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Environmental Health

Paulette Satterley
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Telephone 916-768-2003

June 20, 2011

Ms. Barbara Jakub
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Fuel Leak Case No: RO0000133

Enclosed please find the 2011 First Semi-Annual Groundwater Monitoring Report dated June 8th, 2011. This request was prepared by Taber Consultants of West Sacramento, California.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

Paulette Satterley

Paulette Satterley

2011 FIRST SEMI-ANNUAL MONITORING REPORT

Former City of Paris Cleaners
3516 Adeline Street
Oakland, California 94608

USTCF Claim #002192

Prepared For:

Ms. Paulette Satterley
14601 Guadalupe Drive
Rancho Murieta, CA 95683

Prepared By:

Taber Consultants
3911 West Capitol Avenue
West Sacramento, CA 95691

Taber Project # 051074

June 8, 2011

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1.0 INTRODUCTION

1.1 Project Description

On behalf of the Ms. Paulette Satterley, Taber Consultants has prepared this *2011 First Semi-Annual Monitoring Report* for submittal to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and Alameda County Health Care Services Agency (ACHSA). The scope of work conducted during this project complies with existing SFBRWQCB and ACHSA directive letters.

1.2 Site Location and Description

The former City of Paris Cleaners, located at 3516 Adeline St., Oakland, CA, is a former dry cleaning, laundry and dyeing operation currently owned by Mrs. Debra Runyon. The facility operated as City of Paris Cleaners and Dyers for about 40 years until the 1960's, but cleaning materials and tanks were not completely removed from the site until 1992. The site buildings remained vacant for a number of years following the closure of the dry cleaning operation, and then the owner converted them to residential and light commercial use.

The site lies at the southeastern corner of the intersection of 35th Street and Adeline Street at approximately 30 feet above mean sea level (amsl) in the northwest portion of the City of Oakland, California. The site buildings currently house on-site living quarters and City of Paris Studios, a workshop for art, art restoration, collectibles and hobbies. Mrs. Runyon acquired the site in July 2000.

1.3 Chronological Site History and Previous Subsurface Investigations

In 1987, Frank Champion, the owner at that time, applied for permits for remove Stoddard Solvent storage tanks at the site. Mr. Champion applied for five permits, obtaining permission to remove two 1000-gallon tanks, a 500-gallon tank, a 250-gallon tank and a 150-gallon tank. Underground storage tanks at the site were used to store Stoddard Solvent, the dry cleaning solvent used during operation of the dry cleaning facility until the 1960s when the facility was closed.

On October 4, 1990, Semco Company of San Mateo excavated and reported removing one 750-gallon and two 1,000-gallon underground tanks used to store Stoddard Solvent. Six soil samples were collected in conjunction with the UST removal.

On July 31 and August 1 and 2, 1991, Uriah Inc. (UES) performed a soil vapor survey at the site using photoionization technology (a Photovac TIP I) in an attempt to define the approximate boundaries of soil impacted by Stoddard Solvent. Soil vapors were found to be widely distributed across the site, but due to physical impediments posed by site structures, sidewalks, etc., the full extent of the impacted soil was not defined.

UES contracted W.A. Craig to overexcavate the eastern portion of the tank pit on August 30, 1991. Approximately 44 cubic yards were excavated and placed in a cell for on-site bioremediation of the impacted soil. During overexcavation, EUS reports that the contractor discovered an additional 250-gallon UST containing "a small volume of liquid" that was stored in a 55-gallon drum on site after removing an aliquot for analysis. This UST was removed and disposed by W. A. Craig on October 31, 1991. An additional 15 cubic yards was overexcavated from the tank pit by W.A. Craig on January 27, 1992 and added to the on-site bioremediation cell.

On March 31, 1992, composite samples of the on-site bioremediated soil were analyzed to verify that sufficient hydrocarbon removal had occurred to reuse as fill on the site. No additional soils were excavated due to safety concerns regarding building foundation integrity, however soil samples were collected from the tank pit side walls. ACHCSA approved use of the bioremediated soil as backfill, and W. A. Craig backfilled the tank pit with bioremediated soil and clean fill on April 21, 1992.

On October 29 and 30, 1992, UES supervised on-site installation of ground water monitoring wells. Soils Exploration Services of Vacaville, California, installed three 30-foot monitoring wells. Initial depth to groundwater measurements in the wells ranged from 13 to 14 feet below grade. Beginning November 18, 1992, groundwater samples were analyzed for Total Petroleum Hydrocarbons (as Stoddard Solvent, TPH-SS), Total Petroleum Hydrocarbons (as diesel, TPH-D), Total Petroleum Hydrocarbons (as gasoline, TPH-G), methyl tertiary butyl ether (MTBE), benzene, toluene, ethylbenzene and total xylenes (BTEX). Samples from all three monitoring wells contained TPH-SS ranging from 630 parts per billion (ppb) in MW-2 to 11,000 ppb in MW-3. TPH-D, TPH-G, MTBE and BTEX concentrations were below laboratory detection limits.

On March 19, 1998, Dugan Associates of San Jose, California (Dugan) advanced six on and off-site soil borings to a total depth of 18 feet below grade. Five of the soil borings were advanced on the north side of 35th Street in the projected downgradient direction from the site (EB-2 through EB-6). One soil boring was advanced on-site to the northwest of the former UST location (EB-1). At each soil boring, Dugan collected a soil sample at 5, 10 and 15 feet below grade and one grab-groundwater sample at 18 feet below grade . The on-site soil boring (EB-1) groundwater sample concentration was 270,000 ppb TPH-SS, with one off-site groundwater sample (EB-5) reporting 780 ppb TPH-SS. Concentrations of analytes for all other groundwater samples from the soil borings were below laboratory detection limits. Soil samples at EB-1 contained 310 and 340 ppb of TPH-SS at 10 and 15 ft. below grade, respectively, and trace amounts of total xylenes and/or toluene.

In September, 1999, ACHSA issued a directive letter which required groundwater analysis for semivolatile organics (SVOCs) and volatile organics (VOCs) historically associated with dry cleaning operations. In December 1999, using EPA method 625 and 3510, or 8270 and 3550, 1,2-dichlorobenzene (DCB), 1,1-dichloroethane (1,1 DCA), 2-methylnaphthalene and naphthalene were detected in samples from one or more wells. Concentrations of other SVOC and VOC analytes were below laboratory detection limits, including denser than aqueous phase

liquids (DNAPLs, i.e. pentachlorophenol (PCP)). At that time Dugan defined a north-trending groundwater gradient at 0.003 ft./ft.

In their September, 1999 letter, the ACHSA also noted that according to a database search they believed a 97-foot industrial well had been drilled at the site. The well was located southeast of Monitoring Well 3 (Figure 2).

In March 2002, in compliance with an ACHSA directive letter, WellTest, Inc. (formerly Dugan and Associates) redeveloped the three monitoring wells (by purging 10 well-volumes) and sampled the three wells pursuant to quarterly monitoring responsibilities. WellTest, Inc. also sampled the industrial well on-site. The analytical results of the sampling indicated up to 11,000 micrograms per liter (µg/L) of TPH-SS in the sample from MW-1, no BTEX above laboratory detection limits, up to 31 µg/L MTBE in the sample from MW-3, 0.61 µg/L DCB in the sample from MW-1, and 130 ug/l Naphthalene in MW-1. The groundwater gradient was also defined to the southeast at 0.14 ft./ft., which appears to be an anomalously steep gradient for this site. This steep gradient may be a result of sediment blocking some or all of the screened section of one or more well. When Dugan redeveloped the wells in 2002, they appear to have adversely impacted the ability of the wells to adjust to changing water levels.

Taber Consultants, formerly Western Resource Management (WRM), assumed environmental consulting responsibilities for the site commencing in June 2007. Taber performed groundwater monitoring at the site for the first and second semiannual periods of 2009. In response to a query by ACHSA, Taber submitted a well completion report request to the California Department of Water Resources, in which undated well boring logs for a well at the City of Paris Cleaners, at 3516 Adeline Street, indicated a 97-foot industrial well on the site. Taber also found well drilling information for another industrial well drilled in 1927 for the City of Paris Cleaners, drilled to 295 feet. The location of this well is unknown, and the well could have been covered by buildings constructed after the well was taken out of service.

July 28, 2009, ACHCSA advised Responsible Parties that The California State Water Resources Control Board (State Water Board) had approved Resolution No. 2009-0042, which reduced quarterly groundwater monitoring requirements to semiannual or less frequent monitoring at all sites. In 2009, Taber reduced monitoring at the City of Paris Cleaners site to two semiannual monitoring events at the site in February and August. Corresponding reports were the First Semiannual and Second Semiannual Monitoring Reports.

In August of 2009 Taber Consultants evaluated using the HydraSleeve® no-purge sampling protocol at the site. With verbal authorization from Barbara Jakub of ACHCSA, on March 17, 2010, Taber Consultants implemented ongoing use of the HydraSleeve® sampling protocol for all wells at the site.

2.0 GROUNDWATER MONITORING ACTIVITIES AND RESULTS

On March 23, 2011, Taber Consultants visited the site to measure water levels and collect groundwater samples from monitoring wells MW-1 through MW-3 and the industrial well W-IND. Also, the top of casing (TOC) elevations for the four wells were re-surveyed on March 23, 2011.

2.1 Well-Head Resurvey

Monitoring well elevations were referenced to a City of Oakland benchmark located north of the site at the intersection of Adeline Street and MacArthur Boulevard by a Taber Consultants engineer. The benchmark was labeled as "City of Oakland Survey Station, Section 7, STA A, ECC" with a published NAVD 88 elevation of 37.5 feet above mean sea level (feet amsl).

Taber Consultants report the following top of casing elevations in Table 2, Groundwater Monitoring and Analytical Results – Summary:

Well ID	Date of Original TOC Survey	Original TOC Elevation (feet amsl)	Revised TOC Elevation (feet amsl)
MW-1	11/18/1992	17.44	31.30
MW-2	11/18/1992	17.31	31.03
MW-3	11/18/1992	17.44	31.13
W-IND	None	None	32.48

2.2 Groundwater Elevation Measurements

Depth-to-groundwater was measured in the three monitoring wells and industrial well (MW-1, MW-2, MW-3 and W-IND) using a water level meter capable of measurements to within 0.01 foot. Depth to groundwater was 6.75, 6.22, 3.58, and 8.32 feet below top of casing (BTOC) in MW-1, MW-2, MW-3 and W-IND, respectively. Depth to groundwater data were converted to groundwater elevations referenced to feet above mean sea level (amsl). Corresponding groundwater elevations were 24.55, 24.81, 27.55 and 24.16 feet amsl.

On March 23 upon removing the MW-3 well box cover, it was observed that the well cap was off of the well head. Pressure in the well likely forced the cap off of the well casing and may have resulted in higher than normal water level in MW-3. As a result, the groundwater gradient and flow direction was not calculated for this reporting period. The groundwater elevations for the

wells are shown on Figure 3 and summarized in Tables 1 and 2. Field data sheets for the groundwater monitoring are included as Appendix A.

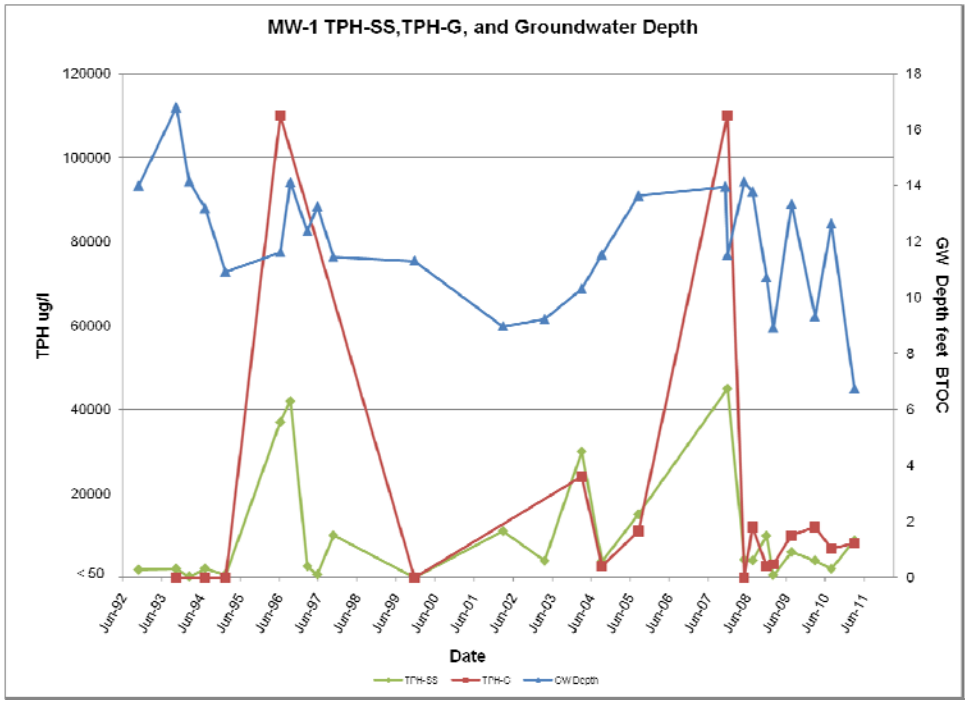
2.3 Groundwater Sampling and Analysis

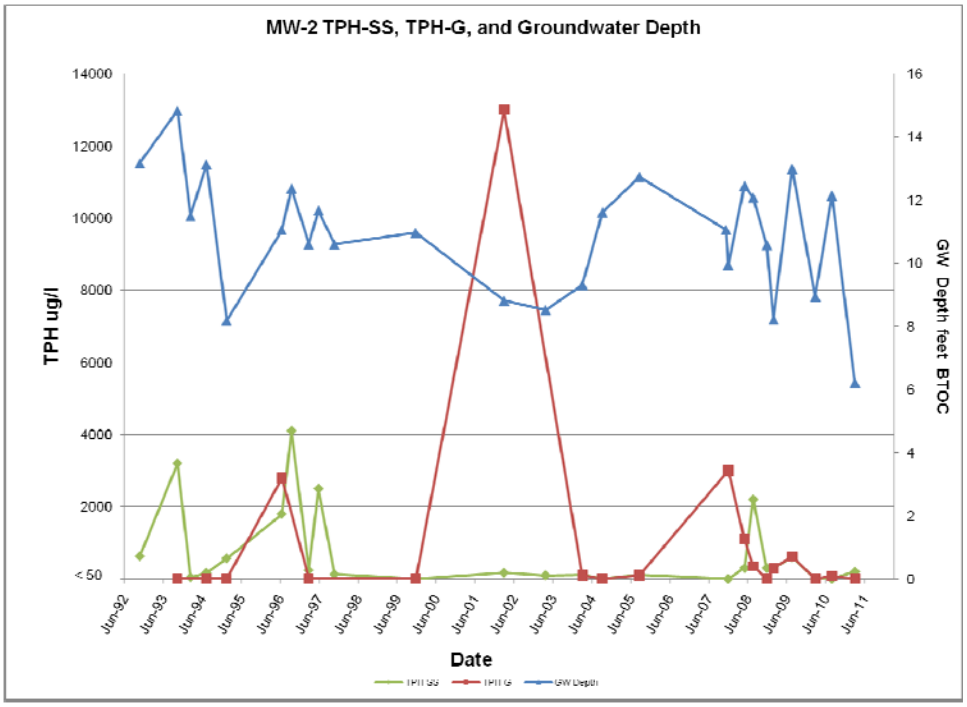
Following groundwater level measurements, the four wells were sampled in accordance with the HydraSleeve® no-purge sampling protocol. The HydraSleeve® was lowered into the well, water levels were allowed to equilibrate, then a representative sample from the groundwater was collected using the HydraSleeve® as it was carefully retrieved from the well. Taber Consultants then transferred the sample from the HydraSleeve® into the laboratory-supplied containers. The samples were transported in an iced cooler with chain-of-custody documentation to Sparger Technology, Inc. (Sparger), of Rancho Cordova, California, a state certified analytical laboratory (ELAP Certification #1614).

