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**RECEIVED**

By Alameda County Environmental Health at 1:32 pm, Dec 10, 2014

Mark Detterman, PG, CEG  
Senior Hazardous Material Specialist  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

**Re: Fuel Leak Case No: RO0000133**

Enclosed please find the *Groundwater Monitoring And Results of Chlorinated Solvent Sampling, and Landowner Identification for Case Closure Consideration* dated 12-8-2014 for the former City of Paris Cleaners site located at 3516 Adeline Street, Oakland, CA 94608. This report 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



Taber Consultants  
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West Sacramento, CA 95691-2116  
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December 8, 2014

Mr. Mark Detterman  
Alameda County Health Care Services Agency  
1131 Harbor Parkway, #250  
Alameda, CA 94502

**Re: Groundwater Monitoring And Results of Chlorinated Solvent Sampling,  
Landowner Identification for Case Closure Consideration  
Fuel Leak Case No. RO0000133  
GeoTracker Global ID T0600100379  
City of Paris Cleaners, 3516 Adeline Street, Oakland, CA 94608  
Taber Project No. 2011-0107**

Dear Mark:

On behalf of Paulette Satterley, Taber Consultants submits this report advising Alameda County Health Care Services Agency (ACHCSA) of groundwater monitoring activities conducted following ACHCSA's August 29, 2014 letter directing Taber Consultants to evaluate the City of Paris Cleaners site (the Site) with respect to chlorinated solvents (Appendix A). The letter also advised Taber Consultants the List of Landowners Form was required. Taber Consultants conducted groundwater monitoring activities at the Site on September 24, 2014, and requested the completed documents from the respective parties at the Site. This letter reports the findings on the groundwater monitoring and sample analysis, attaches the completed forms, and recommends Site closure.

### **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 Buckley. 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 living quarters and City of Paris Studios, a workshop for art, art restoration, collectibles and hobbies. Mrs. Runyon acquired the property in July 2000.

### **Former Tank Use**

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. In 1990, one 750-gallon and two 1,000-gallon underground tanks used to store Stoddard Solvent were removed from the Site. In 1991, an additional 250-gallon UST was removed.

In 1987, Frank Champion, the owner at that time, applied for permits to 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.

## Site History

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. UES contracted W.A. Craig to over excavate the eastern portion of the tank pit on August 30, 1991. During over excavation, 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. ACHCSA approved use of bioremediated soil from the tank pit 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. Beginning November 18, 1992, groundwater samples were analyzed for Total Petroleum Hydrocarbons as Stoddard Solvent (TPH-SS), TPH as diesel (TPH-D), TPH as gasoline (TPH-G), methyl tertiary butyl ether (MTBE), and benzene, toluene, ethyl benzene and total xylenes (BTEX).

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. 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). Well construction for the monitoring wells and the industrial wells is described in Table 1.

Taber Consultants, formerly Western Resource Management (WRM), assumed environmental consulting responsibilities for the Site commencing in June 2007. Taber Consultants performed groundwater monitoring at the Site for the first and second semi-annual periods of 2009.

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 Consultants reduced monitoring at the Site to two semi-annual monitoring events in February and August. Corresponding reports were the First Semi-Annual and Second Semi-Annual Monitoring Reports.

In March 2011 Taber Consultants resurveyed top of well casings during groundwater monitoring activities. In May 2011 Taber Consultants conducted site investigation activities which included: video well logging to evaluate well screen and casing condition; hydrogeology characterization using cone penetrometer testing (CPT), the GeoProbe® hydraulic profiling tool (CPT), continuous push soil borings; assessing distribution of impacted soil by analyzing soil samples and grab groundwater samples; and assessing Site groundwater chemistry by analyzing grab groundwater samples for natural attenuation parameters. The findings of the investigation are detailed in the *Site Investigation Report*, *Human Health Risk Assessment Report*, and *Natural Attenuation Analysis Report* dated February 1, 2012. Based on the results of CPT, HPT and soil sampling discussed in the 2012 Site Investigation Report, an upper and lower water-bearing zone were identified within approximately 40 feet beneath

the Site. The upper groundwater zone is located between approximately 10 and 20 feet bgs and the lower groundwater zone is located between approximately 30 and 40 feet bgs. Tables 2, 3, and 4 summarize data acquired during the 2011 site investigation.

In 2013 Taber Consultants conducted a Site Investigation to obtain information to resolve data gaps identified in the January 23, 2013 *Revised Site Conceptual Model and Amended Additional Site Investigation Plan*. The geophysical exploration confirmed that there were no remaining tanks on Site. Taber Consultants confirmed that concentrations of TPH-SS in soil was below laboratory reporting limits between 0 and 5 feet bgs, and that with the exception of a single 10 mg/kg sample taken at 7 feet bgs, soils sampled between 5 to 10 feet bgs were also below laboratory reporting limits.

Taber Consultants found that concentrations of TPH-SS and weathered TPH-SS (detected within the TPH-G range during laboratory analysis) attenuated rapidly with distance from the source area located at the former UST location. Groundwater in the shallow groundwater zone (between 10 and 20 feet bgs) within the Site was strongly influenced by the source-area TPH SS plume, however the deeper groundwater zone between 30 and 40 feet bgs had relatively low concentrations of TPH SS and weathered TPH-SS.

Detailed Site history and a complete Conceptual Site Model are included in Taber Consultants June 26, 2104 *Updated Site Conceptual Model, Site Investigation Report, And No Further Action Request*.

### **Groundwater Monitoring Activities And Results**

On September 24, 2014, 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.

### **Groundwater Elevation Measurements**

Depth-to-groundwater was measured in wells 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 13.23, 12.40, 12.30, and 13.34 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 18.07, 18.63, 18.83, and 19.14 feet amsl. Current groundwater depth and elevation data is presented in Table 2 and historic groundwater depth and elevation data trends are presented in Table 3 and Chart 1.

### **Natural Attenuation Status**

The oxygen concentrations in wells MW-1, MW-2, MW-3 and W-IND were 0.88, 1.82, 0.95 and 2.24 mg/l, respectively. The ORP measurements in wells MW-1, MW-2, MW-3 and W-IND were -96.0, -117.6, -129.6 and -174.0 mV, respectively. These results are tabulated in Table 4.

### **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, and 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).

The groundwater samples were analyzed for TPH-SS and TPH-G by EPA Method 8015B; and BTEX and MTBE by EPA Method 8260B.

### **Analytical Results**

TPH-SS was detected in the groundwater samples from monitoring wells MW-1, MW-2, MW-3 and W-IND at concentrations of 2,300, 8,000, 2,100 and 3,600 µg/L respectively. TPH-G, which has the laboratory note "Non-typical TPH pattern present in gas range," was detected in the groundwater samples from monitoring wells MW 1, MW-2 and MW-3 at concentrations of 3,700, 340, and 700 µg/L, respectively. MTBE was detected in the groundwater samples from monitoring wells MW-2 and MW-3 at concentrations of 1.1 and 3.0 µg/L, respectively. Toluene was detected in the groundwater sample from MW-3 at 3.1 µg/L. Ethyl benzene was detected in the groundwater samples from monitoring well MW-1 and MW-3 at 5.2 and 6.6 µg/L, respectively. Total xylenes were detected in the groundwater samples from monitoring well MW-1 and MW-3 at 2.6 and 20 µg/L, respectively. Naphthalene was detected in the groundwater samples from monitoring well MW-1 and MW-3 at 5.7 and 10 µg/L, respectively. Benzene was not detected at or above the laboratory reporting limits in the monitoring well samples. No analytes other than TPH-SS was detected at or above the laboratory reporting limits in well W IND.

