05, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.62	5258	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1668309	106.832 ug/L
Spiked Amount 100.000		Recovery =	106.83%
11) S 4-Bromofluorobenzene	9.44	19031	103.274 ug/L
ed Amount 100.000		Recovery =	103.27%
Target Compounds			
1) H T M Gasoline	8.00	39695623	1534.115 ug/L
5) T Methyl-tert-butyl ether	1.34	1951	45.852 ug/L
6) T M Benzene	2.48	5627	28.647 ug/L
7) T M Toluene	5.17	41510	158.848 ug/L
8) T M Ethylbenzene	7.91	8689	32.558 ug/L
9) T M m,p-Xylene	8.16	39623	117.164 ug/L
10) T M o-Xylene	8.79	14161	50.773 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	9595	21.716 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	25121	76.872 ug/L
14) T Naphthalene	16.07	2007	14.731 ug/L

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

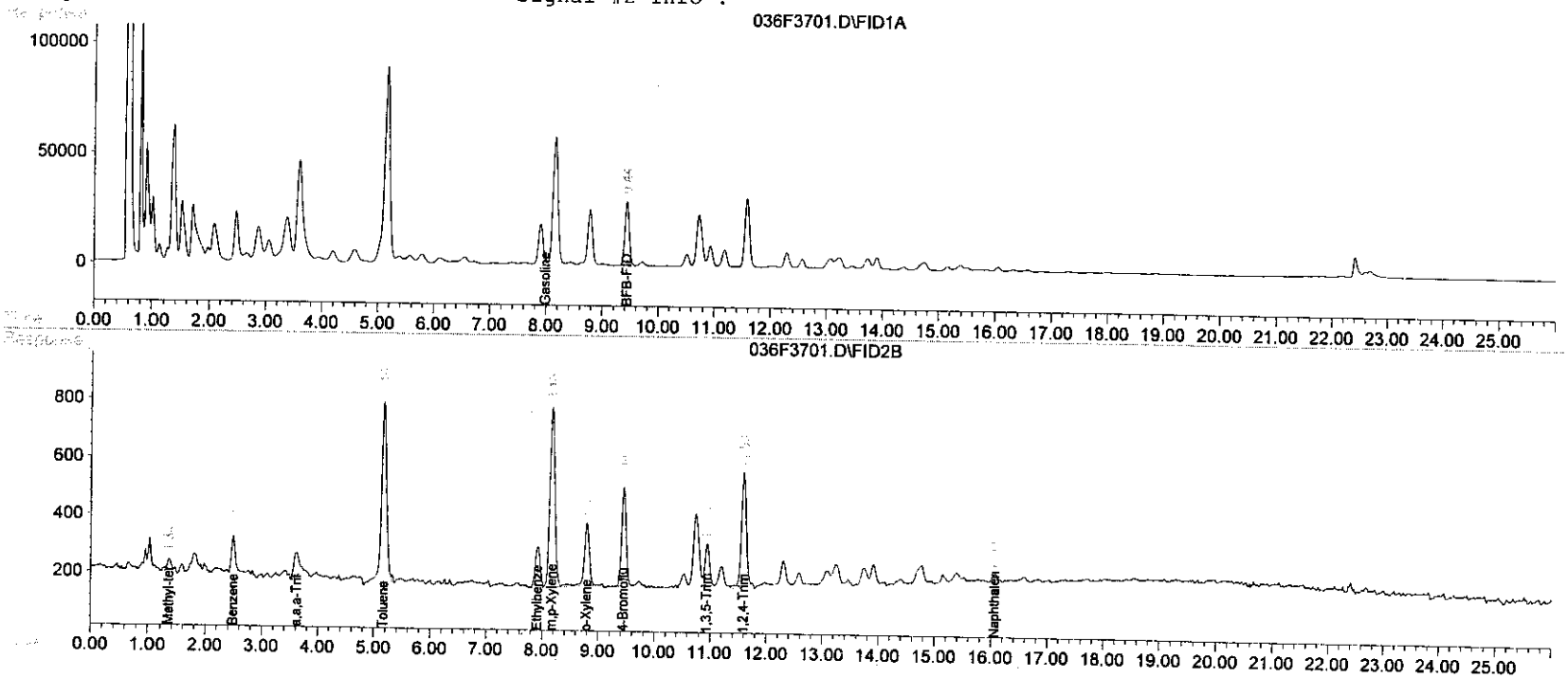
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3 .D\FID1A.CH Vial: 36
Acq On : 23-Jul-2005, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\036F3701.D\FID2B.CH Vial: 36
Acq On : 23-Jul-05, 11:22:33 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



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%
11) S 4-Bromofluorobenzene	9.45	18742	93.376 ug/L
S ed 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

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

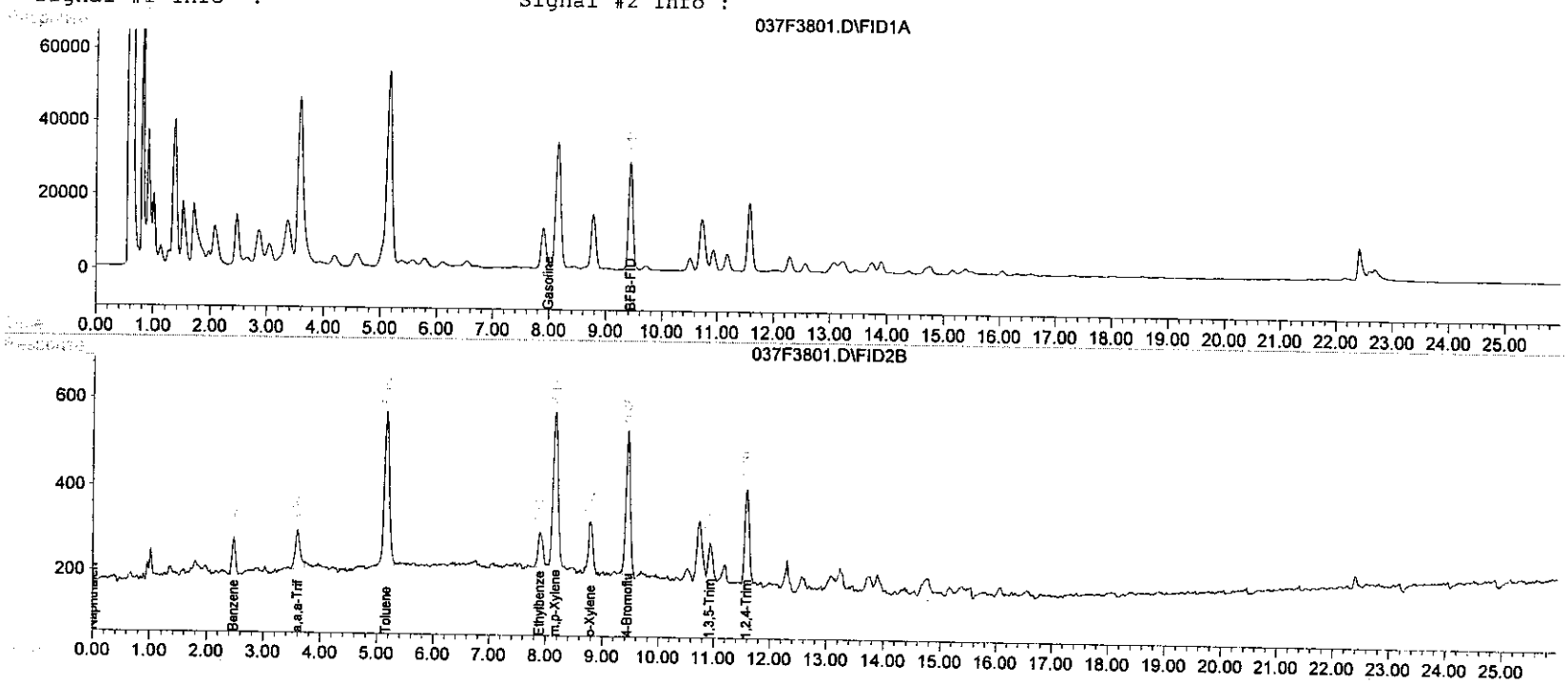
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\037F3[illegible].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%
11) S 4-Bromofluorobenzene	9.45	20031	101.717 ug/L
S ed 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

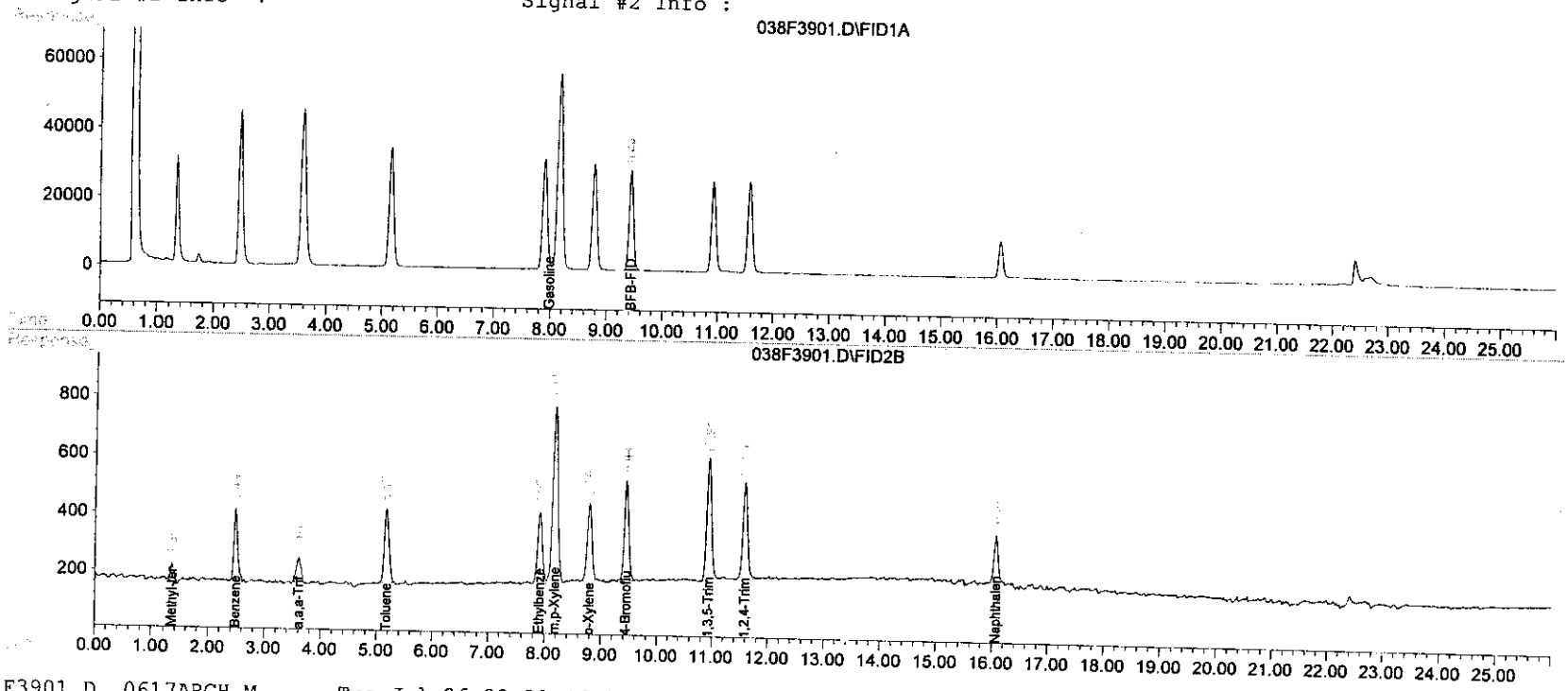
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\038F3 1.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 :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\045F4601.D\FID1A.CH Vial: 45
Acq On : 23-Jul-2005, 16:13:07 Operator: RG
Sample : 1678-0663,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\045F4601.D\FID2B.CH Vial: 45
Acq On : 23-Jul-05, 16:13:07 Operator: RG
Sample : 1678-0663,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:46 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

RR 100x G,B,E,m,

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5353	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1667789	106.798 ug/L
Spiked Amount 100.000		Recovery =	106.80%
11) S 4-Bromofluorobenzene	9.45	19575	104.338 ug/L
Spiked Amount 100.000		Recovery =	104.34%
Target Compounds			
1) H T M Gasoline	8.00	111070703	4537.689 ug/L — OR
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	142550	677.703 ug/L — OR
7) T M Toluene	5.17	24649	92.231 ug/L
8) T M Ethylbenzene	7.91	60694	237.901 ug/L — OR
9) T M m,p-Xylene	8.16	166899	492.779 ug/L — OR
10) T M o-Xylene	8.79	50291	179.460 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	46297	102.918 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	82919	251.760 ug/L
14) T Naphthalene	16.07	13353	74.709 ug/L

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

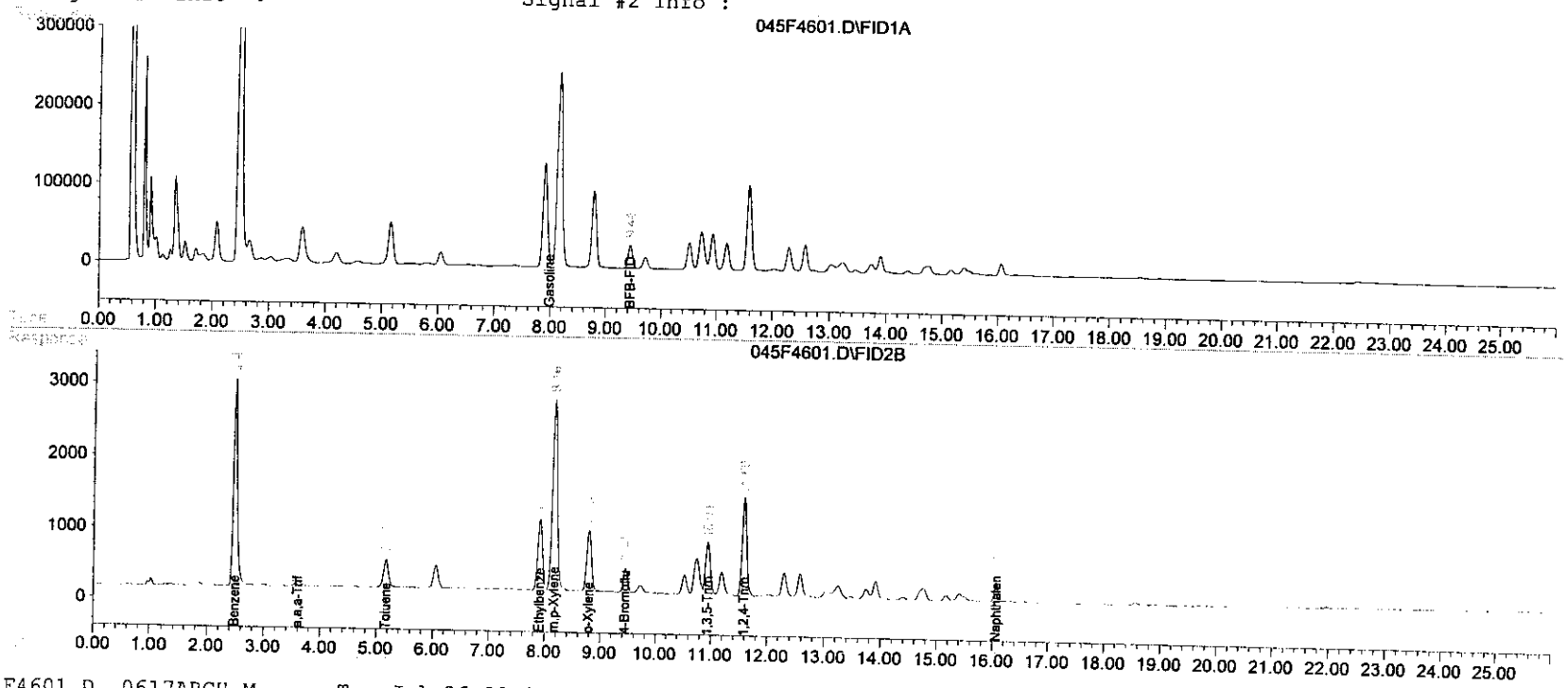
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\045F4601.D\FID1A.CH Vial: 45
Acq On : 23-Jul-2005, 16:13:07 Operator: RG
Sample : 1678-0663,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\045F4601.D\FID2B.CH Vial: 45
Acq On : 23-Jul-05, 16:13:07 Operator: RG
Sample : 1678-0663,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:46 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\046F4701.D\FID1A.CH Vial: 46
Acq On : 23-Jul-2005, 16:45:40 Operator: RG
Sample : 1678-0664,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\046F4701.D\FID2B.CH Vial: 46
Acq On : 23-Jul-05, 16:45:40 Operator: RG
Sample : 1678-0664,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 :

20X

RR 100x for G,B

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5422	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1653861	105.904 ug/L
Spiked Amount 100.000		Recovery =	105.90%
1[illegible] S 4-Bromofluorobenzene	9.44	19184	100.947 ug/L
S[illegible]ed Amount 100.000		Recovery =	100.95%
Target Compounds			
1) H T M Gasoline	8.00	88185476	3574.643 ug/L ——— OR
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	126934	595.935 ug/L ——— OR
7) T M Toluene	5.17	21370	78.797 ug/L ———
8) T M Ethylbenzene	7.91	48434	186.895 ug/L ———
9) T M m,p-Xylene	8.16	134064	390.247 ug/L ———
10) T M o-Xylene	8.79	40465	142.360 ug/L ———
12) T 1,3,5-Trimethylbenzene	10.93	35358	77.597 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	64640	193.494 ug/L
14) T Naphthalene	16.06	10121	56.887 ug/L

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

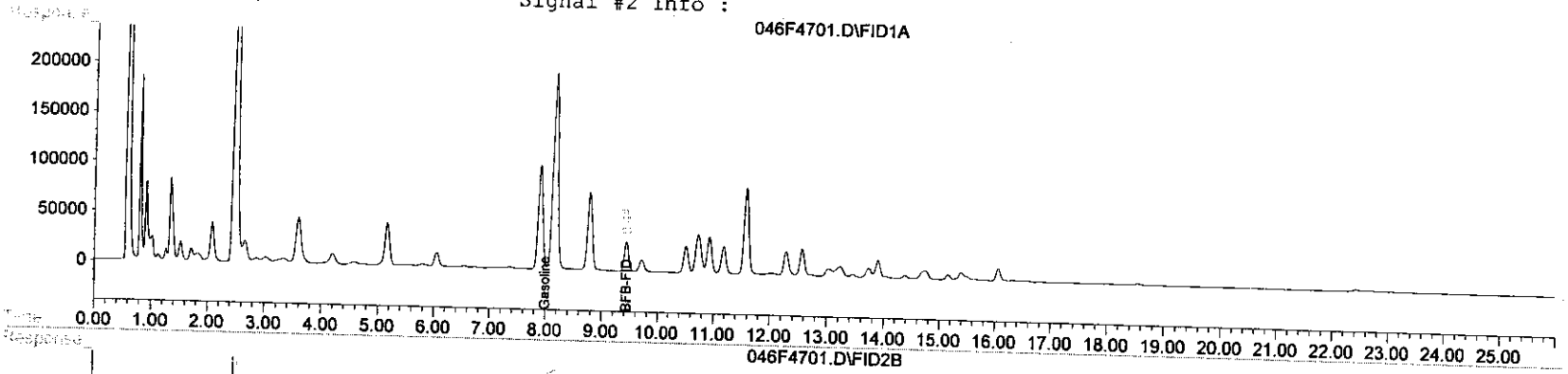
Quantitation Report

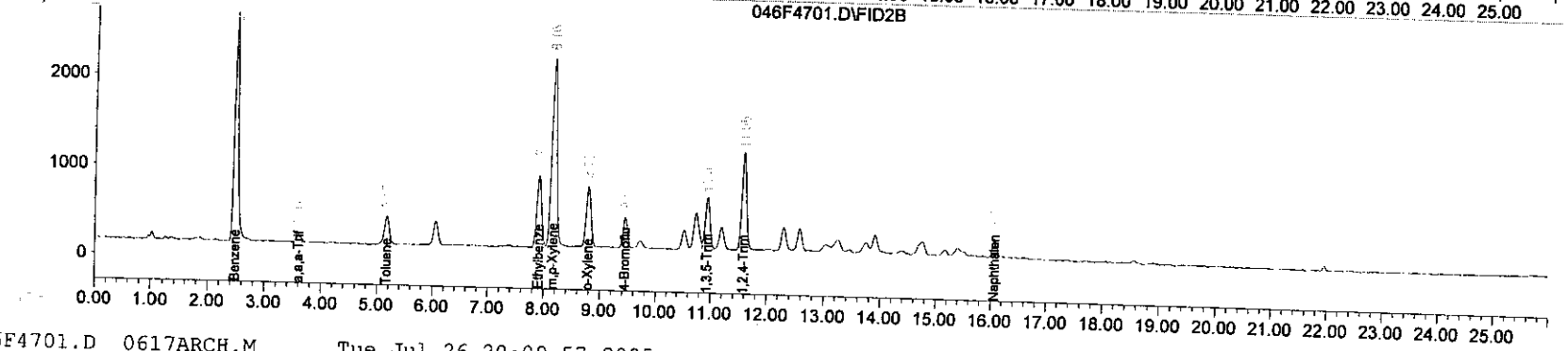
Data Fil : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\046F4701.D\FID1A.CH Vial: 46
Acq On : 23-Jul-2005, 16:45:40 Operator: RG
Sample : 1678-0664,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\046F4701.D\FID2B.CH Vial: 46
Acq On : 23-Jul-05, 16:45:40 Operator: RG
Sample : 1678-0664,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\047F4801.D\FID1A.CH Vial: 47
Acq On : 23-Jul-2005, 17:18:07 Operator: RG
Sample : 1678-0665,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\047F4801.D\FID2B.CH Vial: 47
Acq On : 23-Jul-05, 17:18:07 Operator: RG
Sample : 1678-0665,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:51 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

Compound	R.T.	Response	Conc Units	RR 50x Tmp
Internal Standards				
4) I a,a,a-Trifluorotoluene IS	3.60	5255	100.000 ug/L m	
System Monitoring Compounds				
2) S BFB-FID	9.44	1649218	105.606 ug/L	
Spiked Amount 100.000		Recovery =	105.61%	
11) S 4-Bromofluorobenzene	9.45	20199	109.683 ug/L	
Spiked Amount 100.000		Recovery =	109.68%	
Target Compounds				
1) H T M Gasoline	8.00	73989103	2977.237 ug/L	
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L	
6) T M Benzene	2.49	34244	166.971 ug/L	
7) T M Toluene	5.17	107917	414.832 ug/L	OR
8) T M Ethylbenzene	7.91	39852	158.319 ug/L	
9) T M m,p-Xylene	8.17	142561	428.490 ug/L	OR
10) T M o-Xylene	8.79	54408	197.898 ug/L	
12) T 1,3,5-Trimethylbenzene	10.94	25932	58.728 ug/L	
13) T 1,2,4-Trimethylbenzene	11.59	69806	215.765 ug/L	
14) T Naphthalene	16.07	8019	47.219 ug/L	

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

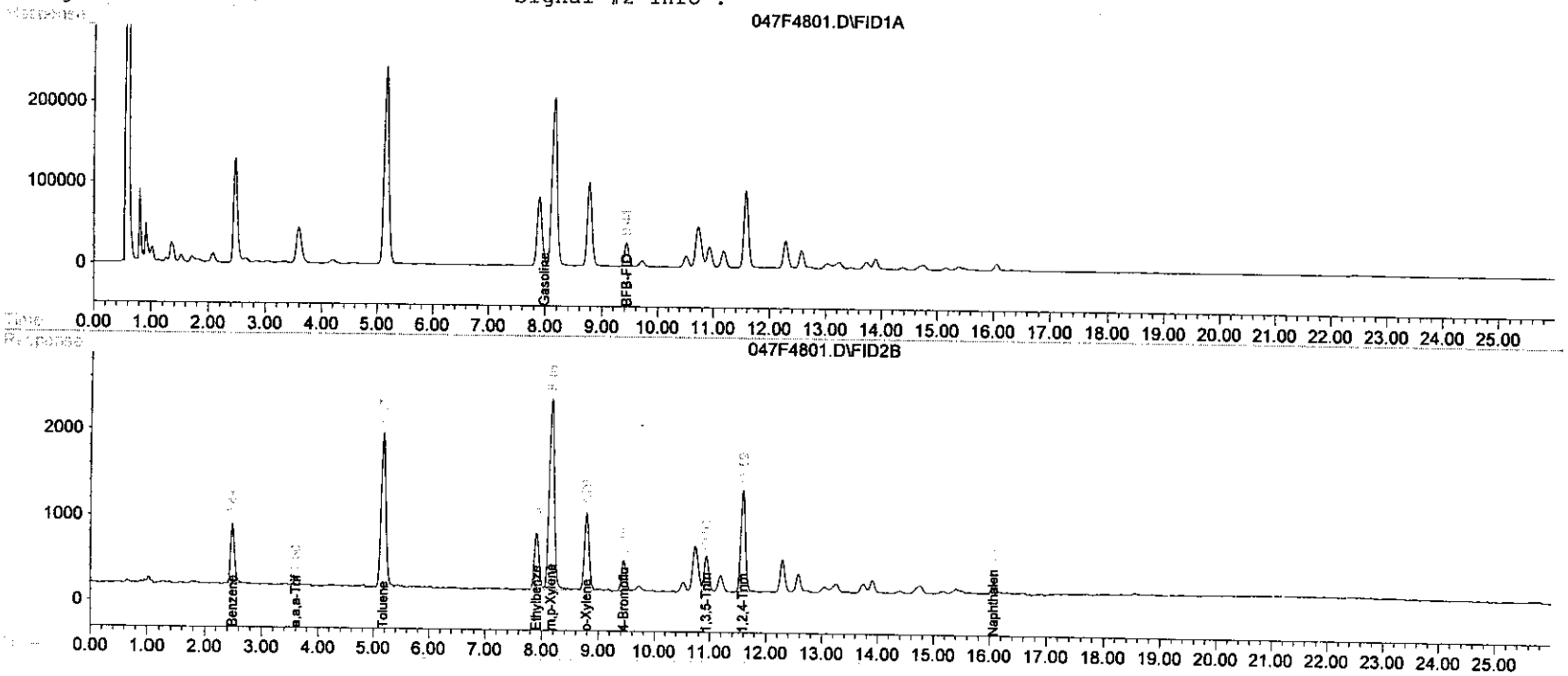
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\047F48 D\FID1A.CH Vial: 47
Acq On : 23-Jul-2005, 17:18:07 Operator: RG
Sample : 1678-0665,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\047F4801.D\FID2B.CH Vial: 47
Acq On : 23-Jul-05, 17:18:07 Operator: RG
Sample : 1678-0665,,20, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:51 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\048F4901.D\FID1A.CH Vial: 48
Acq On : 23-Jul-2005, 17:49:51 Operator: RG
Sample : 1678-0666,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\048F4901.D\FID2B.CH Vial: 48
Acq On : 23-Jul-05, 17:49:51 Operator: RG
Sample : 1678-0666,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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	3.60	5078	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1608025	102.962 ug/L
Spiked Amount 100.000		Recovery =	102.96%
3 S 4-Bromofluorobenzene	9.44	19033	106.941 ug/L
Spiked Amount 100.000		Recovery =	106.94%
Target Compounds			
1) H T M Gasoline	8.00	3392473	6.422 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	11.62	1185	2.677 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