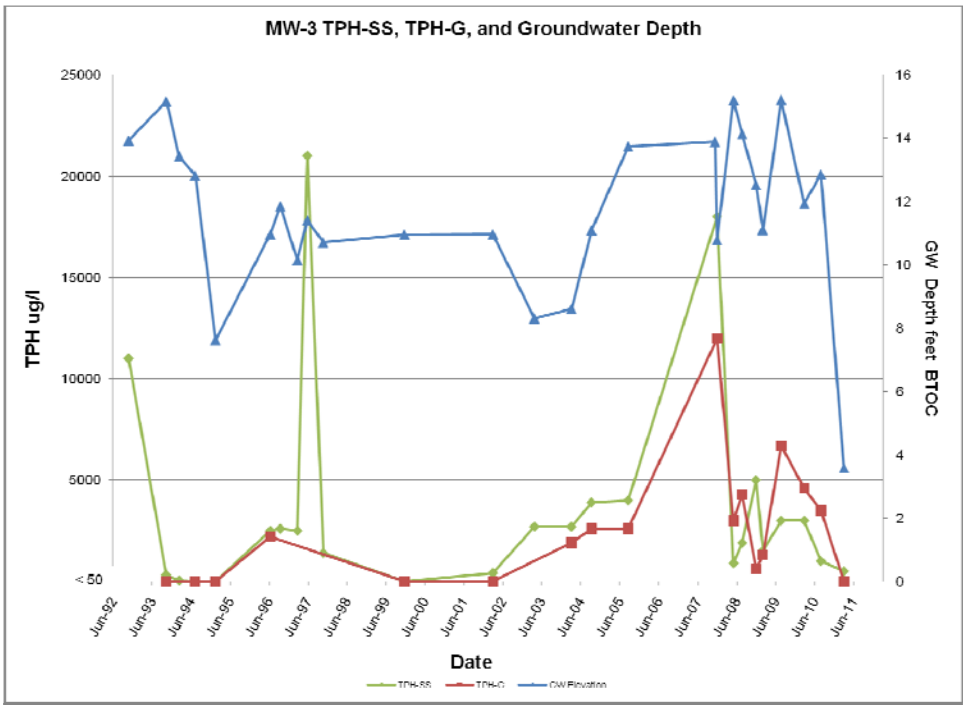
Sparger analyzed each of the groundwater samples for Total Petroleum Hydrocarbons as Stoddard solvent (TPH-SS) and Total Petroleum Hydrocarbons as gasoline (TPH-G) by EPA Method 8015B, benzene, toluene, ethyl benzene and xylenes (BTEX), and oxygenate methyl tertiary butyl ether (MTBE) by EPA Method 8260B.

TPH-SS was detected in groundwater samples from MW-1, MW-2 and MW-3 at concentrations of 8,800, 200 and 500 µg/l, respectively. TPH-G was detected in groundwater sample from MW-1at 8,100 µg/l. MTBE was detected in the groundwater sample from MW-2 at 3.6 µg/l. No BTEX was detected at or above the laboratory reporting limits in the monitoring well samples. No analytes were detected at or above the laboratory reporting limits in well W-IND.

Time history graphs of concentration of TPH-SS, TPH-G and depth to groundwater measurements for MW-1, MW-2, and MW-3 are presented below.




MW-2 TPH-SS, TPH-G, and Groundwater Depth
TPH ug/l
GW Depth feet BTOC
Date
14000
12000
10000
8000
6000
4000
2000
< 50
16
14
12
10
8
6
4
2
0
Jun-92
Jun-93
Jun-94
Jun-95
Jun-96
Jun-97
Jun-98
Jun-99
Jun-00
Jun-01
Jun-02
Jun-03
Jun-04
Jun-05
Jun-06
Jun-07
Jun-08
Jun-09
Jun-10
Jun-11


MW-3 TPH-SS, TPH-G, and Groundwater Depth
TPH ug/l
GW Depth feet BTOC
Date
25000
20000
15000
10000
5000
< 50
16
14
12
10
8
6
4
2
0
Jun-92
Jun-93
Jun-94
Jun-95
Jun-96
Jun-97
Jun-98
Jun-99
Jun-00
Jun-01
Jun-02
Jun-03
Jun-04
Jun-05
Jun-06
Jun-07
Jun-08
Jun-09
Jun-10
Jun-11

The distribution of petroleum hydrocarbon compounds and fuel oxygenates in shallow groundwater is shown on Figure 4. The groundwater sample analytical results are summarized in Tables 1 and 2 and the laboratory reports, notes, and comments are included in Appendix B.

3.0 SCHEDULE OF UPCOMING ACTIVITIES

On behalf of Ms. Paulette Satterley, Taber Consultants was directed by the ACHCSA to perform further site characterization and site investigation. Taber Consultants has completed field activities at the site including soil borings, natural attenuation analysis sampling, vapor sampling, and site visits to prepare a sensitive receptor survey and preferential pathway determination. Results of these investigative activities will provide the basis for the Site Investigation Report and Site Conceptual Model report which are scheduled for completion in June 30, 2011.

In August, 2011, Taber Consultants will gather monitoring data for the Second Semi-Annual Groundwater Monitoring Report for 2011. Taber Consultants will compile that monitoring data with historical data to further evaluate trends at the site.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Concentrations of TPH-SS in MW-1, MW-2 and MW-3 groundwater samples exceed the general TPH taste and odor threshold of 100 ug/L for middle distillates as defined by the San Francisco Bay Regional Water Quality Control Board. Historically, the concentrations of TPH-SS has also exceeded the groundwater nuisance and odor concerns screening level of 5,000 ug/L for TPH. The concentrations over time have fluctuated with no overall decreasing trend. The lack of significant decreasing trend potentially indicates limited degradation is occurring and/or a source may exist at or near the site.

Although Figure 3 shows the calculated groundwater elevations for the wells, groundwater elevation contours and flow direction for the first semi-annual 2011 was not assessed due to uncertainty with the water elevation data for MW-3. We anticipate this will be resolved for the second semi-annual monitoring event and groundwater flow direction and gradient will be evaluated using the new well casing elevations.

Taber Consultants is presently compiling information from the site investigation conducted in April and May and will complete these reports by June 30, 2011.

5.0 REPORT DISTRIBUTION

Ms. Paulette Satterley
14601 Guadalupe Drive
Rancho Murieta, CA 95683

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Parkway, Suite 250
Alameda CA, 94502

Ms. Cherie McCaulou
San Francisco Bay Regional Water Quality Control Board
1515 Clay St., Suite 1400
Oakland, CA 94612

6.0 REMARKS AND SIGNATURE

The interpretations and/or conclusions contained in this report represent our professional opinions and are based in part on information supplied by the client. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices in Alameda County, California in 2010. Other than this, no warranty is implied or intended.

This report has been prepared solely for the use of Ms. Paulette Satterley. Any reliance on this report by third parties shall be at such parties' sole risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide you with geologic, engineering and environmental consulting services and trust this report meets your needs. If you have any questions or concerns, please call us at (916) 371-1690.

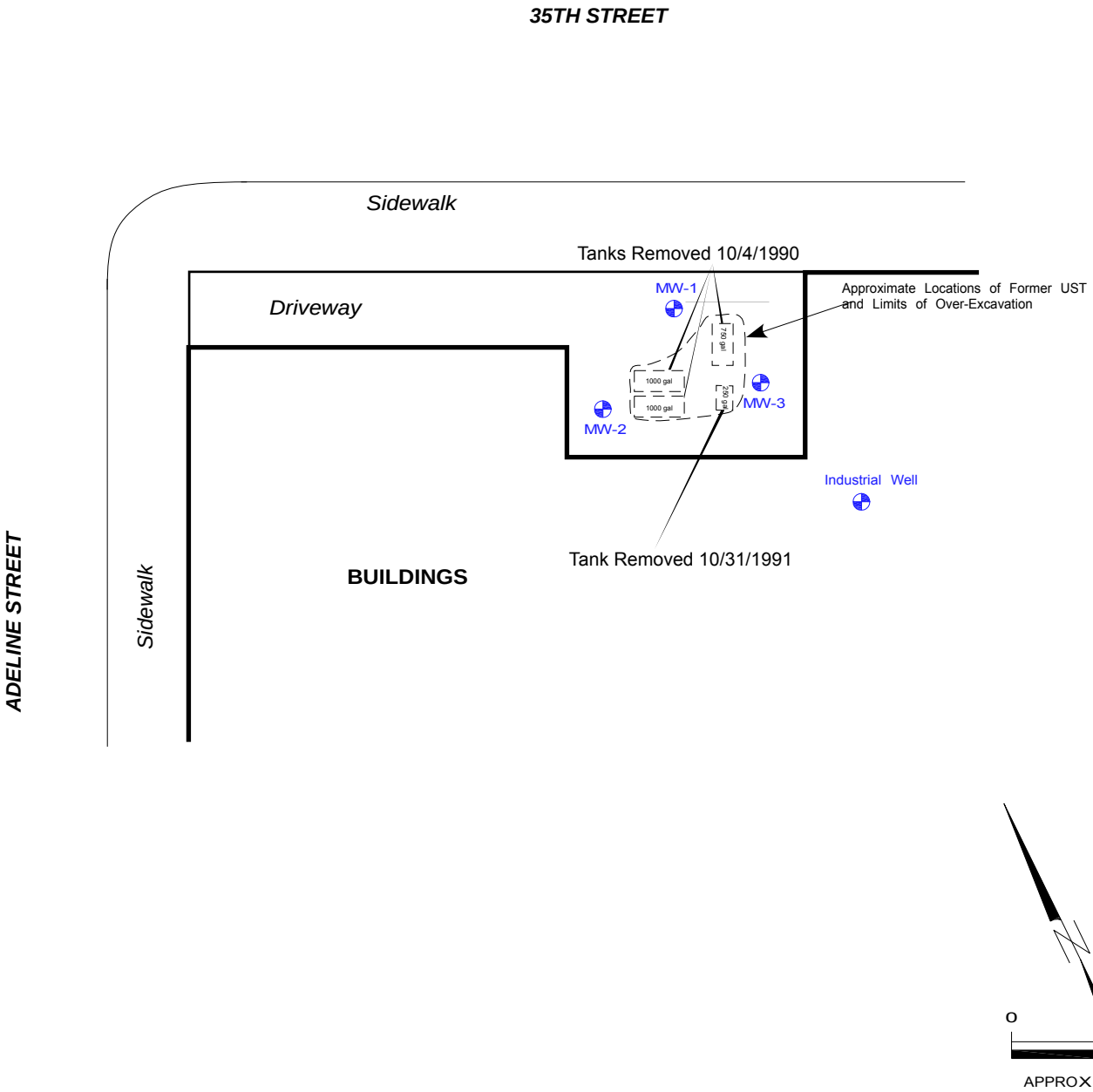
Sincerely,

Taber Consultants

Ellen Pyatt, MSc.
Project Geologist

Chris Rossitto, P.G.
Senior Geologist

FIGURES



LEGEND

MW-1 GROUNDWATER MONITORING WELL

250 gal APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

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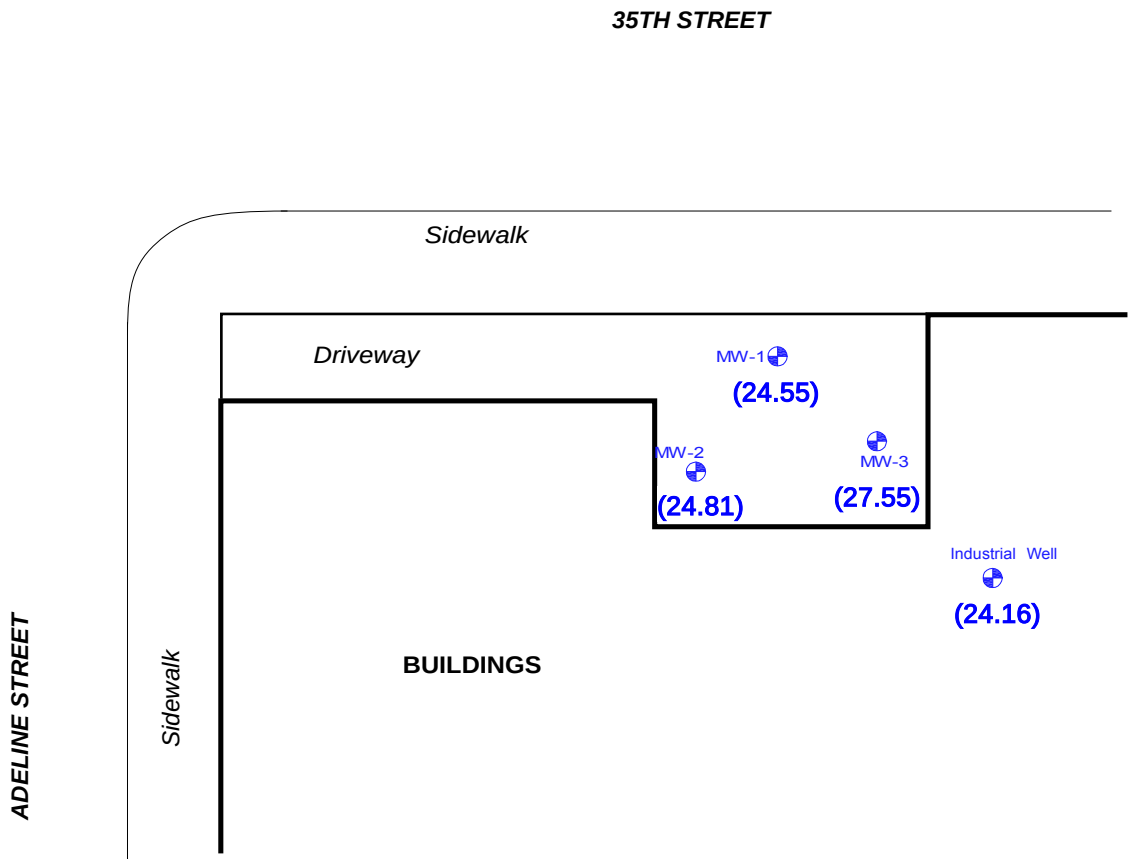
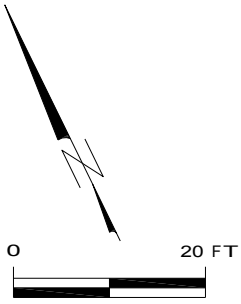
Former City of Paris

3516 Adeline Street
Oakland, California

Site Map

051074	May 25, 2011	Figure 2





APPROX. SCALE

LEGEND

MW-1 GROUNDWATER MONITORING WELL

(27.55) GROUNDWATER ELEVATION (feet above mean sea level)

APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

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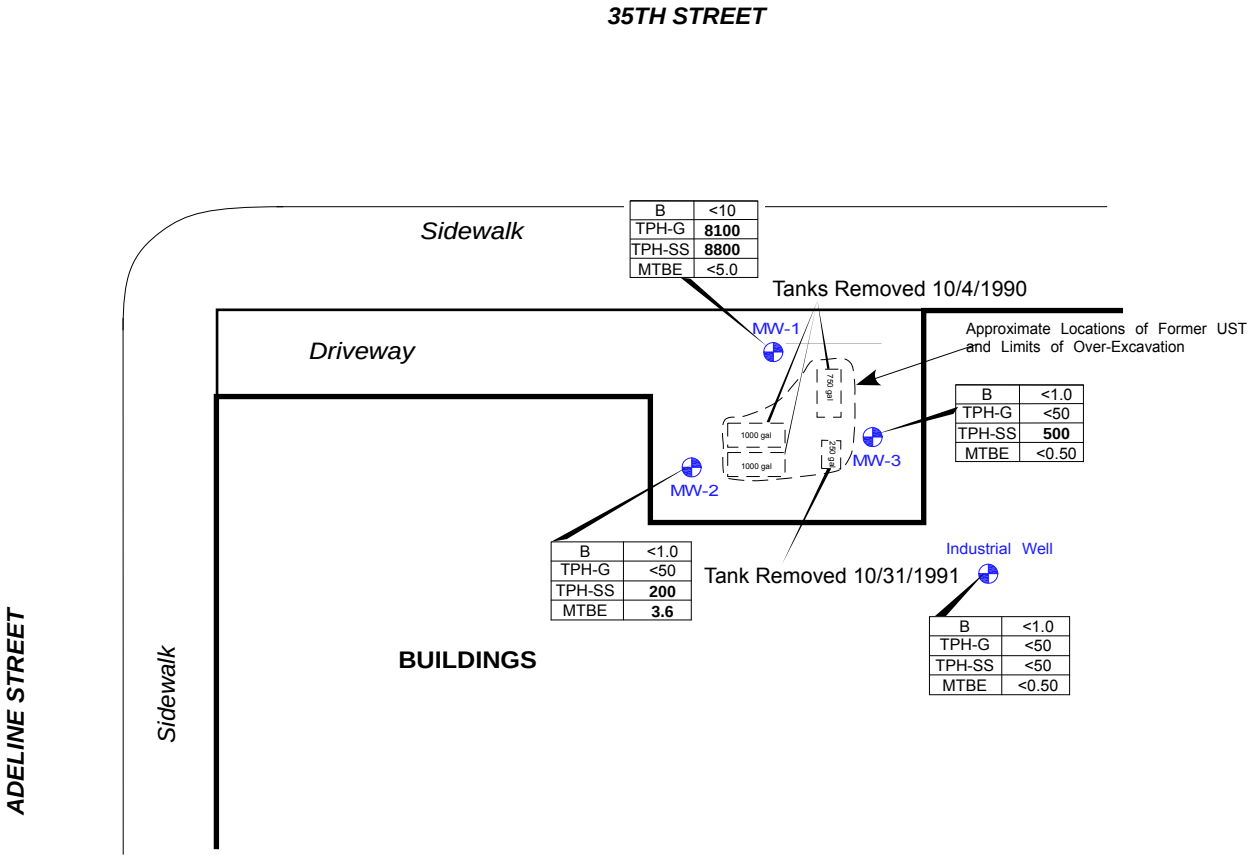
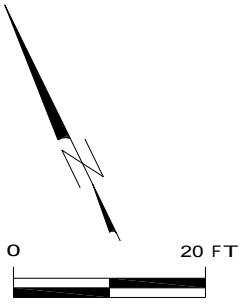
Groundwater Elevation Contour Map