Per ACHCSA's request, a full 8260 analysis was done on the groundwater samples from each well to assess the presence of chlorinated solvents at the Site, which were typically used in dry cleaning operations after the more volatile petroleum hydrocarbons were phased out. No chlorinated solvents were detected at the Site, however in the sample from MW-1 1,3,5-Trimethylbenzene, Isopropyl benzene, n-Propyl benzene, and tert-Butyl benzene were detected at 2.0, 90, 80 and 3.2 µg/L, respectively. The sample from MW-2 had tert-Butyl benzene detected at 1.2 µg/L. The sample from MW-3 had Isopropyl benzene, n-Propyl benzene, and tert-Butyl benzene were detected at 80, 50, and 3.4 µg/L, respectively. Other analytes (with the exception of those listed in this paragraph) from the samples for MW-1, MW-2, MW-3 and W-IND were below laboratory reporting limits.

Groundwater elevations based on the September 24, 2014, water level measurements in the wells are shown on Figure 3. Laboratory analytical results are shown on Figure 4 and summarized in Table 2. A historical summary of groundwater elevations and analytical results for the wells is included in Table 3. Graphs of the groundwater elevations in the monitoring wells relative to each other are shown on Chart 1. Trend graphs of concentrations of TPH-SS, TPH-G and groundwater elevations for MW-1, MW-2, and MW-3 are shown on Charts 2, 3 and 4. The field data sheets are included in Appendix B. The laboratory analytical reports and chain-of-custody documentation are included in Appendix C.

### **Landowner Identification for Case Closure Consideration**

The ACHCS requested that the List of Landowners Form be filled out pursuant to Section 25297.15(a) of the California Health and Safety Code. The List of Landowners Form Part 1 was completed by the responsible parties for the Site cleanup and former land owners as follows:

Mr. Mark Detterman  
Alameda County Health  
Care Services Agency  
Page 5



Paulette Satterley  
14601 Guadalupe Drive  
Rancho Murieta, CA 95683

Frank L. Champion  
9441 Laguna Lake Way  
Elk Grove, CA 95758

Paula Champion-Braig  
280 Mountain Avenue  
Piedmont, CA 94611-3506

Michael Champion  
1700 Main Street  
Montara, CA 94037

Part 2 of the form for The List of Landowners Form was completed by the current property owner as follows:

Debra Buckley  
3916 Adeline Street  
Oakland, CA 95608

The forms are attached as Appendix D.

## **Conclusions**

Through analysis of the September 24, 2014, groundwater samples from the Site, Taber Consultants has confirmed that chlorinated solvents are not detected at the Site and are not an impediment to closure based on the California State Water Resources Control Board's UST Low Threat Closure Policy (LTCP).

## **Recommendations**

As noted in the June 26, 2014, *Updated Site Conceptual Model, Site Investigation Report, And No Further Action Request*, studies at the Site, including vapor intrusion and health hazard risk assessment, have shown that no health hazard exists at the Site. The TPH-SS plume at the Site is stable and contracting. Concentrations of TPH-SS in soils less than 10 feet bgs are below the 100 mg/kg TPH criteria set forth in the LTCP. Based on these factors and on the LTCP checklist criteria, Taber Consultants recommends closure to further regulatory action under Class 2, Class 4 and Class 5 of the LTCP criteria.

In conjunction with site closure, Taber Consultants recommends abandoning the three monitoring wells and the industrial well at the Site.

## Limitations

The interpretations and/or conclusions contained in this report represent our professional opinions. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices at this time and for this specific site in Alameda County in 2014. 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 will be performed under the direct supervision of the Professional Geologists, registered with the State of California, whose signatures appear below.

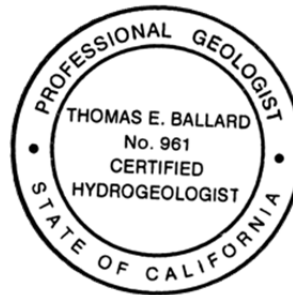
We appreciate the opportunity to provide you with geologic, engineering and environmental consulting services and trust this report meets your needs. If you have any questions or concerns, please call us at (916) 371-1690.

Sincerely,

### Taber Consultants



Ellen Pyatt, MSc.  
Project Geologist



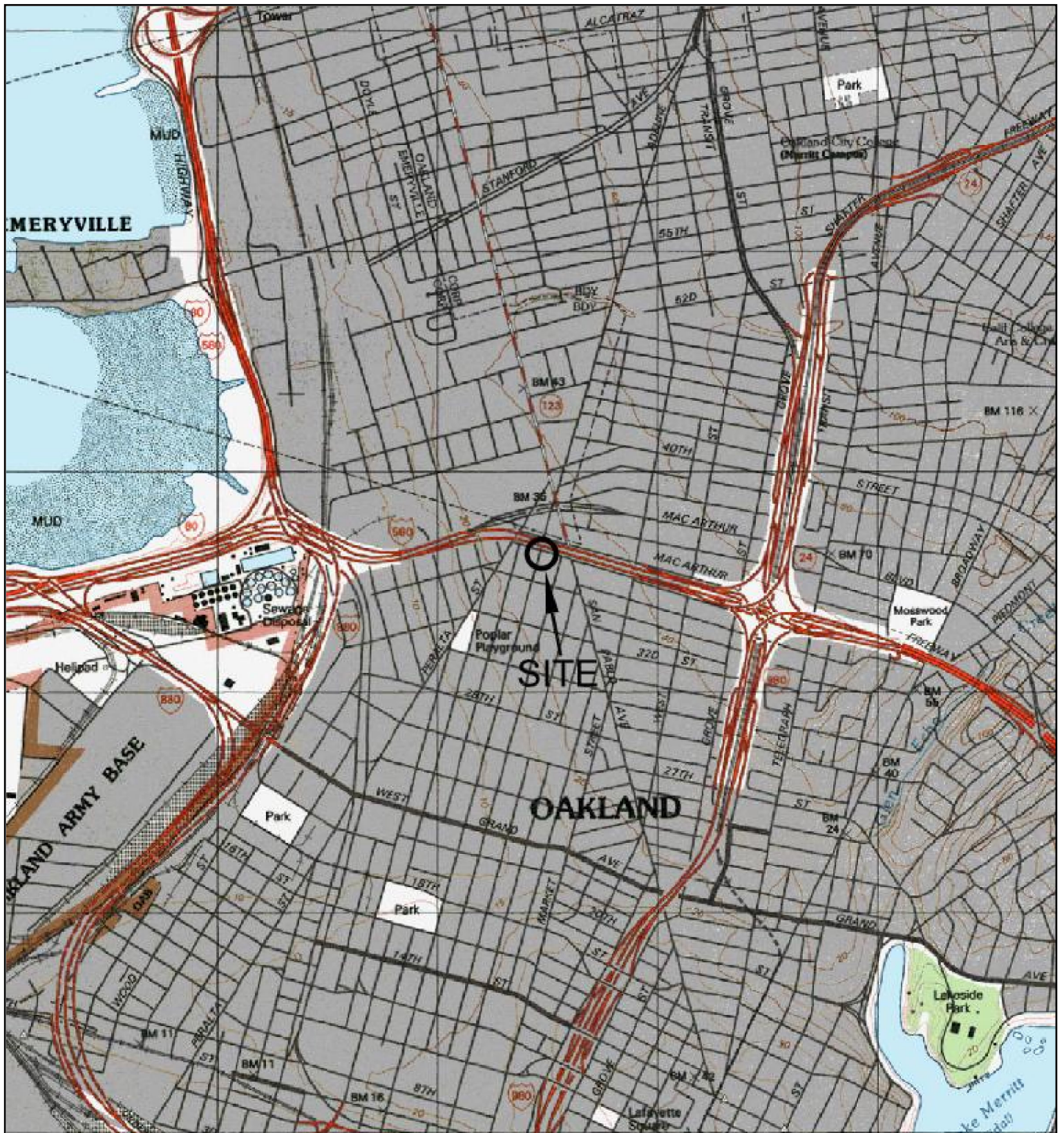
Thomas E. Ballard, P.G. #7299, C.H.G. #961  
Principal Hydrogeologist