Quantitation Report

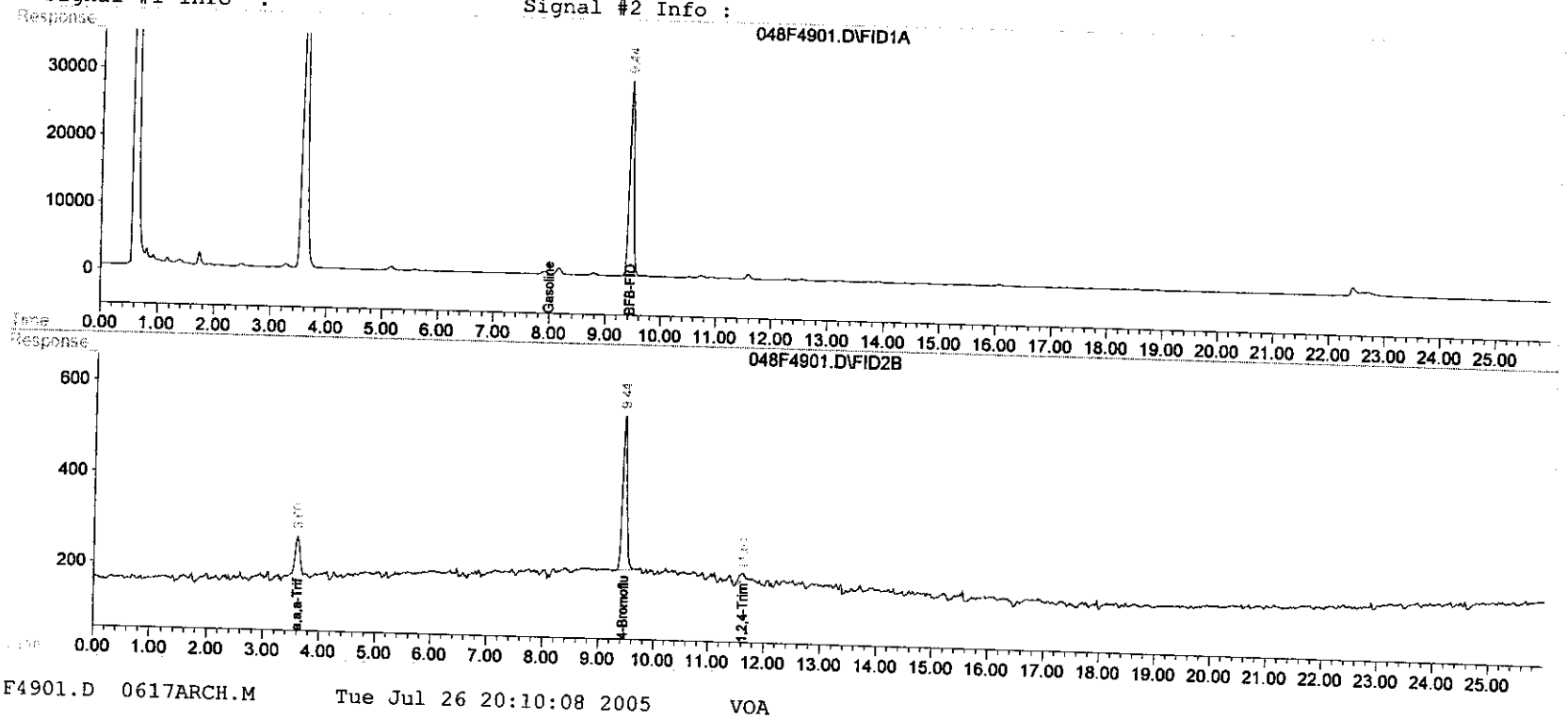
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\048F4901.D\FID1A.CH Vial: 48
Acq On : 23-Jul-2005, 17:49:51 Operator: RG
Sample : 1678-0666,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\048F4901.D\FID2B.CH Vial: 48
Acq On : 23-Jul-05, 17:49:51 Operator: RG
Sample : 1678-0666,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID1A.CH Vial: 49
Acq On : 23-Jul-2005, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID2B.CH Vial: 49
Acq On : 23-Jul-05, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:43 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	5440	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1637184	104.834 ug/L
Spiked Amount 100.000		Recovery =	104.83%
11) S 4-Bromofluorobenzene	9.45	18509	97.081 ug/L
Spiked Amount 100.000		Recovery =	97.08%
Target Compounds			
1) H T M Gasoline	8.00	23966564	872.212 ug/L
5) T Methyl-tert-butyl ether	1.37	911	20.619 ug/L
6) T M Benzene	2.48	4277	21.437 ug/L
7) T M Toluene	5.17	21290	78.242 ug/L
8) T M Ethylbenzene	7.91	4354	14.489 ug/L
9) T M m,p-Xylene	8.16	22049	61.832 ug/L
10) T M o-Xylene	8.79	6986	23.715 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	4234	9.261 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13614	39.726 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

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

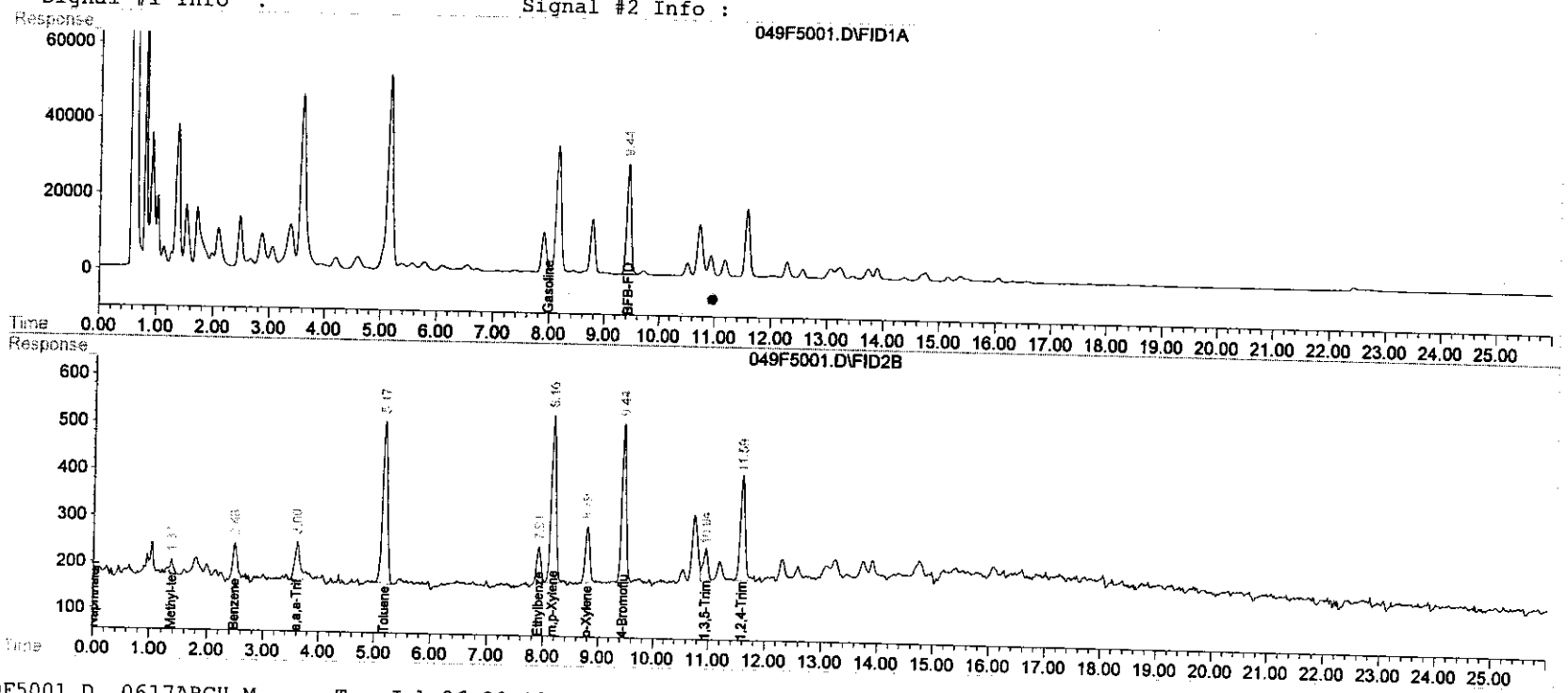
Quantitation Report

Data Fil: O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5 1.D\FID1A.CH Vial: 49
Acq On 23-Jul-2005, 18:22:37 Oper or: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\049F5001.D\FID2B.CH Vial: 49
Acq On : 23-Jul-05, 18:22:37 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:43 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 :



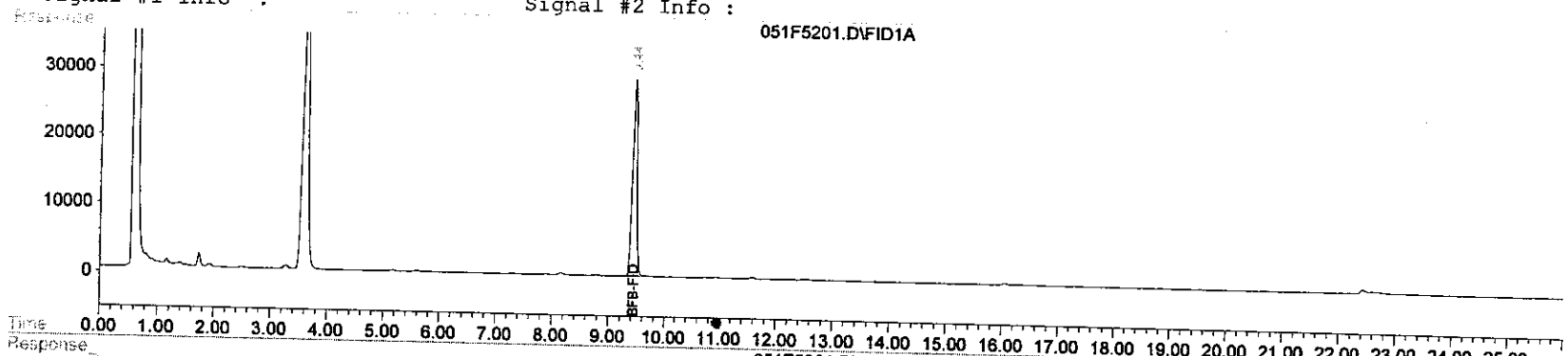
Quantitation Report

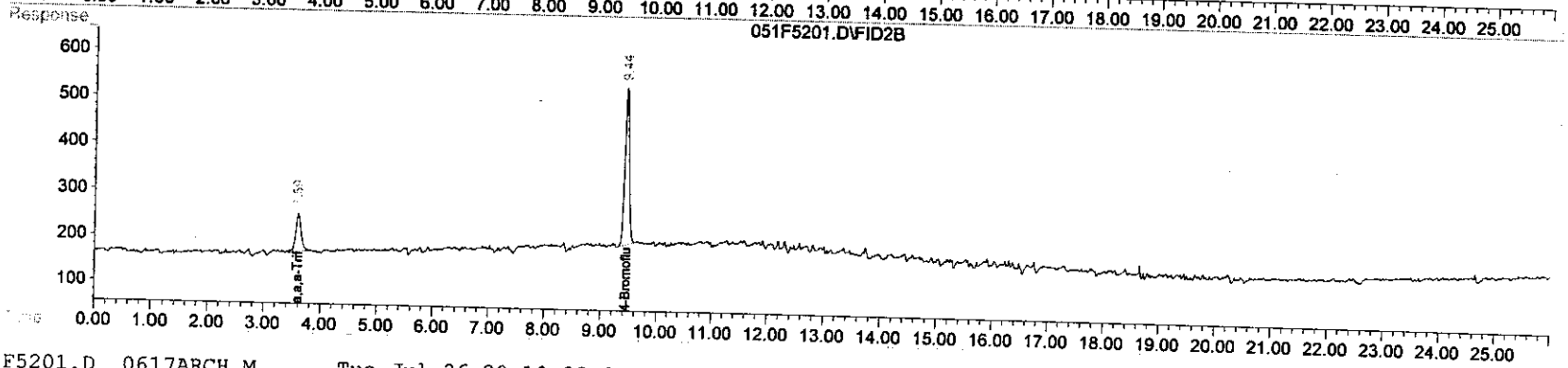
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\051F5201.D\FID1A.CH Vial: 51
Acq On : 23-Jul-2005, 19:27:22 Operator: RG
Sample : 1678-0667,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\051F5201.D\FID2B.CH Vial: 51
Acq On : 23-Jul-05, 19:27:22 Operator: RG
Sample : 1678-0667,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:25 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 #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\052F5301.D\FID1A.CH Vial: 52
Acq On : 23-Jul-2005, 19:59:42 Operator: RG
Sample : 1678-0668,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\052F5301.D\FID2B.CH Vial: 52
Acq On : 23-Jul-05, 19:59:42 Operator: RG
Sample : 1678-0668,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:54 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	5305	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1570567	100.557 ug/L
Spiked Amount 100.000		Recovery =	100.56%
1'' S 4-Bromofluorobenzene	9.45	18307	98.470 ug/L
S ed Amount 100.000		Recovery =	98.47%
Target Compounds			
1) H T M Gasoline	8.00	3029775	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

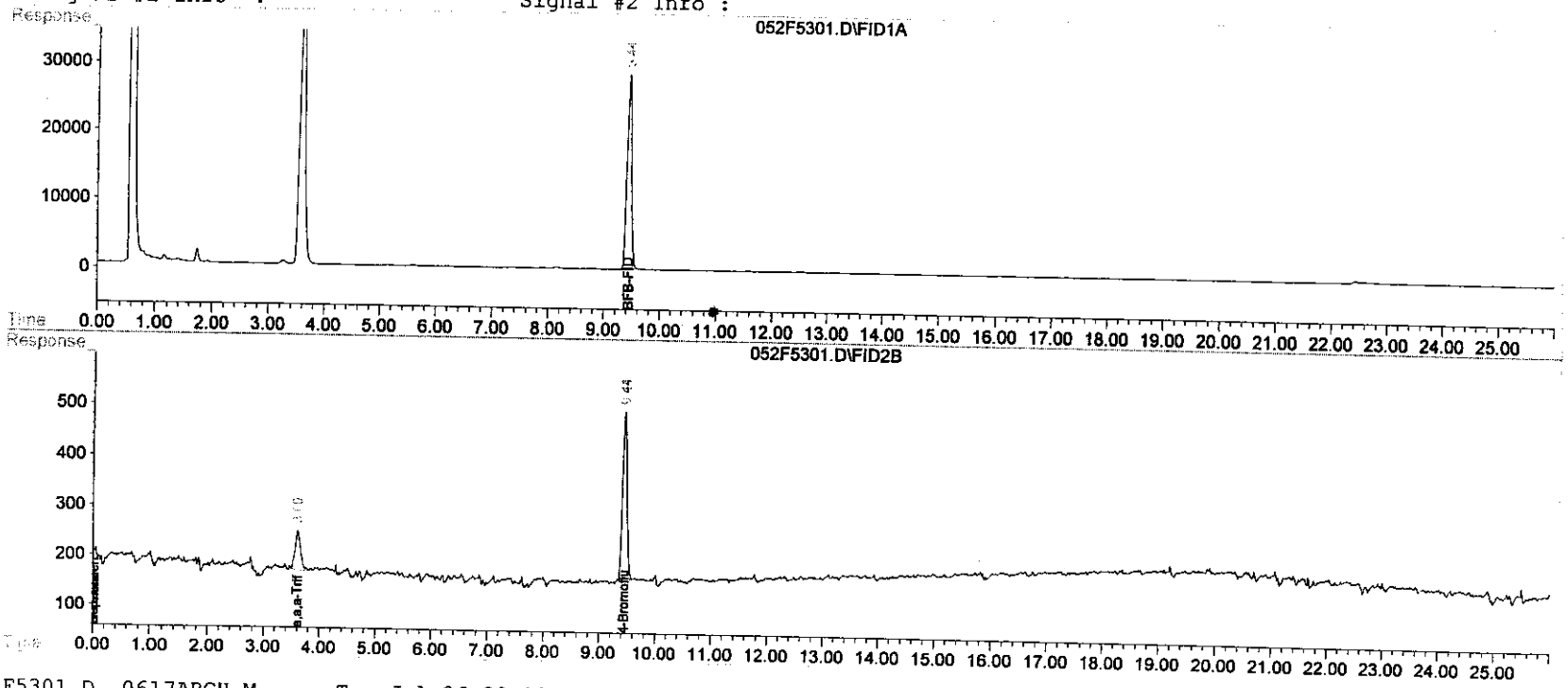
Quantitation Report

Data File O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\052F5 .D\FID1A.CH Vial: 52
Acq On 23-Jul-2005, 19:59:42 Oper r: RG
Sample : 1678-0668,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\052F5301.D\FID2B.CH Vial: 52
Acq On : 23-Jul-05, 19:59:42 Operator: RG
Sample : 1678-0668,,, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 11:54 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\061F6201.D\FID1A.CH Vial: 61
Acq On : 24-Jul-2005, 00:49:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\061F6201.D\FID2B.CH Vial: 61
Acq On : 24-Jul-05, 00:49:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:44 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	5775	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.43	1638972	104.948 ug/L
Spiked Amount 100.000		Recovery =	104.95%
1) S 4-Bromofluorobenzene	9.44	18586	91.839 ug/L
Spiked Amount 100.000		Recovery =	91.84%
Target Compounds			
1) H T M Gasoline	8.00	24099680	877.813 ug/L
5) T Methyl-tert-butyl ether	1.34	374	7.600 ug/L
6) T M Benzene	2.47	3900	18.625 ug/L
7) T M Toluene	5.16	22177	76.760 ug/L
8) T M Ethylbenzene	7.90	4584	14.353 ug/L
9) T M m,p-Xylene	8.16	22321	58.850 ug/L
10) T M o-Xylene	8.79	6973	22.242 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	5525	11.386 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	13536	37.139 ug/L
14) T Naphthalene	0.00	0	3.895 ug/L

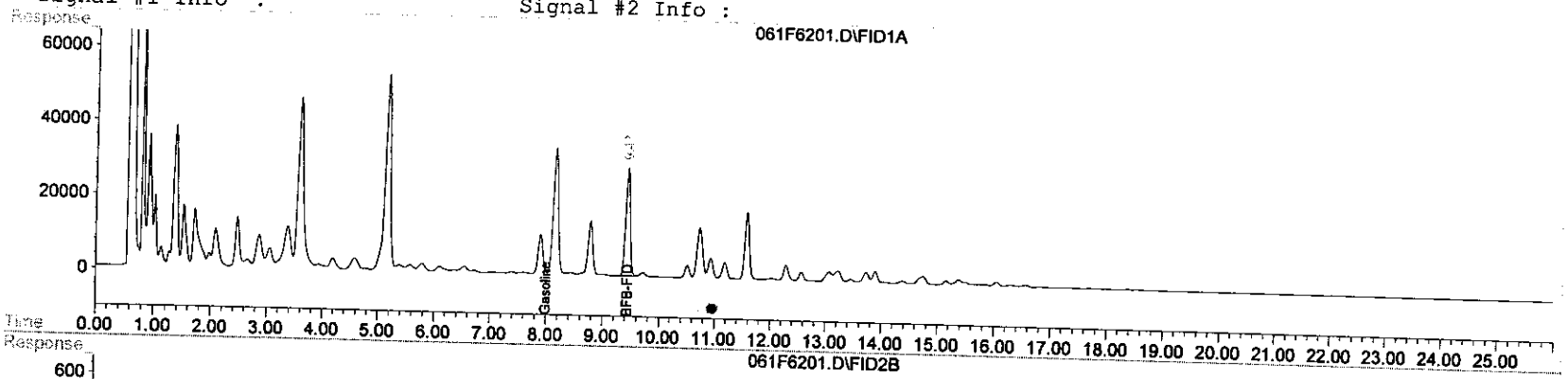
Quantitation Report

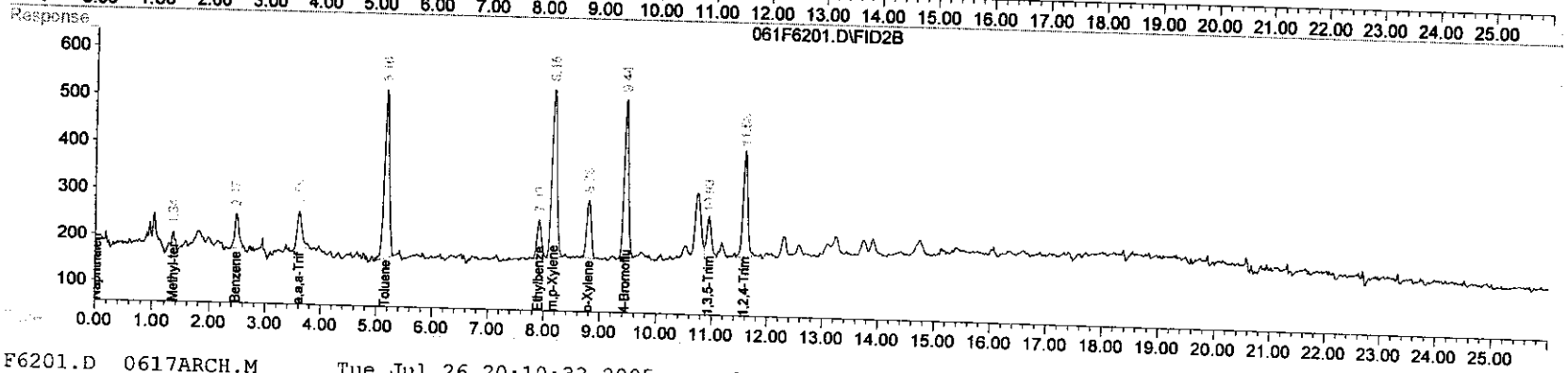
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\061F6201.D\FID1A.CH Vial: 61
Acq On : 24-Jul-2005, 00:49:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\061F6201.D\FID2B.CH Vial: 61
Acq On : 24-Jul-05, 00:49:14 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:44 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\062F6301.D\FID1A.CH Vial: 62
Acq On : 24-Jul-2005, 01:21:20 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\062F6301.D\FID2B.CH Vial: 62
Acq On : 24-Jul-05, 01:21:20 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:55 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	5588	100.000 ug/L m
System Monitoring Compounds			
2) S BFB-FID	9.44	1596641	102.231 ug/L
Spiked Amount 100.000		Recovery =	102.23%
1'` S 4-Bromofluorobenzene	9.44	19147	97.766 ug/L
S .ed Amount 100.000		Recovery =	97.77%
Target Compounds			
1) H T M Gasoline	8.00	19347530	677.835 ug/L
5) T Methyl-tert-butyl ether	1.34	1834	40.483 ug/L
6) T M Benzene	2.48	11386	53.217 ug/L
7) T M Toluene	5.17	15256	54.281 ug/L
8) T M Ethylbenzene	7.91	15108	54.840 ug/L
9) T M m,p-Xylene	8.17	38536	107.000 ug/L
10) T M o-Xylene	8.79	15544	52.468 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	24431	52.027 ug/L
13) T 1,2,4-Trimethylbenzene	11.58	19901	57.011 ug/L
14) T Naphthalene	16.06	9841	53.892 ug/L

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

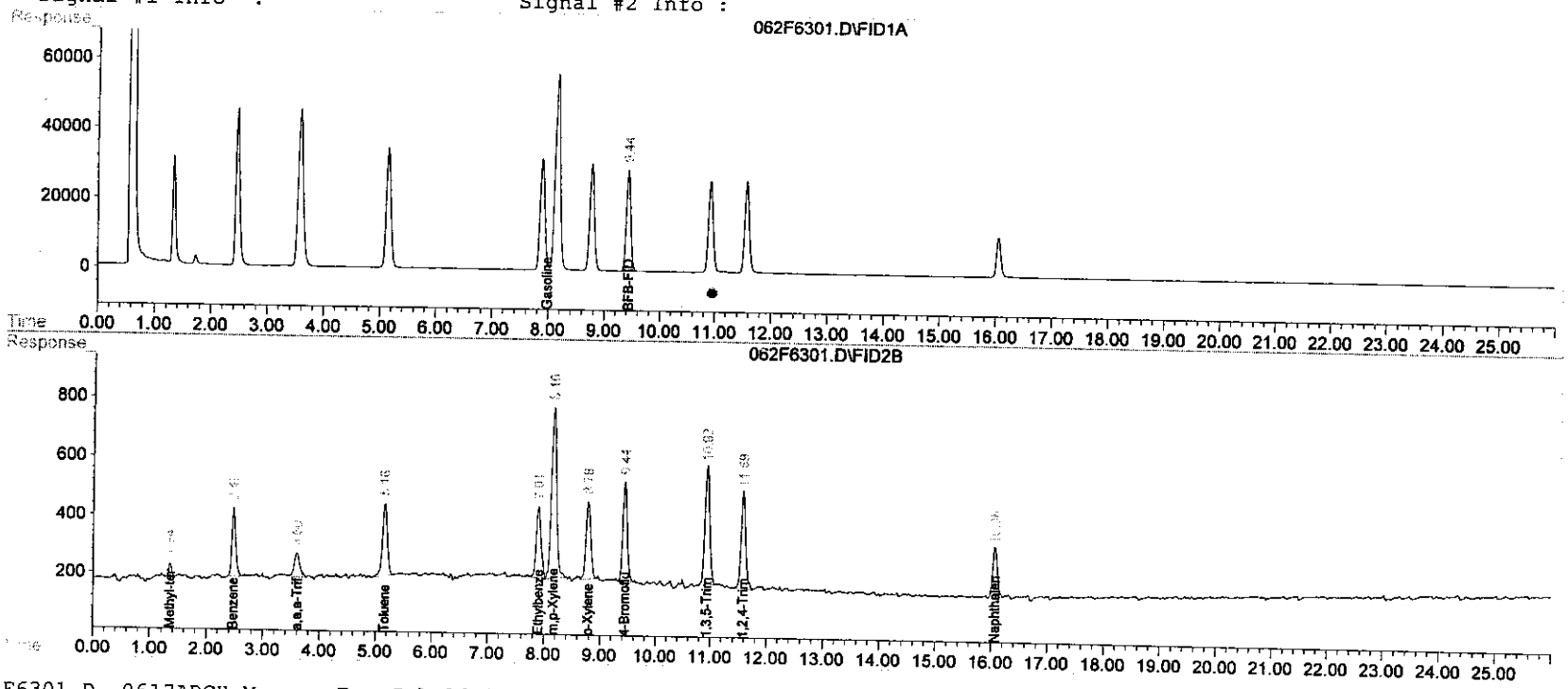
Quantitation Report

Data Fil : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\062F6 `1.D\FID1A.CH Vial: 62
Acq On . 24-Jul-2005, 01:21:20 Oper or: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050722\062F6301.D\FID2B.CH Vial: 62
Acq On : 24-Jul-05, 01:21:20 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 25 10:55 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 :



Pace Analytical

PACE ANALYTICAL DEL CARIBE

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**

RP 7/26/05

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	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	
16	05-1678	0663	<2	2160/2161	015F1601	Water	0.05mL	100	7/25/05 18:14	
17	05-1678	0664	<2	2160/2161	016F1701	Water	0.05mL	100	7/25/05 18:46	
18	05-1678	0665	<2	2160/2161	017F1801	Water	0.1mL	50	7/25/05 19:18	
19	05-1702	0747	>2	2160/2161	018F1901	Water	0.1mL	50	7/25/05 19:51	Vial had headspace. Sample not pres.
20	05-1702	0749	>2	2160/2161	019F2001	Water	0.25mL	20	7/25/05 20:23	Vial had headspace. Sample not pres.
21	05-1702	0750	>2	2160/2161	020F2101	Water	0.25mL	20	7/25/05 20:56	Vial had headspace. Sample not pres.