051074	May 25, 2011	Figure 3





LEGEND

MW-1 GROUNDWATER MONITORING WELL

250 gal APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

B	<0.50
TPH-SS	<50
TPH-G	<50
MTBE	1.2

BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)

TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT IN ug/L

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/L

METHYL TERTIARY BUTYL ETHER IN ug/L

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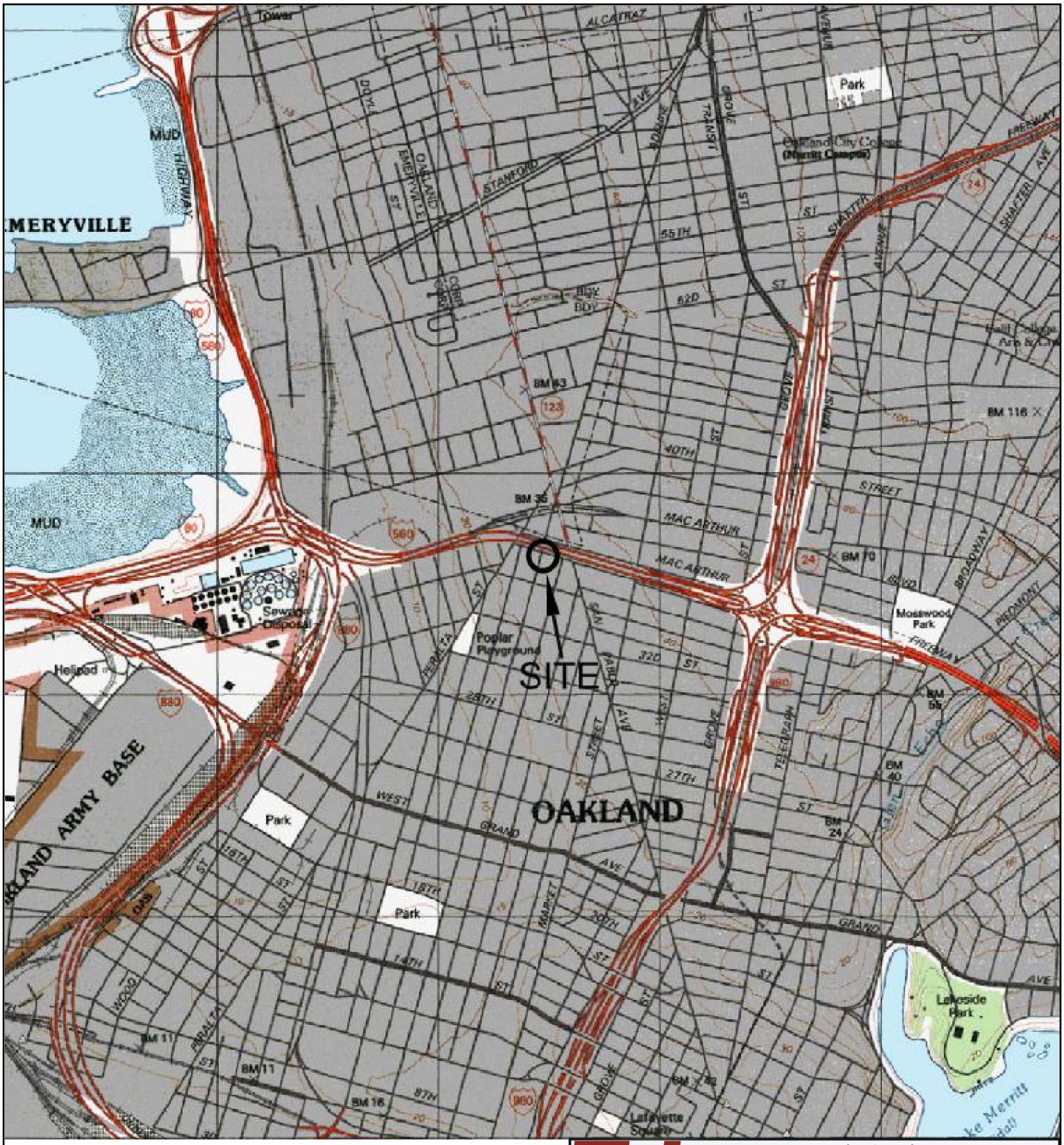
Groundwater Analytical Concentrations

051074	March 23, 2011	Figure 4

TABLES



N

Scale: 1:24,000

Source:
USGS West Oakland Quadrangle Topographic Map Report, 7.5 Minute Series (topgraphic), dated 1993

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Vicinity Map

051074	May 25, 2011	Figure 1

TABLE 1
2011 FIRST SEMI-ANNUAL
GROUNDWATER ELEVATION AND ANALYTICAL RESULTS
City of Paris Cleaners
3516 Adeline Street, Oakland, California 94608

		Elevation Summary			Analytical Summary						
Well ID	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene (ug/l)	Ethyl benzene	Xylenes	MTBE
MW-1	03/23/11	31.30	6.75	24.55	**8800**	**8100**	<10	<10	<10	<10	<5
MW-2	03/23/11	31.03	6.22	24.81	**200**	<50	<1.0	<1.0	<1.0	<1.0	**3.6**
MW-3[a]	03/23/11	31.13	3.58	27.55	**500**	<50	<1.0	<1.0	<1.0	<1.0	<0.50
W-IND	03/23/11	32.48	8.32	24.16	<50	<50	<1.0	<1.0	<1.0	<1.0	<0.50

Explanation:

TPH-G = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8015B.
TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed by the 8015B.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.

amsl = Above mean sea level.
BTOC = Below top of casing.

ug/l = Micrograms per liter.
<1.0 = Not detected at or above indicated laboratory reporting limit.

On March 17, 2010, Taber Consultants implemented the HydraSleeve® no purge protocol for all wells.
On March 23, 2011, Taber Consultants resurveyed top of casing elevations for all wells.

MW-3[a] During the 3/23/11 monitoring event, Taber Consultants replaced a damaged well cap. Please see report for discussion.

TABLE 2
GROUNDWATER ELEVATION AND ANALYTICAL RESULTS
SUMMARY
City of Paris Cleaners
3516 Adeline Street, Oakland, California 94608

		Elevation Summary			Analytical Summary										
Well ID	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
										(ug/l)					
Groundwater Sample Locations															
EB1-18	03/19/98	18' bgs Groundwater Grab Sample			**270000**	--	<5.0	**93**	**66**	**1700**	<100	--	--	--	--
EB2-18	03/19/98	18' bgs Groundwater Grab Sample			<1.0	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
EB3-18	03/19/98	18' bgs Groundwater Grab Sample			<1.0	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
EB4-18	03/19/98	18' bgs Groundwater Grab Sample			<1.0	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
EB5-18	03/19/98	18' bgs Groundwater Grab Sample			**780**	--	<0.5	<0.5	<0.5	**2**	<5.0	--	--	--	--
EB6-18	03/19/98	18' bgs Groundwater Grab Sample			<1.0	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
MW-1	11/18/92	17.44	13.99	3.45	**1800**	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	11/4/1993	17.44	16.79	0.65	**2000**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	3/8/1994	17.44	14.14	3.3	**150**	NA	**35**	**40**	**72**	**120**	NA	--	--	--	--
MW-1	8/2/1994	17.44	13.18	4.26	**2100**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1	2/8/1995	17.44	10.92	6.52	**620**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-1**	7/8/1996	17.44	11.62	5.82	**37000**	**110000**	**1.6**	<0.5	<0.5	**74**	**7.9**	--	--	--	--
MW-1	10/9/1996	17.44	14.11	3.33	**42000**	NA	<0.5	**5**	<0.5	<0.5	NA	--	--	--	--
MW-1	3/18/1997	17.44	12.37	5.07	**2600**	NA	<0.5	**1.5**	**1.5**	**9.6**	<6.0	--	--	--	--
MW-1	6/19/1997	17.44	13.26	4.18	**660**	NA	<0.5	<0.5	**1.2**	**0.71**	<5.0	--	--	--	--
MW-1	11/14/1997	17.44	11.45	5.99	**10000**	NA	<0.5	<0.5	**110**	**1.2**	<5.0	--	--	--	--
MW-1	12/15/1999	17.44	11.31	6.13	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	**0.59**	<0.5	<0.5
MW-1	03/22/02	17.44	8.97	8.47	**11000**	--	--	--	--	--	<5.0	--	--	--	**130**
MW-1	04/15/03	17.44	9.23	8.21	**3900**	--	<2.5	<2.5	<2.5	**3**	**9**	--	--	--	--
MW-1	03/26/04	17.44	10.32	7.12	**30000**	**24000**	<50	<50	<50	<50	<500	--	--	--	--
MW-1	09/30/04	17.44	11.53	5.91	**3800**	**2600**	<0.5	<0.5	<0.5	**2.7**	<5	--	--	--	--
MW-1	09/09/05	17.44	13.63	3.81	**15000**	**11000**	c	<5	<5	**15**	<50	--	--	--	--
MW-1	11/30/07	17.44	13.95	3.49	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/20/07	17.44	11.51	5.93	**45000**	**110000**	**20**	**50**	**20**	**100**	<5	--	--	--	--
MW-1	05/23/08	17.44	14.14	3.3	**4200**	<500	<1	<1	<1	**20**	<0.50	--	--	--	--
MW-1	08/12/08	17.44	13.78	3.66	**4000**	**12000**	<1	<1	<1	<1	<0.50	--	--	--	--
MW-1	12/18/08	17.44	10.71	6.73	**9900**	**2700**	<1	<1	<1	<1	<0.50	--	--	--	--
MW-1	02/19/09	17.44	8.91	8.53	**500**	**3100**	<10	<10	<10	<10	<5	--	--	--	--
MW-1	08/11/09	17.44	13.35	4.09	**13000**	**7800**	<10	<10	<10	<10	**5.9**	--	--	--	--
MW-1 NP	*08/11/09*	*17.44*	*13.35*	*4.09*	***6000***	***10000***	*<10*	*<10*	*<10*	*<10*	*<5*	--	--	--	--

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SUMMARY
City of Paris Cleaners
3516 Adeline Street, Oakland, California 94608

		Elevation Summary			Analytical Summary										
Well ID	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
										(ug/l)					
MW-1	03/17/10	17.44	9.31	8.13	**4000**	**12000**	<20	<20	<20	**20**	<10	--	--	--	--
MW-1	08/18/10	17.44	12.65	4.79	**2000**	**6900**	<100	<100	<100	<100	<50	--	--	--	--
MW-1	03/23/11	31.30	6.75	24.55	**8800**	**8100**	<10	<10	<10	<10	<5	--	--	--	--
MW-2	11/18/92	17.31	13.18	4.13	**630**	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	11/04/93	17.31	14.84	2.47	**3200**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	03/08/94	17.31	11.5	5.81	**45**	NA	**1.4**	**2**	**11**	**19**	NA	--	--	--	--
MW-2	08/02/94	17.31	13.14	4.17	**170**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2	02/08/95	17.31	8.18	9.13	**570**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-2**	07/08/96	17.31	11.06	6.25	**1800**	**2800**	<0.5	**2.6**	**15**	**24**	**6.3**	--	--	--	--
MW-2	10/09/96	17.31	12.38	4.93	**4100**	NA	<0.5	**0.57**	<0.5	<0.5	NA	--	--	--	--
MW-2	03/18/97	17.31	10.61	6.7	**240**	<0.5	**0.57**	<0.5	<0.5	**5.3**	NA	--	--	--	--
MW-2	06/19/97	17.31	11.68	5.63	**2500**	NA	<0.5	<0.5	**9.1**	<0.5	<5.0	--	--	--	--
MW-2	11/14/97	17.31	10.61	6.7	**130**	NA	<0.5	<0.5	**0.9**	**1.2**	<5.0	--	--	--	--
MW-2	12/15/99	17.31	10.97	6.34	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	**0.53**	<0.5	**49**
MW-2	03/22/02	17.31	8.82	8.49	**170**	**13000**	**410**	**1000**	**210**	**1100**	<5.0	--	--	--	<10
MW-2	04/15/03	17.31	8.52	8.79	**99**	--	<0.5	<0.5	<0.5	**0.76**	**10**	--	--	--	--
MW-2	03/26/04	17.31	9.32	7.99	**120**	**93**	<0.5	<0.5	<0.5	**0.76**	**5.4**	--	--	--	--
MW-2	09/30/04	17.31	11.62	5.69	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
MW-2	09/09/05	17.31	12.75	4.56	**120**	**98**	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
MW-2	11/30/07	17.31	11.06	6.25	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/20/07	17.31	9.95	7.36	<50	**3000**	<1	**1.6**	<1	**2.4**	**2.9**	--	--	--	--
MW-2	05/23/08	17.31	12.46	4.85	**300**	**1100**	<1	<1	<1	<1	**3.5**	--	--	--	--
MW-2	08/12/08	17.31	12.08	5.23	**2200**	**350**	<1	<1	<1	<1	<0.50	--	--	--	--
MW-2	12/18/08	17.31	10.58	6.73	**300**	<50	<1	<1	<1	<1	**7.3**	--	--	--	--
MW-2	02/19/09	17.31	8.22	9.09	**300**	**300**	<1	<1	<1	<1	**3.4**	--	--	--	--
MW-2	08/11/09	17.31	13.00	4.31	**600**	**610**	<1	<1	<1	<1	**3.8**	--	--	--	--
MW-2	03/17/10	17.31	8.95	8.36	<50	<50	<1	<1	<1	<1	**1.8**	--	--	--	--
MW-2	08/18/10	17.31	12.15	5.16	<50.0	**70**	<1.0	<1.0	<1.0	<1.0	**2.4**	--	--	--	--
MW-2	03/23/11	31.03	6.22	24.81	**200**	<50	<1.0	<1.0	<1.0	<1.0	**3.6**	--	--	--	--
MW-3	11/18/92	17.44	13.93	3.51	**11000**	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-3	11/04/93	17.44	15.16	2.28	**320**	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-3	03/08/94	17.44	13.43	4.01	**45**	NA	**0.8**	**0.9**	**5**	**10**	NA	--	--	--	--