### Attachments:

- |             |   |
|-------------|---|
| Figure 1.   | Vicinity Map  |
| Figure 2.   | Site Map  |
| Figure 3.   | Groundwater Elevation Map - September 2014                        |
| Figure 4.   | Groundwater Analytical Summary - September 2014                   |
| Table 1.    | Well Construction Summary   |
| Table 2.    | September 2014 Groundwater Elevation And Analytical Results       |
| Table 3.    | Groundwater Elevation And Analytical Results -- Summary           |
| Table 4.    | Groundwater Field Readings - Natural Attenuation Parameters       |
| Appendix A. | Alameda County Health Care Services Agency August 29, 2014 Letter |
| Appendix B. | Field Data Sheets   |
| Appendix C. | Laboratory Analytical Reports                                     |
| Appendix D. | List of Landowners Forms  |

## FIGURES





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

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 Since 1954

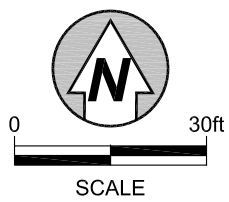
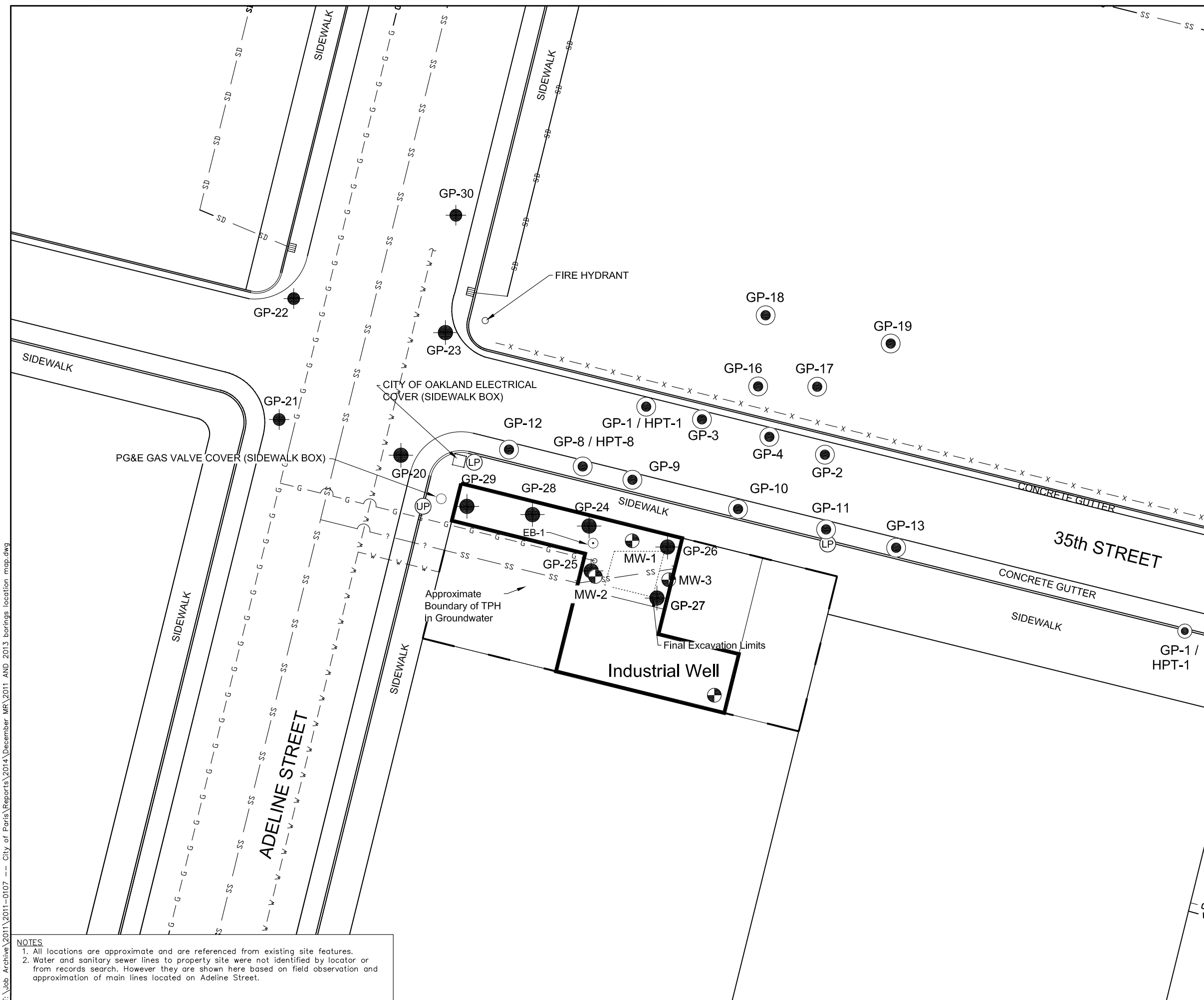
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Former City of Paris Cleaners










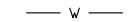
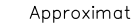
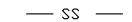
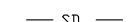

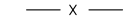


3516 Adeline Street  
 Oakland, California

**Vicinity Map**

2011-0107	December 2014	Figure 1
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**LEGEND:**

-  Cross Section Location
-  ?
-  Geophysical investigation exploration.
-  GP-23 Boring Locations
-  GP-19 Soil Boring May 2011 (Taber Consultants)
-  EB-1 Soil Boring 3-19-98
-  MW-1 Approximate Location of Well
-  UP Approximate Location of Utility Pole
-  LP Approximate Location of Light Pole
-  w Approximate Location of Water Line
-  g Approximate Location of Geoprobe / Hydraulic Profiling Tool  
Approximate Location of Gas Line
-  ss Approximate Location of Sanitary Sewer Line
-  sd Approximate Location of Storm Drain
-  x Approximate Location of Unknown Discontinuous Signal
-  x Approximate Location of Fence
-  — — Approximate Site Boundary
-  Inlet for Storm Drain

**NOTES**

1. All locations are approximate and are referenced from existing site features.
2. Water and sanitary sewer lines to property site were not identified by locator or from records search. However they are shown here based on field observation and approximation of main lines located on Adeline Street.