Pace Analytical

PACE ANALYTICAL DEL CARIBE

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

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	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

RP 7/26/05

#	Project Number	Lab. Sample Number	pH	Batch #	File Name	Matrix	Sample Weight (g)/ Volume (mL)	DF	Run Date/Time	Comments
22	05-1702	0751	>2	2160/2161	021F2201	Water	0.25mL	20	7/25/05 21:28	Vial had headspace. Sample not pres.
23	05-1702	0752	>2	2160/2161	022F2301	Water	0.25mL	20	7/25/05 22:00	Vial had headspace. Sample not pres.
24	05-1702	0753	>2	2160/2161	023F2401	Water	0.25mL	20	7/25/05 22:33	Sample not preserved.
25	05-1702	0754	<2	2160/2161	024F2501	Water	0.25mL	20	7/25/05 23:05	Vial had headspace.
26	n/a	GRO CCV	n/a	n/a	025F2601	Water	5mL	1	7/25/05 23:38	
27	n/a	BTEX CCV	n/a	n/a	026F2701	Water	5mL	1	7/26/05 0:10	

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%
11) 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

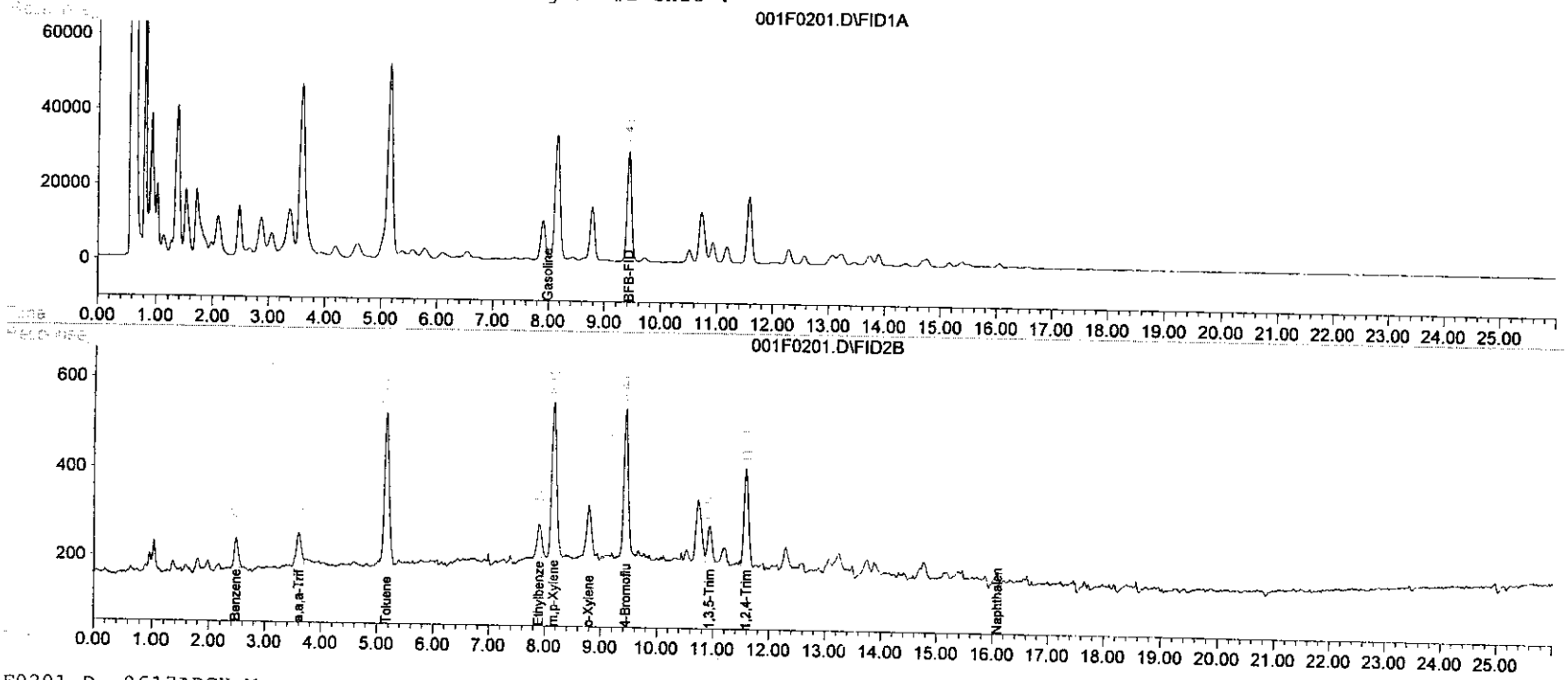
Quantitation Report

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 : 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\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

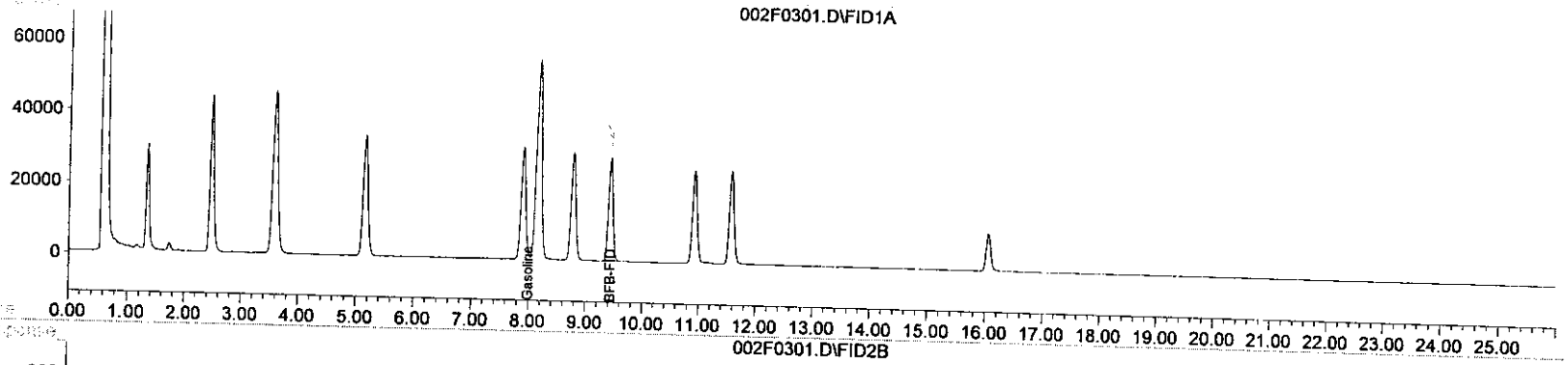
Quantitation Report

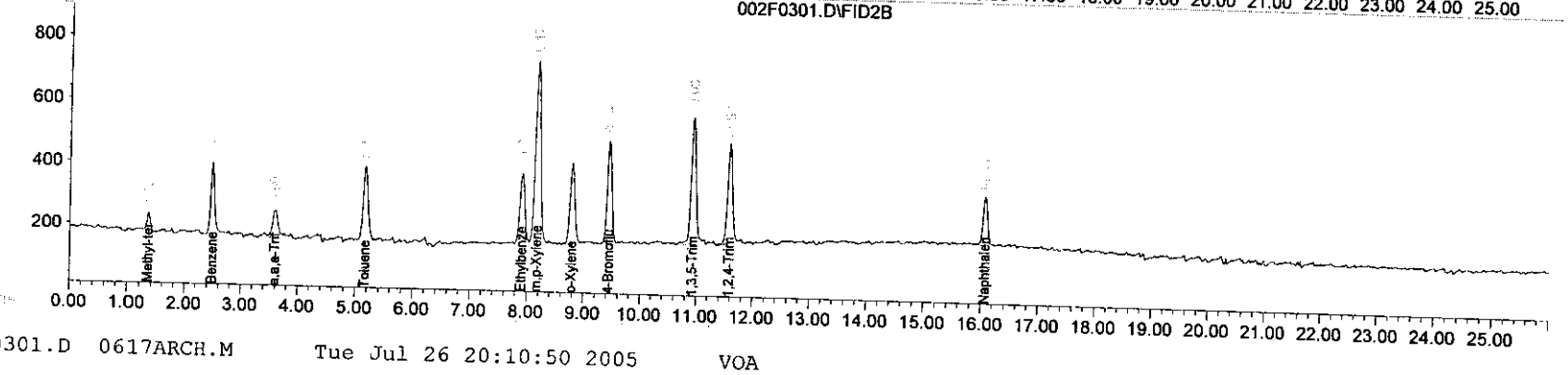
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0301.D\FID1A.CH Vial: 2
Acq On : 25-Jul-2005, 10:25:49
Sample : BTEX CCV
Misc :
IntFile : AUTOINT1.E
Operator: RG
Inst : HP5890
Multiplr: 1.00

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\002F0301.D\FID2B.CH Vial: 2
Acq On : 25-Jul-05, 10:25:49
Sample : BTEX CCV
Misc :
IntFile : AUTOINT2.E
Operator: RG
Inst : HP5890
Multiplr: 1.00
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 #1 Info :
Signal #2 Phase:
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%
11) S 4-Bromofluorobenzene	9.43	18300	96.059 ug/L
S ed 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

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

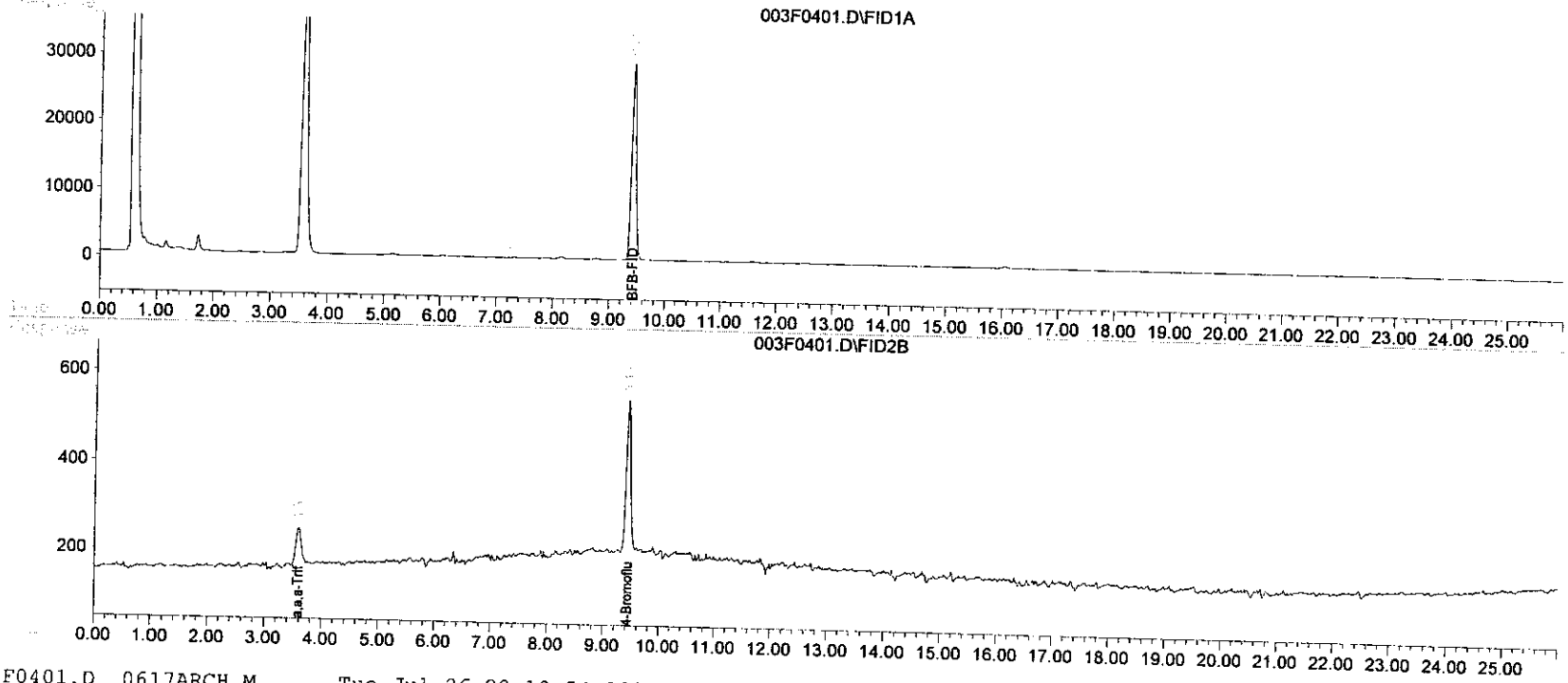
Quantitation Report

Data Fil O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\003F0 '.D\FID1A.CH Vial: 3
Acq On . 25-Jul-2005, 11:46:39 Oper. Or: 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%
11) 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

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

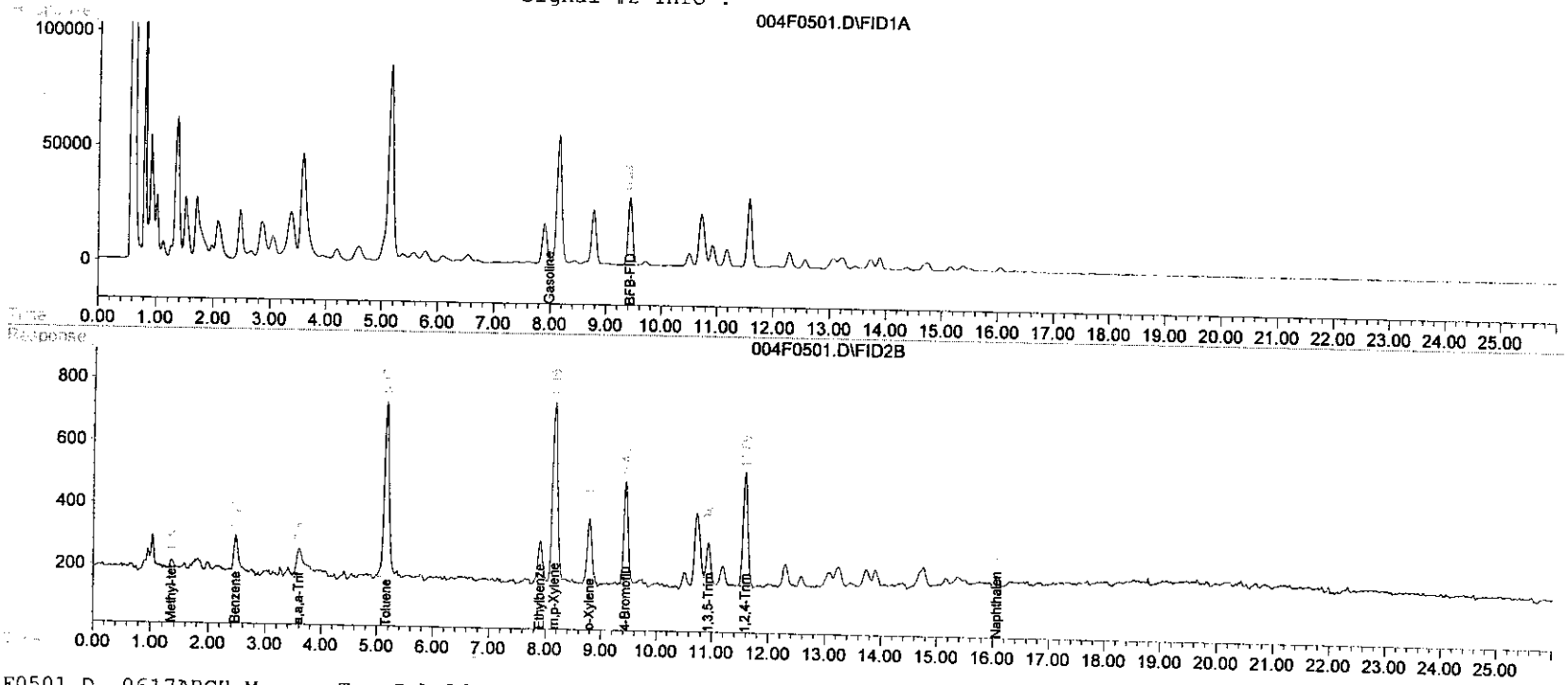
Quantitation Report

Data Fil: O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\004F0' '.D\FID1A.CH Vial: 4
Acq On . 25-Jul-2005, 12:18:46 Oper. ,r: 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%
1J' S 4-Bromofluorobenzene	9.44	19085	89.749 ug/L
S. ed 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

(f)=RT Delta > 1/2 Window (m)=manual int.
005F0601.D 0617ARCH.M Tue Jul 26 20:11:04 2005 VOA

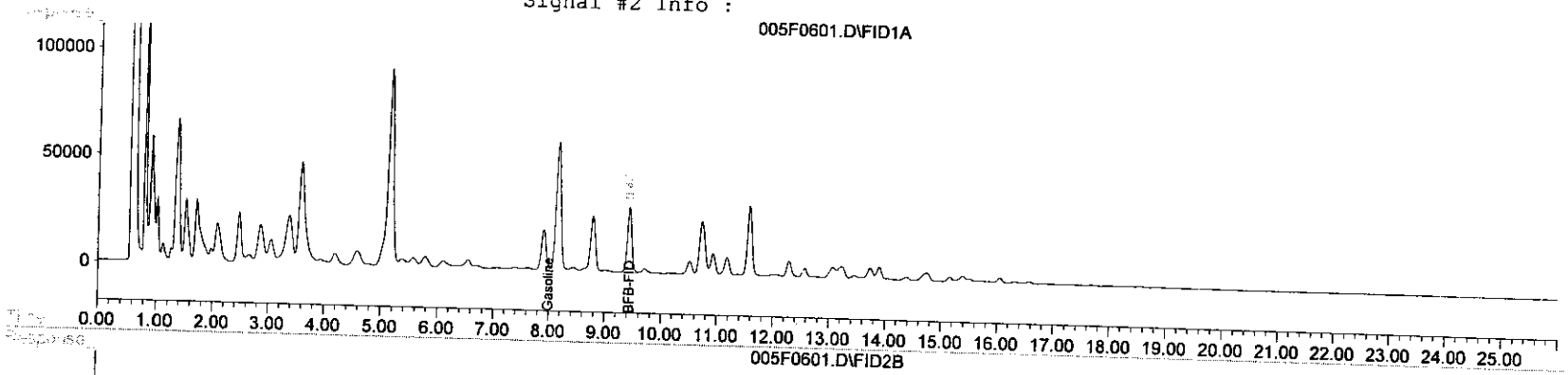
Quantitation Report

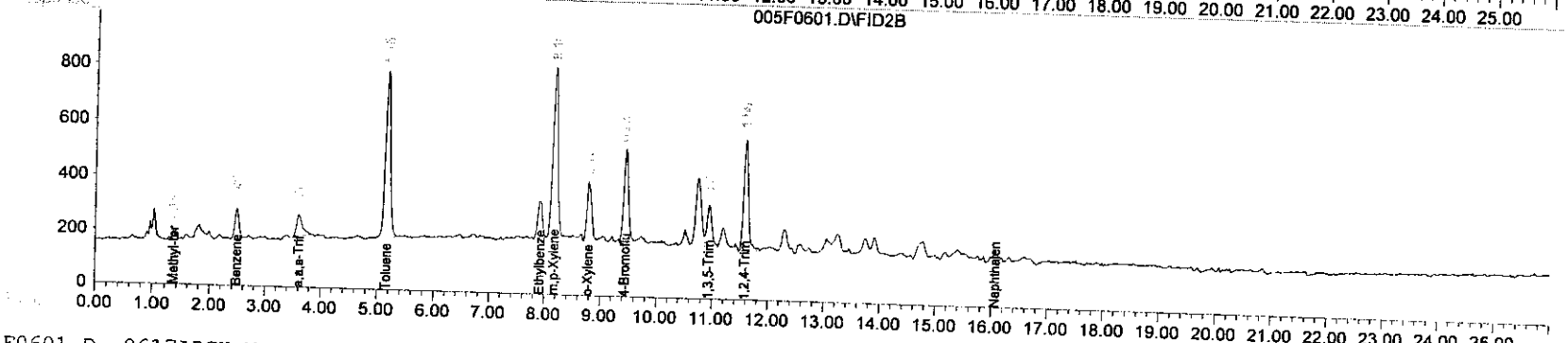
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\005F0601.D\FID1A.CH Vial: 5
Acq On : 25-Jul-2005, 12:51:12 Operator: RG
Sample : LCSD Aq,,,2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

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 : 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%
11) S 4-Bromofluorobenzene	9.44	19606	130.952 ug/L
S ed 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

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

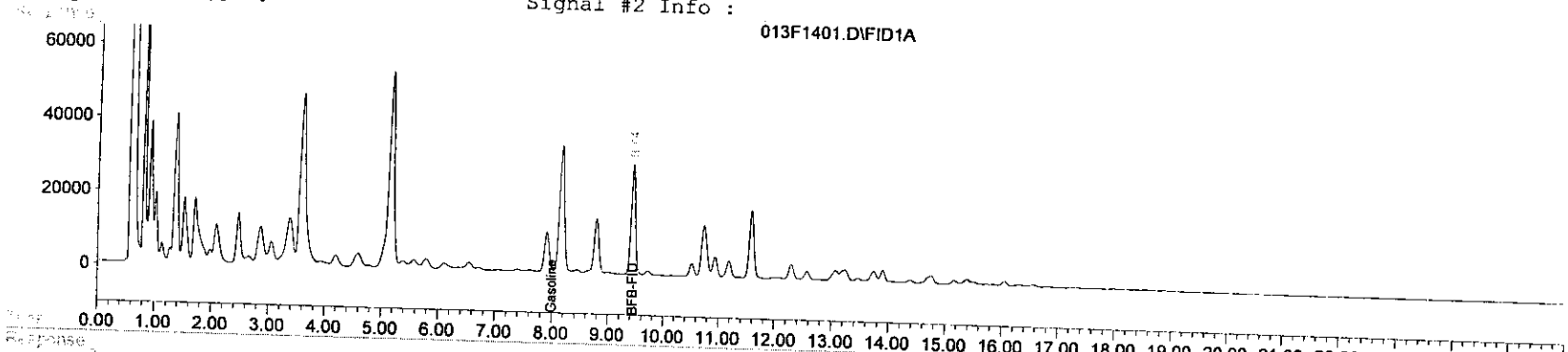
Quantitation Report

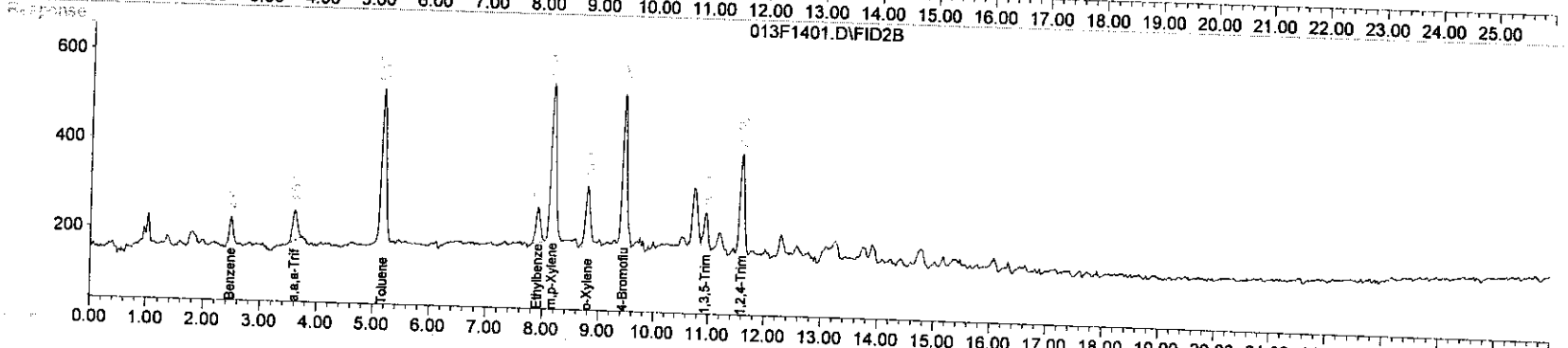
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\013F1401.D\FID1A.CH Vial: 13
Acq On : 25-Jul-2005, 17:10:55 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

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 : 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\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%
11) S 4-Bromofluorobenzene	9.45	18926	107.042 ug/L
S ed 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

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

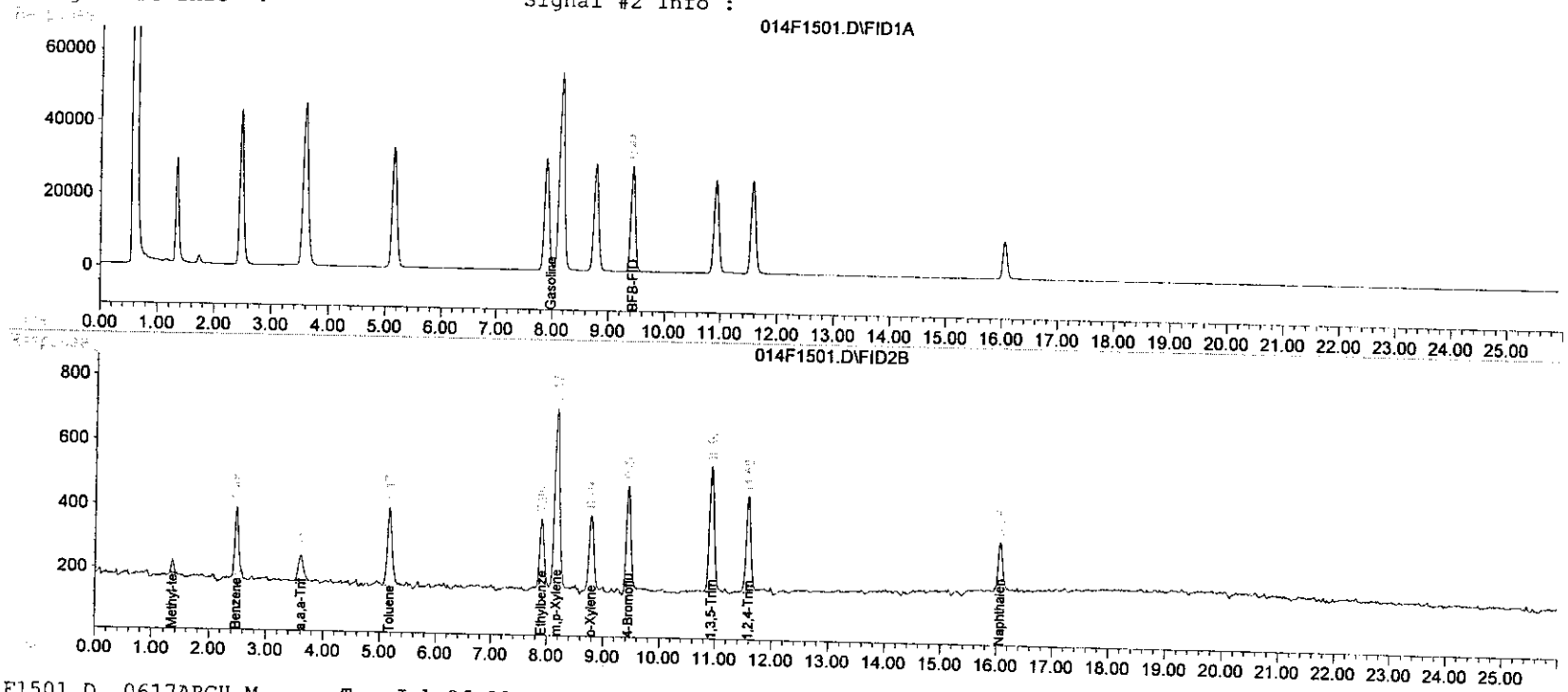
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\014F1[illegible] .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 #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\015F1601.D\FID1A.CH Vial: 15
Acq On : 25-Jul-2005, 18:14:47 Operator: RG
Sample : 1678-0663,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\015F1601.D\FID2B.CH Vial: 15
Acq On : 25-Jul-05, 18:14:47 Operator: RG
Sample : 1678-0663,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:27 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: 100X
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	4952	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1615638	103.451 ug/L
Spiked Amount 100.000		Recovery =	103.45%
1'' S 4-Bromofluorobenzene	9.44	18490	106.551 ug/L
S ed Amount 100.000		Recovery =	106.55%
Target Compounds			
1) H T M Gasoline	8.00	13212560	419.666 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	13971	73.127 ug/L
7) T M Toluene	5.16	2773	10.342 ug/L
8) T M Ethylbenzene	7.91	5564	21.348 ug/L
9) T M m,p-Xylene	8.16	14840	45.051 ug/L
10) T M o-Xylene	8.79	3480	12.550 ug/L
12) T 1,3,5-Trimethylbenzene	10.93	4678	11.244 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	8738	27.681 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