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		Elevation Summary			**Analytical Summary**										
Well ID	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
										(ug/l)					
MW-3	08/02/94	17.44	12.82	4.62	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-3	02/08/95	17.44	7.62	9.82	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-3**	07/08/96	17.44	10.97	6.47	**2500**	**2200**	**1**	<0.5	**8.8**	**8**	**10**	--	--	--	--
MW-3	10/09/96	17.44	11.84	5.6	**2600**	NA	<0.5	<0.5	<0.5	<0.5	NA	--	--	--	--
MW-3	03/18/97	17.44	10.16	7.28	**2500**	NA	<0.5	**0.61**	**0.63**	**5.2**	NA	--	--	--	--
MW-3	06/19/97	17.44	11.40	6.04	**21000**	NA	<0.5	<0.5	**11**	<0.5	<5.0	--	--	--	--
MW-3	11/14/97	17.44	10.71	6.73	**1,400**	NA	<0.5	<0.5	**28**	**28**	<5.0	--	--	--	--
MW-3	12/15/99	17.44	10.96	6.48	<20	<50	<0.5	<0.5	<0.5	<0.5	NA	**0.87**	**0.57**	**25**	**88**
MW-3	03/22/02	17.44	10.97	6.47	**420**	<50	<0.5	<0.5	<0.5	<0.5	**31**	--	--	--	<50
MW-3	04/15/03	17.44	8.31	9.13	**2700**	--	<0.5	<0.5	<0.5	<0.5	**40**	--	--	--	--
MW-3	03/26/04	17.44	8.61	8.83	**2700**	**1900**	<1.7	<1.7	<1.7	**4.3**	<17	--	--	--	--
MW-3	09/30/04	17.44	11.1	6.34	**3900**	**2600**	<0.5	<0.5	<0.5	**3.2**	<10	--	--	--	--
MW-3	09/09/05	17.44	13.75	3.69	**4000**	**2600**	<0.5	<0.5	**0.57**	**2.7**	**12**	--	--	--	--
MW-3	11/30/07	17.44	13.9	3.54	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/20/07	17.44	10.79	6.65	**18000**	**12000**	<1	**1.6**	**1.1**	**2.4**	**9.2**	--	--	--	--
MW-3	05/23/08	17.44	15.2	2.24	**900**	**3000**	<1	<1	<1	<1	**9.1**	--	--	--	--
MW-3	08/12/08	17.44	14.14	3.3	**1900**	**4300**	<1	<1	<1	<1	**6.5**	--	--	--	--
MW-3	12/18/08	17.44	12.53	4.91	**5000**	**610**	<1	**1**	<1	<1	**20**	--	--	--	--
MW-3	02/19/09	17.44	11.11	6.33	**1500**	**1300**	<1	**1**	<1	<1	**9**	--	--	--	--
MW-3	08/11/09	17.44	15.22	2.22	**1000**	**2200**	<10	<10	<10	<10	**7.3**	--	--	--	--
MW-3 NP	*08/11/09*	*17.44*	*15.22*	*2.22*	***3000***	***6700***	*<10*	*<10*	*<10*	*<10*	*<5*	--	--	--	--
MW-3	03/17/10	17.44	11.94	5.5	**3000**	**4600**	<10	<10	<10	<10	**9.4**	--	--	--	--
MW-3	08/18/10	17.44	12.86	4.58	**1000**	**3500**	<50	<50	<50	<50	<25	--	--	--	--
MW-3[a]	03/23/11	31.13	3.58	27.55	**500**	<50	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--
W-IND	03/22/02	NA	--	--	<50	**190**	<0.5	<0.5	<0.5	**0.8**	<5.0	--	--	--	--
W-IND	04/15/03	NA	--	--	--	--	--	--	--	--	--	--	--	--	--
W-IND	03/26/04	NA	--	--	**500**	**200**	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	09/30/04	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	09/09/05	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5	--	--	--	--
W-IND	11/30/07	NA	12.92	--	--	--	--	--	--	--	--	--	--	--	--
W-IND	12/20/07	NA	11.68	--	<50	**500**	<1	**1**	<1	**2.2**	<.50	--	--	--	--
W-IND	05/23/08	NA	12.72	--	**300**	**250**	<1	**3.7**	<1	**2.4**	<0.50	--	--	--	--
W-IND	08/12/08	NA	13.42	--	<50.0	<50.0	<1	<1	<1	<1	<0.50	--	--	--	--
W-IND	12/18/08	NA	12.65	--	<50	<50	<1	<1	<1	<1	**0.7**	--	--	--	--

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		Elevation Summary			Analytical Summary										
Well ID	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB	1,1-DCA	2-Methyl-Naphthalene	Naphthalene
										(ug/l)					
W-IND	02/19/09	NA	9.74	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	08/11/09	NA	14.13	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	03/17/10	NA	9.78	--	<50	<50	<1	<1	<1	<1	<0.5	--	--	--	--
W-IND	08/18/10	NA	12.84	--	<50.0	<50	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--
W-IND	03/23/11	32.48	8.32	24.16	<50	<50	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--

Explanation:

TPH-G = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8015B.
TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed by the 8015B.
Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.
MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B.

amsl = Above mean sea level.
BTOC = Below top of casing.
ug/l - Micrograms per liter.
NA = Data not available

<1.0 = Not detected at or above indicated laboratory reporting limit.
-- = not analyzed

NP = HydraSleeve® no purge protocol
•• Components found in tbe gasoline range, however they are not characteristic of gasoline components.
On March 17, 2010, Taber Consultants implemented the HydraSleeve® no purge protocol for all wells.
On March During the 3/23/11 monitoring event, Taber Consultants replaced a damaged well cap. See First Semiannual Monitoring Report 2011 for discussion.

MW-3[a] During the 3/23/11 monitoring event, Taber Consultants replaced a damaged well cap. Please see report for discussion.

APPENDIX A

FIELD DATA SHEETS

Taber Consultants
Groundwater/Liquid Level Data
(Measurements in Feet)

Project Address: City of Paris Cleaners
3516 Adeline Street
Oakland, CA.

Date: 3/23/2011

Project: 51074

Recorded by: JC

1st Qtr GW Monitoring
No Purge Sampling

Well No.	Time	Depth to Groundwater	Measured Total Depth	Sleeve Deployment Time	Sample Time	Comments
MW-1		6.75	27.30	09:15	10:45	
MW-2		6.22	29.50	09:10	10:30	
MW-3		3.58*	29.72	09:05	10:15	Note Cap off well : Pressure
IND		8.32	72.87	08:50	10:00	

Notes: MW-3 Found Cap off well (Probably Due to ↑ in Pressure) Vault full of Rain water.
* Replaced MW-3 well cap.

Sparger Technology, Inc.
Environmental Laboratories

3738 Bradview Drive
Sacramento, CA 95827
Lab: 916.369.7688
Fax: 916.369.7689

19806

COC # / Lab No. _____

Chain-of-Custody Record and Analysis Request

Project Contact (PDF To): **Tom Ballard (to email address's)**	California EDF Report? ☑ Yes ☐ No
Company / Address: **Taber Consultants: 3911 West Capitol Ave.**	Sampling Company Log Code: **WRMC**
West Sacramento, CA 95691	Global ID: **T0600100379**
Phone #: **916-371-1690** Fax #: **916-371-7265**	Deliver all files to: **inbox@TaberConsultants.com**
Project #: **51074** P.O. #: 3A	please email a copy to: **SNess@TaberConsultants.com**
Project Name: **NoPurge_CityOfP**	Sampler Signature:
Project Address: **3514 Adeline St. Oakland, CA**	

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass 500ml	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air
MW-1	MW-1	3/23/11	10:45	4			1		4		4	4		
MW-2	MW-2	3/23/11	10:30	4			1		4		4	4		
MW-3	MW-3	3/23/11	10:15	4			1		4		4	4		
W-IND	W-IND	3/23/11	10:00	4			1		4		4	4		

Analysis Request	MTBE\BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatagrams	TAT
MW-1	X	X								X	X	x
MW-2	X	X								X	X	x
MW-3	X	X								X	X	x
W-IND	X	X								X	X	x

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk

Relinquished by:	Date	Time	Received by:
	3/24/2011	10:50	3/24/11 10:53
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks:
please save file(s), PDF's, EDF & XLS name as:
sample date year_month_day_ project name_ WO#

EXAMPLE:
2010_08_10_NoPurge_CityOfP_12345

Bill to: Invoice@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

APPENDIX B

LABORATORY ANALYSIS REPORT

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Tom Ballard
Taber Consultants
3911 West Capitol Ave.
West Sacramento, CA 95691

Client	Taber Consultants
Workorder	19806 NoPurge_CityOfParis
Received	03/24/11

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3738 Bradview Drive • Sacramento, California 95827 • (916) 369-7688 • FAX (916) 369-7689

Tom Ballard
Taber Consultants
3911 West Capitol Ave.
West Sacramento, CA 95691

Workorder 19806

Enclosed are the results from samples received on March 24, 2011.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
19806001	MW-1, Water	03/23/11	8015B TEPH Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC W
19806002	MW-2, Water	03/23/11	8015B TEPH Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC W
19806003	MW-3, Water	03/23/11	8015B TEPH Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC W
19806004	W-IND, Water	03/23/11	8015B TEPH Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC W

Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 19806 **Workorder ID** NoPurge_CityOfParis

Laboratory ID 19806001 **Sampled** 03/23/11
Sample ID MW-1 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**03/25/11**	**03/28/11**	**8800**	**50.0**	**ug/L**	**1:1**

Laboratory ID 19806001 **Sampled** 03/23/11
Sample ID MW-1 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**04/01/11**	**04/01/11**	**8100**	**500**	**ug/L**	**1:10**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/L	70 %	(65 - 135)

Laboratory ID 19806001 **Sampled** 03/23/11
Sample ID MW-1 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	ND	5.0	ug/L	1:10
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	10	ug/L	1:10
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	ND	10	ug/L	1:10
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	10	ug/L	1:10
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	ND	10	ug/L	1:10

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/L	102 %	(65 - 135)

Laboratory ID 19806002 **Sampled** 03/23/11
Sample ID MW-2 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**03/25/11**	**03/28/11**	**200**	**50.0**	**ug/L**	**1:1**

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 19806 **Workorder ID** NoPurge_CityOfParis

Laboratory ID 19806002 **Sampled** 03/23/11
Sample ID MW-2 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13 ug/L	65 %	(65 - 135)

Laboratory ID 19806002 **Sampled** 03/23/11
Sample ID MW-2 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	**8260B BTEX/FOC**	**04/01/11**	**04/01/11**	**3.6**	**0.50**	**ug/L**	**1:1**
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/L	98 %	(65 - 135)

Laboratory ID 19806003 **Sampled** 03/23/11
Sample ID MW-3 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**03/25/11**	**03/28/11**	**500**	**50.0**	**ug/L**	**1:1**

Laboratory ID 19806003 **Sampled** 03/23/11
Sample ID MW-3 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13 ug/L	65 %	(65 - 135)

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 19806 **Workorder ID** NoPurge_CityOfParis

Laboratory ID 19806003 **Sampled** 03/23/11
Sample ID MW-3 **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	52 ug/L	104 %	(65 - 135)

Laboratory ID 19806004 **Sampled** 03/23/11
Sample ID W-IND **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TEPH

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	03/25/11	03/28/11	ND	50.0	ug/L	1:1

Laboratory ID 19806004 **Sampled** 03/23/11
Sample ID W-IND **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13 ug/L	65 %	(65 - 135)

Laboratory ID 19806004 **Sampled** 03/23/11
Sample ID W-IND **Received** 03/24/11
Matrix Water **Reported** 04/01/11

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Taber Consultants	**Workorder ID**	NoPurge_CityOfParis
Workorder #	19806	**Sampled**	03/23/11
Laboratory ID	19806004	**Received**	03/24/11
Sample ID	W-IND	**Reported**	04/01/11
Matrix	Water		

8260B Oxygenates - 8260B BTEX/FOC W (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	52 ug/L	104 %	(65 - 135)

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Method Blank Report

Client ID Taber Consultants
Laboratory ID 99085
Sample ID MB for HBN 405272 [SGXV/2730]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	03/25/11	03/28/11	ND	50.0	ug/L	1:1

Lab Control Sample Report

Client ID Taber Consultants
Laboratory ID 99086
Sample ID LCS for HBN 405272 [SGXV/2730]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	03/25/11	03/28/11	875	50.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Taber Consultants
Laboratory ID 99087
Sample ID LCSD for HBN 405272 [SGXV/2730
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	03/25/11	03/28/11	826	50.0	ug/L	1:1

Method Blank Report

Client ID Taber Consultants
Laboratory ID 99247
Sample ID MB for HBN 405672 [VGXV/3102]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	18 ug/L	90 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants
Laboratory ID 99248
Sample ID LCS for HBN 405672 [VGXV/3102]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	1070	50	ug/L	1:1

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Lab Control Sample Duplicate Report

Client ID Taber Consultants **Sample ID** LCSD for HBN 405672 [VGXV/3102
Laboratory ID 99249 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	1110	50	ug/L	1:1

Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 405672 [VGXV/3102]
Laboratory ID 99250 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	1130	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Taber Consultants **Sample ID** MSD for HBN 405672 [VGXV/3102]
Laboratory ID 99251 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	04/01/11	04/01/11	1100	50	ug/L	1:1

Method Blank Report

Client ID Taber Consultants **Sample ID** MB for HBN 405674 [VMXV/3334]
Laboratory ID 99252 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/L	98 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 405674 [VMXV/3334]
Laboratory ID 99253 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	53	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	57	1.0	ug/L	1:1

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Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 405674 [VMXV/3334]
Laboratory ID 99253 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	58	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	57	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	169	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Taber Consultants **Sample ID** LCSD for HBN 405674 [VMXV/3334
Laboratory ID 99254 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	54	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	57	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	58	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	57	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	170	1.0	ug/L	1:1

Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 405674 [VMXV/3334]
Laboratory ID 99255 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	67	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	60	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	61	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	60	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	177	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Taber Consultants **Sample ID** MSD for HBN 405674 [VMXV/3334]
Laboratory ID 99256 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	04/01/11	04/01/11	70	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	04/01/11	04/01/11	61	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	04/01/11	04/01/11	62	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	04/01/11	04/01/11	61	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID	Taber Consultants	**Sample ID**	MSD for HBN 405674 [VMXV/3334]
Laboratory ID	99256	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Xylene,Total	8260B BTEX/FOC	04/01/11	04/01/11	179	1.0	ug/L	1:1

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QC SUMMARY

Client ID Taber Consultants
QC Batch VGX 3222
Matrix Water
Original 19806002
Samples Matrix Spike [99250]
Matrix Spike Duplicate [99251]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	113	110	(65-135)	2.7	(20 MAX)

Client ID Taber Consultants
QC Batch VMX 3372
Matrix Water
Original 19806002
Samples Matrix Spike [99255]
Matrix Spike Duplicate [99256]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	127	133	(65-135)	4.6	(20 MAX)
Benzene	120	122	(65-135)	1.7	(20 MAX)
Toluene	122	124	(65-135)	1.6	(20 MAX)
Ethylbenzene	120	122	(65-135)	1.7	(20 MAX)
Xylene,Total	118	119	(65-135)	0.80	(20 MAX)

Client ID Taber Consultants
QC Batch SGX 2760
Matrix Water
Samples Lab Control Sample [99086]
Lab Control Sample Duplicate [99087]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Stoddard Solvent	88	83	(65-135)	5.8	(20 MAX)

Client ID Taber Consultants
QC Batch VGX 3222
Matrix Water
Samples Lab Control Sample [99248]
Lab Control Sample Duplicate [99249]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	107	111	(65-135)	3.7	(20 MAX)

Client ID Taber Consultants
QC Batch VMX 3372
Matrix Water
Samples Lab Control Sample [99253]
Lab Control Sample Duplicate [99254]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	106	108	(65-135)	1.9	(20 MAX)
Benzene	114	114	(65-135)	00	(20 MAX)
Toluene	116	116	(65-135)	00	(20 MAX)
Ethylbenzene	114	114	(65-135)	00	(20 MAX)
Xylene,Total	113	113	(65-135)	00	(20 MAX)

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19806

Spanger Technology Inc.
Environmental Laboratories

3738 Bradview Drive
Sacramento, CA 95827
Lab: 916.369.7688
Fax: 916.369.7689

COC # / Lab No. _____

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (PDF To): Tom Ballard (to email address's)	California EDF Report? ☑ Yes ☐ No
Company / Address: Taber Consultants: 3911 West Capitol Ave. West Sacramento, CA 95691	Sampling Company Log Code: WRMC
	Global ID: T0600100379
Phone #: 916-371-1690 / Fax #: 916-371-7265	Deliver all files to: inbox@TaberConsultants.com
Project #: 51624 / P.O. #: 3A	please email a copy to: SNess@TaberConsultants.com
Project Name: NoPurge_CityOfP	Sampler Signature:
Project Address: 3514 Adeline St. Oakland, CA	

		Sampling		Container						Preservative				Matrix			Analysis Request														TAT
	Sample ID	Field Point Name	Date	Time	40 ml VOA	Sleeve	Poly	Glass 500ml	Tedlar	HCl	HNO_3	None		Water	Soil	Air	MTBE/BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav (1,2 DCA & 1,2 EDB-EPA 8260B)		Volatile Organics Full List (EPA 8260B)		TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatograms		
1	MW-1	MW-1	3/23/11	10:45	4			1		Y		N		Y			X	X										X	X		x
2	MW-2	MW-2	3/23/11	10:30	4			1		Y		N		Y			X	X										X	X		x
3	MW-3	MW-3	3/23/11	10:15	4			1		Y		N		Y			X	X										X	X		x
4	W-IND	W-IND	3/23/11	10:00	4			1		Y		N		Y			X	X										X	X		x

Relinquished by:	Date	Time	Received by:	Remarks:
	3/24/2011	10:50	3/24/11 10:53	please save file(s), PDF's, EDF & XLS name as: sample date year_month_day_ project name_ WO#
Relinquished by:	Date	Time	Received by:	EXAMPLE: 2010_08_10_NoPurge_CityOfP_12345
Relinquished by:	Date	Time	Received by Laboratory:	Bill to: Invoice@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

FACSIMILE COVER SHEET

Attention: Tom Ballard
Date: 04/18/11
Address: Taber Consultants
3911 West Capitol Ave.
West Sacramento, CA 95691
Fax: (916) 371-7265

From: Sparger Technology, Inc.
Voice: (916) 369-7688
Fax: (916) 369-7689

Number of pages including this cover sheet: 16 pages

If you do not receive all pages, or if you do not receive all pages clearly, please call us back as soon as pssible. We look forward to working with you.