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**Former City of Paris Cleaners**

**3516 Adeline Street**  
**Oakland, California**

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**Site Map**

2011-0107	December 2014	Figure 2
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EB-2



EB-3



EB-4



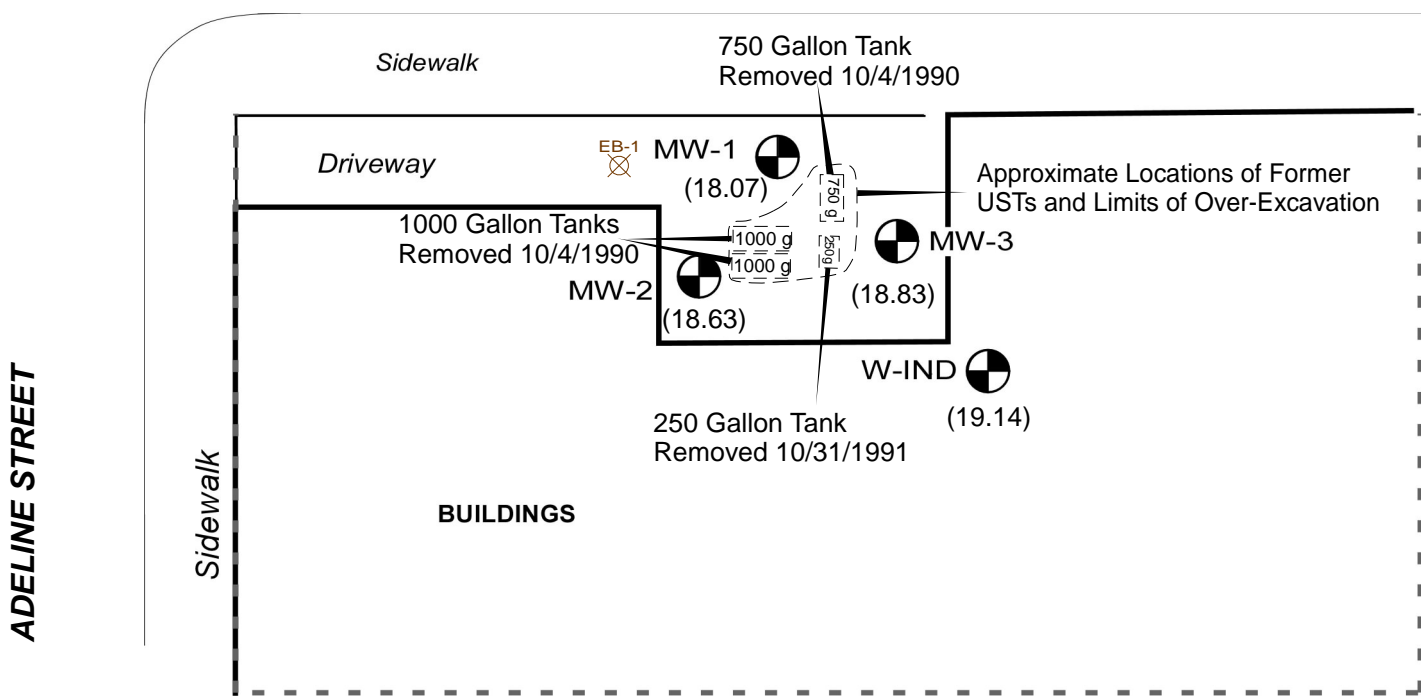
EB-5



EB-6



### 35TH STREET



### LEGEND

- MW-2 Groundwater Monitoring Well
- W-IND Industrial Well
- Approximate Site Boundary (Assessor's Parcel Number 5-478-23)
- (20.14) Groundwater Elevation In Feet Above Mean Sea Level

Groundwater Monitoring Data from September 24, 2014

			<b>Taber Consultants Engineers and Geologists</b> 3911 West Capitol Avenue West Sacramento, CA 95691-2116 916.371.1690 Fax 916.371.7265 <a href="http://www.taberconsultants.com">www.taberconsultants.com</a>		
			Former City of Paris Cleaners		
3516 Adeline Street Oakland, California					
<b>Groundwater Elevation Map - September 2014</b>					
2011-0107	December 2014	Figure 3			

EB-2  
⊗

EB-3  
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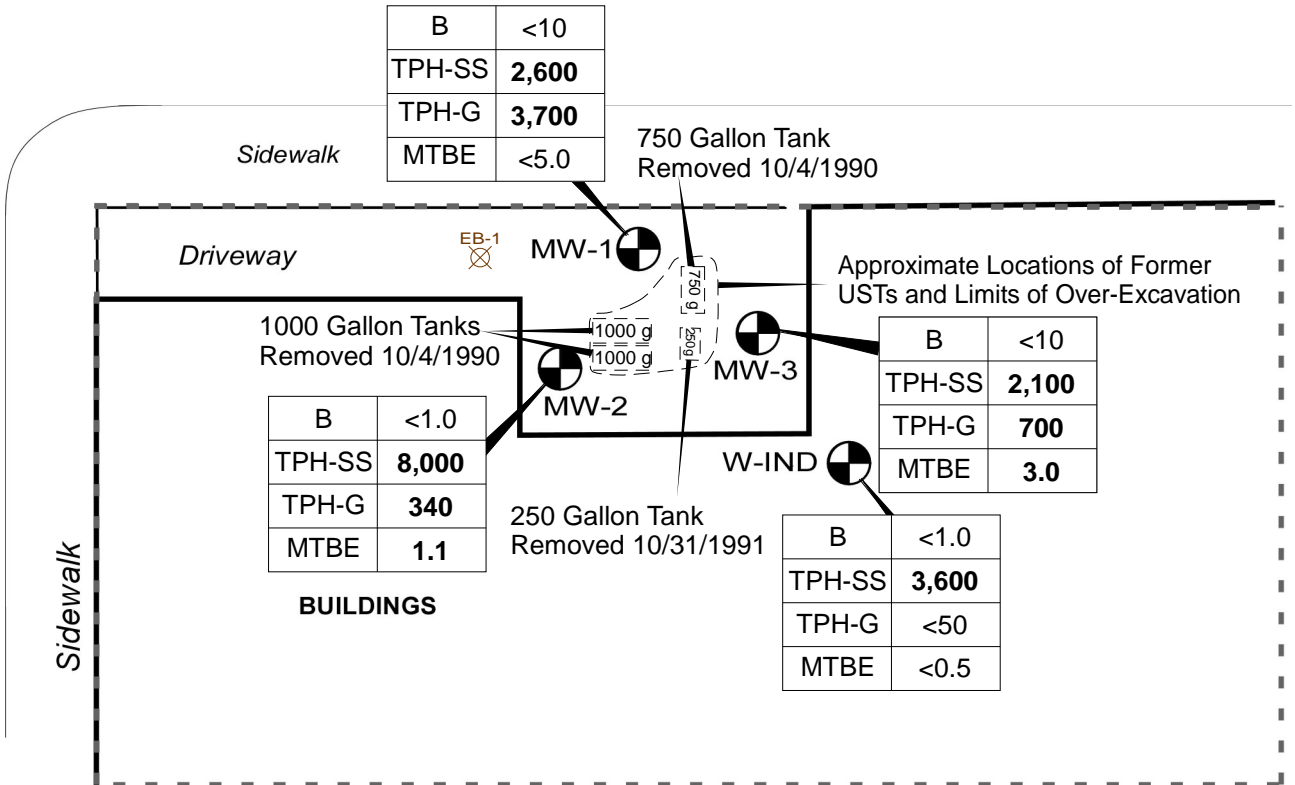
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EB-5  
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

EB-6  
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**35TH STREET**

**ADELINE STREET**

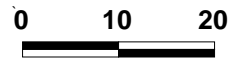
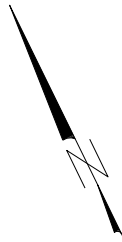


**LEGEND**


-  MW-2 Groundwater Monitoring Well
-  W-IND Industrial Well
-  Approximate Site Boundary (Assessor's Parcel Number 5-478-23)

B	<1.0	Benzene in micrograms per liter (µg/l)
TPH-SS	<50	Total petroleum hydrocarbon as Stoddard Solvent in µg/l
TPH-G	<50	Total petroleum hydrocarbons as gasoline in µg/l
MTBE	<0.5	Methyl tertiary-butyl ether in µg/l

Groundwater Monitoring Data from September 24, 2014



Approximate Scale in Feet  
1 inch = 20 feet

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<p>Former City of Paris Cleaners</p>		
<p>3516 Adeline Street Oakland, California</p>		
<p><b>Groundwater Analytical Summary</b></p>		
2011-0107	December 2014	Figure 4

## TABLES

**TABLE 1**  
**WELL CONSTRUCTION SUMMARY**  
 City of Paris Cleaners  
 3516 Adeline Street, Oakland, California 94608

Well ID	Date Installed	Depth (feet)	Top Of Casing		Diameter (inches)	Casing/Screen Type
			Elevation (feet amsl)	Screen from		
MW-1	10/30/1992	30	17.44	10	30	2 PVC
MW-2	10/30/1992	30	17.31	10	30	2 PVC
MW-3	10/30/1992	30	17.44	10	30	2 PVC
W-IND*	unknown	72	32.48	Not observed	Not observed	8 Steel

**Explanation:**

amsl = above mean sea level

\*The top of casing is estimated based on survey; video logging of well casing/screen did not observe screen, however well appeared to have been plugged with concrete at 72 feet below ground surface.