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

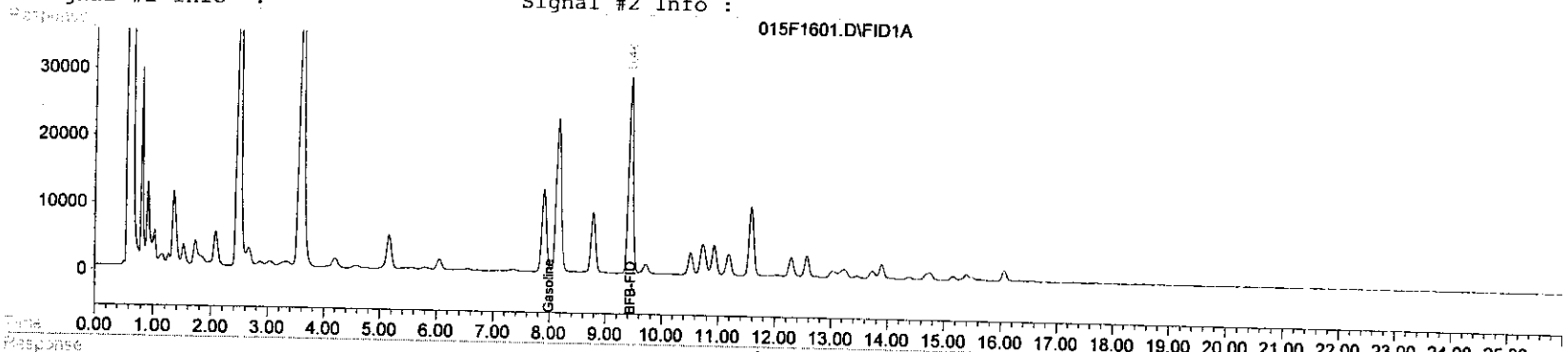
Quantitation Report

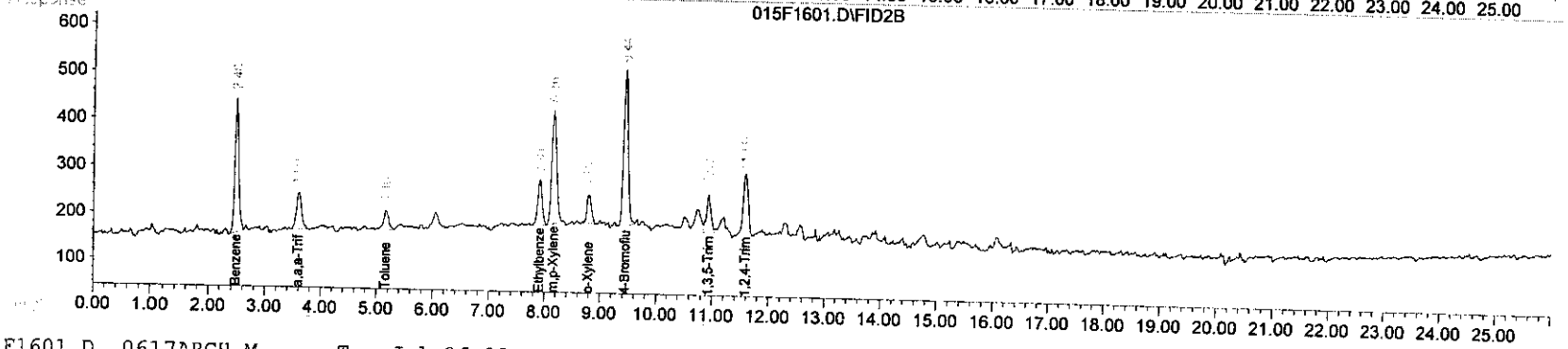
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\015F1601.D\FID1A.CH Vial: 15
Acq On : 25-Jul-2005, 18:14:47 Operator: RG
Sample : 1678-0663,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\015F1601.D\FID2B.CH Vial: 15
Acq On : 25-Jul-05, 18:14:47 Operator: RG
Sample : 1678-0663,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:27 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\016F1701.D\FID1A.CH Vial: 16
Acq On : 25-Jul-2005, 18:46:53 Operator: RG
Sample : 1678-0664,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\016F1701.D\FID2B.CH Vial: 16
Acq On : 25-Jul-05, 18:46:53 Operator: RG
Sample : 1678-0664,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:28 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: 100X
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.59	5708	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1599175	102.394 ug/L
Spiked Amount 100.000		Recovery =	102.39%
11) S 4-Bromofluorobenzene	9.44	18205	91.009 ug/L
Spiked Amount 100.000		Recovery =	91.01%
Target Compounds			
1) H T M Gasoline	8.00	13019642	411.548 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	13930	63.451 ug/L
7) T M Toluene	5.18	1751	5.214 ug/L
8) T M Ethylbenzene	7.91	6093	20.155 ug/L
9) T M m,p-Xylene	8.16	15370	40.220 ug/L
10) T M o-Xylene	8.78	4611	14.565 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	3966	8.269 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	7259	19.633 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

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

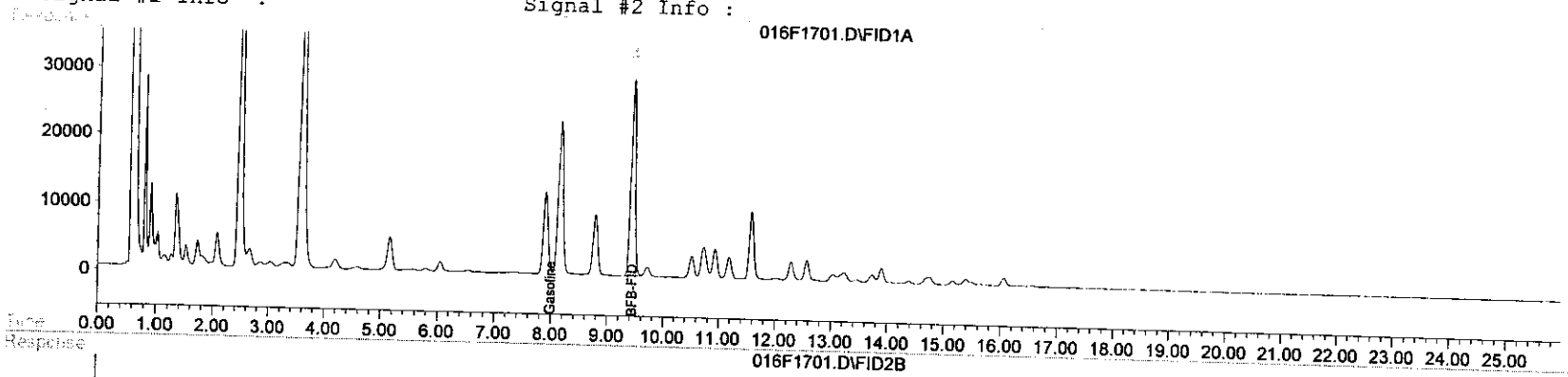
Quantitation Report

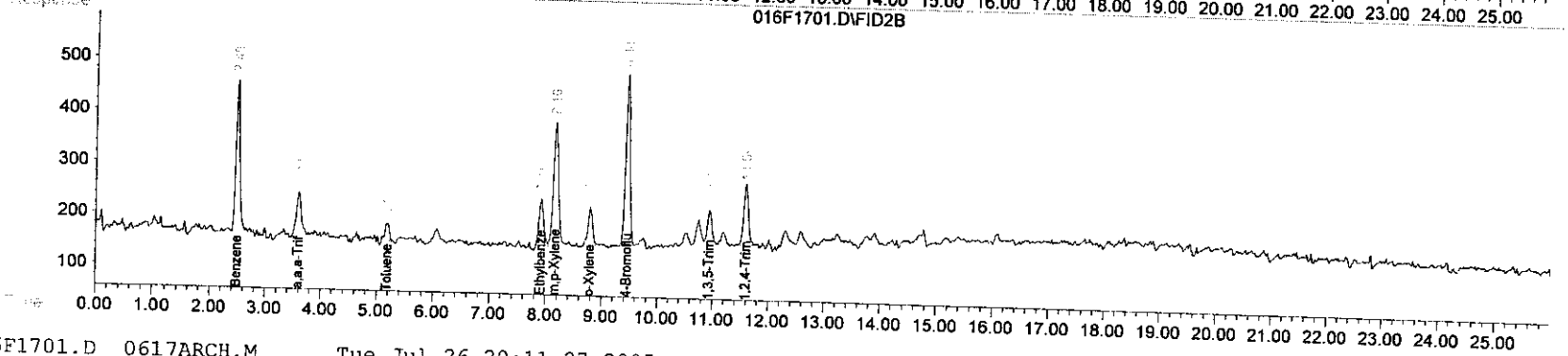
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\016F1701.D\FID1A.CH Vial: 16
Acq On : 25-Jul-2005, 18:46:53 Operator: RG
Sample : 1678-0664,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\016F1701.D\FID2B.CH Vial: 16
Acq On : 25-Jul-05, 18:46:53 Operator: RG
Sample : 1678-0664,,100, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:28 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 :





Quantitation Report (QT Reviewed)

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\017F1801.D\FID1A.CH Vial: 17
Acq On : 25-Jul-2005, 19:18:59 Operator: RG
Sample : 1678-0665,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\017F1801.D\FID2B.CH Vial: 17
Acq On : 25-Jul-05, 19:18:59 Operator: RG
Sample : 1678-0665,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:29 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: 5OX
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
4) I a,a,a-Trifluorotoluene IS	3.60	5541	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1635110	104.701 ug/L
Spiked Amount 100.000		Recovery =	104.70%
11) S 4-Bromofluorobenzene	9.44	18635	95.964 ug/L
Spiked Amount 100.000		Recovery =	95.96%
Target Compounds			
1) H T M Gasoline	8.00	32215642	1219.346 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N.D. ug/L
6) T M Benzene	2.48	13626	63.925 ug/L
7) T M Toluene	5.16	42501	154.308 ug/L
8) T M Ethylbenzene	7.90	14953	54.738 ug/L
9) T M m,p-Xylene	8.16	56090	158.271 ug/L
10) T M o-Xylene	8.78	20459	69.960 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	10126	21.748 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	28975	84.247 ug/L
14) T Naphthalene	16.07	3637	22.531 ug/L

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

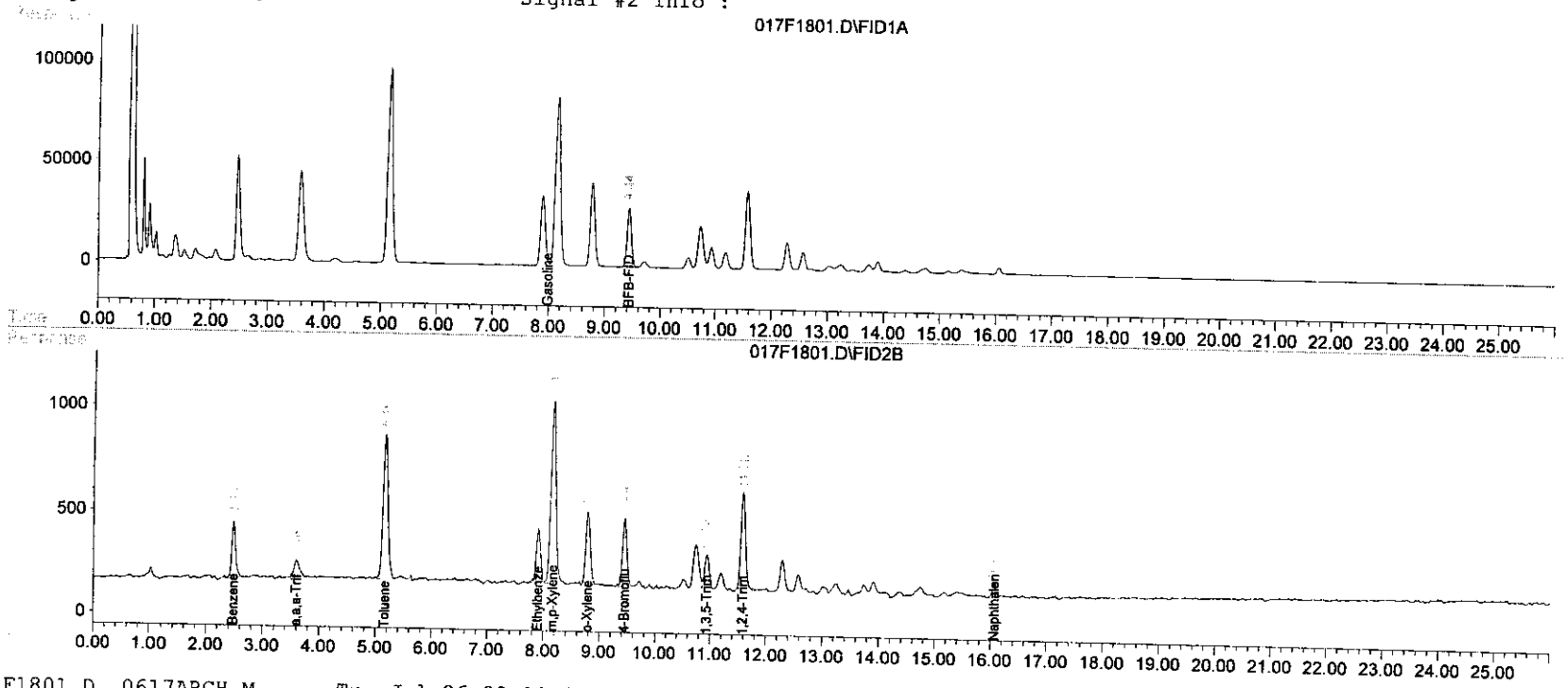
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\017F1f .D\FID1A.CH Vial: 17
Acq On : 25-Jul-2005, 19:18:59 Operator: RG
Sample : 1678-0665,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\017F1801.D\FID2B.CH Vial: 17
Acq On : 25-Jul-05, 19:18:59 Operator: RG
Sample : 1678-0665,,50, Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:29 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\050725\025F2601.D\FID1A.CH Vial: 25
Acq On : 25-Jul-2005, 23:38:25 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\025F2601.D\FID2B.CH Vial: 25
Acq On : 25-Jul-05, 23:38:25 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:34 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	4706	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1657547	106.141 ug/L
Spiked Amount 100.000		Recovery =	106.14%
11) S 4-Bromofluorobenzene	9.44	19133	116.009 ug/L
S ed Amount 100.000		Recovery =	116.01%
Target Compounds			
1) H T M Gasoline	8.00	25070938	918.685 ug/L
5) T Methyl-tert-butyl ether	0.00	0	N*D. ug/L
6) T M Benzene	2.48	4217	24.227 ug/L
7) T M Toluene	5.17	20759	88.315 ug/L
8) T M Ethylbenzene	7.91	4470	17.660 ug/L
9) T M m,p-Xylene	8.16	22724	74.155 ug/L
10) T M o-Xylene	8.79	8105	32.128 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	5442	13.762 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	13429	45.458 ug/L
14) T Naphthalene	0.00	0	N.D. ug/L

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

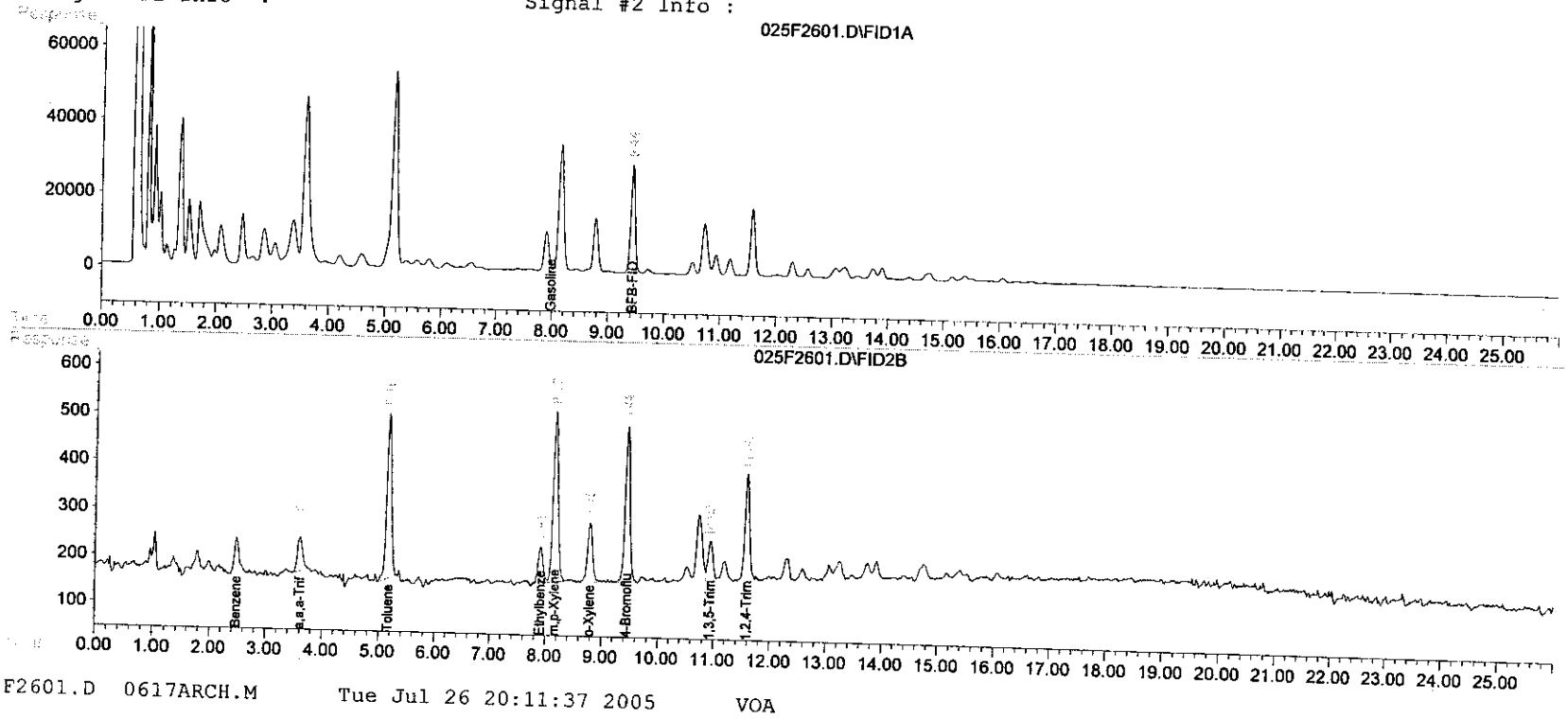
Quantitation Report

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\025F2601.D\FID1A.CH Vial: 25
Acq On : 25-Jul-2005, 23:38:25 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\025F2601.D\FID2B.CH Vial: 25
Acq On : 25-Jul-05, 23:38:25 Operator: RG
Sample : GRO CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:34 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\050725\026F2701.D\FID1A.CH Vial: 26
Acq On : 26-Jul-2005, 00:10:31 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\026F2701.D\FID2B.CH Vial: 26
Acq On : 26-Jul-05, 00:10:31 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:35 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	5380	100.000 ug/L
System Monitoring Compounds			
2) S BFB-FID	9.44	1595395	102.151 ug/L
Spiked Amount 100.000		Recovery =	102.15%
11) S 4-Bromofluorobenzene	9.44	17773	94.265 ug/L
Spiked Amount 100.000		Recovery =	94.27%
Target Compounds			
1) H T M Gasoline	8.00	19198809	671.577 ug/L
5) T Methyl-tert-butyl ether	1.35	2936	67.655 ug/L
6) T M Benzene	2.48	10170	49.480 ug/L
7) T M Toluene	5.17	14122	52.153 ug/L
8) T M Ethylbenzene	7.91	14637	55.208 ug/L
9) T M m,p-Xylene	8.17	37467	108.088 ug/L
10) T M o-Xylene	8.79	15701	55.099 ug/L
12) T 1,3,5-Trimethylbenzene	10.94	24764	54.778 ug/L
13) T 1,2,4-Trimethylbenzene	11.59	18454	54.871 ug/L
14) T Naphthalene	16.07	9084	51.835 ug/L

(f)=RT Delta > 1/2 Window (m)=manual int.
026F2701.D 0617ARCH.M Tue Jul 26 20:11:41 2005 VOA

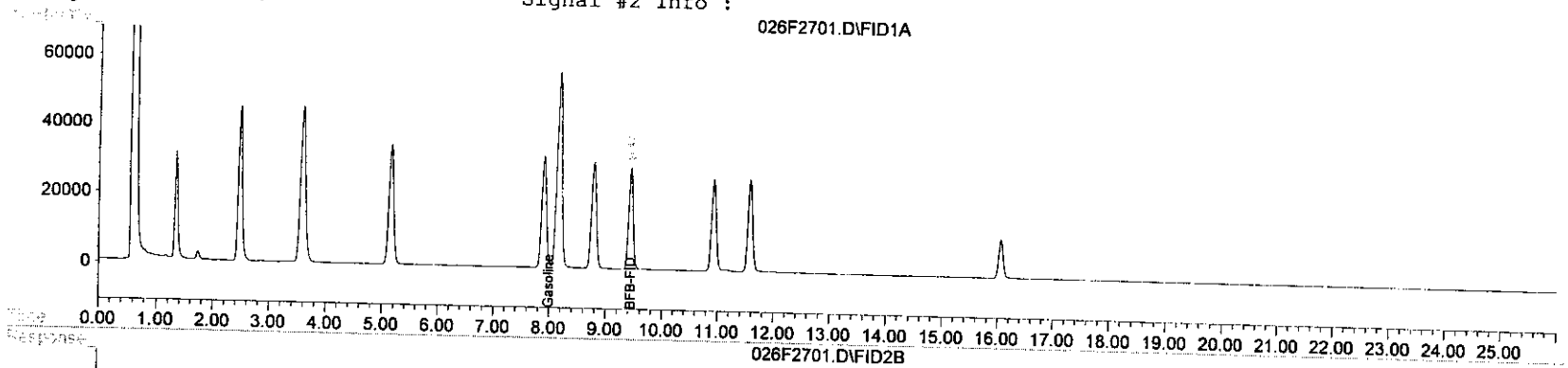
Quantitation Report

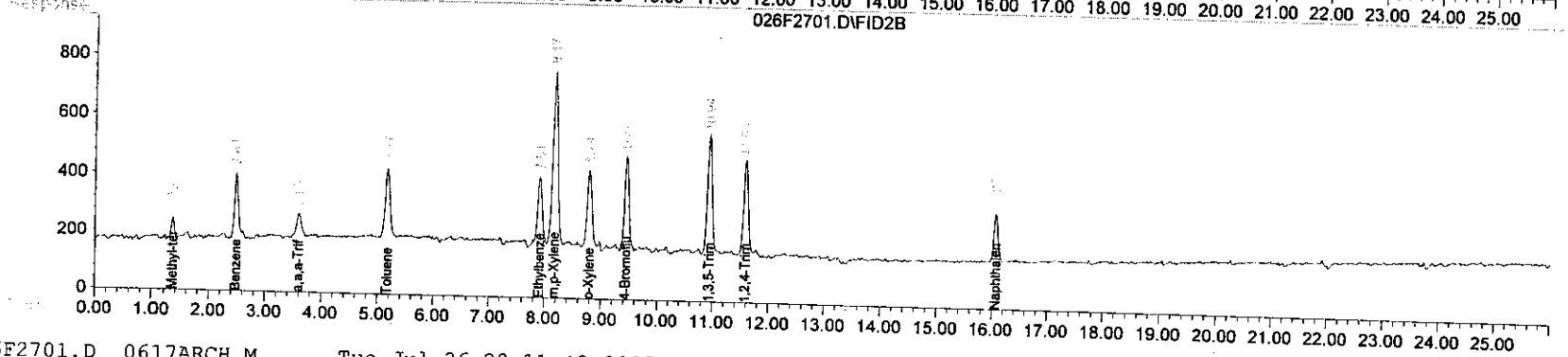
Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\026F2701.D\FID1A.CH Vial: 26
Acq On : 26-Jul-2005, 00:10:31 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : O:\ORGANICS\HPCHEM\17PIDF~1\DATA\050725\026F2701.D\FID2B.CH Vial: 26
Acq On : 26-Jul-05, 00:10:31 Operator: RG
Sample : BTEX CCV Inst : HP5890
Misc : Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Jul 26 9:35 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 :





P.O. Box 328, 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	N/A	DCM	N/A	N/A	0101001	1	Aqueous	10	07-20-05	[illegible]	
2		DCM			0201002	2					
3		1000CLU	✓(1)		0301003	3					
4		MB	2049		0401004	4					
5	✓(1)	LCS		✓(1)	0501005	5					
6	05-1639	0507-0413		EB	0601006	6					
7	05-1657	-0537		JLEI-MW-1	0701007	7					
8		-0538		-A	0801008	8					
		-0539		-2	0901009	9					
10		0540		-3	1001010	10					
11		-0541		-4	1101011	11					
12		-0542		✓(1) -5	1201012	12					
13	✓(1)	(1) -0543		EB	1301013	13					
14	N/A	1000CLU	✓(1)	N/A	1401014	14	✓(1)	✓(1)	✓(1)	✓(1)	

Surrogate ID: SUGL-1-011C LCS/MS/MSD Spike ID: SUGL-1-007A ICV/CCV Spike ID: SLSU-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: N/A

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

N/A [illegible] 07-21-05 (1) [illegible] 07-21-05

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P.O. Box 325, San German, 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	05-1657	0507-0544	2049	FB	1501015	15	Aqueous	10	07-20-05	[illegible]	
2	05-1665	-0591		EB	1601016	16					
3	↓(2)	-0592		FB	1701017	17					
4	05-1671	-0629		TB	1801018	18					
5		-0630		FB	1901019	19					
6	↓(2)	-0631		EB	2001020	20			↓(2)		
7	05-1678	-0666		EB	2101021	21			07-21-05		
8	↓(2)	-0667		FB	2201022	22					
9	05-1679	-0671		EB	2301023	23					
10	↓(2)	↓(2)-0672		FB	2401024	24					
11	N/A	1000CCC		① ~~FB~~ N/A	2501025	25					
12	05-1678	0507-0666		FB	2601026	26					MS
13	↓(2)	↓(2)-0667	↓(2)		2701027	27					MSD
14	N/A	N/B	2050	N/A	2801028	28	↓(2)	↓(2)	↓(2)	↓(2)	

Surrogate ID: SUGL-1-011C LCS/MS/MSD Spike ID: SUGL-1-007A ICV/CCV Spike ID: SUSU-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: N/A

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

JEG 07-21-05 N/A 07-21-05 (2) 07-21-05

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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	N/A	LCS	32050	N/A	3901029	29	Aqueous	40	07-21-05	PR	
2	05-1665	0587-0593		PQ-8-SW-1	3001030	30					
3		-0594		-4- -2	3101031	31					
4		-0595		-A	3201032	32					
5		-0596		-5- -3	3301033	33					
6		-0597		-6- -4	3401034	34					
7	↓	↓-0598		↓-7- ↓-5	3501035	35					
8	N/A	1000CCV		N/A	3601036	36					
	05-1665	0587-0599		PQ-8-SW-4	3701037	37					
10	↓	-0590		SW-6-SW-7	3801038	38					
11	05-1679	-0469		PQ-26-SW-8	3901039	39					
12	↓	-0470		↓ -B	4001040	40					
13	05-1703	-0471		SLET-MW-6	4101041	41					
14	↓	↓-0472	↓	↓ -B	4201042	42	↓	↓	↓	↓	