Remarks:

Chromatograms
Sparger WO # 19806
City of Paris
* TPH Stoddard Solvent
* TPH Gas
* 8260B MTBE_BTEX

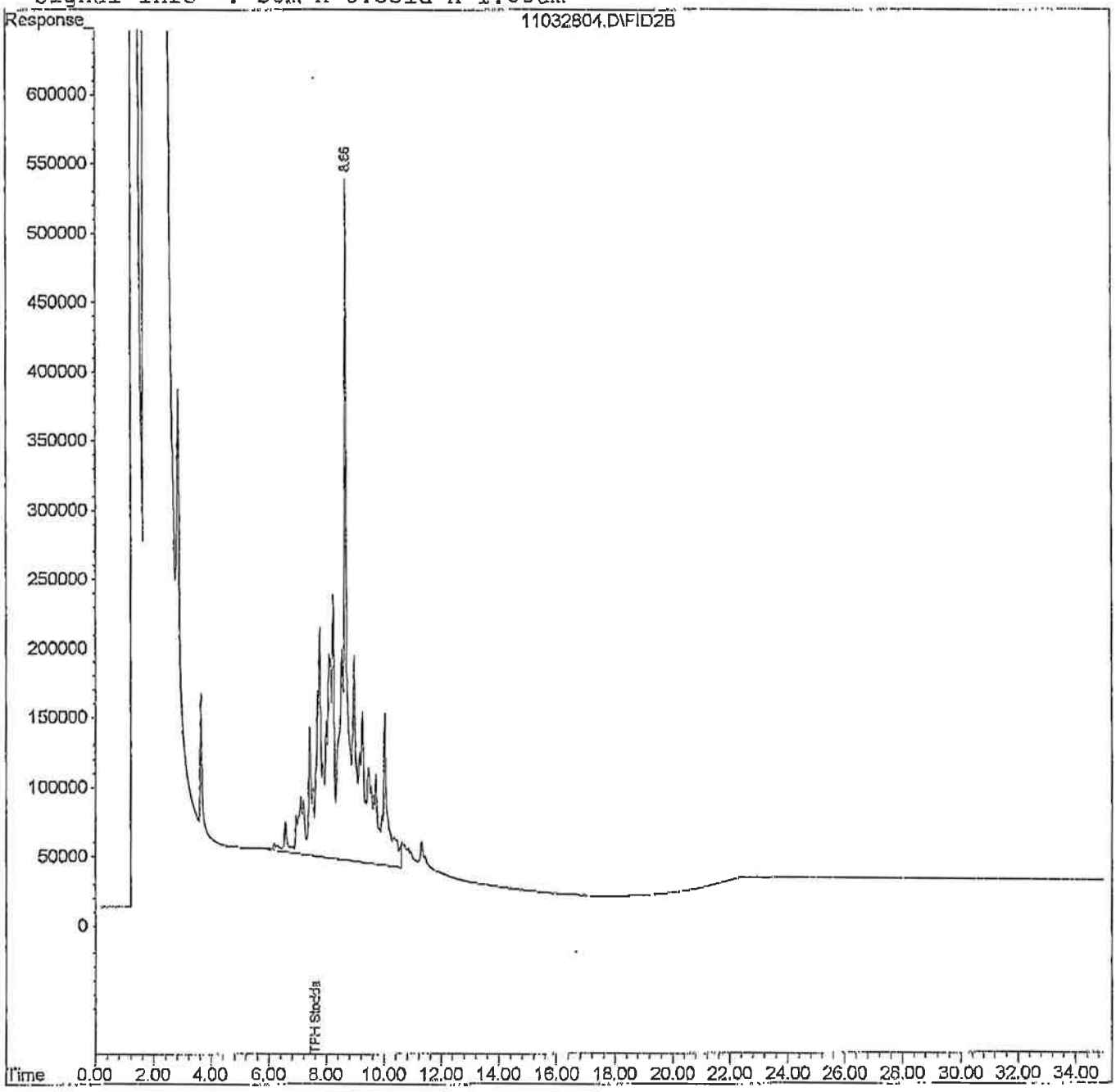
3738 Bradview Drive Sacramento, CA 95827 (916)369-7688 Fax (916)369-7689

Quantitation Report

Data File : C:\HPCHEM\2\DATA\032811A\11032804.D Vial: 4
Acq On : 28 Mar 2011 11:53 Operator: R.L. JAMES
Sample : 1000PPM TPH SS STD Inst : HP-FID
Misc : 1000PPM TPH SS STD (2uL) Multiplr: 0.50
IntFile : EVENTS2.E
Quant Time: Mar 28 13:41 2011 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)
Title : 3500/8015 TPH Stoddard Solvent
Last Update : Wed Jun 11 11:22:01 2008
Response via : Multiple Level Calibration
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL
Signal Phase : J&W DB-5
Signal Info : 30m X 0.53id X 1.00um



APR-18-11 MON 09:26 AM FAX NO. P. 02
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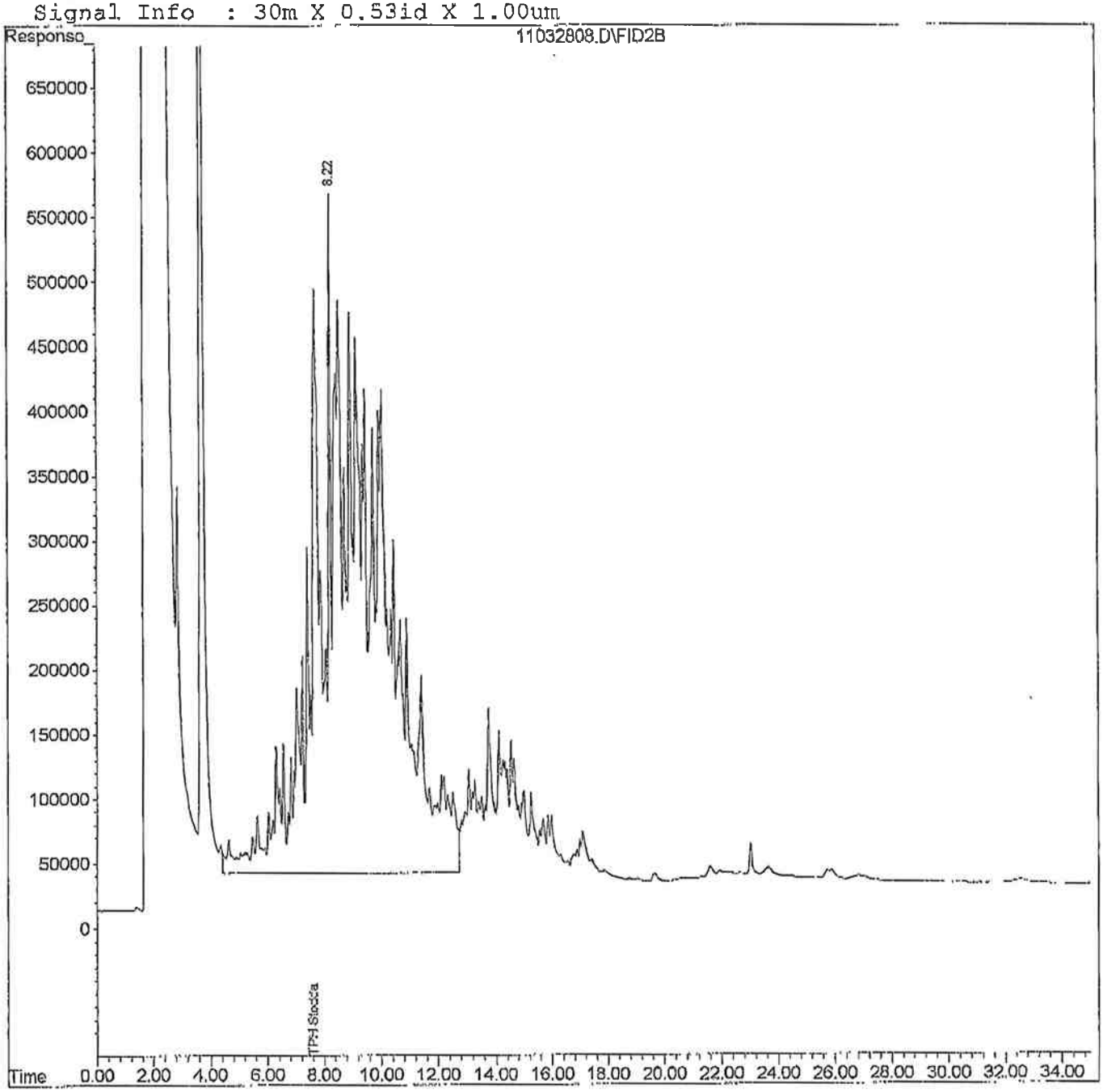
Quantitation Report

Data File : C:\HPCHEM\2\DATA\032811A\11032808.D Vial: 8
Acq On : 28 Mar 2011 16:04 Operator: R.L. JAMES
Sample : 19806-01; TABER Inst : HP-FID
Misc : MW-1 (500ML/1ML) Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Mar 29 7:22 2011 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)
Title : 3500/8015 TPH Stoddard Solvent
Last Update : Wed Jun 11 11:22:01 2008
Response via : Multiple Level Calibration
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL
Signal Phase : J&W DB-5
Signal Info : 30m X 0.53id X 1.00um



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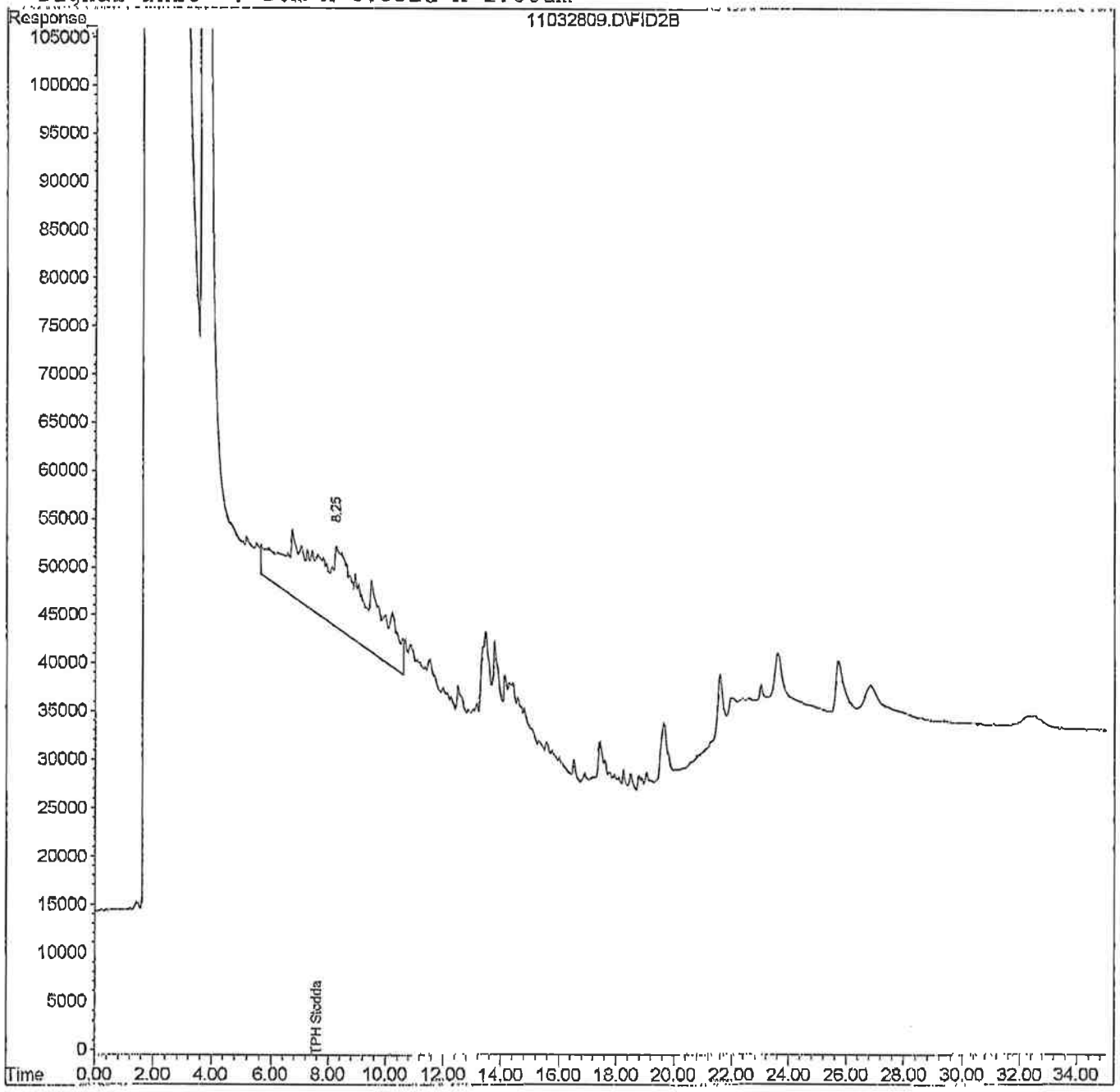
Quantitation Report

Data File : C:\HPCHEM\2\DATA\032811A\11032809.D Vial: 9
Acq On : 28 Mar 2011 16:48 Operator: R.L. JAMES
Sample : 19806-02; TABER Inst : HP-FID
Misc : MW-2 (500ML/1ML) Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Mar 29 7:19 2011 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)
Title : 3500/8015 TPH Stoddard Solvent
Last Update : Wed Jun 11 11:22:01 2008
Response via : Multiple Level Calibration
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL
Signal Phase : J&W DB-5
Signal Info : 30m X 0.53id X 1.00um



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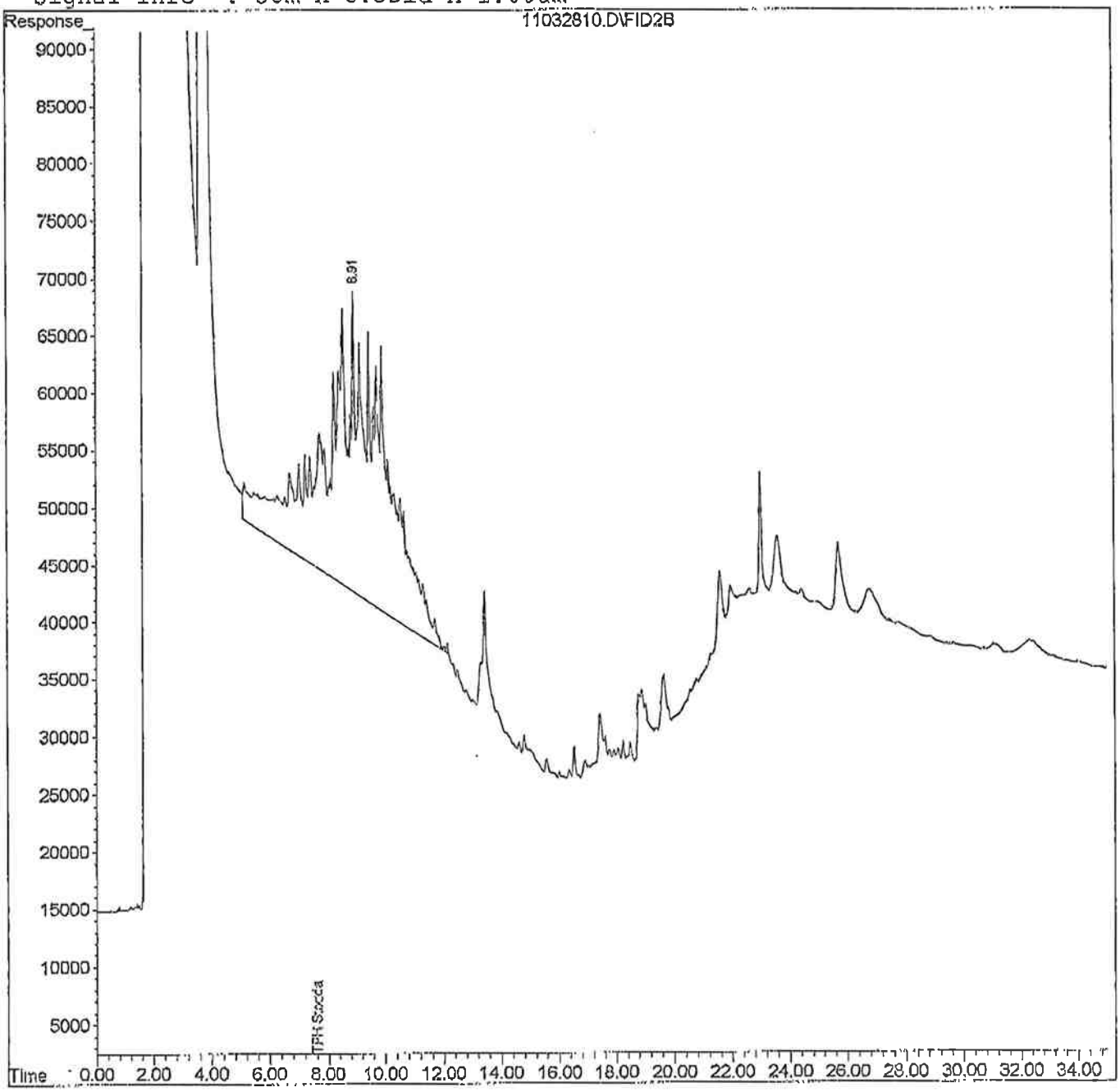
Quantitation Report