**TABLE 2**  
**SEPTEMBER 2014 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	Ethyl benzene	Xylenes (total)	MTBE (ug/l)	Naphthalene	1,3,5-Trimethyl benzene	Isopropyl benzene	n-Propyl benzene	tert-Butyl benzene	
MW-1 <sup>a</sup>	09/24/14	31.30	13.23	18.07	<b>2,600</b>	<b>3,700</b>	<10	<10	<b>5.2</b>	<b>2.6</b>	<5.0	<b>5.7</b>	<b>2.0</b>	<b>90</b>	<b>80</b>	<b>3.2</b>	
MW-2	09/24/14	31.03	12.40	18.63	<b>8,000</b>	<b>340</b>	<1.0	<1.0	<1.0	<1.0	<b>1.1</b>	<2.0	<1.0	<1.0	<1.0	<b>1.2</b>	
MW-3 <sup>b</sup>	09/24/14	31.13	12.30	18.83	<b>2,100</b>	<b>700</b>	<1.0	<b>3.4</b>	<b>6.6</b>	<b>20</b>	<b>3.0</b>	<b>10</b>	<1.0	<b>80</b>	<b>50</b>	<b>3.4</b>	
W-IND	09/24/14	32.48	13.34	19.14	<b>3,600</b>	<50	<1.0	<1.0	<1.0	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<1.0	

**Explanation:**

TPH-G = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8015B.  
 TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed using EPA method 8015B.  
 Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.  
 MTBE = Methyl tertiary-butyl ether, analyzed using EPA Method 8260B.  
 Napthalene, 1,3,5-Trimethylbenzene, Isopropylbenzene, n-Propylbenzene, tert-butylbenzene analyzed by EPA Method using EPA Method 8260B.  
 See laboratory report for additional 8260B analyses. All further constituent concentrations were below the laboratory reporting limit.

amsl = Above mean sea level.  
 BTOC = Below top of casing.  
 ug/l = Micrograms per liter.  
 <n = 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.

<sup>a</sup>The analytical laboratory reported two water sample analyses for xylenes: m,p-Xylene was reported as 1.4 ug/l and o-Xylene was reported as <1.0 ug/l; and total Xylenes were reported as 2.6 ug/l.  
<sup>b</sup>The analytical laboratory reported two water sample analyses for toluene and xylenes, 3.4 and 3.1 ug/l toluene; m,p-Xylene was reported as 10 ug/l and o-Xylene was reported as 3.9 ug/l; and total Xylenes were reported as 20.0 ug/l.  
 The narrative report lists the second set of analysis for toluene and total xylenes.

**TABLE 3  
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 (BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB (ug/l)	1,1-DCA	2-Methyl-Naphthalene	Naphthalene	1,3,5-Trimethyl benzene	Isopropyl benzene	n-Propyl benzene	tert-Butyl benzene	
<b>Groundwater Sample Locations</b>																				
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	--	--	--	--	--	--	--	--	--
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-1 <sup>a</sup>	08/25/11	31.30	11.35	19.95	2100	7200	<1	<1	<1	<1	2.1	--	--	--	--	--	--	--	--	--
MW-1	02/22/12	31.30	11.35	19.95	5000	4200	<100	<100	<100	<100	<50	--	--	--	--	--	--	--	--	--
MW-1	08/22/12	31.30	12.73	18.57	5000	4500	<10	<10	<10	<10	5.7	--	--	--	--	--	--	--	--	--
MW-1	01/30/13	31.30	10.93	20.37	2000	4400	<100	<100	<100	14	<5.0	--	--	--	--	--	--	--	--	--
MW-1	05/13/13	31.30	11.08	20.22	18200	7900	<10	<10	<10	<10	<5.0	--	--	--	<20	--	--	--	--	--
MW-1	09/24/14	31.30	13.23	18.07	2600	3700	<10	<10	5.2	2.6	<5.0	--	--	--	5.7	2.0	90	80	3.2	



**TABLE 3  
GROUNDWATER ELEVATION AND ANALYTICAL RESULTS  
SUMMARY**

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

Well ID	Date	Elevation Summary			Analytical Summary														
		Top of Casing Elevation (feet amsl)	Depth to Water (BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB (ug/l)	1,1-DCA	2-Methyl-Naphthalene	Naphthalene	1,3,5-Trimethyl benzene	Isopropyl benzene	n-Propyl benzene	tert-Butyl benzene
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-2	08/25/11	31.03	11.06	19.97	<50	<50	<1.0	<1.0	<1.0	<1.0	1.5	--	--	--	--	--	--	--	--
MW-2	02/22/12	31.03	10.61	20.42	400	250	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--	--	--	--	--
MW-2	08/22/12	31.03	12.02	19.01	<50	290	<1.0	<1.0	<1.0	<1.0	1.2	--	--	--	--	--	--	--	--
MW-2	01/30/13	31.03	9.95	21.08	<50	270	<1.0	<1.0	<1.0	<1.0	1.1	--	--	--	--	--	--	--	--
MW-2	05/13/13	31.03	10.77	20.26	<50	260	<1.0	<1.0	<1.0	<1.0	1.2	--	--	--	<2.0	--	--	--	--
MW-2	09/24/14	31.03	12.40	18.63	8000	340	<1.0	<1.0	<1.0	<1.0	1.1	--	--	--	<2.0	<1.0	<1.0	<1.0	1.2

**TABLE 3  
GROUNDWATER ELEVATION AND ANALYTICAL RESULTS  
SUMMARY**

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

Well ID	Date	Elevation Summary			Analytical Summary														
		Top of Casing Elevation (feet amsl)	Depth to Water (BTOC)	Groundwater Elevation (feet amsl)	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	1,2-DCB (ug/l)	1,1-DCA	2-Methyl-Naphthalene	Naphthalene	1,3,5-Trimethyl benzene	Isopropyl benzene	n-Propyl benzene	tert-Butyl benzene
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	--	--	--	--	--	--	--	--
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 <sup>a</sup>	03/23/11	31.13	3.58	27.55	500	<50	<1.0	<1.0	<1.0	<1.0	<0.50	--	--	--	--	--	--	--	--
MW-3	08/25/11	31.13	11.85	19.28	<50	2300	<1.0	<1.0	<1.0	<1.0	4.5	--	--	--	--	--	--	--	--
MW-3	02/22/12	31.13	10.84	20.29	2000	1900	<10	<10	<10	<10	<5.0	--	--	--	--	--	--	--	--
MW-3	08/22/12	31.13	12.11	19.02	2000	1400	<10	<10	<10	30	20	--	--	--	--	--	--	--	--
MW-3	01/30/13	31.13	10.32	20.81	1800	1900	<10	<10	<10	2.1	3	--	--	--	--	--	--	--	--
MW-3	05/13/13	31.13	12.75	18.38	800	3200	<1.0	<1.0	<1.0	<1.0	2.4	--	--	--	<2.0	--	--	--	--
MW-3	09/24/14	31.13	12.3	18.83	2100	700	<1.0	3.1	6.6	20	3	--	--	--	10	<1.0	80	50	3.4