Surrogate ID: SSC-1-0116 LCS/MS/MSD Spike ID: SCC-1-0078 ICV/CCV Spike ID: SSU-1028 DCM ID: Lot. 04J009

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

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

N/A PR 07-21-05
① PR 07-21-05

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	CS-1671	0507-0633	2046	① CR-C2 ~~PD-31-SW-9~~	5701001	57	Soil	2x	07-21-05	[illegible]	
2		1000 CCV		N/A	5801002	58		/			
3		0507-0634		CR-C3	5901003	59					
4		-0635		CR-C4	6001004	60					
5		-0636		CR-C5	6101005	61					
6		-0637		CR-C6	6201006	62					
7		-0632		CR-C1	6301007	63					MS
8	②	② -0632	②	②	6401008	64	②	②			MSD
9	N/A	MB	2079	N/A	6501009	65	Aqueous	1D			
10	②	LCS		②	6601010	66					
11	CS-1678	0507-0643		PD-31-SW-9	6701011	67					
12		1000 CCV		N/A	6801012	68					
13		0507-0644		PD-31-SW-C	6901013	69					
14	②	② -0645	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: SCSC-1-028 DCM ID: Lot. 042007

Surrogate ID: N/A LCS/MS/MSD Spike ID: N/A ICV/CCV Spike ID: N/A DCM ID: Lot. X21827

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

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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	20791	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 ccu		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: SCC-1-011C LCS/MS/MSD Spike ID: SCC-1-007A ICV/CCV Spike ID: SCC-1-008 DCM ID: 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:

07-22-05

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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	CLUS Dup	8501029	85	Aqueous	10	07-22-05	[illegible]	
2		-0927		Field Blank 2	8601030	86					
3		-0927			8701031	87					MS
4	↓	↓ -0927	↓	↓	8801032	88					MSD
5	N/A	MB	2080	N/A	8901033	89					
6		1000 CLU			9001034	90					
7	↓	LCS		↓	9101035	91					
8	05-1712	0507-0799		EB-071505	9201036	92					
9	↓	-0802		FB-071505	9301037	93					
10	05-1724	-0855		EB-071805	9401038	94					
11	↓	-0860		FB-071805	9501039	95					
12	05-1746	~~-1066~~ 1065		FB-1	9601040	96					
13		-1066		TB-1	9701041	97					
14	↓	↓ -1067	↓	EB-1	9801042	98	↓	↓	↓	↓	

Surrogate ID: SOGC-1-011C LCS/MS/MSD Spike ID: SOGC-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:

[illegible] 07-22-05 [illegible] 07-22-05

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

Book # 3

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	2046	07/18/05	K.H	9.99g	10mL	1	
2	N/A	LCS				10.00g			
3	05-1671	0507-0632				10.02g			
4		-0633				10.03g			
5		-0634				10.00g			
6		-0635				9.98g			
7		-0636				10.00g			
8		-0637				10.03g			
9		-0632				10.04g			
10	①	①-0632	①			10.00g	①	①	MS
11	N/A	MB	2049			30mL	3	10	MSD
12	①	LCS							
13	05-1639	0507-0413							
14	05-1657	-0537							
15		-0538							
16		-0539							
17		-0540							
18		-0541							
19		-0542							
20		-0543							
21	①	-0544							
22	05-1665	-0591							
24	①	-0592							
25	05-1671	①-0629	①	①	①	①	①	①	

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042002 Exp. Date: 01-25-10
Sodium Sulfate: Mfg: Fisher Lot: 080624 Exp. Date: 06-10
Surrogate ID: SUGC-1-011C LCS/MS/MSD ID: SUGC-1-007A

Spike witness: JC

VERIFIED AND APPROVED BY: J Caldwell

DATE: 7/18/05

① [signature] 07-18-05 N/A [signature] 07-18-05

Form # 1 / PR-O-002 / Rev. 0 / October 25, 2004

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

Book # 3

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	05-1671	0507-0630	2049	07-18-05	K.H.	30 mL	3	10	
2	↓①	-0631							
3	05-1679	-0671							
4	↓①	-0672							
5	05-1678	-0666							
6	↓①	-0667							
7	~~05-1679~~	~~-0669~~							
8		~~-0670~~							
9	05-1678	~~HB0667~~							
10	↓①	①↓ -0667	↓①						
11	N/A	MB	2050						MS
12	↓①	LCS							MSD
13	05-1702	0507-0747							
14		-0748							
15		-0749							
16		-0750							
17		-0751							
18		-0752							
19		-0753							
20		-0754							
21		-0755							
22	↓①	-0756							
24	05-1665	-0583							
25	↓①	①↓ -0584	↓①	↓①	↓①	↓①	↓①	↓①	

} EE 07-18-

Reagents:
DI Water Batch No.: N/A
Methylene Chloride (DCM): Mfg: Fisher Lot: 042008
Sodium Sulfate: Mfg: Fisher Lot: 050634 Exp. Date: 01-10
Surrogate ID: SUGC-1-011C Exp. Date: 06-10
LCS/MS/MSD ID: SUGC-1-007A

Spike Witness: JC

VERIFIED AND APPROVED BY: S Caldwell

DATE: 7/18/05

① 07-18-05 N/A 07-18-05

Form # 1 / PR-O-002 / Rev. 0 / October 25, 2004

Book # 3

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]	30ml	3	10	
2	↓	ACS							
3	05-1678	0507-0063							
4		-0064							
5	↓	-0065							
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: X21828 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]6

DATE: 7/21/05

Form # 1 / PR-O-002 / Rev. 0 / October 25, 2004

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

Data File Name **0501005.D**
Date Acquired **20 Jul 2005 17:12**
Method File **DROFID3.M**
Sample Name **lcs 2049**

Name	Amount	True Value	% Recovery	Control Limits	Flags
Pentacosane	26.38	25	106	80-144	Pass
Diesel Range Organics	1015.62	1000	102	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

M .-Spiked Sample: 2201022.D

	Spike Sample	Spike Duplicate Sample
File ID :	2601026.D	2701027.D
Sample :	0507-0667 ms	0507-0667 msd
Acq Time:	21 Jul 2005 2:14	21 Jul 2005 2:39

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Diesel Range Organic	1.2	1000	1076	1054	107	105	2	20	70-130

- Fails Limit Check

050331.M Fri Jul 22 10:52:32 2005 MSAD1

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

1 -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\050720\0301003.D Vial: 3
Acq On : 20 Jul 2005 16:21 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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

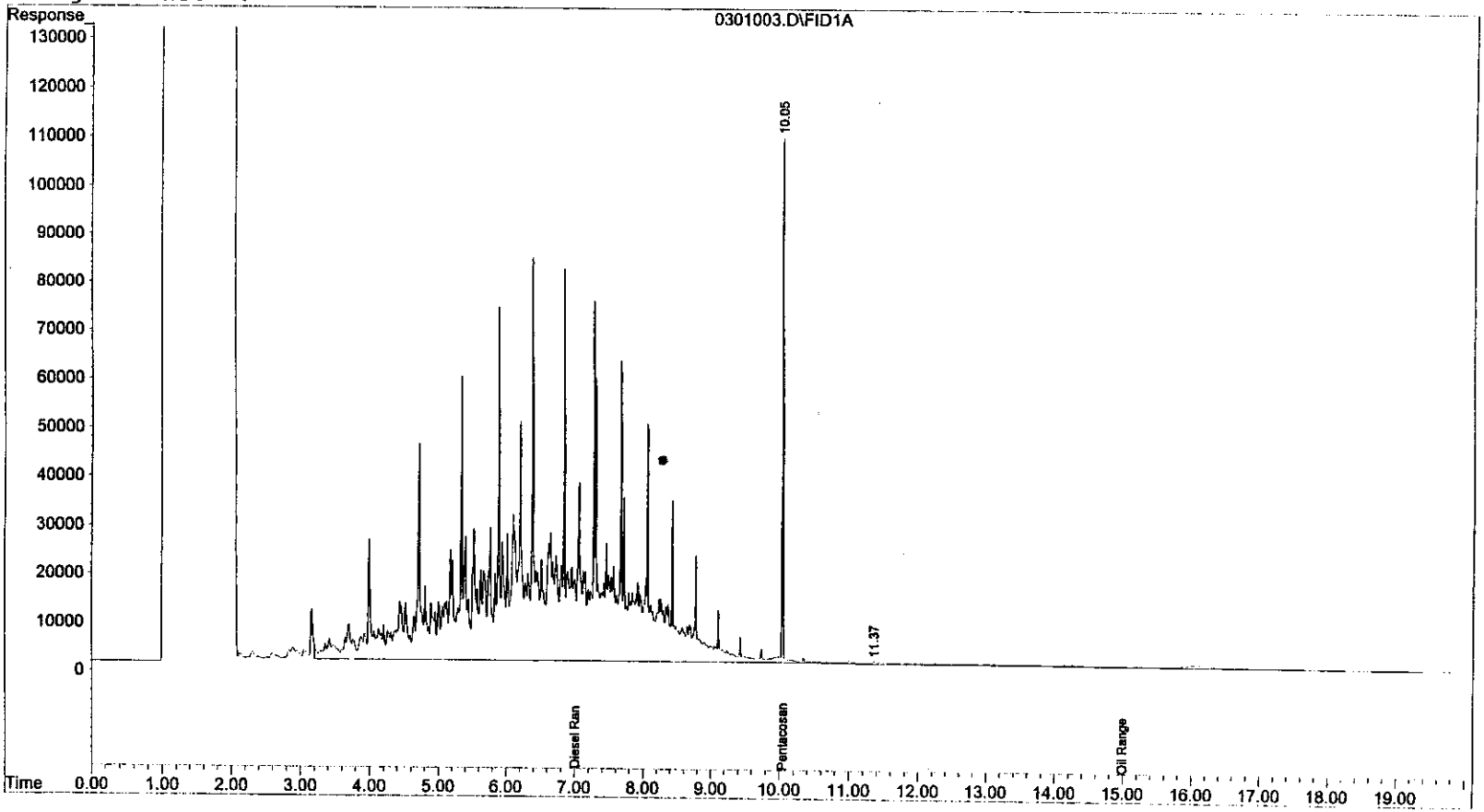
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1167265	29.228 mg/L 117%
Spiked Amount 25.000 Range 80 - 144		Recovery = 116.91%	
Target Compounds			
2) H M Diesel Range Organics	7.00	42981670	1054.561 mg/L 105%
3) H Oil Range Organics	15.00	307305	7.540 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0301003.D Vial: 3
Acq C : 20 Jul 2005 16:21 Operator: KMI
Sampl. : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 20 18:58 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\0401004.D Vial: 4
Acq On : 20 Jul 2005 16:47 Operator: KMI
Sample : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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

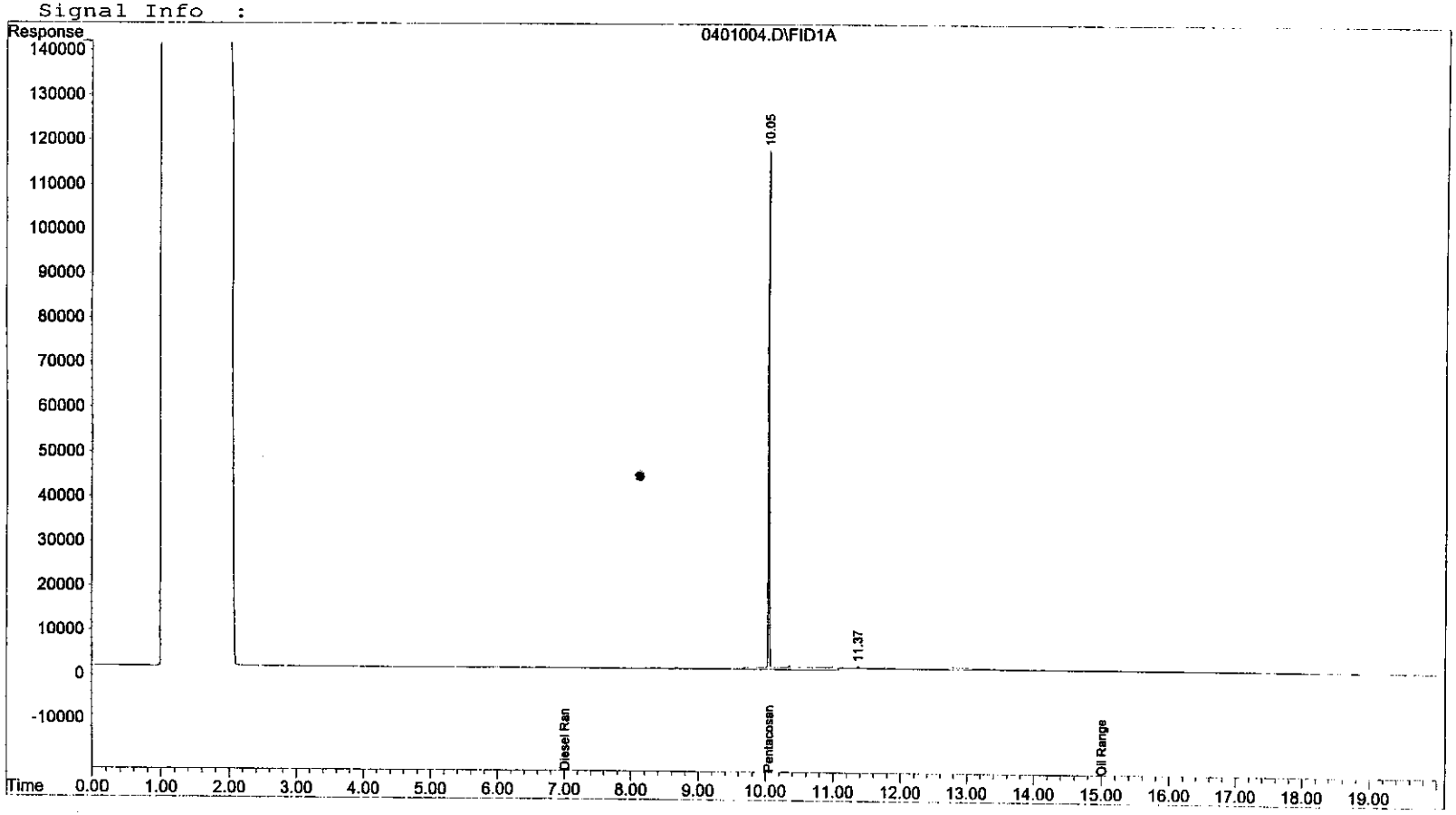
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1190250	29.803 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.21% 119%
Target Compounds			
2) H M Diesel Range Organics	7.00	103705	2.544 mg/L
3) H Oil Range Organics	15.00	158636	3.892 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0401004.D Vial: 4
Acq : 20 Jul 2005 16:47 Operator: KMI
Sampl : mb 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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\0501005.D Vial: 5
Acq On : 20 Jul 2005 17:12 Operator: KMI
Sample : lcs 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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 :

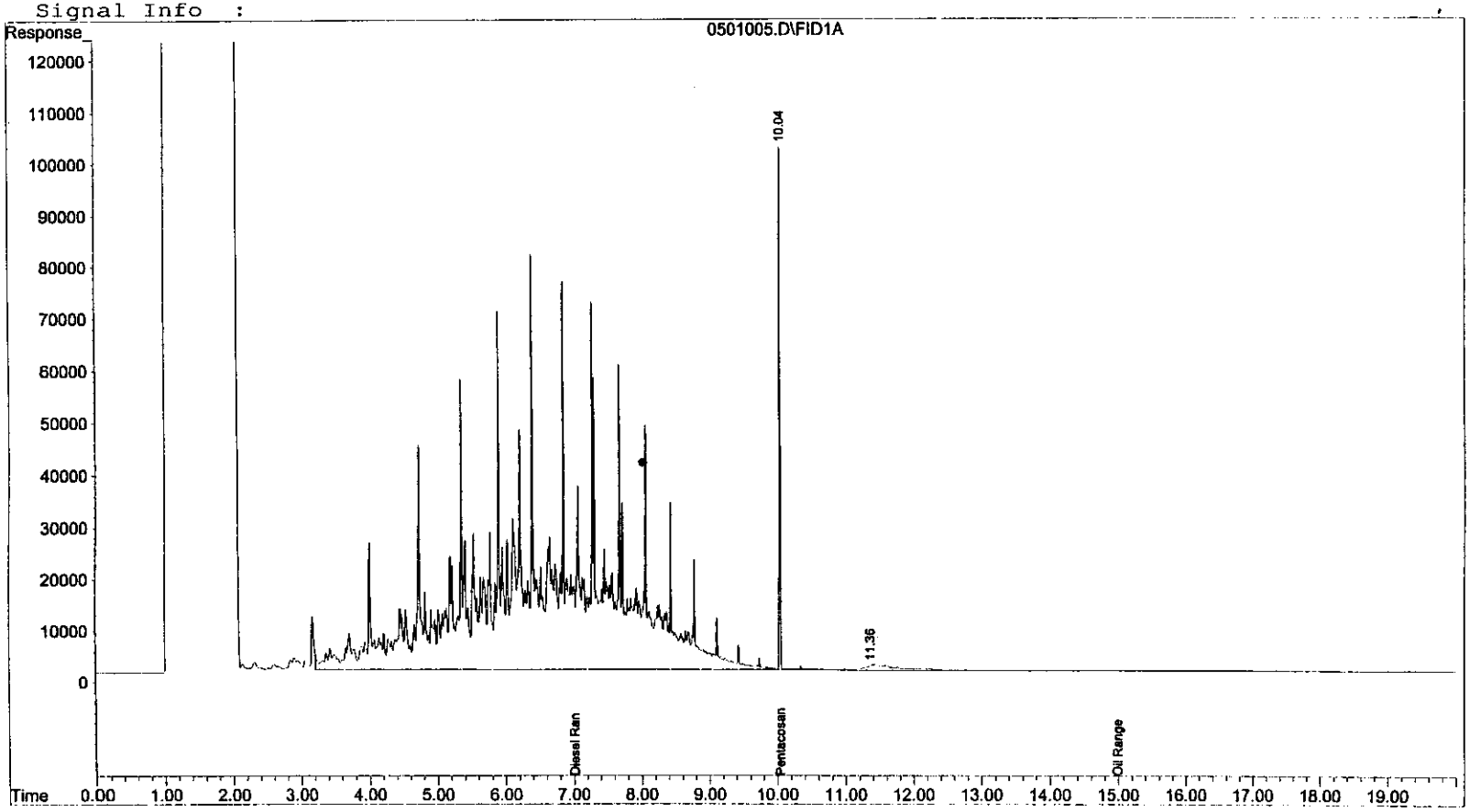
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1053406	26.377 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	105.51% 100%
Target Compounds			
2) H M Diesel Range Organics	7.00	41394585	1015.621 mg/L 102%
3) H Oil Range Organics	15.00	214030	5.251 mg/L

Quantification Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\0501005.D Vial: 5
Acq : 20 Jul 2005 17:12 Operator: KMI
Sample : lcs 2049 Inst : FID3
Misc : Aqueous Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:08 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\1401014.D Vial: 14
Acq On : 20 Jul 2005 21:05 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:12 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