Data File : C:\HPCHEM\2\DATA\032811A\11032810.D Vial: 10
Acq On : 28 Mar 2011 17:32 Operator: R.L. JAMES
Sample : 19806-03; TABER Inst : HP-FID
Misc : MW-3 (500ML/1ML) Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Mar 29 7:24 2011 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)
Title : 3500/8015 TPH Stoddard Solvent
Last Update : Wed Jun 11 11:22:01 2008
Response via : Multiple Level Calibration
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL
Signal Phase : J&W DB-5
Signal Info : 30m X 0.53id X 1.00um



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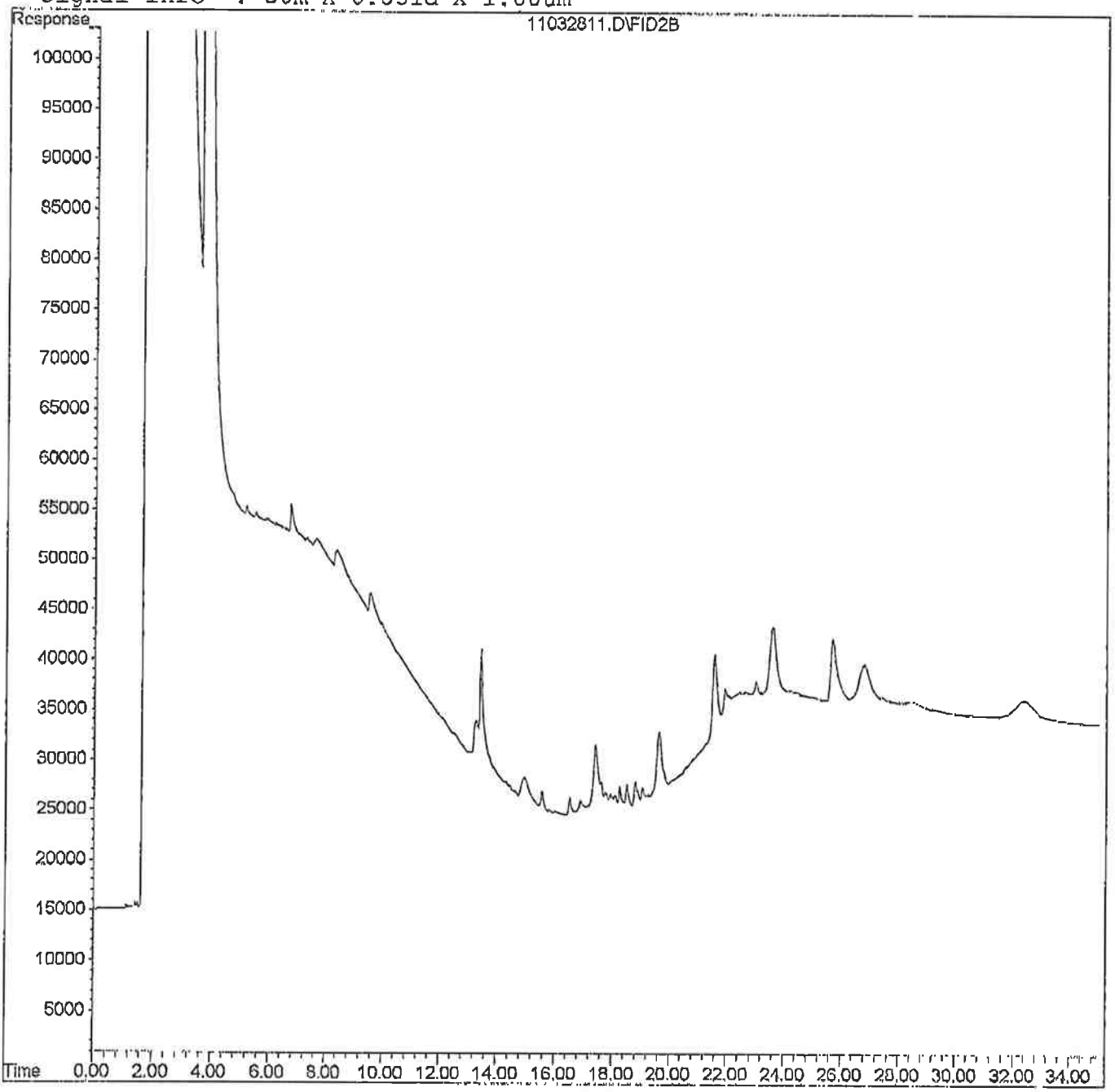
Quantitation Report

Data File : C:\HPCHEM\2\DATA\032811A\11032811.D Vial: 11
Acq On : 28 Mar 2011 18:15 Operator: R.L. JAMES
Sample : 19806-04; TABER Inst : HP-FID
Misc : W-IND (500ML/1ML) Multiplr: 1.00
IntFile : EVENTS2.E
Quant Time: Mar 29 7:21 2011 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)
Title : 3500/8015 TPH Stoddard Solvent
Last Update : Wed Jun 11 11:22:01 2008
Response via : Multiple Level Calibration
DataAcq Meth : TPHD1B.M

Volume Inj. : 2uL
Signal Phase : J&W DB-5
Signal Info : 30m X 0.53id X 1.00um



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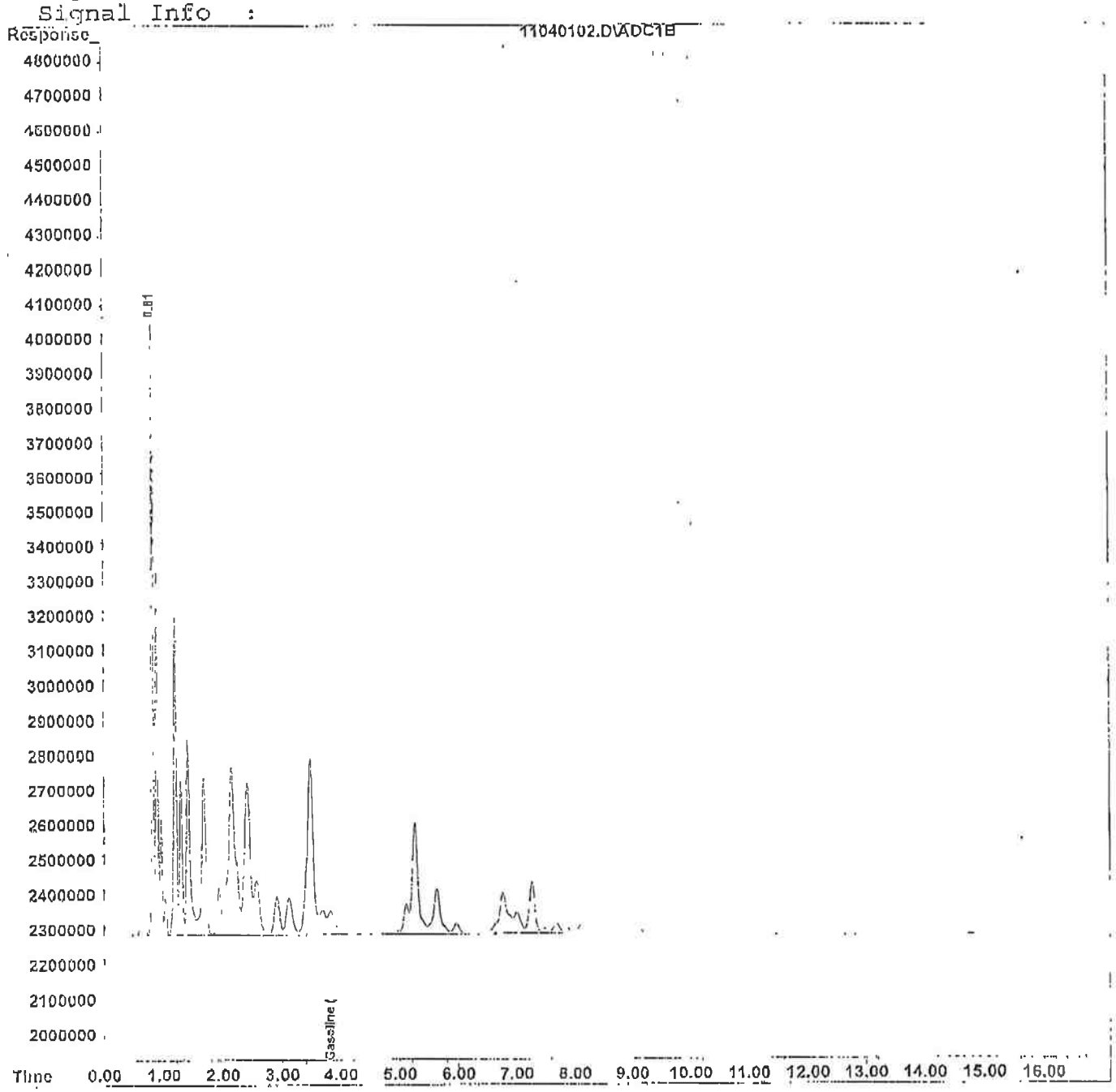
Quantitation Report

Data File : D:\HPCHEM\1\DATA\040111V4\11040102.D Vial: 2
Acq On : 1 Apr 2011 8:27 Operator: R.L. JAMES
Sample : 1.0PPM TPHgas Inst : VAR-4
Misc : P&T (5ML) Multiplr: 0.20
IntFile : TFT1.E
Quant Time: Apr 1 9:10 2011 Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)
Title : GC TPH Method
Last Update : Fri Apr 01 09:09:50 2011
Response via : Multiple Level Calibration
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml
Signal Phase :
Signal Info :



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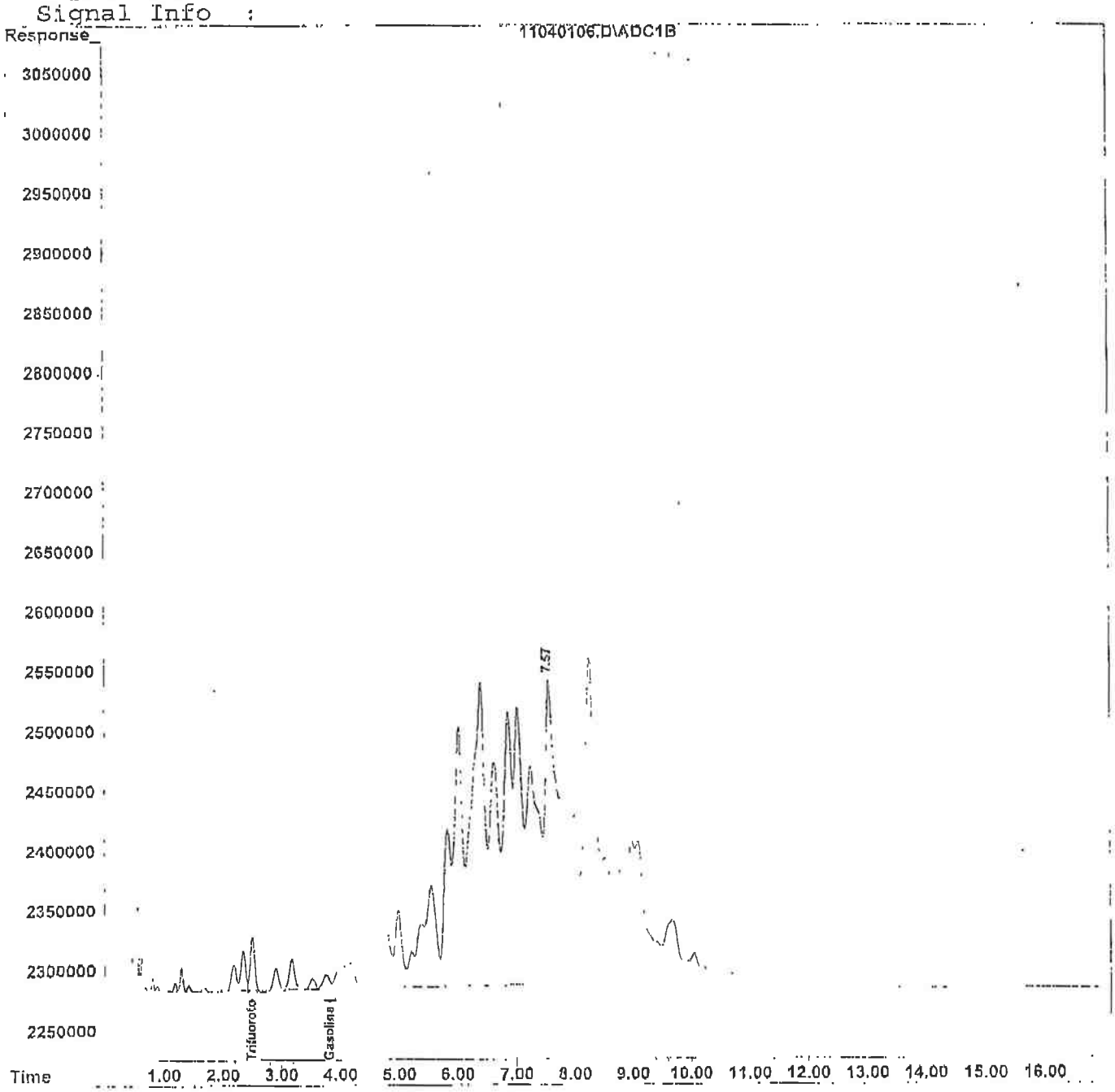
Quantitation Report

Data File : D:\HPCHEM\1\DATA\040111V4\11040106.D Vial: 1
Acq On : 1 Apr 2011 12:25 Operator: R.L. JAMES
Sample : 19806-01;TABER Inst : VAR-4
Misc : MW-1 (500UL/5ML) 1:10 Multiplr: 2.00
IntFile : TFT1.E
Quant Time: Apr 1 12:42 2011 Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)
Title : GC TPH Method
Last Update : Fri Apr 01 09:09:50 2011
Response via : Multiple Level Calibration
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml
Signal Phase :
Signal Info :