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

Well ID	Date	Elevation Summary			Analytical Summary														
		Top of Casing Elevation (feet amsl)	Depth to Water (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	1,3,5-Trimethyl benzene	Isopropyl benzene	n-Propyl benzene	tert-Butyl benzene
W-IND	03/22/02	NA	--	--	<50	<b>190</b>	<0.5	<0.5	<0.5	<b>0.8</b>	<5.0	--	--	--	--	--	--	--	--
W-IND	04/15/03	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-IND	03/26/04	NA	--	--	<b>500</b>	<b>200</b>	<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	<b>500</b>	<1	<b>1</b>	<1	<b>2.2</b>	<.50	--	--	--	--	--	--	--	--
W-IND	05/23/08	NA	12.72	--	<b>300</b>	<b>250</b>	<1	<b>3.7</b>	<1	<b>2.4</b>	<.50	--	--	--	--	--	--	--	--
W-IND	08/12/08	NA	13.42	--	<50	<50.0	<1	<1	<1	<1	<.50	--	--	--	--	--	--	--	--
W-IND	12/18/08	NA	12.65	--	<50	<50	<1	<1	<1	<1	<b>0.7</b>	--	--	--	--	--	--	--	--
W-IND	02/19/09	NA	9.74	--	<50	<50	<1	<1	<1	<1	<.50	--	--	--	--	--	--	--	--
W-IND	08/11/09	NA	14.13	--	<50	<50	<1	<1	<1	<1	<.50	--	--	--	--	--	--	--	--
W-IND	03/17/10	NA	9.78	--	<50	<50	<1	<1	<1	<1	<.50	--	--	--	--	--	--	--	--
W-IND	08/18/10	NA	12.84	--	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	03/23/11	32.48	8.32	24.16	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	08/25/11	32.48	12.34	20.14	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	02/22/12	32.48	11.84	20.64	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	08/22/12	32.48	12.93	19.55	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	01/30/13	32.48	11.13	21.35	<50	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	--	--	--	--	--
W-IND	05/13/13	32.48	12.14	20.34	100	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	<2.0	--	--	--	--
W-IND	09/24/14	32.48	13.34	19.14	<b>3600</b>	<50	<1.0	<1.0	<1.0	<1.0	<.50	--	--	--	<2.0	<1.0	<1.0	<1.0	<1.0

**Explanation:**

TPH-SS = Total petroleum hydrocarbons as stoddard solvent, analyzed using EPA method 8015B.  
 TPH-G = Total petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015B.  
 Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B.  
 MTBE = Methyl tertiary-butyl ether, analyzed using EPA Method 8260B.  
 DCB = Dichlorobenzene, analyzed by EPA Method using EPA Method 8260B.  
 DCA = Dichloroethane, analyzed by EPA Method using EPA Method 8260B.  
 Naphthalene, 1,3,5-Trimethylbenzene, Isopropylbenzene, n-Propylbenzene, tert-butylbenzene analyzed by EPA Method using EPA Method 8260B.  
 See laboratory report for additional 8260B analyses. All further constituent concentrations were below the laboratory reporting limit.

amsl = Above mean sea level.  
 BTOC = Below top of casing.  
 ug/l - Micrograms per liter.  
 <n = Not detected at or above indicated laboratory reporting limit.  
 NA = Data not available  
 NP = HydraSleeve® no purge protocol  
 -- = not analyzed

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<sup>a</sup> During the 3/23/11 monitoring event, Taber Consultants replaced a damaged well cap. See First Semiannual Monitoring Report 2011 for discussion.  
 •• Components found in the gasoline range; however, they are not characteristic of gasoline components.

**TABLE 4**  
**GROUNDWATER FIELD READINGS - NATURAL ATTENUATION PARAMETERS**  
**MONITORING SUMMARY, AND 2011/2013 SITE INVESTIGATIONS**

Former City of Paris Cleaners  
3516 Adeline St, Oakland, CA 94608

Sample Location	Sample Identification	Sample Date	Dissolved Oxygen (DO) (%)	Dissolved Oxygen (DO) (mg/l)	Oxygen Reduction Potential (ORP) (mV)	pH	Electrical Conductivity (EC) (uS/cm)	Temperature (°C)
<b>Upper (Shallow) Groundwater Zone</b>								
GP-3	GP-3-15	5/6/2011	99.7	8.7	27.9	6.65	1195	21.06
GP-4	GP-4-15	5/6/2011	73.9	6.59	-124.6	7.08	1017	20.34
GP-8	GP-8-15	5/12/2011	3.4	0.33	-176.5	7.84	1380	21.40
GP-9	GP-9-15	5/12/2011	2.2	0.24	-144.2	7.44	1299	23.20
GP-11	GP-11-15	5/13/2011	27.5	3.18	-91.4	7.93	960	22.30
MW-1	MW-1	5/12/2011	11.4	1.36	-202.6	7.21	1831	15.40
MW-1	MW-1	1/30/2013	16.8	1.58	-110.4	6.65	1398	17.90
MW-1	MW-1	5/13/2013	15.2	1.43	-148.8	6.89	1335	17.59
MW-1	MW-1	9/24/2014	9.5	0.88	-96.0	6.5	1428	19.30
MW-2	MW-2	5/12/2011	23.4	2.83	-116.7	5.54	1857	15.90
MW-2	MW-2	1/30/2013	13.6	1.28	-99.2	6.91	1421	17.44
MW-2	MW-2	5/13/2013	10.4	0.98	-148.3	7.13	1409	17.14
MW-2	MW-2	9/24/2014	49.7	1.82	-117.6	6.87	1585	19.10
MW-3	MW-3	5/12/2011	12.7	1.56	-202.7	7.27	667	15.70
MW-3	MW-3	1/30/2013	13	1.25	-123.0	6.78	1352	17.45
MW-3	MW-3	5/13/2013	8.2	0.77	-133.9	6.98	1342	17.14
MW-3	MW-3	9/24/2014	10.3	0.95	-129.6	6.78	1633	18.60
<b>Lower (Deeper) Groundwater Zone</b>								
GP-1	GP-1	5/2/011	60.2	6.29	75.1	6.14	1069	21.00
GP-2	GP-2	5/2/011	35.4	3.29	-165.7	6.98	774	22.07
GP-3	GP-3-35	5/6/2011	39.6	3.6	-57.0	6.19	814	20.23
GP-4	GP-4-35	5/6/2011	42.7	3.86	38.0	7.21	699	18.94
GP-5	GP-5	5/5/2011	28.3	2.38	-281.5	8.20	956	23.70
GP-8	GP-8-35	5/12/2011	8.5	0.99	-108.3	6.91	1068	20.90
GP-9	GP-9-35	5/12/2011	20.6	1.43	-91.4	6.38	938	20.90
GP-11	GP-11-35	5/13/2011	19.9	2.21	-107.1	7.56	924	23.90
W-IND	W-IND	5/12/2011	50.6	6.45	18.1	7.04	1077	15.80
W-IND	W-IND	1/30/2013	18.0	1.75	162.2	7.20	841	16.82
W-IND	W-IND	5/13/2013	7.9	0.77	41.2	7.36	838	16.75
W-IND	W-IND	9/24/2014	24.3	2.24	-174.0	7.16	993	18.90

**Explanation:**

% = percent

mg/l = milligrams per liter.

mV = millivolts.

uS/cm = microSiemens per centimeter.