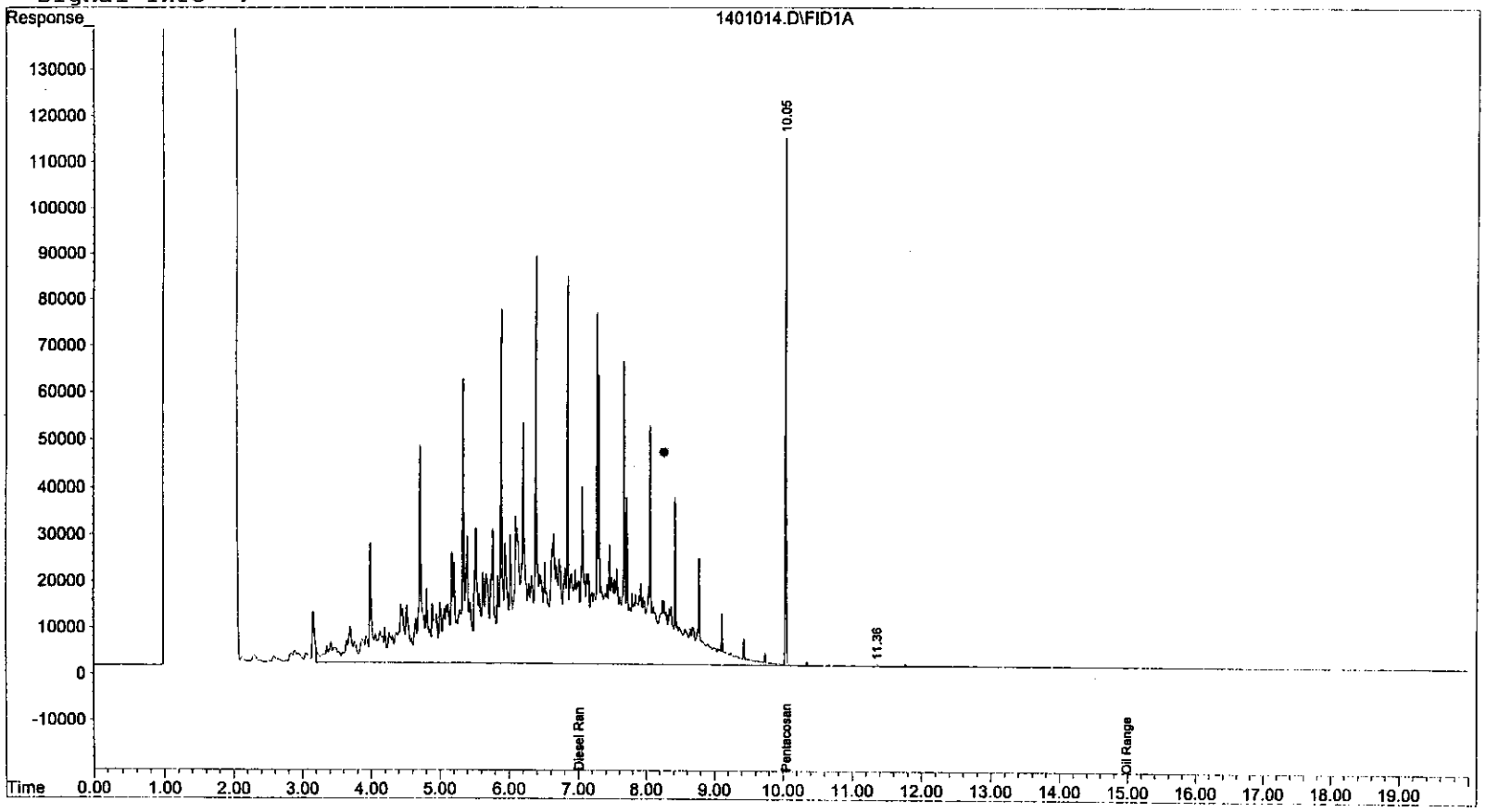
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1181784	29.591 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	118.36% 118%
Target Compounds			
2) H M Diesel Range Organics	7.00	45466656	1115.530 mg/L 112%
3) H Oil Range Organics	15.00	40350	0.990 mg/L

```
Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\1401014.D Vial: 14
Acq C     : 20 Jul 2005  21:05                          Operator: KMI
Sampl.    : 1000 ccv                                    Inst    : FID3
Misc      :                                             Multiplr: 1.00
IntFile   : EVENTS.E
Quant Time: Jul 21 14:12 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\2101021.D Vial: 21
Acq On : 21 Jul 2005 00:05 Operator: KMI
Sample : 0507-0666 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

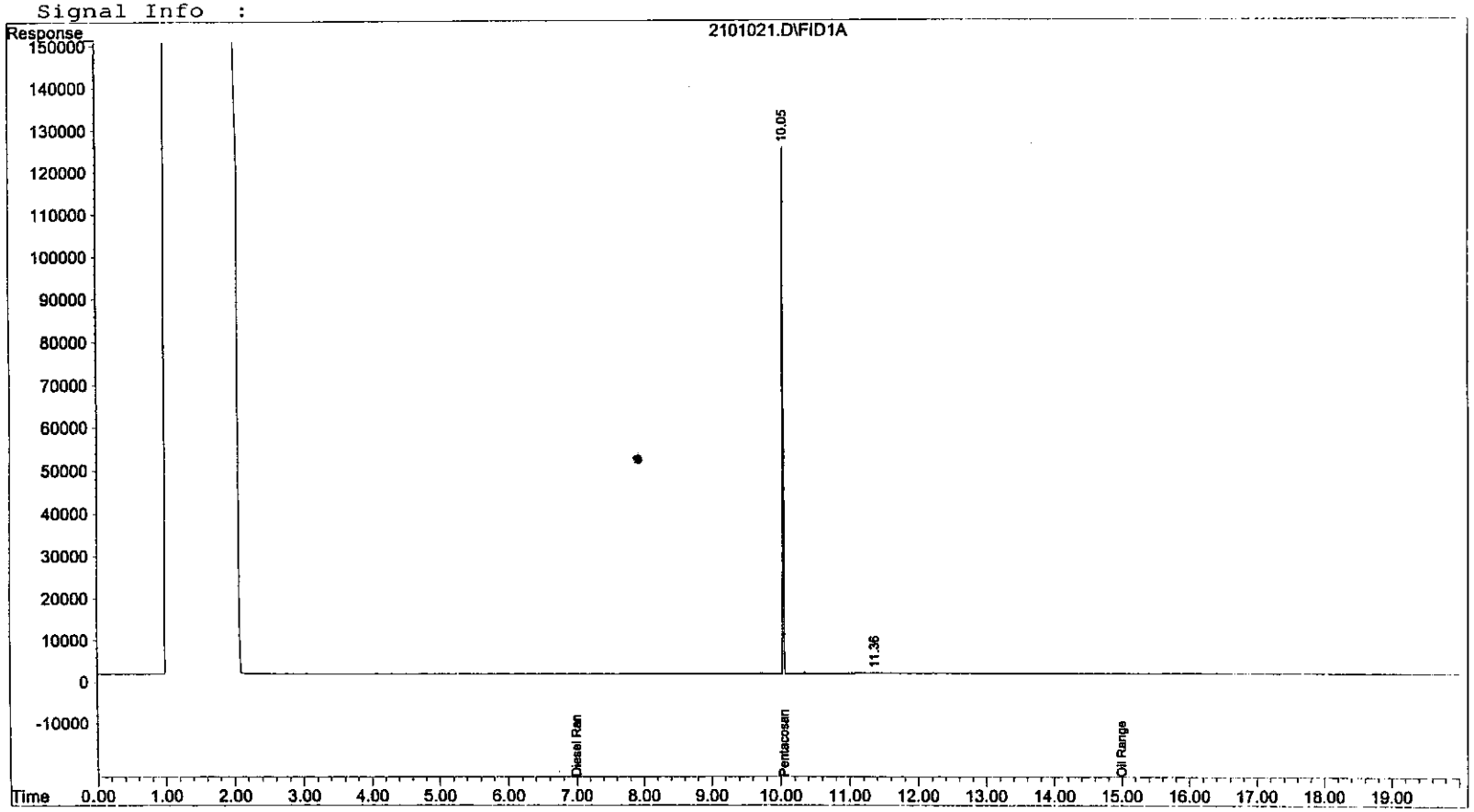
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1282677	32.118 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	128.47% 129%
Target Compounds			
2) H M Diesel Range Organics	7.00	40201	0.986 mg/L
3) H Oil Range Organics	15.00	31293	0.768 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
2101021.D 050331.M Thu Jul 21 13:14:10 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2101021.D Vial: 21
Acq : 21 Jul 2005 00:05 Operator: KMI
Sample : 0507-0666 Inst : FID3
Misc : EB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2201022.D Vial: 22
Acq On : 21 Jul 2005 00:31 Operator: KMI
Sample : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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

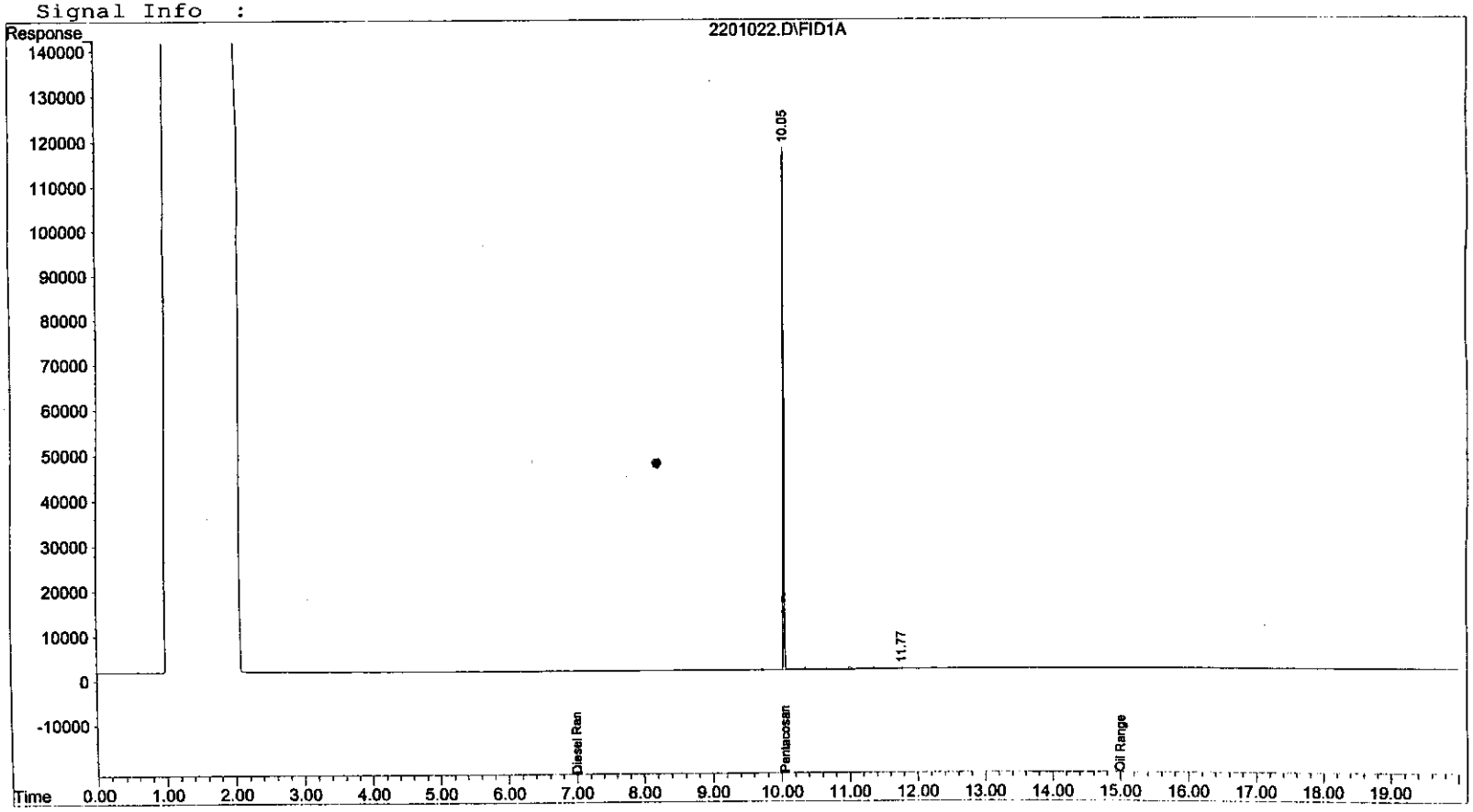
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1158074	28.998 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.99% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	48695	1.195 mg/L
3) H Oil Range Organics	15.00	34775	0.853 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2201022.D Vial: 22
Acq On : 21 Jul 2005 00:31 Operator: KMI
Sample : 0507-0667 Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2501025.D Vial: 25
Acq On : 21 Jul 2005 1:48 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 19105 Quant Results File: 050331.RES

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

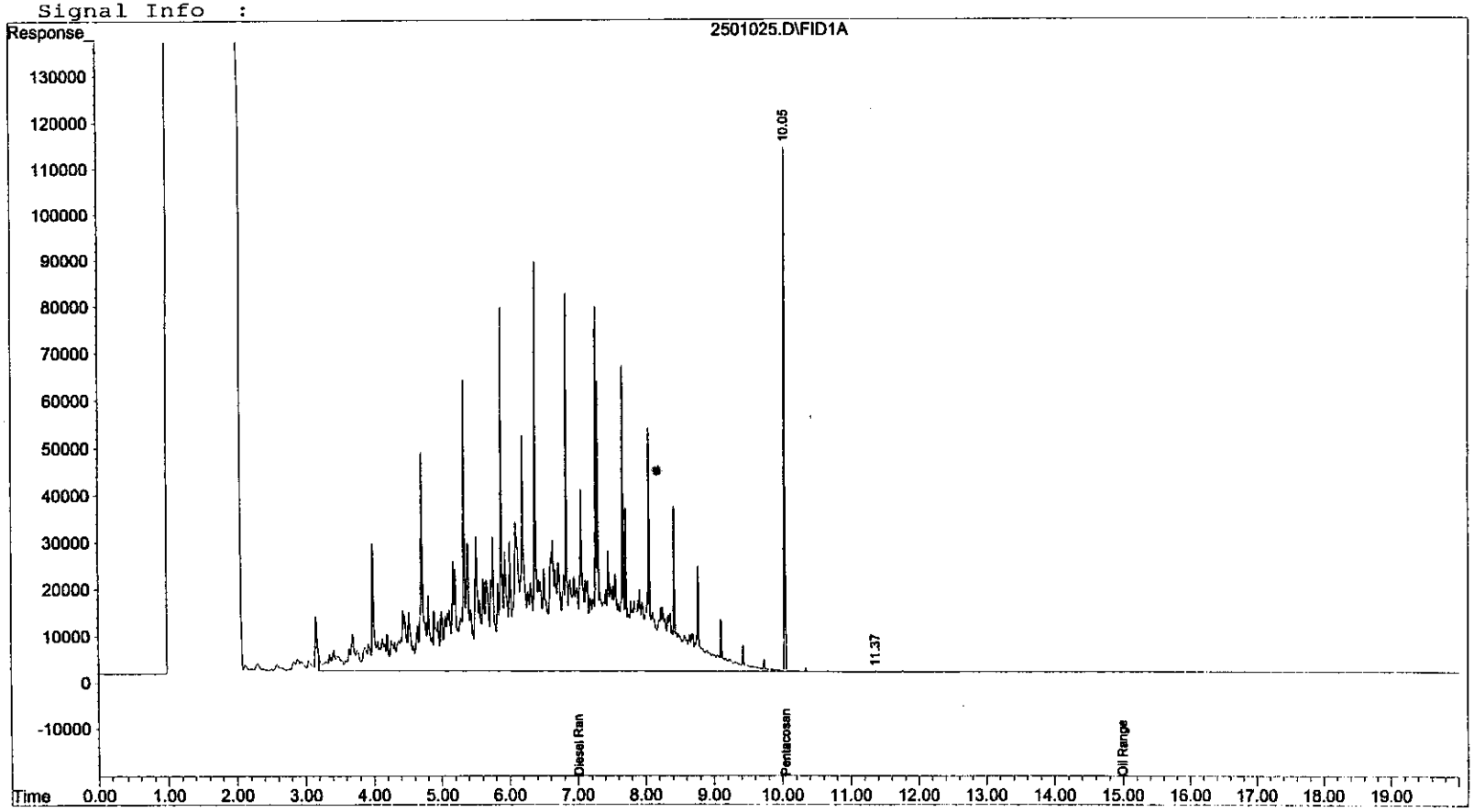
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S. Pentacosane	10.05	1173333	29.380 mg/L 118%
Spiked Amount 25.000 Range 80 - 144		Recovery =	117.52%
Target Compounds			
2) H M Diesel Range Organics	7.00	45374083	1113.259 mg/L 111%
3) H Oil Range Organics	15.00	28967	0.711 mg/L

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2501025.D Vial: 25
Acq C : 21 Jul 2005 1:48 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:14 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\2601026.D Vial: 26
Acq On : 21 Jul 2005 2:14 Operator: KMI
Sample : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

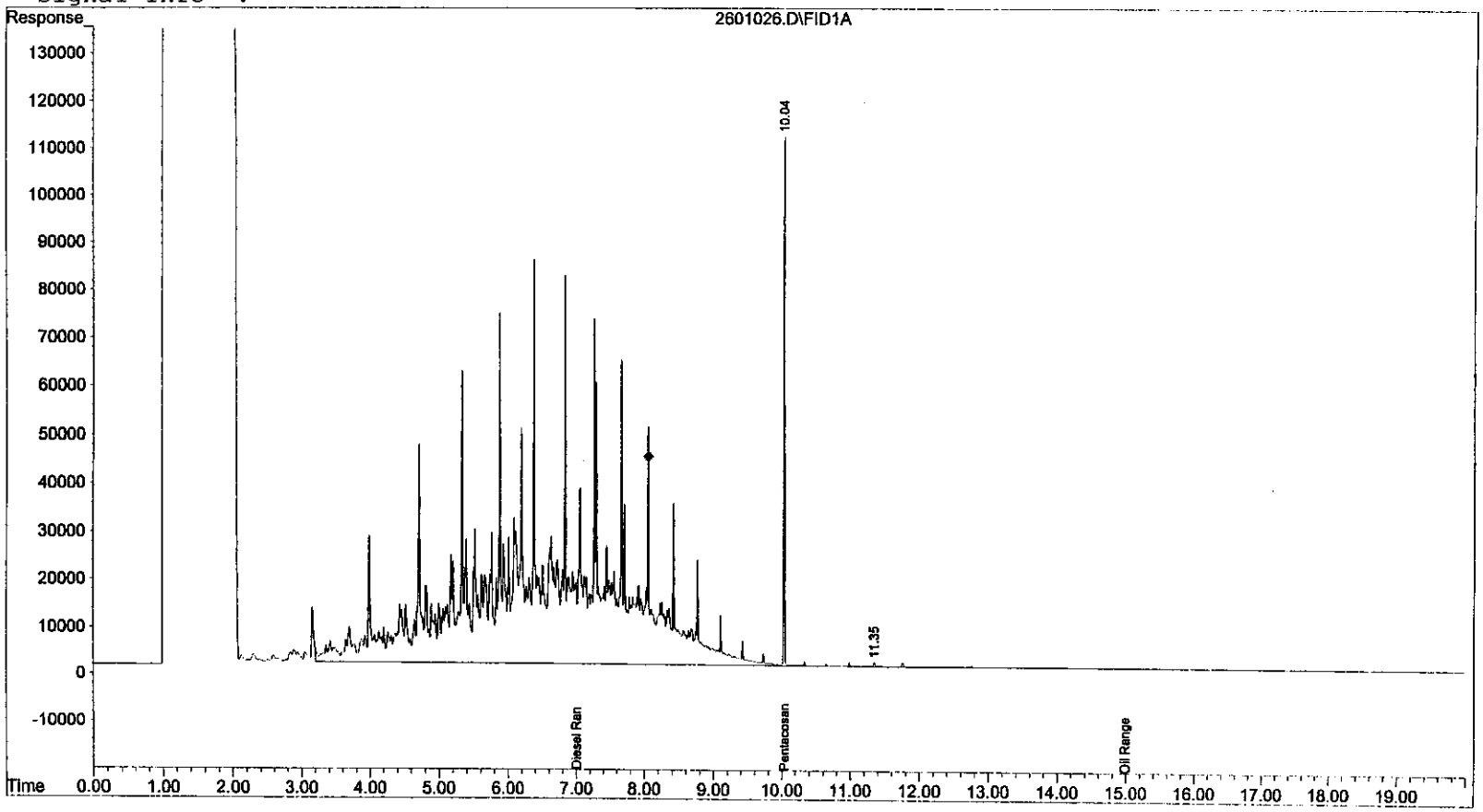
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1156475	28.958 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.83% 116%
Target Compounds			
2) H M Diesel Range Organics	7.00	43839478	1075.607 mg/L 108%
3) H Oil Range Organics	15.00	70320	1.725 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
2601026.D 050331.M Thu Jul 21 13:15:15 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2601026.D Vial: 26
Acq : 21 Jul 2005 2:14 Operator: KMI
Sample : 0507-0667 ms Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\2701027.D Vial: 27
Acq On : 21 Jul 2005 2:39 Operator: KMI
Sample : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

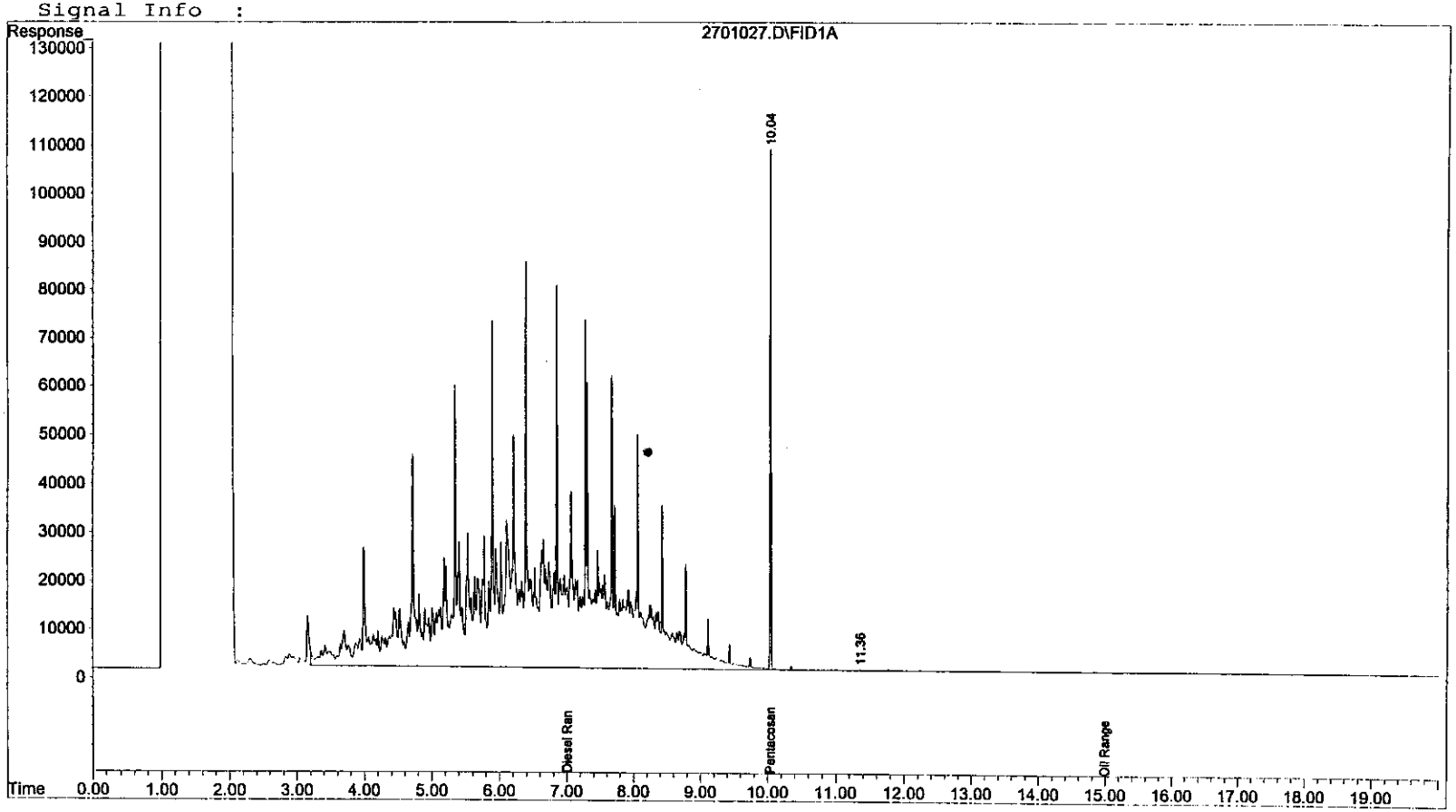
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1144154	28.649 mg/L 115%
Spiked Amount 25.000 Range 80 - 144		Recovery =	114.60%
Target Compounds			
2) H M Diesel Range Organics	7.00	42948298	1053.742 mg/L 105%
3) H Oil Range Organics	15.00	25147	0.617 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\2701027.D Vial: 27
Acq C : 21 Jul 2005 2:39 Operator: KMI
Sample : 0507-0667 msd Inst : FID3
Misc : FB Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:15 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\3601036.D Vial: 36
Acq On : 21 Jul 2005 6:30 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 19105 Quant Results File: 050331.RES

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

Volume Inj. :
Signal Phase :
Signal Info :

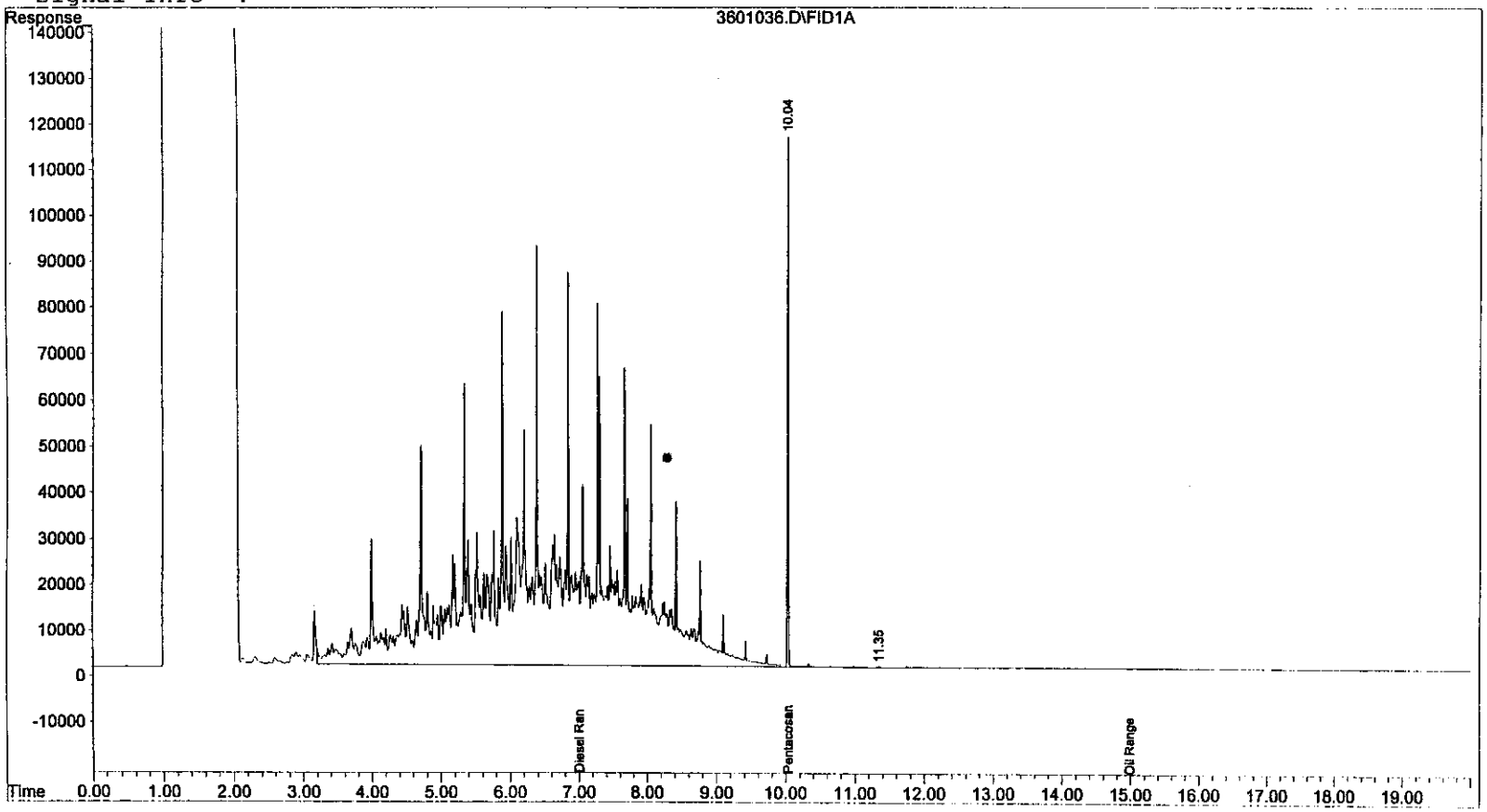
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1197961	29.996 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	119.98% 120%
Target Compounds			
2) H M Diesel Range Organics	7.00	46282939	1135.558 mg/L 114%
3) H Oil Range Organics	15.00	31663	0.777 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.
3601036.D 050331.M Thu Jul 21 13:17:46 2005 MSAD1 Page 1

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\3601036.D Vial: 36
Acq O : 21 Jul 2005 6:30 Operator: KMI
Sample : 1000 ccv Inst : FID3
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 21 14:17 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\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 Ini
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

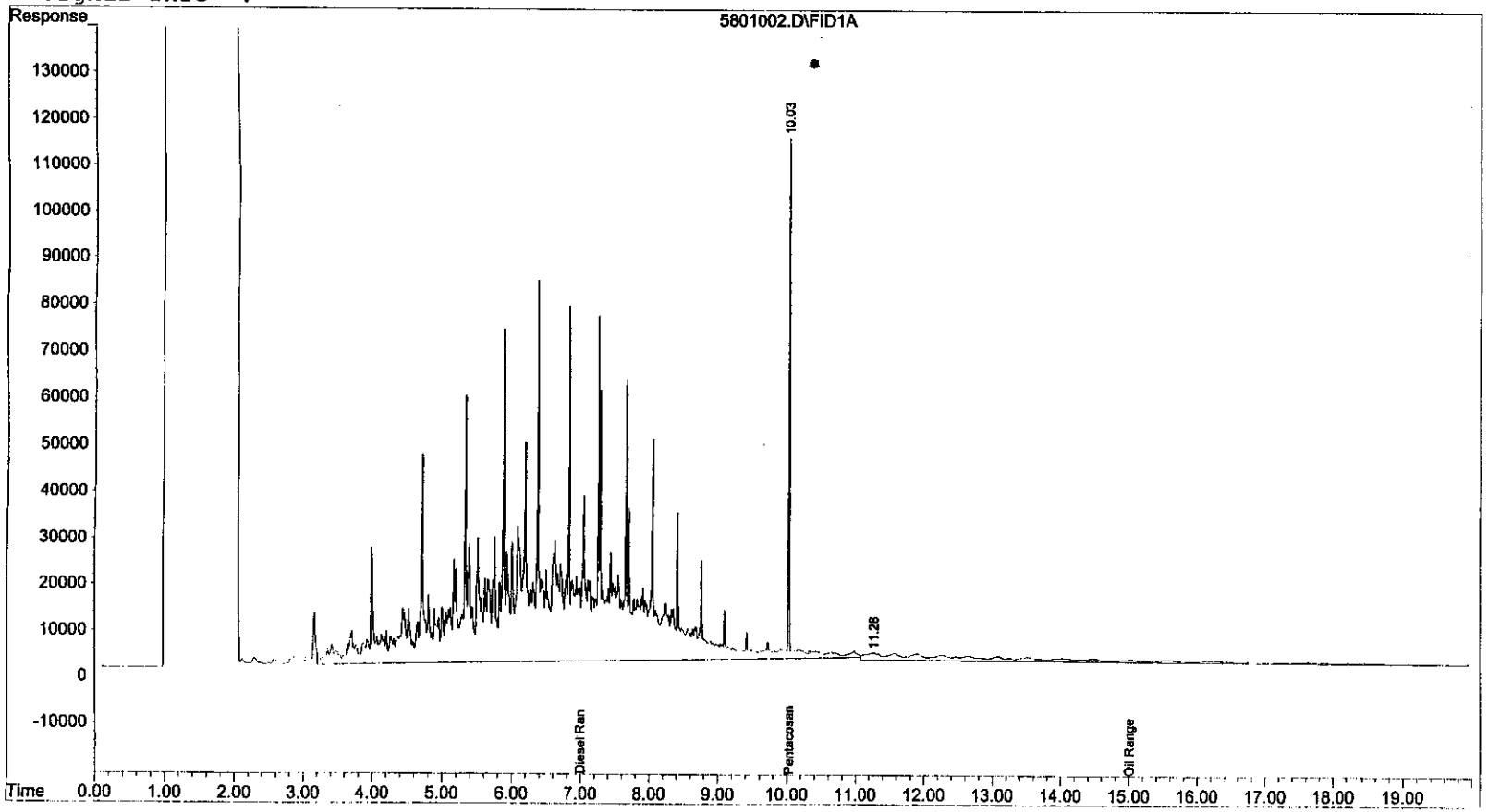
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1221809	30.594 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	122.38% 122%
Target Compounds			
2) H M Diesel Range Organics	7.00	45270817	1110.725 mg/L 111%
3) H Oil Range Organics	15.00	3742395	91.820 mg/L

Quantitation Report

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 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 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 In
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

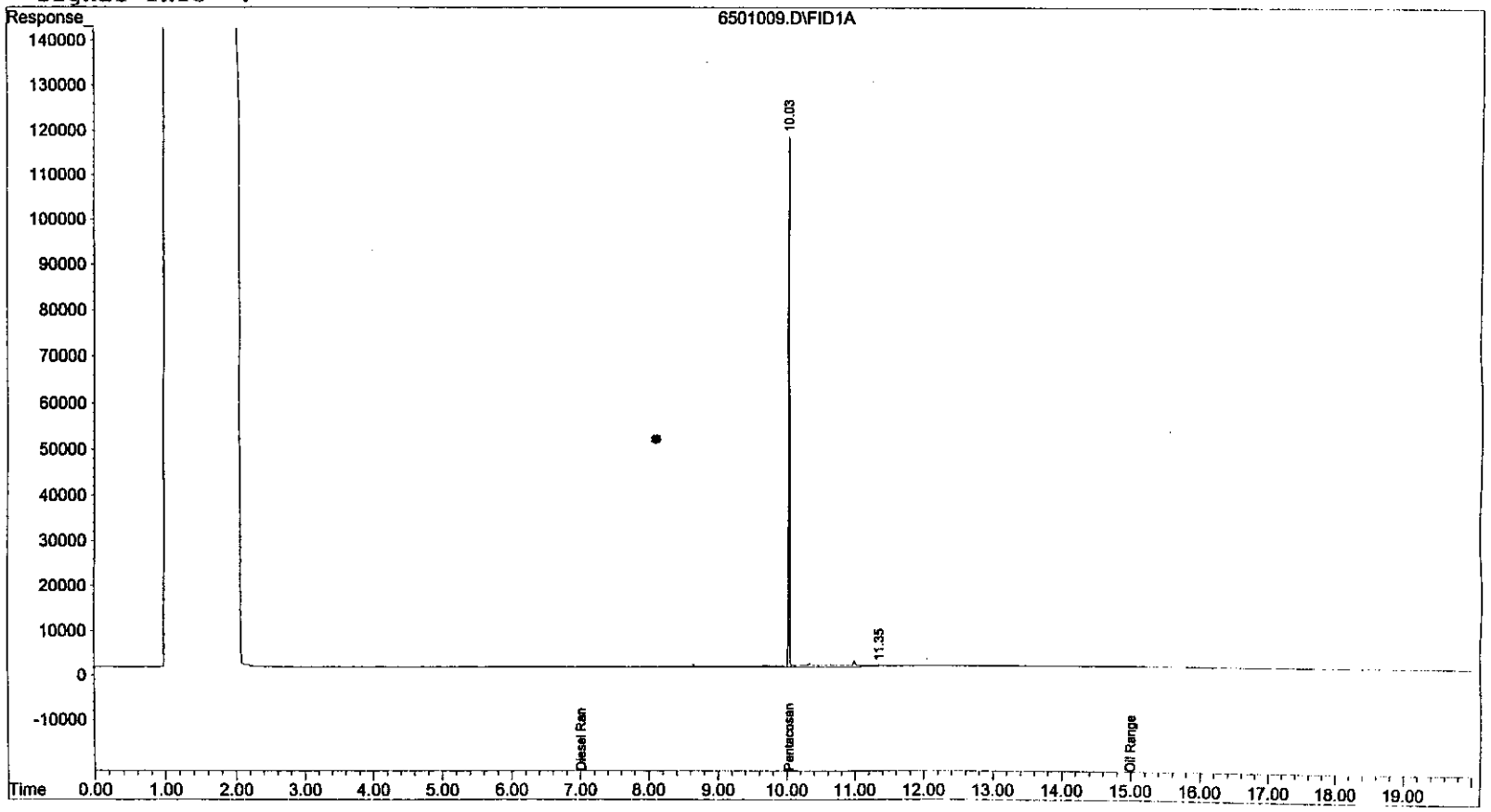
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.03	1273454	31.887 mg/L m
Spiked Amount 25.000 Range 80 - 144		Recovery =	127.55% 128%
Target Compounds			
2) H M Diesel Range Organics	7.00	134717	3.305 mg/L
3) H Oil Range Organics	15.00	26709	0.655 mg/L

Quantitation Report

Data le : O:\ORGANICS\HPCHEM\FID-003\DATA\05 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 :



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

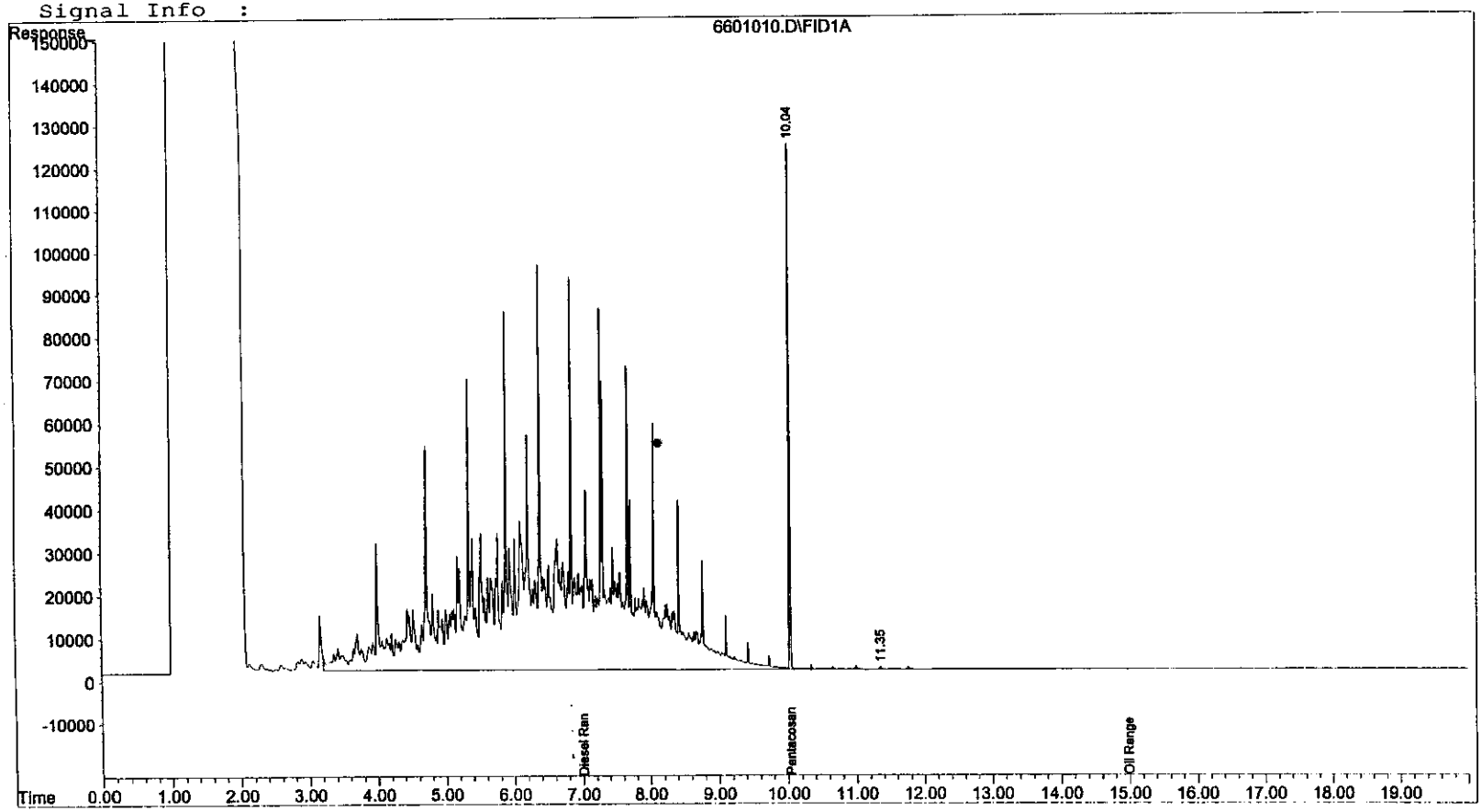
(f)=RT Delta > 1/2 Window (m)=manual int.
6601010.D 050331.M Fri Jul 22 08:36:55 2005 MSAD1 Page 1

Quantitation Report

Data le : 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\6701011.D Vial: 67
Acq On : 21 Jul 2005 22:12 Operator: KMI
Sample : 0507-0663 Inst : FID3
Misc : PD-31-SW-9 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	10.05	1215951	30.447 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	121.79% 122%
Target Compounds			
2) H M Diesel Range Organics	7.00	4655335	114.219 mg/L 11 mg/L
3) H Oil Range Organics	15.00	157812	3.872 mg/L

JL
07-22-05

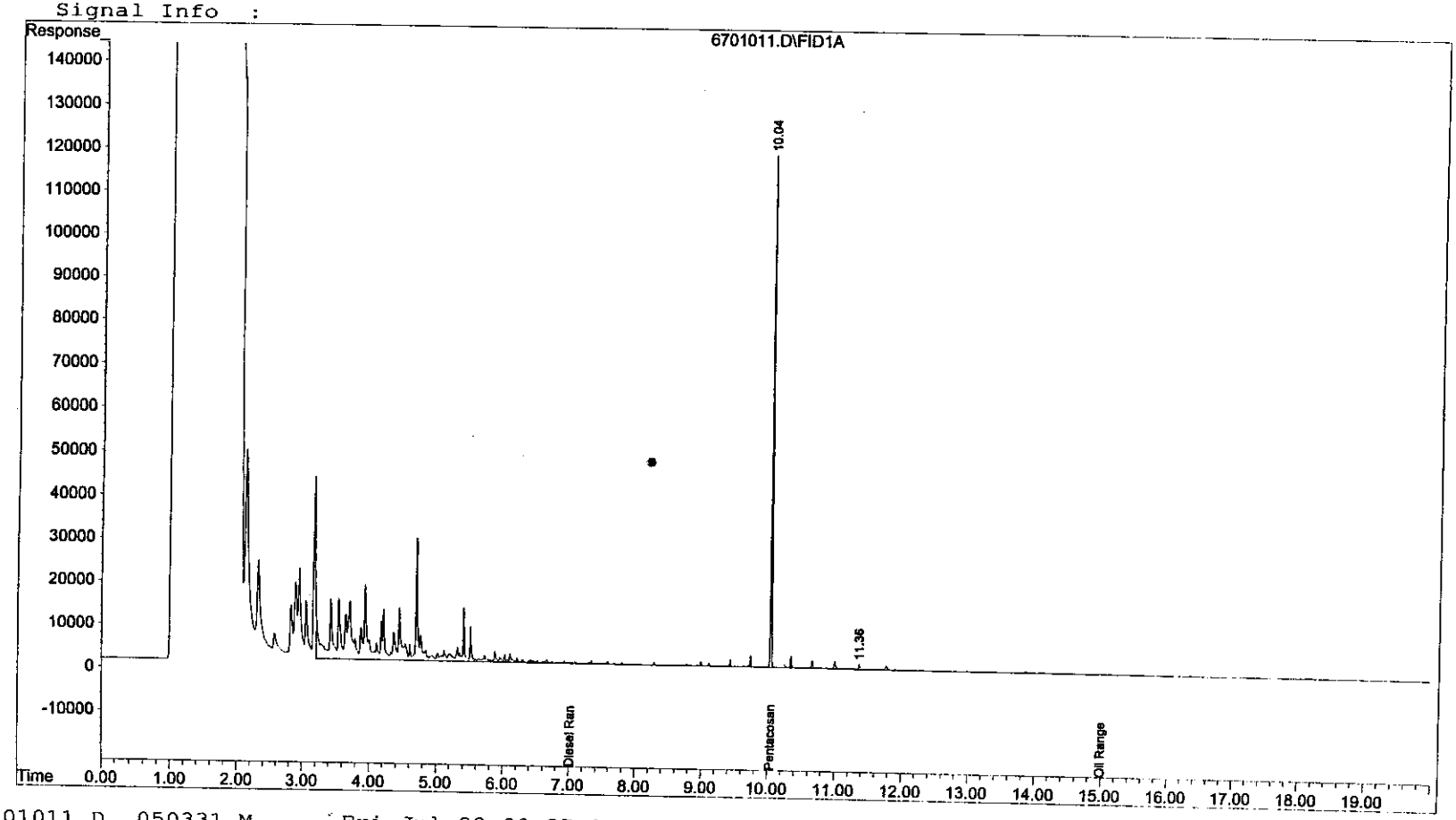
(f)=RT Delta > 1/2 Window (m)=manual int.
6701011.D 050331.M Fri Jul 22 08:37:13 2005 MSAD1 Page 1

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\6701011.D Vial: 67
Acq : 21 Jul 2005 22:12 Operator: KMI
Sample : 0507-0663 Inst : FID3
Misc : PD-31-SW-9 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

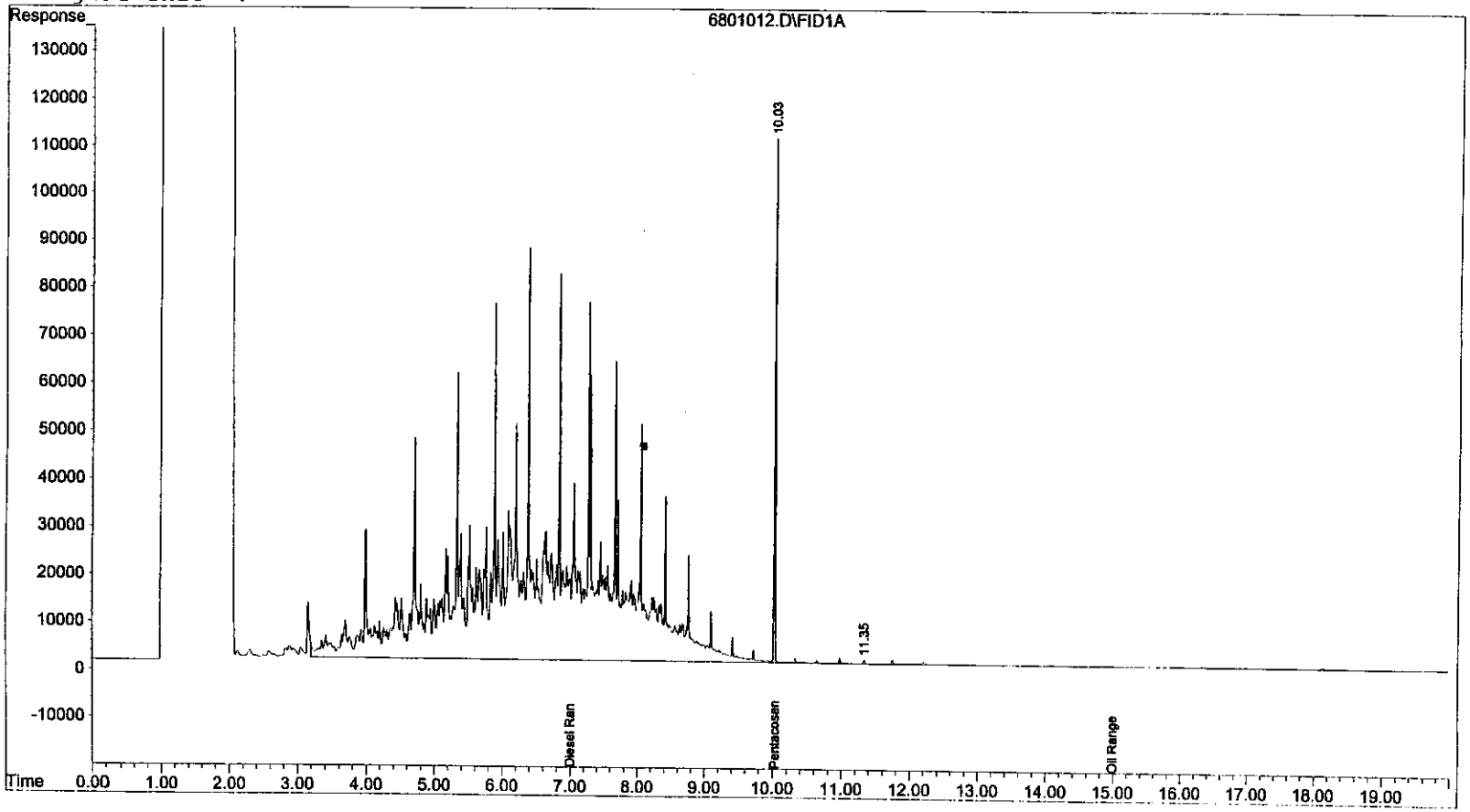
Volume Inj. :
Signal Phase :
Signal Info :

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\6801012.D Vial: 68
Acq : 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\6901013.D Vial: 69
Acq On : 21 Jul 2005 23:04 Operator: KMI
Sample : 0507-0664 Inst : FID3
Misc : PD-31-SW-C 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 In
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	1135313	28.428 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	113.71% 114%
Target Compounds			
2) H M Diesel Range Organics	7.00	3281494	80.512 mg/L 8.1mg/L
3) H Oil Range Organics	15.00	89983	2.208 mg/L

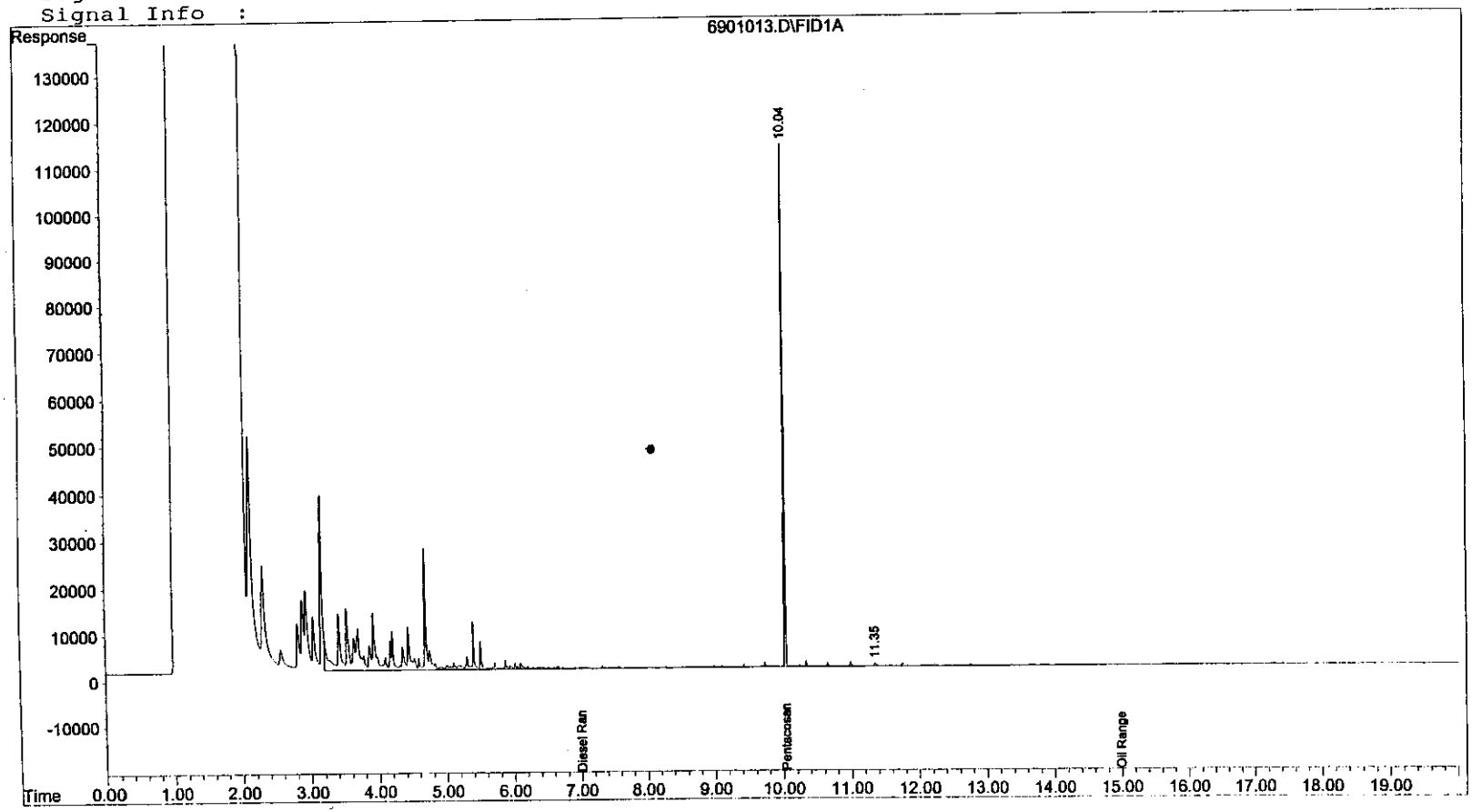
07-22-05

Quantitation Report

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050 0\6901013.D Vial: 69