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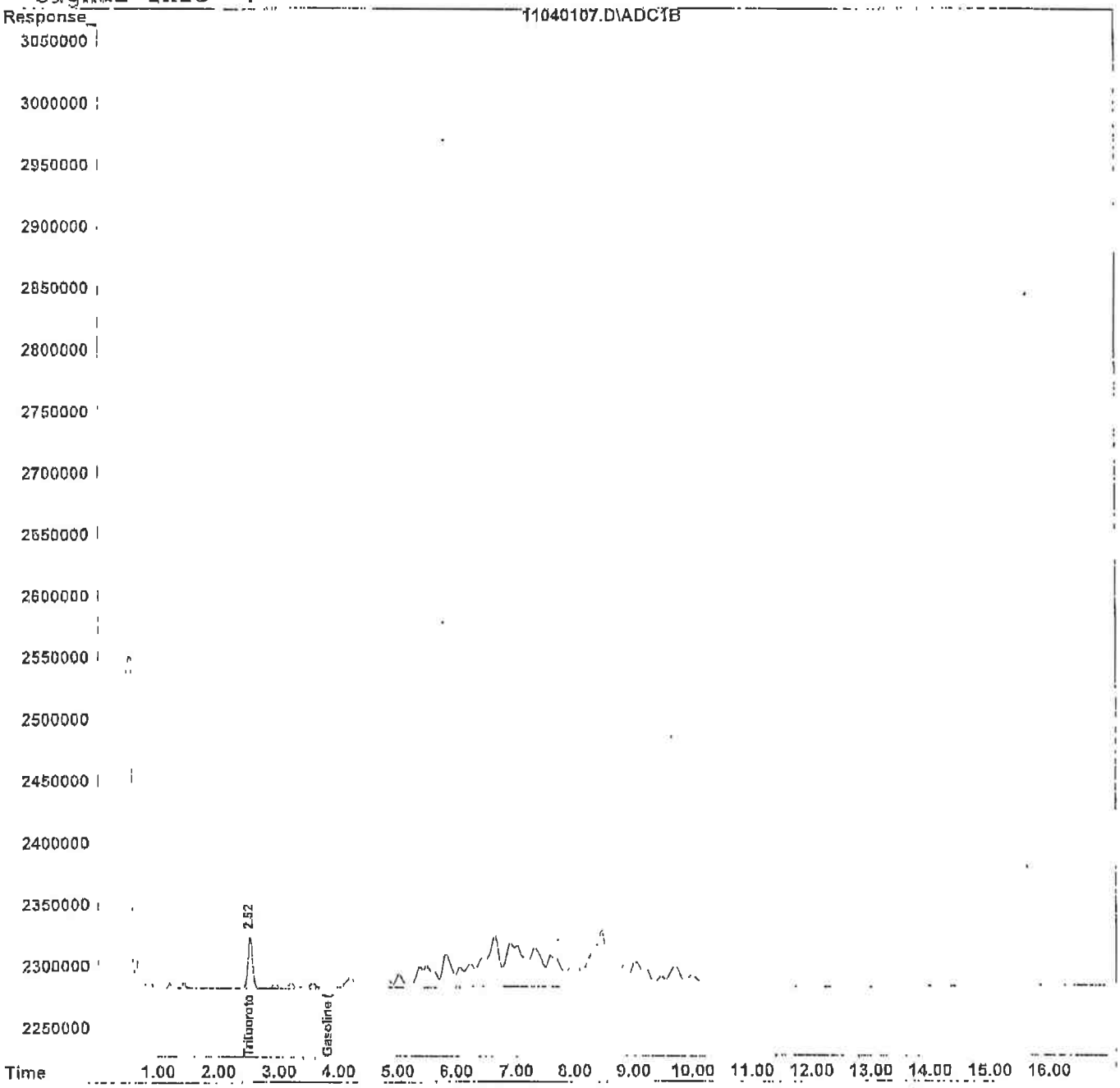
Data File : D:\HPCHEM\1\DATA\040111V4\11040107.D Vial: 2
Acq On : 1 Apr 2011 12:52 Operator: R.L. JAMES
Sample : 19806-02;TABER Inst : VAR-4
Misc : MW-2 (5ML) Multiplr: 0.20
IntFile : TFT1.E
Quant Time: Apr 1 13:09 2011 Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)
Title : GC TPH Method
Last Update : Fri Apr 01 09:09:50 2011
Response via : Multiple Level Calibration
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml
Signal Phase :
Signal Info :



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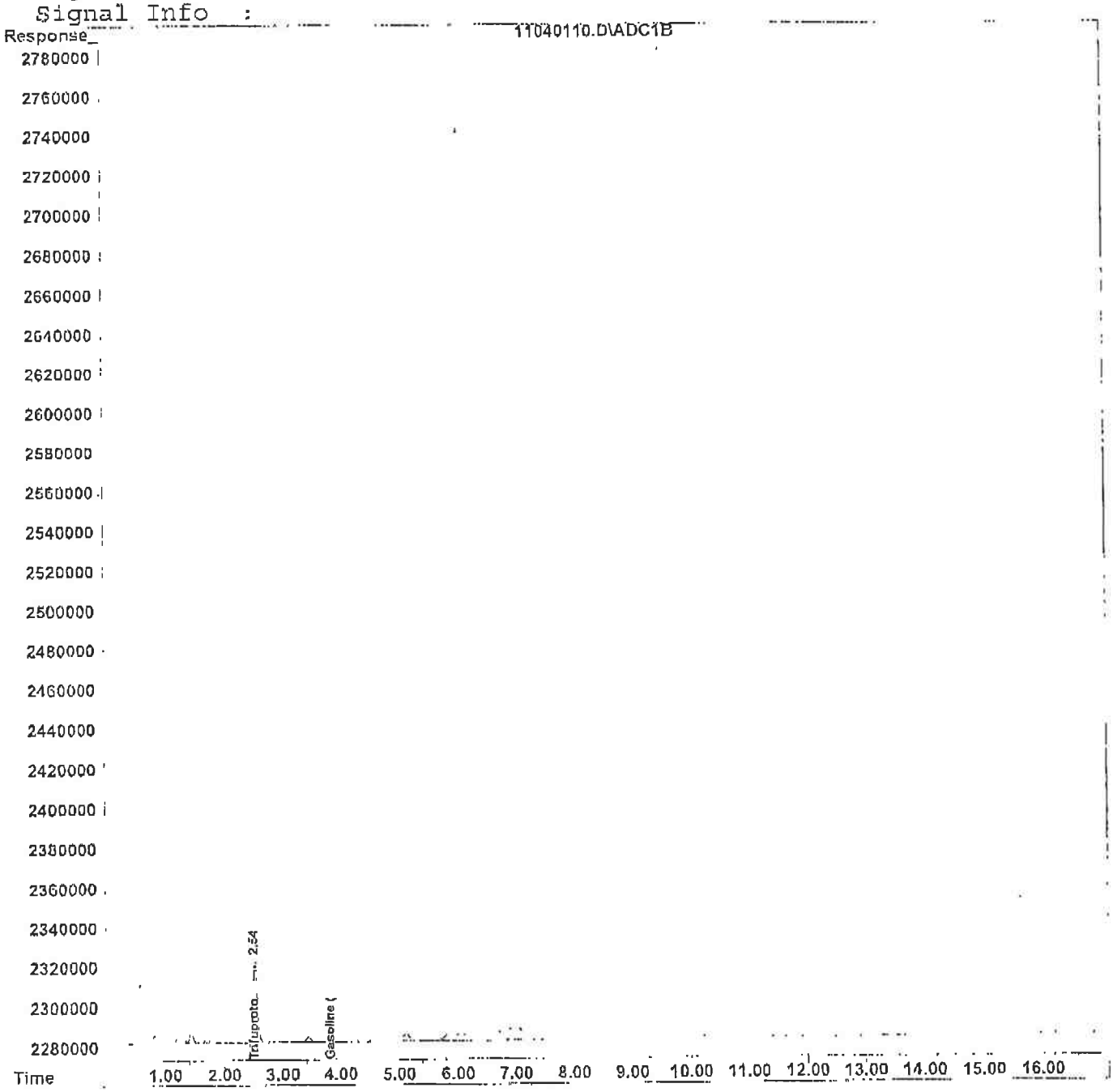
Quantitation Report

Data File : D:\HPCHEM\1\DATA\040111V4\11040110.D Vial: 5
Acq On : 1 Apr 2011 14:12 Operator: R.L. JAMES
Sample : 19806-03;TABER Inst : VAR-4
Misc : MW-3 (500UL/5ML) 1:10 Multiplr: 2.00
IntFile : TFT1.E
Quant Time: Apr 1 14:29 2011 Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)
Title : GC TPH Method
Last Update : Fri Apr 01 09:09:50 2011
Response via : Multiple Level Calibration
DataAcq Meth : TPHGV4.M

Volume Inj. : 5ml
Signal Phase :
Signal Info :



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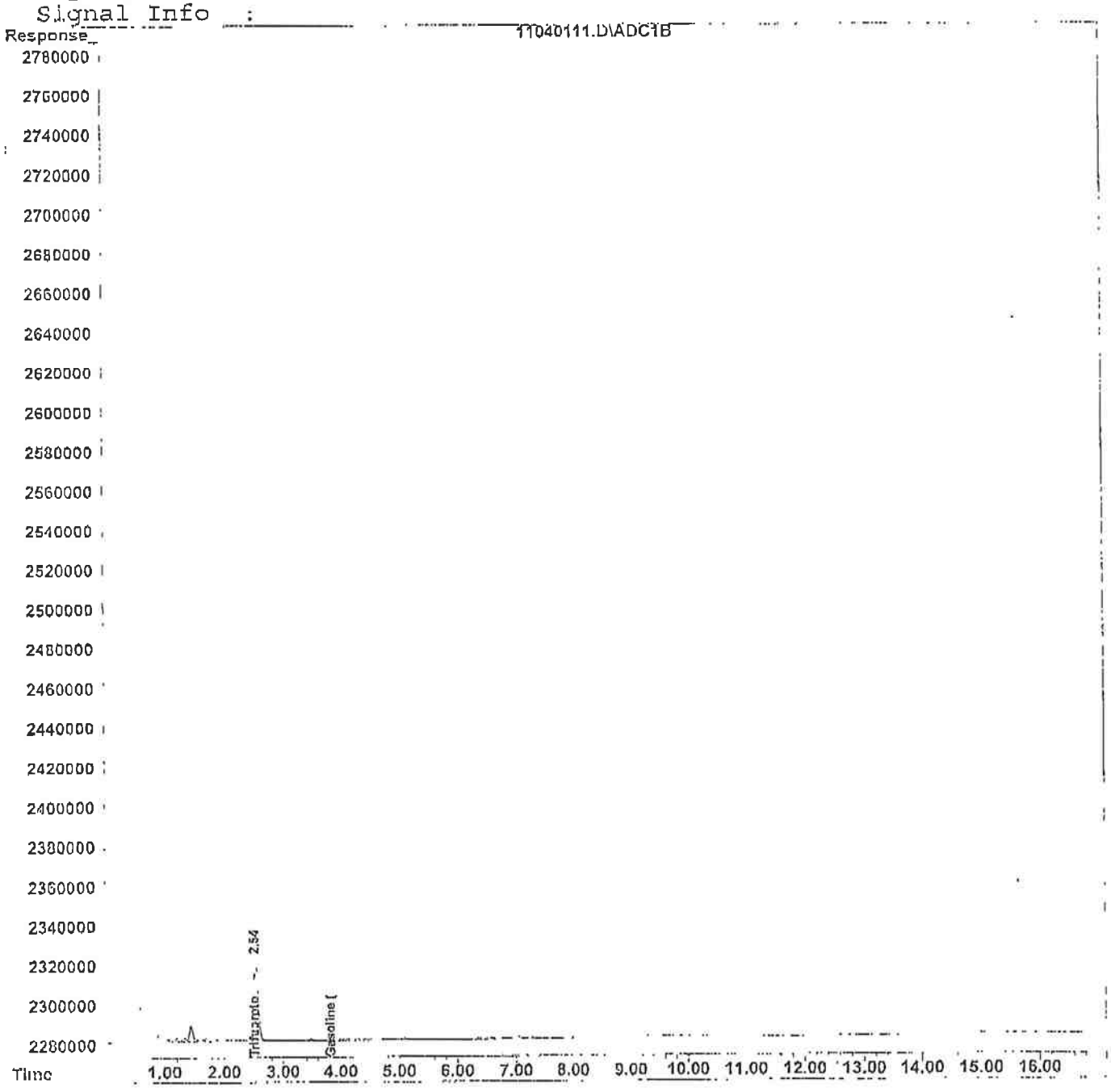
Data File : D:\HPCHEM\1\DATA\040111V4\11040111.D Vial: 6
Acq On : 1 Apr 2011 14:38 Operator: R.L. JAMES
Sample : 19806-04;TABER Inst : VAR-1
Misc : W-IND (5ML) Multiplr: 0.20
IntFile : TFT1.E
Quant Time: Apr 1 14:55 2011 Quant Results File: TPHGV4.RES

Quant Method : C:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)
Title : GC TPH Method
Last Update : Fri Apr 01 09:09:50 2011
Response via : Multiple Level Calibration
DataAcq Meth : TPHGV4.M

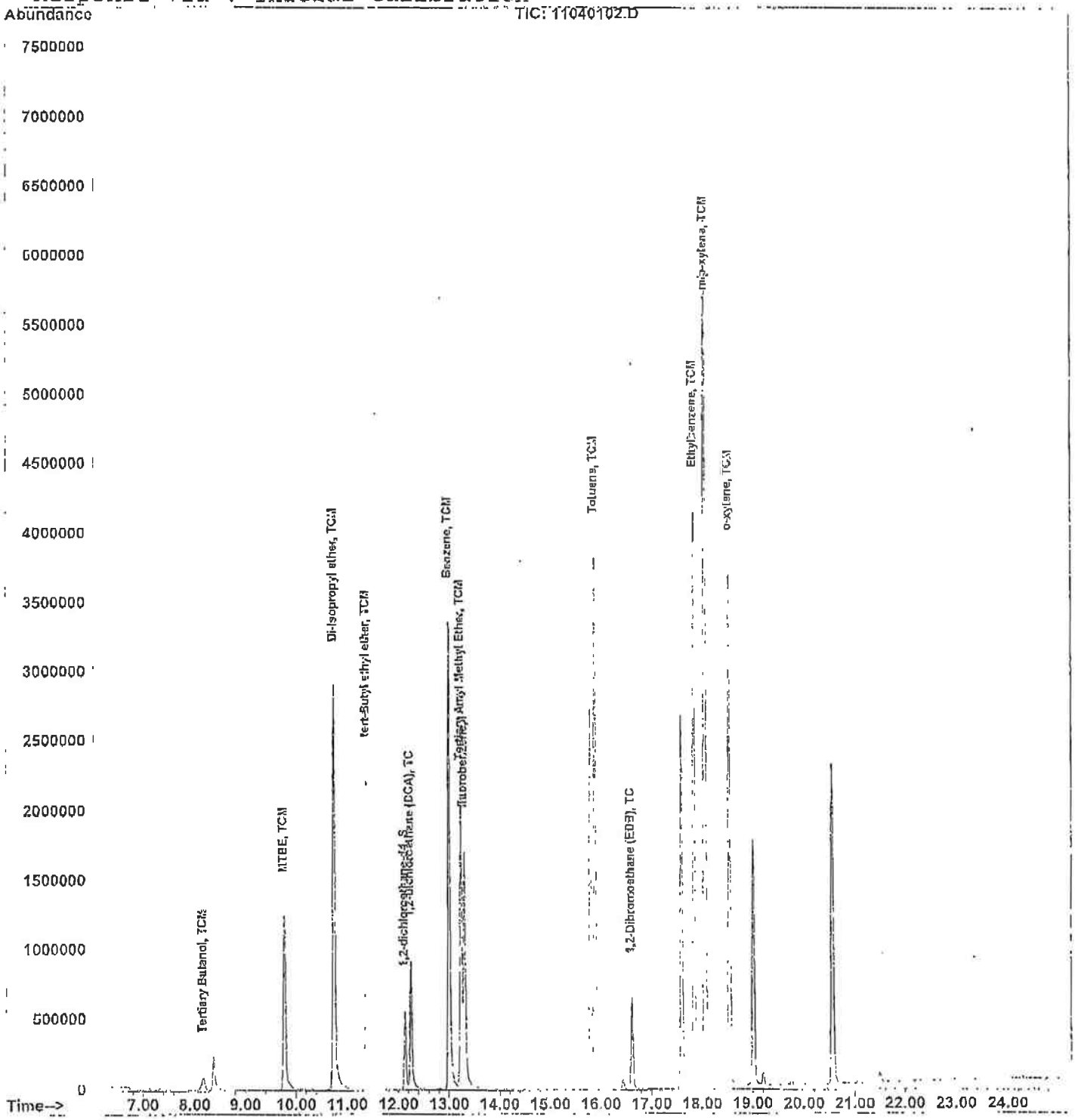
Volume Inj. : 5ml
Signal Phase :
Signal Info :



Quantitation Report

Data File : C:\HPCHEM\1\DATA\040111V1\11040102.D Vial: 2
Acq On : 1 Apr 2011 9:34 Operator: R.L. JAMES
Sample : 50PPB OXY-STD Inst : GCMSVOA1
Misc : P&T Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 1 10:37 2011 Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)
Title : GCMS-VOA#1-OXYGENATES
Last Update : Fri Apr 01 10:37:39 2011
Response via : Initial Calibration