Siemens (S) is a unit of the electrical conductivity. The conductivity of water is measured within a certain distance thus the input is in S/cm or uS/cm.

(°C) = Celcius

**APPENDIX A.**

**ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY AUGUST 29, 2014 LETTER**



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

August 29, 2014

Ms. Paulette Satterly  
14601 Guadalupe Dr.  
Rancho Murieta, CA 95683  
(Sent via E-mail to: [lvsnooky@calweb.com](mailto:lvsnooky@calweb.com))

Ms. Paula Champion-Braig  
280 Mountain Blvd.  
Piedmont, CA 94611  
(Sent via E-mail to: [uschampion@aol.com](mailto:uschampion@aol.com))

Ms. Debbie Runyon  
PO Box 8722  
Emeryville, CA 94662

Subject: Request for Groundwater Chlorinated Solvent Evaluation and Landowner Identification for Case Closure Consideration; Fuel Leak Case No. RO0000133 and GeoTracker Global ID T0600100379, City of Paris Cleaners, 3516 Adeline Street, Oakland, CA 94608

Dear Mss. Satterly, Champion-Braig, and Runyon:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Updated Site Conceptual Model, Site Investigation Report, and No Further Action Request*, dated June 26, 2014 that was submitted on your behalf by Taber Consultants, Inc. Thank you for submitting the report.

As you are aware a site investigation and groundwater monitoring for underground storage tank leaks has been performed at the subject property to which you are named as the primary or active responsible parties.

ACEH's review of the referenced report and site data indicates that grab groundwater concentrations in soil bores GP-20 and GP-28, and groundwater samples from well MW-1, apparently installed through tank backfill, document concentrations up to 19,000 micrograms per liter ( $\mu\text{g/l}$ ) Total Petroleum Hydrocarbons as stoddard solvent (TPHss) and 4,500  $\mu\text{g/l}$  TPH as gasoline (TPHg); 49,000  $\mu\text{g/l}$  TPHss and 3,300  $\mu\text{g/l}$  TPHg; and 18,200  $\mu\text{g/l}$  TPHss and 7,900  $\mu\text{g/l}$  TPHg; respectively. These concentrations are substantially higher than the *Technical Justification for Vapor Intrusion Media-Specific Criteria* for the Low-Threat Closure Policy (LTCP) indicates is indirect evidence for Light Non-Aqueous Phased Liquids (LNAPL). The technical justification indicates that for diesel-range organics, concentrations greater than 5,000  $\mu\text{g/l}$  indicate indirect evidence of LNAPL. ACEH notes that grab groundwater benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations are very limited; up to a maximum of 8  $\mu\text{g/l}$  benzene, 2.2  $\mu\text{g/l}$  toluene, and <1.0  $\mu\text{g/l}$  ethylbenzene and total xylenes. Concentrations in site wells appear to be lower.

ACEH's review of site data also indicates that the downgradient direction remains undefined. Figure 6 of the referenced site report indicates that the predominant groundwater flow direction is to the west-southwest, while the majority of downgradient delineation work has been focused to the west-northwest. As such, the extent of groundwater contamination and potential mobile or migrating LNAPL (as defined by the *Technical Justification for Groundwater Media-Specific Criteria*) is undefined downgradient (west-southwest).

Depth to first water appears to range between 14 and 17 feet below surface grade (bgs), but rises in completed wells, while the deepest utility in the site vicinity is reported to be installed to a depth of 13 feet bgs. Thus it appears that utilities may not provide a substantial preferential pathway for potential mobile or migrating LNAPL, and that potential mobile or migrating LNAPL is separated by a minimum of approximately 14 feet of soil from the surface environment.

In order to determine the potential risk undefined groundwater and LNAPL contamination presents to the local vicinity, ACEH relied on Table 1 that is contained in the *Technical Justification for Groundwater Media-Specific Criteria*. This document indicates that the average, 90<sup>th</sup> percentile, and maximum plume lengths for TPHg (100 µg/l) are 248, 413, and 855 feet. Heavier hydrocarbon plumes, including potential LNAPL, are expected to be shorter in length. Review of the vicinity well survey contained in the referenced site report, indicates that there are no known water supply wells within 1,000 feet of the subject site. Thus it appears that there are no downgradient sensitive receptors for the undefined groundwater contamination and potential mobile or migrating LNAPL. This includes potential half basements in the residential housing stock downgradient of the site. The previously mentioned very low groundwater concentration of BTEX also indicates that there is not an apparent risk of vapor intrusion from groundwater contamination at the site or in the downgradient direction.

In general these factors appear to indicate that case closure for the subject case may be appropriate under the LTCP; however, ACEHs evaluation does not indicate that this former dry cleaner site has been evaluated for chlorinated solvents other than a verbal evaluation of analytical test by the analytical laboratory for soil results in 1993. Consequently, prior to proceeding to closure, ACEH requests one additional groundwater monitoring event to evaluate the potential for chlorinated solvents in groundwater beneath the subject site.

#### **TECHNICAL COMMENTS**

- 1. Chlorinated Solvent Evaluation of Groundwater** – As discussed above, ACEH requests one groundwater monitoring event of wells MW-1 to MW-3 in order to evaluate the potential for chlorinated solvents to have been used at this former dry cleaner site. A work plan is not necessary, provided standard groundwater sampling and monitoring protocols are utilized to collect the groundwater samples and the samples are submitted to an accredited analytical laboratory for a full scan EPA 8260 analysis. Please submit a report by the date identified below.
- 2. List of Landowners Form** - Pursuant to Section 25297.15 (a) of the California Health and Safety Code, Alameda County Environmental Health (ACEH), the local agency, shall not consider cleanup or site closure proposals from the primary or active responsible party, issue a closure letter, or make a determination that no further action is required with respect to a site upon which there was an unauthorized release of hazardous substances from an underground storage tank subject to this chapter unless all current record owners of fee title to the site of the proposed action have been notified of the proposed action by the primary or active responsible party. ACEH is required to notify the primary or active responsible party of their requirement to certify in writing to the local agency that the notification requirement in the above-mentioned regulation has been satisfied and to provide the local agency with a complete mailing list of all record fee title owners.

To satisfy this requirement, please complete the enclosed *List of Landowners Form*, and mail it back to ACEH by the date identified below.

#### **TECHNICAL REPORT REQUEST**

Please submit reports to ACEH (Attention: Mark Detterman), and upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule.

- **October 3, 2014** – Return of *List of Landowner Form*  
File to be named: RO133\_CORRES\_L\_yyyy-mm-dd
- **November 17, 2014** – Groundwater Monitoring Report  
File to be named: RO133\_GWM\_R\_yyyy-mm-dd

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible

Ms. Satterly, Champion-Braig, and Runyon  
RO0000133  
August 29, 2014, Page 3

party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Online case files are available for review at the following website: <http://www.acgov.org/aceh/index.htm>.

If your email address does not appear on the cover page of this notification ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org).