Acq On : 21 Jul 2005 23:04 Operator: KMI
Sample : 0507-0664 Inst : FID3
Misc : PD-31-SW-C 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\7001014.D Vial: 70
Acq On : 21 Jul 2005 23:29 Operator: KMI
Sample : 0507-0665 Inst : FID3
Misc : PD-30-SW-10 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 :

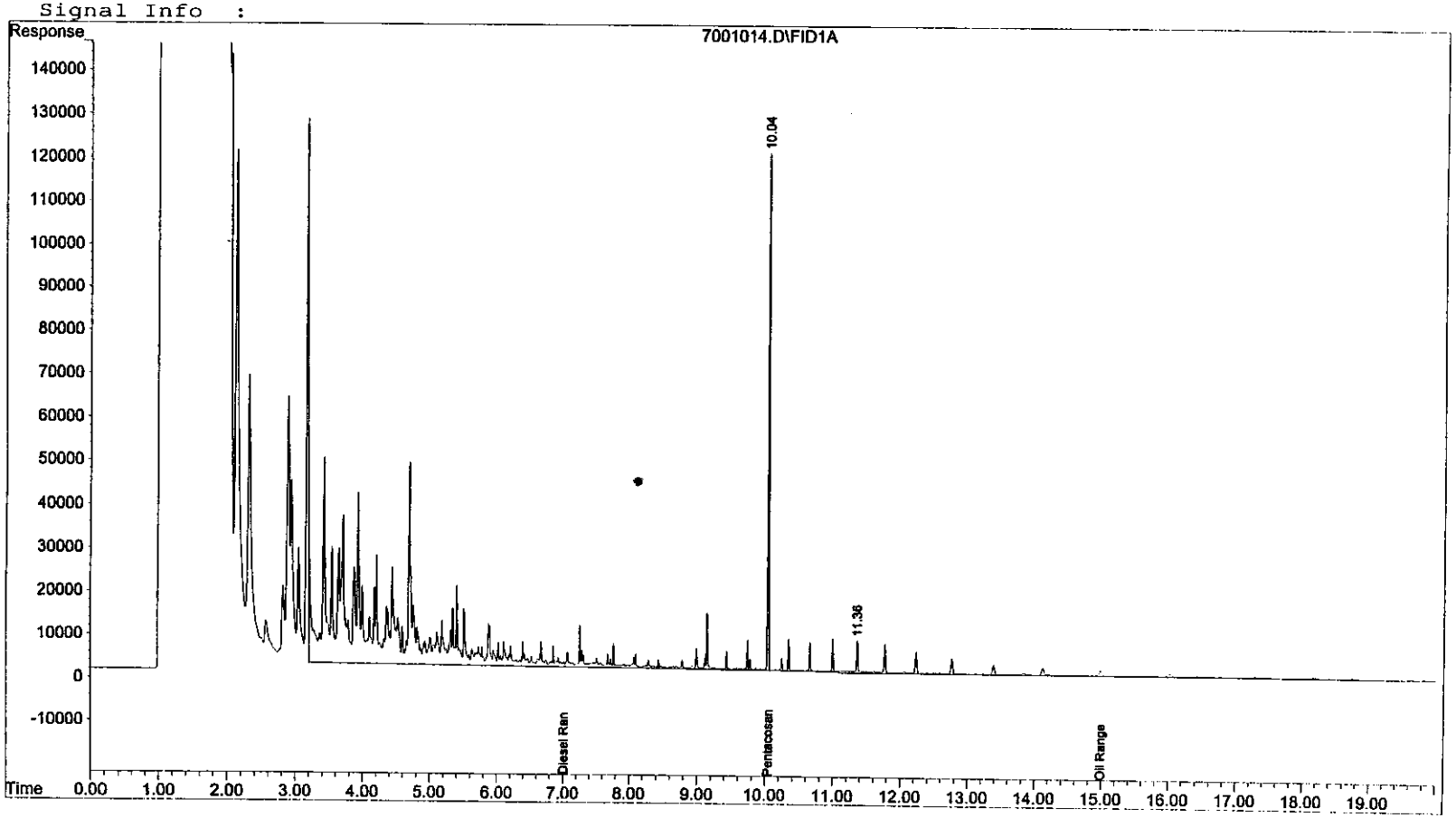
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	1237004	30.974 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	123.90% 124%
Target Compounds			
2) H M Diesel Range Organics	7.00	13080388	320.929 mg/L 32 mg/L
3) H Oil Range Organics	15.00	823472	20.204 mg/L 2 mg/L

PL
07-22-05

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7001014.D Vial: 70
Acq : 21 Jul 2005 23:29 Operator: KMI
Sample : 0507-0665 Inst : FID3
Misc : PD-30-SW-10 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\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 Ini
Title :
Last Update : Tue Jun 07 08:41:18 2005
Response via : Initial Calibration
DataAcq Meth : DROFID3.M

Volume Inj. :
Signal Phase :
Signal Info :

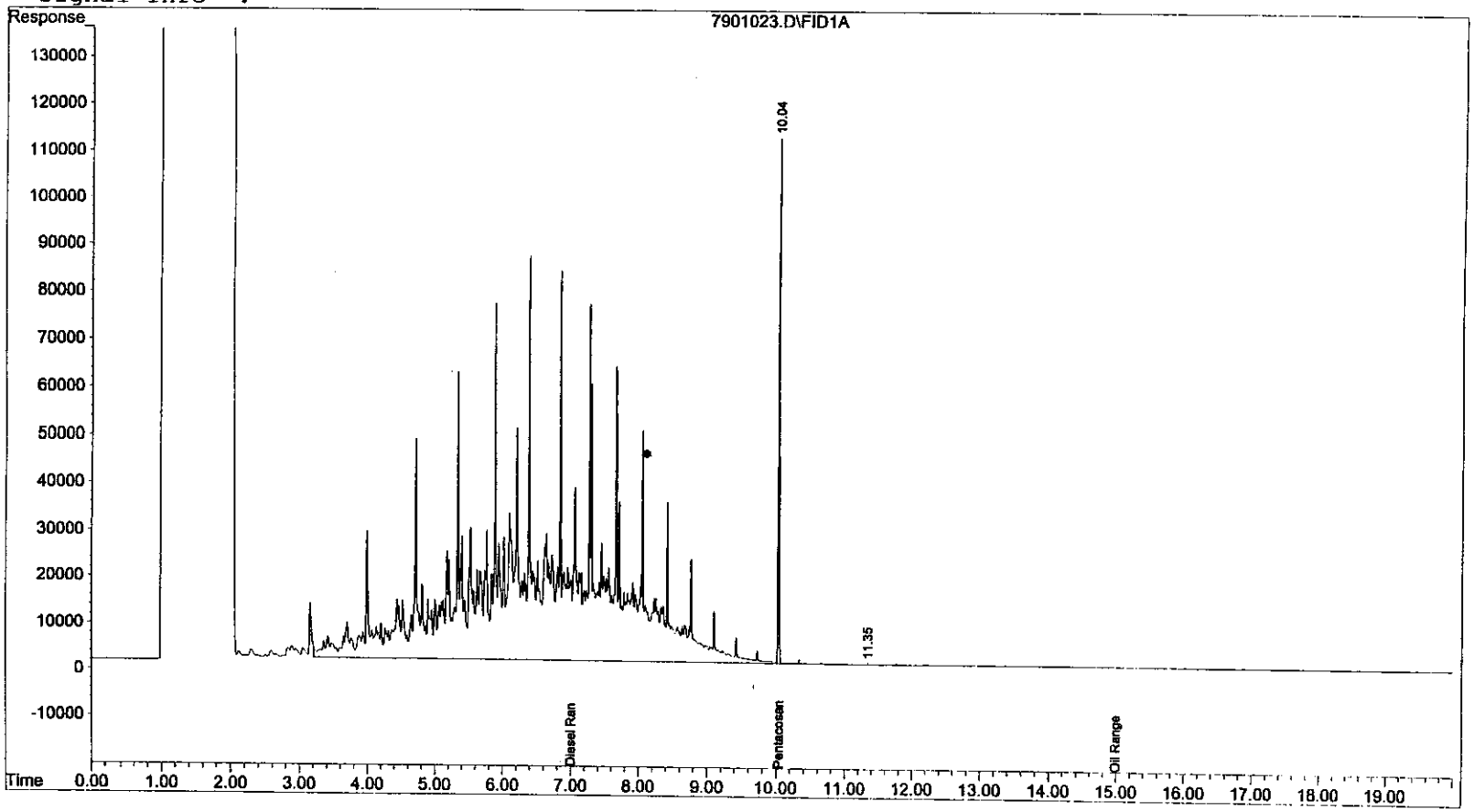
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1150296	28.803 mg/L
Spiked Amount 25.000 Range 80 - 144		Recovery =	115.21% 115%
Target Compounds			
2) H M Diesel Range Organics	7.00	44272994	1086.243 mg/L 109%
3) H Oil Range Organics	15.00	27447	0.673 mg/L

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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\7901023.D Vial: 79
Acq : 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 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 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 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

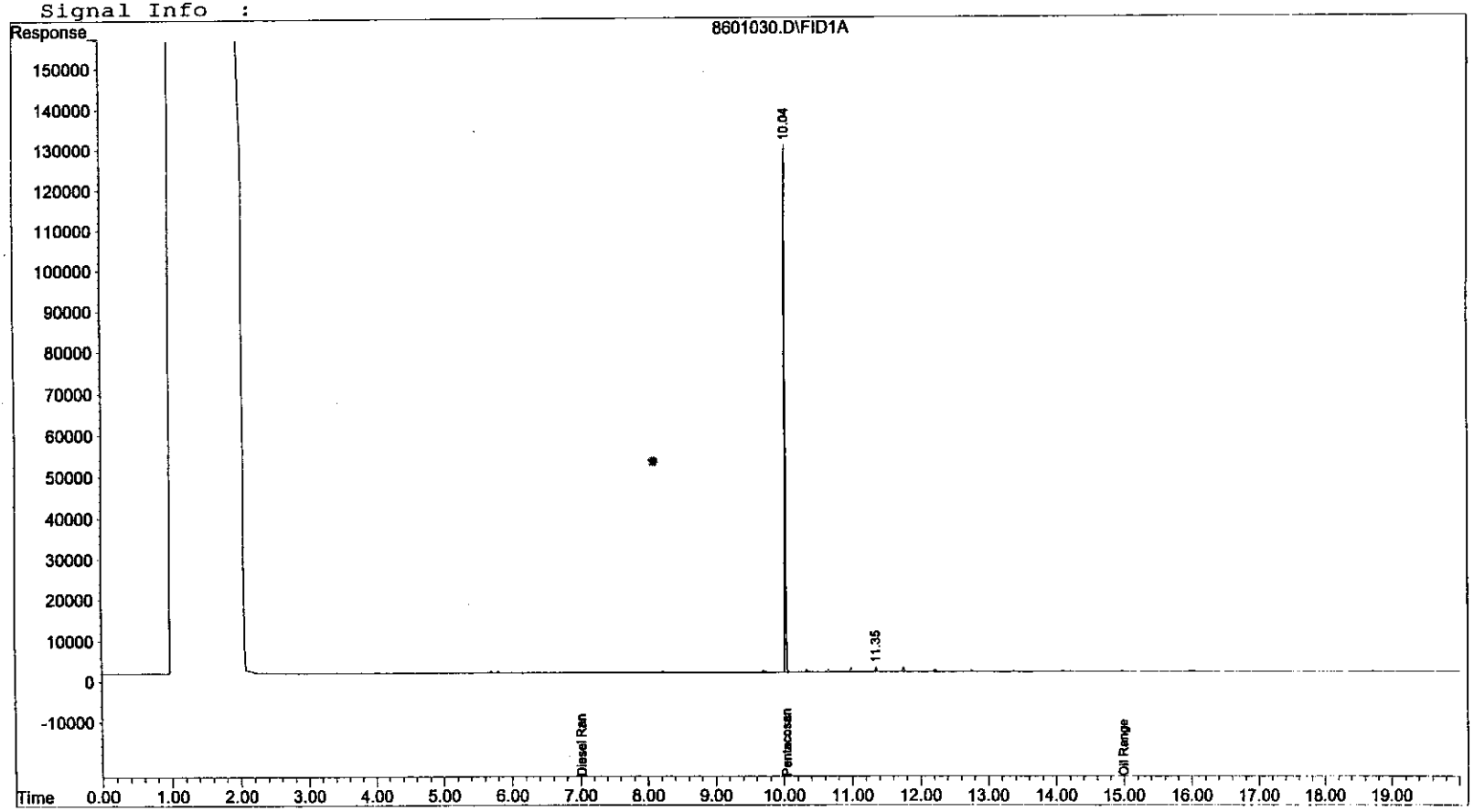
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data le : O:\ORGANICS\HPCHEM\FID-003\DATA\05 0\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

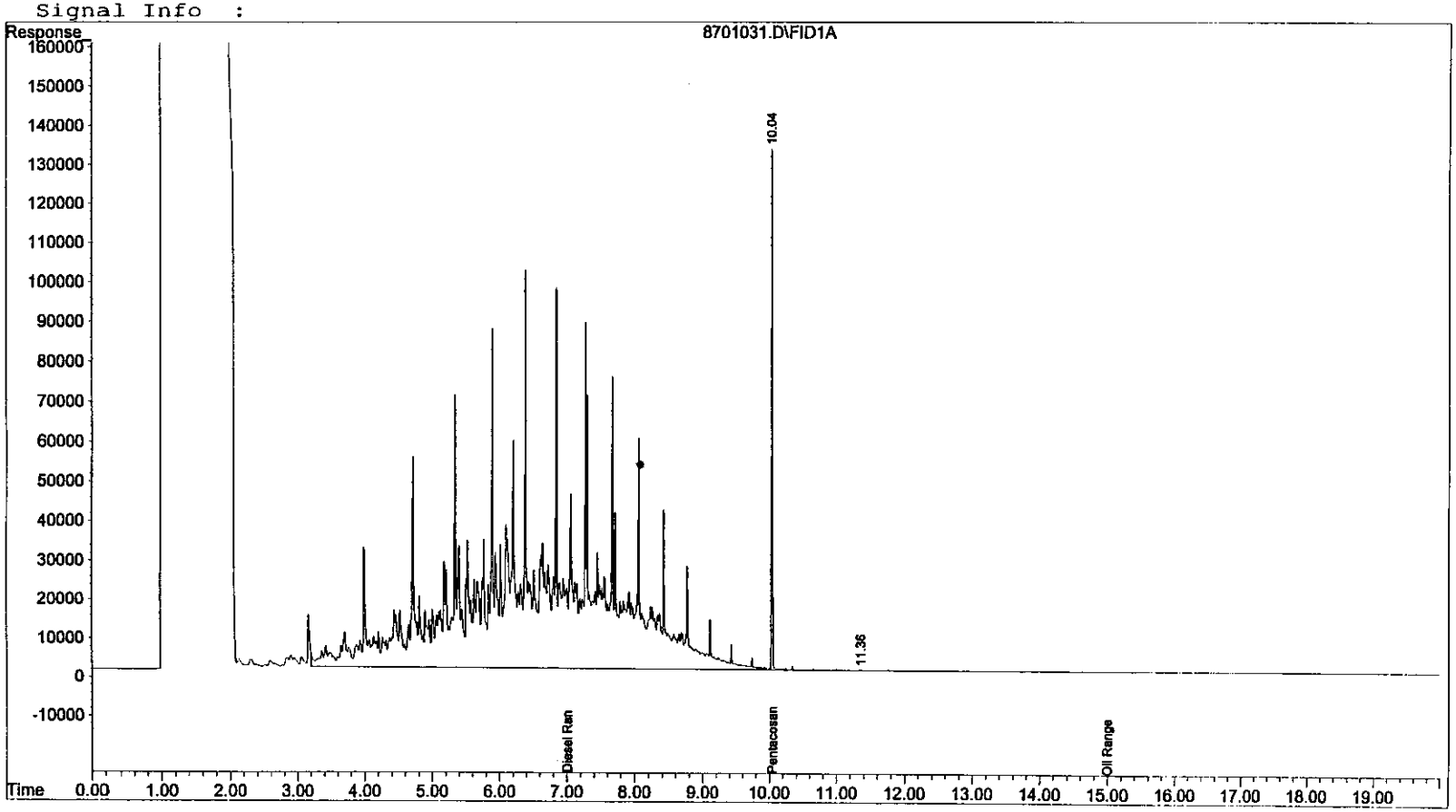
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data Fi : O:\ORGANICS\HPCHEM\FID-003\DATA\050 0\8701031.D Vial: 87
Acq : 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 Operator: KMI
Sample : 0507-0927 msd Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Jul 22 9:44 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

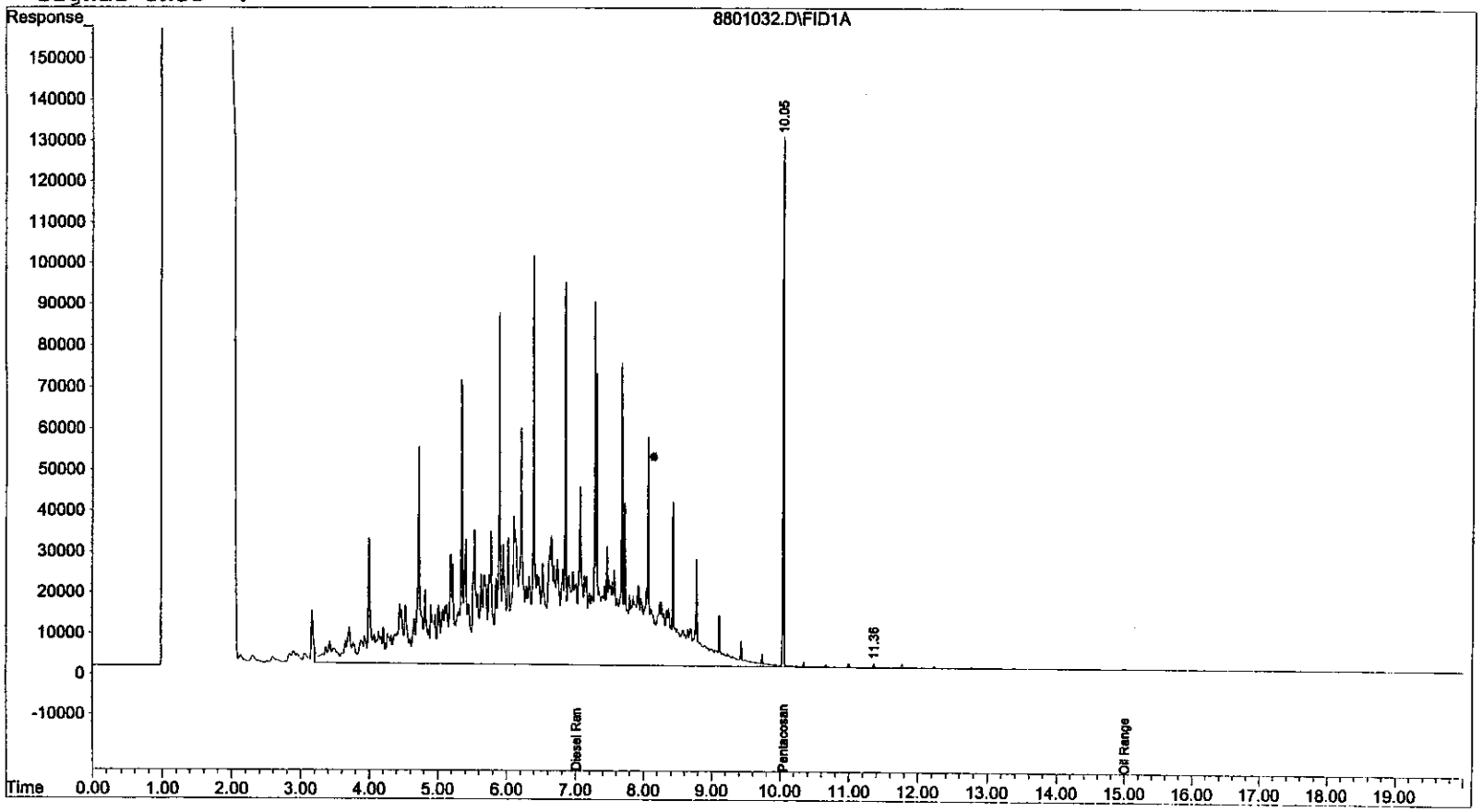
Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.05	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

Data File : O:\ORGANICS\HPCHEM\FID-003\DATA\050720\8801032.D Vial: 88
Acq : 22 Jul 2005 7:11 Operator: KMI
Samp : 0507-0927 msd Inst : FID3
Misc : Field Blank Multiplr: 1.00
IntFile : EVENTS.E
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 :



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 :

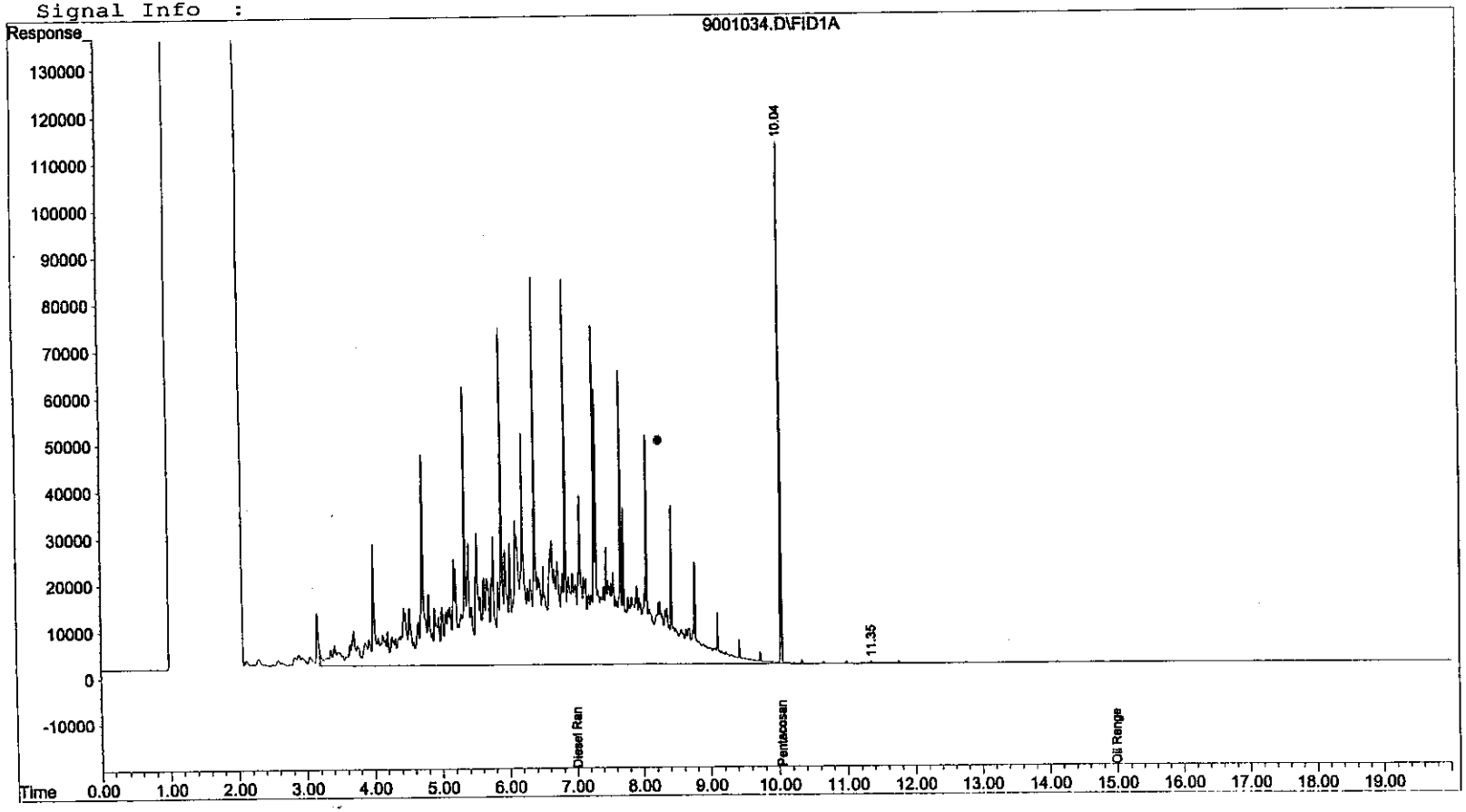
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Pentacosane	10.04	1131525	28.333 mg/L 113%
Spiked Amount 25.000 Range 80 - 144		Recovery =	113.33%
Target Compounds			
2) H M Diesel Range Organics	7.00	43583872	1069.336 mg/L 107%
3) H Oil Range Organics	15.00	41734	1.024 mg/L

Quantitation Report

Data O:\ORGANICS\HPCHEM\FID-003\DATA\0507 \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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www.pacelabs.com

July 29, 2005

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Dear Mr. Martinez:

Enclosed are analytical results for samples submitted to Pace Analytical by AGES. The samples were received on July 26, 2005. Please reference Pace project number 05-1816 when inquiring about this report.

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Pace Sample Identification	Client Sample Identification
0507-1743	MSEI-MW-1
0507-1744	MSEI-MW-A
0507-1745	MSEI-MW-2
0507-1746	MSEI-MW-3

Pace Sample Identification	Client Sample Identification
0507-1747	MSEI-MW-4
0507-1748	EB
0507-1749	FB
0507-1750	TB

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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www.pacelabs.com

Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Lab Project ID: **05-1816**
Lab Sample ID: **0507-1743**
Client Sample ID: **MSEI-MW-1**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	7.0	0.50	mg/L	KIS	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	510	100	mg/L	RGG	07/29/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	11	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	79	5.0	mg/L	RGG	07/29/2005	0002191-1	<0.0050
Toluene	8021B(1)	12	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	230	10	mg/L	RGG	07/29/2005	0002191-1	<0.010
o-Xylene	8021B(1)	15	1.3	mg/L	RGG	07/28/2005	0002191-1	<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. Sample preservation for GRO/BTEX does not meet EPA recommendations for pH.

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Lic. Sandra Y. Laboy Olivieri
Lic.# 4122
QUIMICO LICENCIADO

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Mr. Dario Martinez
AGES
P.O. Box 1054
Dorado, PR 00646-1054

Lab Project ID: **05-1816**
Lab Sample ID: **0507-1744**
Client Sample ID: **MSEI-MW-A**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	16	0.50	mg/L	KIS	07/28/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/28/2005	0002173-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	360	25	mg/L	RGG	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	11	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	46	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B(1)	7.9	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	140	5.0	mg/L	RGG	07/29/2005	0002191-1	<0.010
o-Xylene	8021B(1)	7.2	1.3	mg/L	RGG	07/28/2005	0002191-1	<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. Sample for GRO/BTEX was received with headspace in the VOA vials. Sample preservation for GRO/BTEX does not meet EPA recommendations for pH.

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Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Lab Project ID: **05-1816**
Lab Sample ID: **0507-1745**
Client Sample ID: **MSEI-MW-2**
Sample Matrix: Aqueous

Date Sampled: 07/26/2005
Date Received: 07/26/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	6.3	0.50	mg/L	KIS	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	570	50	mg/L	RGG	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	69	2.5	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	36	2.5	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B(1)	22	2.5	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	120	5.0	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B(1)	10.0	2.5	mg/L	RGG	07/28/2005	0002191-1	<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. Fingerprint of the sample chromatogram compares to gasoline. Sample preservation for GRO/BTEX does not meet EPA recommendations for pH.

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Lab Project ID: **05-1816**
Lab Sample ID: **0507-1746**
Client Sample ID: **MSEI-MW-3**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	1.2	0.50	mg/L	KIS	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	180	25	mg/L	RGG	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	30	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	12	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B(1)	20	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	35	2.5	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B(1)	12	1.3	mg/L	RGG	07/28/2005	0002191-1	<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. Fingerprint of the sample chromatogram compares to gasoline. Sample for GRO/BTEX was received with headspace in the VOA vials. Sample preservation for GRO/BTEX does not meet EPA recommendations for pH.

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Lab Project ID: **05-1816**
Lab Sample ID: **0507-1747**
Client Sample ID: **MSEI-MW-4**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

GC Semi Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
DRO	Mod 8015(1)	1.5	0.50	mg/L	KIS	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<5.0