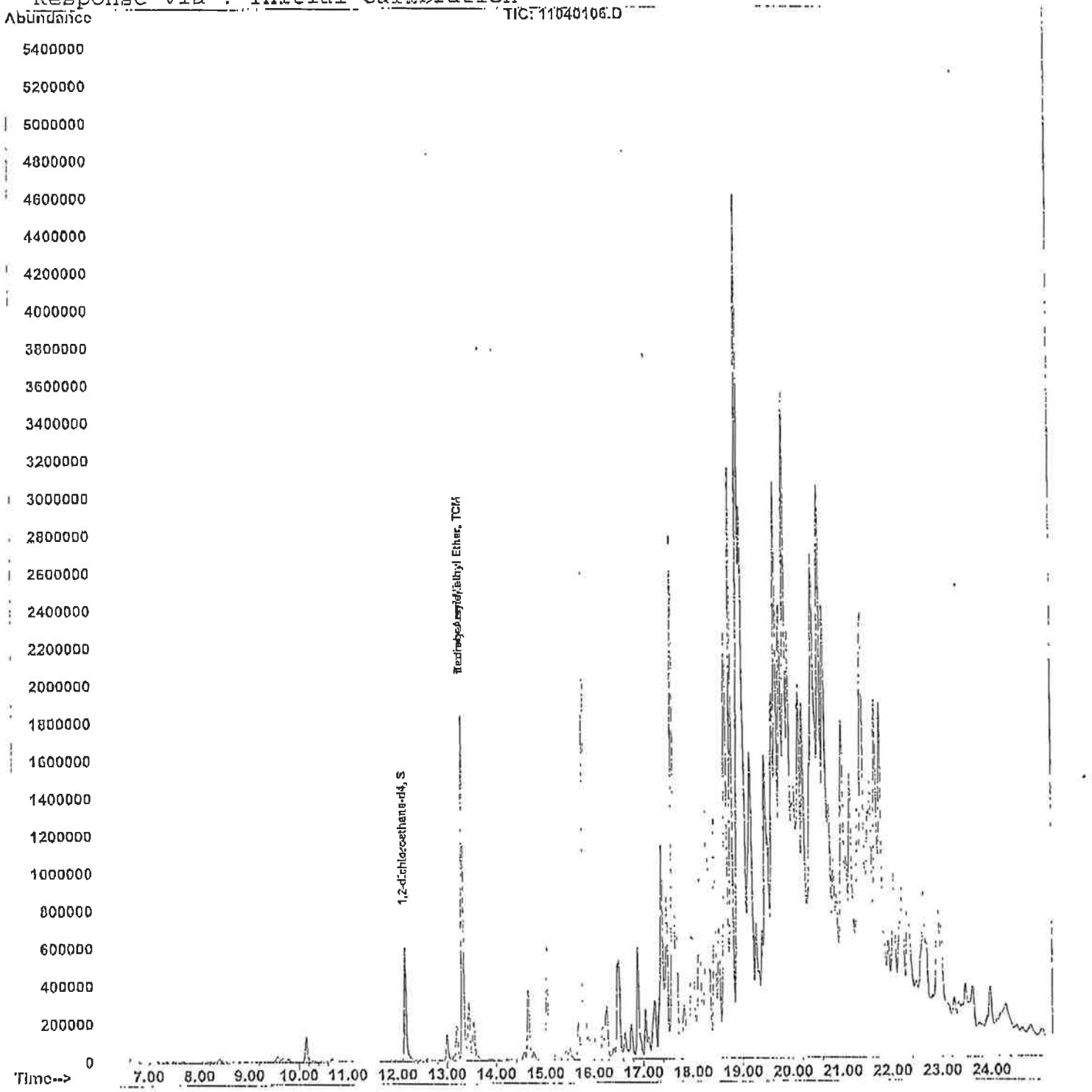
11040102.D OXYF.M Wed Apr 13 12:33:53 2011 GMCS1 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\040111V1\11040106.D
Acq On : 1 Apr 2011 13:17
Sample : 19806-01;TABER
Misc : MW-1 (500UL/5ML) 1:10
MS Integration Params: rteint.p
Quant Time: Apr 1 13:42 2011

Vial: 1
Operator: R.L. JAMES
Inst : GCMSVOA1
Multiplr: 10.00
Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)
Title : GCMS-VOA#1-OXYGENATES
Last Update : Fri Apr 01 10:37:39 2011
Response via : Initial Calibration



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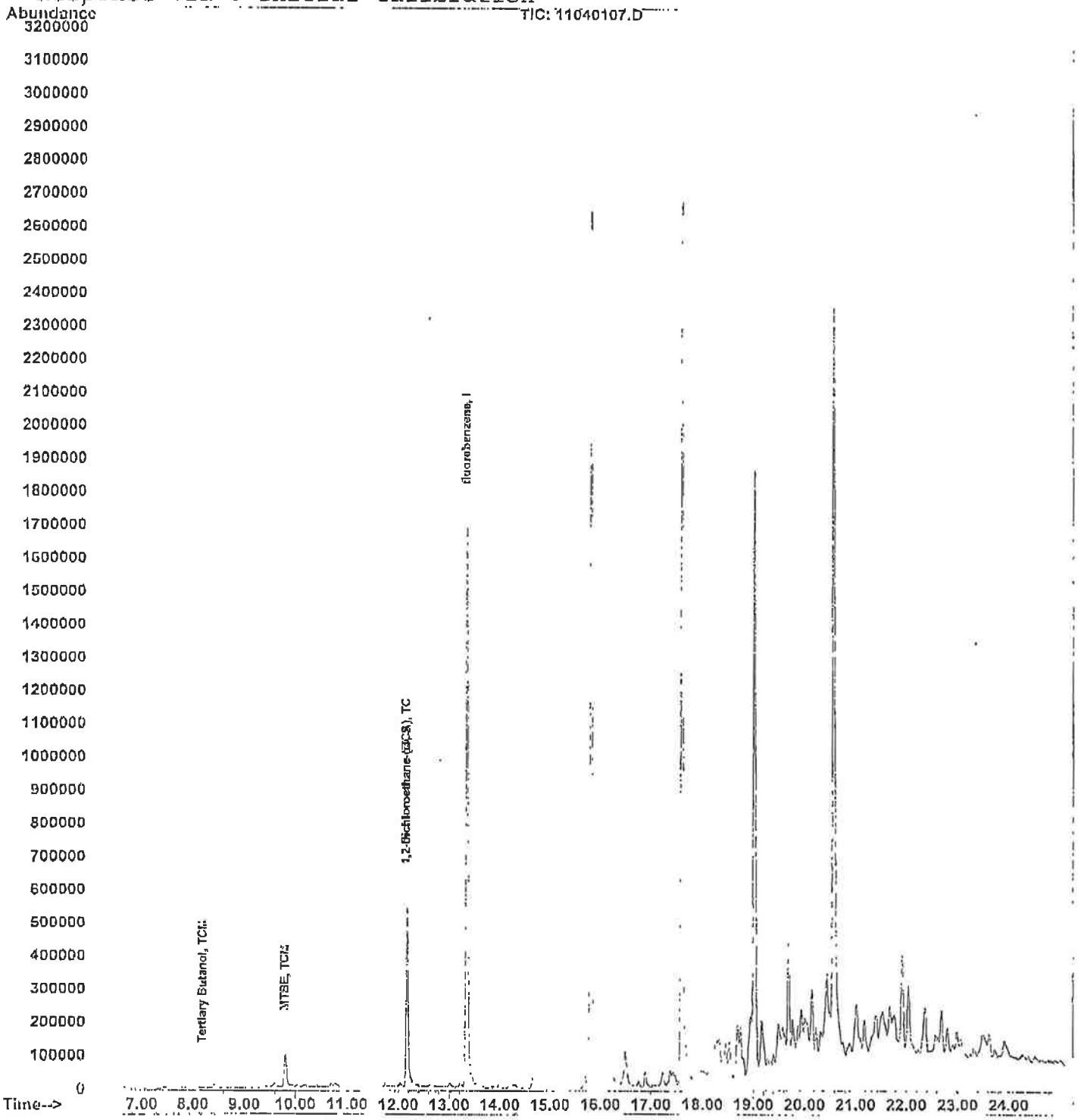
Quantitation Report

Data File : C:\HPCHEM\1\DATA\040111V1\11040107.D Vial: 2
Acq On : 1 Apr 2011 13:49 Operator: R.L. JAMES
Sample : 19806-02;TABER Inst : GCMSVOA1
Misc : MW-2 (5ML) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 1 14:14 2011 Quant Results File: OXYF.RES

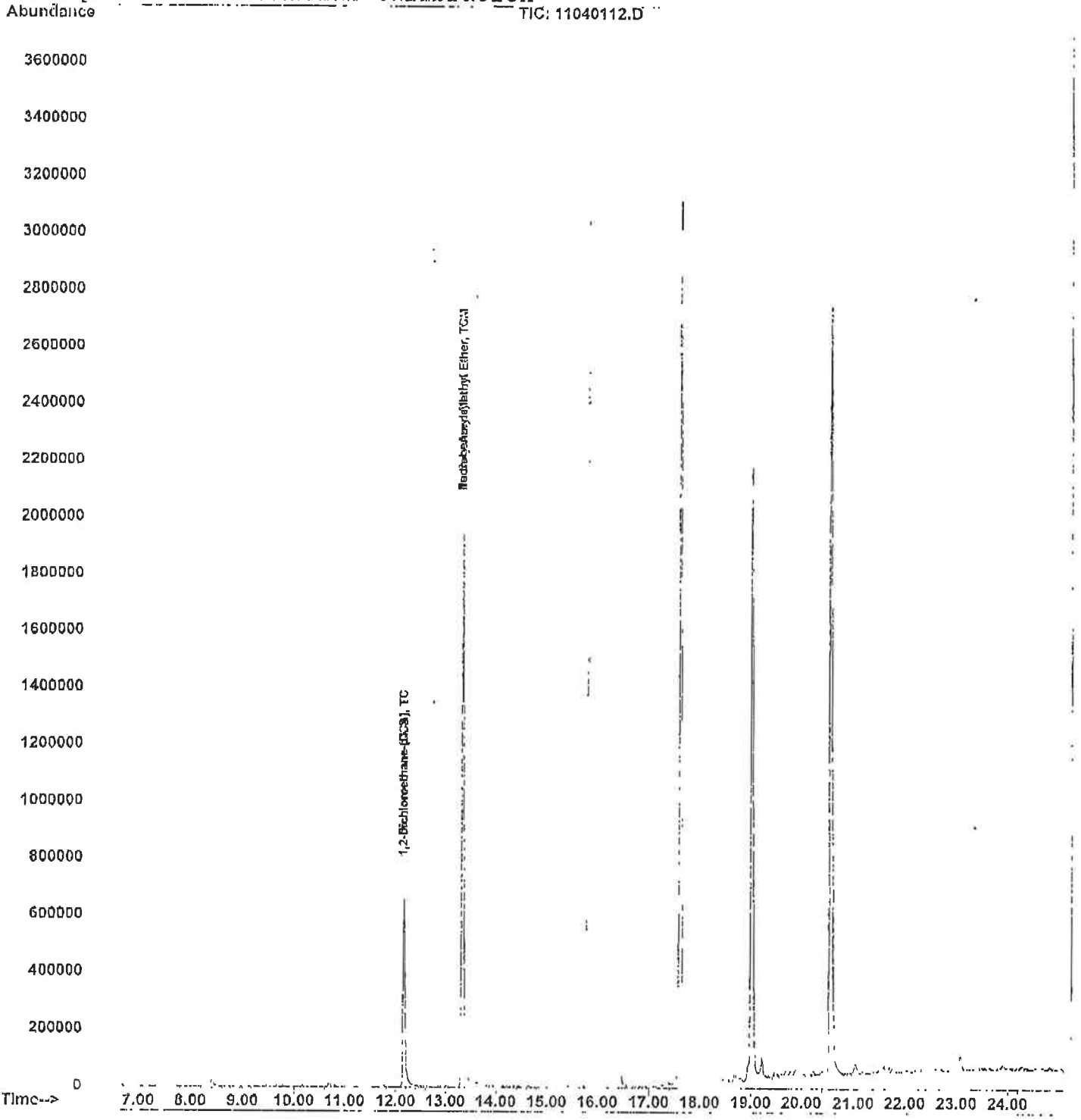
Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)
Title : GCMS-VOA#1-OXYGENATES
Last Update : Fri Apr 01 10:37:39 2011
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\040111V1\11040112.D Vial: 7
Acq On : 1 Apr 2011 17:02 Operator: R.L. JAMES
Sample : 19806-03R1;TABER Inst : GCMSVOA1
Misc : MW-3 (500UL/5ML) 1:10 Multiplr: 10.00
MS Integration Params: rteint.p
Quant Time: Apr 1 17:27 2011 Quant Results File: OXYF.RES

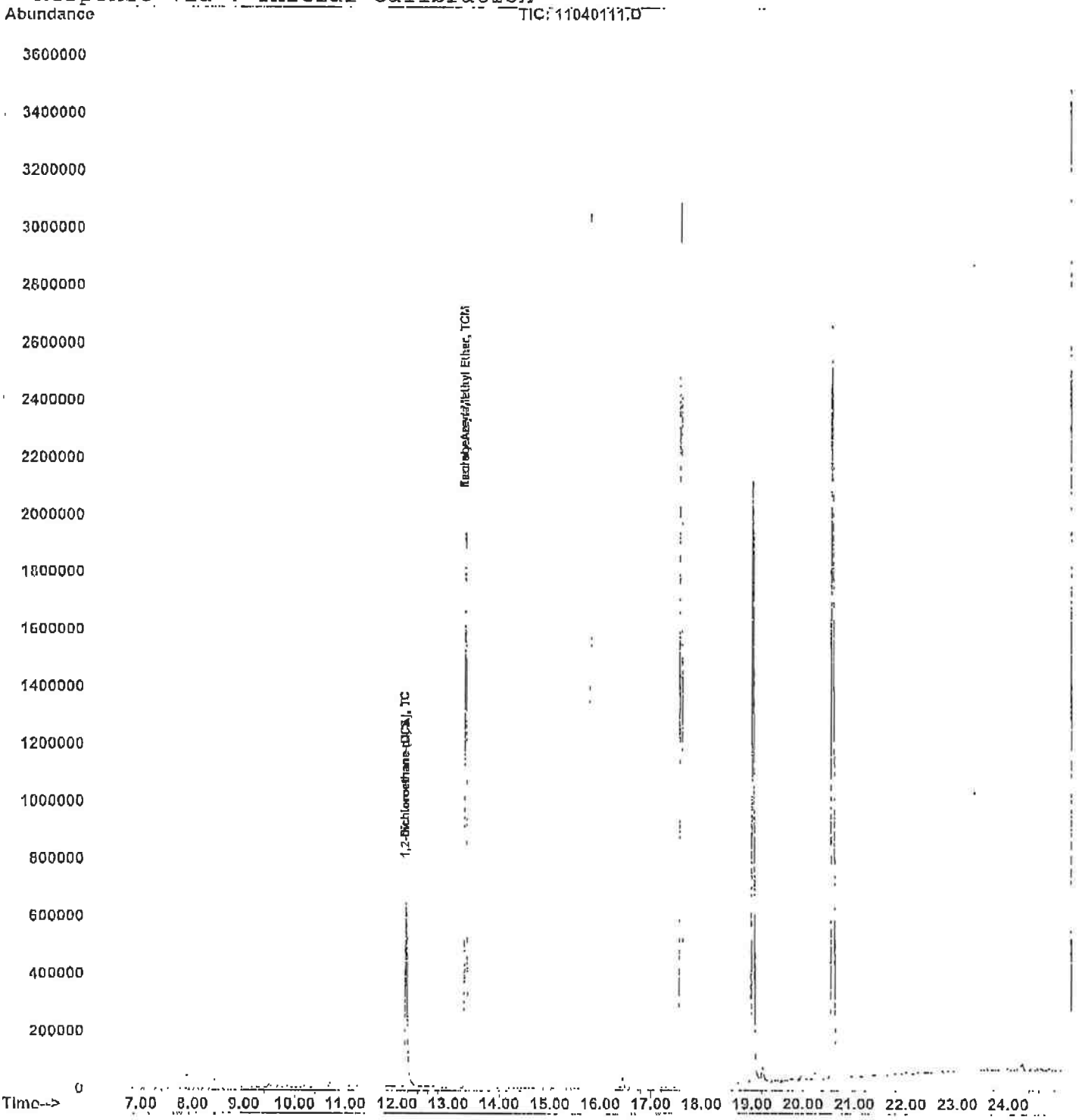
Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)
Title : GCMS-VOA#1-OXYGENATES
Last Update : Fri Apr 01 10:37:39 2011
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\040111V1\11040111.D Vial: 6
Acq On : 1 Apr 2011 15:57 Operator: R.L. JAMES
Sample : 19806-04;TABER Inst : GCMSVOA1
Misc : W-IND (5ML) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 1 16:22 2011 Quant Results File: OXYF.RES

Method : C:\HPCHEM\1\METHODS\OXYF.M (RTE Integrator)
Title : GCMS-VOA#1-OXYGENATES
Last Update : Fri Apr 01 10:37:39 2011
Response via : Initial Calibration



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