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Gasoline Range Organics (GRO)	8015(1)	180	25	mg/L	RGG	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	22	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	13	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B(1)	19	1.3	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	42	2.5	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B(1)	15	1.3	mg/L	RGG	07/28/2005	0002191-1	<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. Sample for GRO/BTEX was received with headspace in the VOA vials. Sample preservation for GRO/BTEX does not meet EPA recommendations for pH.

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Lab Project ID: **05-1816**
Lab Sample ID: **0507-1748**
Client Sample ID: **EB**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

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	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015(1)	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<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	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B(1)	<0.010	0.010	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B(1)	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<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: **05-1816**
Lab Sample ID: **0507-1749**
Client Sample ID: **FB**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

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	07/27/2005	0002173-1	<0.50
Oil Range Organics (ORO)	Mod 8015[1]	<5.0	5.0	mg/L	KIS	07/27/2005	0002173-1	<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	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B[1]	<0.010	0.010	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<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: **05-1816**
Lab Sample ID: **0507-1750**
Client Sample ID: **TB**
Sample Matrix: Aqueous

Client Site: CORCO
Client Ref.: CORCO Main Site # 2

Date Sampled: 07/26/2005
Date Received: 07/26/2005

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	07/28/2005	0002192-1	<0.10
Volatile Organic Compounds, GC								
Benzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Ethylbenzene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
Toluene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<0.0050
m,p-Xylene	8021B[1]	<0.010	0.010	mg/L	RGG	07/28/2005	0002191-1	<0.010
o-Xylene	8021B[1]	<0.0050	0.0050	mg/L	RGG	07/28/2005	0002191-1	<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.

Approved by: _____ Date: 08/03/05

ESTADO LIBRE ASOCIADO DE PUERTO RICO
Lic. Sandra Y. Laboy Olivieri
Lic. # 4122
A 1032675
QUIMICO LICENCIADO

REPORT OF LABORATORY ANALYSIS

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Page: of 907769

Section A Required Client Information:

Company:	AGES INC
Address:	PO Box 1054
	Dorado PR 00646-1054
Email To:	AGES@coqui.net
Phone:	270-3100
Fax:	270-3110
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	AGES
Copy To:	
Purchase Order No.:	
Project Name:	Corco Main Site #2
Project Number:	

Section C Invoice Information:

Attention:	AGES
Company Name:	AGES
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

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

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☑OTHER PR

05-1816

Section D Required Client Information

SAMPLE ID — One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	GRO	DRO	ORO	BTEX	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MSEI-MW-1	WT	G			7/26/05	12:55		4	X			X					X	X	X	X		0507-1743
2	MSEI-MW-A						12:57																1744
3	MSEI-MW-2						1:30																1745
4	MSEI-MW-3						2:20																1746
5	MSEI-MW-4						2:40																1747
6	EB						12:30																1748
7	FB						2:45																1749
8	TB						2:50		3														1750
9																							
10																							
11																							
12																							

Filtered (Y/N) — Requested Analysis: GRO, DRO, ORO, BTEX

KMM 7/27/05

Additional Comments:
P/S Send GC Chromatograms
QA/QC calibration Curve
Expand Chromatogram to identify any trace compounds and make me a note which compound did you find, Then ill Take another sample for That Parameter only.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	7/26/05	6:06 pm	JBAP	7/26/05	6:06 pm
① JBAP	7/26/05	7:30 pm	KMM	7/27/05	7:07 Am

SAMPLE CONDITION

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

① temp is 10C.

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joaquin A. Vargas

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 7/26/05

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL JBAP 7/26/05

ALLQ020rev.3,31Mar05

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

Notebook for: Instrument Run Log Instrument ID: PADC-PID/FID-001 S/N: 3235A46559 Book No.: 4

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-368	bcc1	GC-S-1-358	is1	n/a	m1	n/a	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	GC-S-1-358
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

AP 7/29/05

#	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	n/a	n/a	029F0101	Water	5mL	1	7/28/05 12:12	**Run# 4113**
2	n/a	GRO CCV	n/a	n/a	030F0201	Water	5mL	1	7/28/05 12:44	
3	n/a	BTEX CCV	n/a	n/a	031F0301	Water	5mL	1	7/28/05 13:17	
4	n/a	MB Aq	n/a	2191/2192	032F0401	Water	5mL	1	7/28/05 14:15	
5	n/a	LCS Aq	n/a	2191/2192	001F0501	Water	5mL	1	7/28/05 14:48	
6	n/a	LCSD Aq	n/a	2191/2192	002F0601	Water	5mL	1	7/28/05 15:20	
7	05-1802	1657	~~<2~~ >2	2191/2192	003F0701	Water	0.01mL	500	7/28/05 15:53	Unpreserved
8	05-1802	1663	<2	2191/2192	004F0801	Water	1mL	5	7/28/05 16:25	
9	05-1816	1748	<2	2191/2192	005F0901	Water	5mL	1	7/28/05 16:58	
10	05-1816	1749	<2	2191/2192	006F1001	Water	5mL	1	7/28/05 17:34	
11	05-1816	1750	<2	2191/2192	007F1101	Water	5mL	1	7/28/05 18:07	
12	05-1816	1743	~~<2~~ >2	2191/2192	008F1201	Water	0.02mL	250	7/28/05 18:39	RR 1000X G,E,mp Unpreserved
13	05-1816	1744	~~<2~~ >2	2191/2192	009F1301	Water	0.02mL	250	7/28/05 19:12	RR 500X mp Unpreserved, Headspace
14	n/a	GRO CCV	n/a	n/a	010F1401	Water	5mL	1	7/28/05 19:44	
15	n/a	BTEX CCV	n/a	n/a	011F1501	Water	5mL	1	7/28/05 20:17	
16	05-1802	1657	~~<2~~ >2		018F1601	Water	0.005mL	1000	7/28/05 20:50	RR 5000X T-- DNR
17	n/a	LCS Aq	n/a	2191/2192	019F1701	Water	5mL	1	7/28/05 21:23	ms2 for benzene only
18	n/a	LCSD Aq	n/a	2191/2192	020F1801	Water	5mL	1	7/28/05 21:55	ms2 for benzene only
19	05-1816	1745	~~<2~~ >2	2191/2192	012F1901	Water	0.01mL	500	7/28/05 22:28	Unpreserved, Headspace FID
20	05-1816	1746	~~<2~~ >2	2191/2192	013F2001	Water	0.02mL	250	7/28/05 23:00	Headspace
21	05-1816	1747	~~<2~~ >2	2191/2192	014F2101	Water	0.02mL	250	7/28/05 23:33	AP 7/29/05 Headspace

Pace Analytical

PACE ANALYTICAL DEL CARIBE

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

Notebook for: Instrument Run Log Instrument ID: PADC-PID/FID-001 S/N: 3235A46559 Book No.: 4

Spike ID's:

Surrogate ID's:		CCV Spike ID's:		Internal Standard		MeOH ID's:		ICV/LCS/MS/MSD	
ws1	GC-S-1-368	bcc1	GC-S-1-358	is1	n/a	m1	n/a	ms1	GC-1-109D
ws2	n/a	bcc2	n/a	is2	n/a	m2	n/a	ms2	GC-S-1-358
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
22	n/a	GRO CCV	n/a	n/a	015F2201	Water	5mL	1	7/29/05 0:05	
23	n/a	BTEX CCV	n/a	n/a	016F2301	Water	5mL	1	7/29/05 0:38	

AP 7/29/05

Spike Recovery and RPD Summary Report - WATER

Method : O:\ORGANICS\HPCHEM\17PIDF~1\1METHODS\1GRO0727.M (Chemstation Integrator)
Title :
Last Update : Thu Jul 28 16:47:49 2005
Response via : Initial Calibration

Non-Spiked Sample: 032F0401.D

	Spike Sample	Spike Duplicate Sample
File ID :	001F0501.D	002F0601.D
Sample :	LCS Aq,,,2	LCSD Aq,,,2
Acq Time:	28-Jul-2005, 14:48:09	28-Jul-2005, 15:20:52

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Benzene	0.0	50	45	52	89	104	15	20	70-130
Toluene	0.0	124	125	130	100	105	4	20	70-130
Ethylbenzene	0.0	29	33	33	113	113	1	20	70-130
m,p-Xylene	0.0	102	111	111	109	109	0	20	70-130
o-Xylene	0.0	41	42	44	101	108	6	20	70-130
Gasoline	0.0	1650	1789	1843	109	112	3	20	70-130

- Fails Limit Check

Benzene was rerun due to coeluting peaks.

1GRO0727.M Fri Jul 29 10:22:56 2005 VOA