Sincerely,



Digitally signed by Mark E. Detterman  
DN: cn=Mark E. Detterman, o, ou,  
email, c=US  
Date: 2014.08.29 12:04:52 -07'00'

Mark E. Detterman, PG, CEG  
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements/Obligations and  
Electronic Report Upload (ftp) Instructions

Attachment 2 - *List of Landowners Form*

cc: Ellen Pyatt, Taber Consultants, 3911 W Capitol Avenue, West Sacramento, CA 95691 (Sent via  
E-mail to: [EPyatt@taberconsultants.com](mailto:EPyatt@taberconsultants.com))

Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA  
94612-2032 (Sent via E-mail to: [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com))

Dilan Roe, ACEH, (sent via e-mail to [dilan.roe@acgov.org](mailto:dilan.roe@acgov.org))

Mark Detterman, ACEH, (sent via electronic mail to [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org))

Geotracker, Electronic File



## Attachment 1

### Responsible Party(ies) Legal Requirements / Obligations

#### REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.waterboards.ca.gov/water\\_issues/programs/ust/electronic\\_submittal/](http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>REVISION DATE:</b> May 15, 2014
	<b>ISSUE DATE:</b> July 5, 2005
	<b>PREVIOUS REVISIONS:</b> October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

## REQUIREMENTS

- Please **do not** submit reports as attachments to electronic mail.
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

## Submission Instructions

- 1) Obtain User Name and Password
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org)
  - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
  - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [deh.loptoxic@acgov.org](mailto:deh.loptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

## LIST OF LANDOWNERS FORM

County of Alameda  
Environmental Health Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

### CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:

Site Name: City of Paris Cleaners  
Address: 3516 Adeline Street  
City, State, Zip: Oakland, CA 94608  
Record ID #: RO0000133

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, \_\_\_\_\_ (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, \_\_\_\_\_, certify that I am the sole landowner for the above site.

Sincerely,

Signature of Primary Responsible Party	Printed Name	Date	E-mail Address
--	--------------	------	----------------

**APPENDIX B.**  
**FIELD DATA SHEETS**



Client: Taber Consultants

Sampling Date: 9/24/14

Site: Former City of Paris Cleaners

Project No.: \_\_\_\_\_

3516 Adeline Street

Well Designation: MW-1

Oakland, CA

Is setup of traffic control devices required? NO YES

Is there standing water in the well box? NO YES

Is top of casing cut level? NO YES

Is well cap sealed and locked? NO YES

Height of well casing riser (in inches): 3

Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_

12" Christy \_\_\_\_\_ 8" M&D X 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_

12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_

General condition of wellhead assembly: Excellent \_\_\_\_\_ Good X Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump

\_\_\_\_\_ 2" PVC bailer NA \_\_\_\_\_ Dedicated bailer

\_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump

Sampled with: Disposable bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_

*Hydro x  
clear*

Well Diameter: 2" X 4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 8:30

Time: \_\_\_\_\_

Calculated purge: NA

Depth of well: 29.58

Depth to water: NA

Actual purge: NA

Depth to water: 13.23

Start purge: NA

Sampling time: 9:45

Time	Temperature	E.C.	pH	Turbidity	Volume
	<u>19.3</u>	<u>1428</u>	<u>6.50</u>	<u>—</u>	<u>NA</u>

Sample appearance: clean

Lock: none

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: \_\_\_\_\_

Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_

4" Locking Cap: \_\_\_\_\_

Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_

6" Locking Cap: \_\_\_\_\_

Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Signature: [Signature]

Client: Taber Consultants  
 Site: Former City of Paris Cleaners  
3516 Adeline Street  
Oakland, CA

Sampling Date: 9/24/14  
 Project No.: \_\_\_\_\_  
 Well Designation: MW-2

Is setup of traffic control devices required?  NO YES time: \_\_\_\_\_ hours  
 Is there standing water in the well box?  NO YES Above TOC \_\_\_\_\_ Below TOC  
 Is top of casing cut level?  NO YES If no, see remarks  
 Is well cap sealed and locked?  NO YES If no, see remarks  
 Height of well casing riser (in inches): 3  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D  12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump

Sampled with: Disposable bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_ *x hydro s/eve*

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Recharge Measurement  
 Time: 835 Time: \_\_\_\_\_ Calculated purge: NA  
 Depth of well: 29.22 Depth to water: NA Actual purge: NA  
 Depth to water: 12.40

Start purge: NA Sampling time: 955

Time	Temperature	E.C.	pH	Turbidity	Volume
	<u>19.1</u>	<u>1585</u>	<u>6.87</u>	<u>—</u>	<u>NA</u>

Sample appearance: clear Lock: NA

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Signature: [Signature]

Client: Taber Consultants

Sampling Date: 9/24/14

Site: Former City of Paris Cleaners

Project No.: \_\_\_\_\_

3516 Adeline Street

Well Designation: MW-3

Oakland, CA

Is setup of traffic control devices required?  NO  YES      time: \_\_\_\_\_ hours  
 Is there standing water in the well box?  NO  YES      Above TOC      Below TOC  
 Is top of casing cut level?  NO  YES      If no, see remarks  
 Is well cap sealed and locked?  NO  YES      If no, see remarks  
 Height of well casing riser (in inches): 3  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D  \_\_\_\_\_ 12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  \_\_\_\_\_ Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump

Sampled with: Disposable bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_ *+ Hydro sleeve*

Well Diameter: 2"  \_\_\_\_\_ 4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 \_\_\_\_\_ 0.65 \_\_\_\_\_ 1.47 \_\_\_\_\_ 2.61 gal/ft.

Initial Measurement      Recharge Measurement  
 Time: 8:40      Time: NA      Calculated purge: NA  
 Depth of well: \_\_\_\_\_      Depth to water: NA      Actual purge: NA  
 Depth to water: \_\_\_\_\_

Start purge: NA      Sampling time: 10:12

Time	Temperature	E.C.	pH	Turbidity	Volume
	<u>16.6</u>	<u>1633</u>	<u>6.78</u>	<u>—</u>	<u>NA</u>

Sample appearance: clean      Lock: none

Equipment replaced: (check all that apply)      Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Signature: [Signature]



Client: Taber Consultants

Sampling Date: 9/24/14

Site: Former City of Paris Cleaners

Project No.: \_\_\_\_\_

3516 Adeline Street

Well Designation: W-1ND

Oakland, CA

Is setup of traffic control devices required?  NO YES  
 Is there standing water in the well box?  NO YES  
 Is top of casing cut level?  NO YES  
 Is well cap sealed and locked?  NO YES  
 Height of well casing riser (in inches): 4  
 Well cover type: 8" or 12" UV \_\_\_\_\_ 12" EMCO \_\_\_\_\_ 8" or 12" BK \_\_\_\_\_ 8" Christy \_\_\_\_\_  
 12" Christy \_\_\_\_\_ 8" M&D  12" M&D \_\_\_\_\_ 12" DWP \_\_\_\_\_  
 12" CNI \_\_\_\_\_ 36" CNI \_\_\_\_\_ 12" Pomeco \_\_\_\_\_ Other: \_\_\_\_\_  
 General condition of wellhead assembly: Excellent \_\_\_\_\_ Good  Fair \_\_\_\_\_ Poor \_\_\_\_\_

Purging Equipment: \_\_\_\_\_ 2" disposable bailer \_\_\_\_\_ Submersible pump  
 \_\_\_\_\_ 2" PVC bailer \_\_\_\_\_ Dedicated bailer  
 \_\_\_\_\_ 4" PVC bailer \_\_\_\_\_ Centrifugal pump  
 Sampled with: Disposable bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Disposable Tubing \_\_\_\_\_ *x Hydr & sleeve*

Well Diameter: 2"  4" \_\_\_\_\_ 6" \_\_\_\_\_ 8" \_\_\_\_\_  
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.  
Initial Measurement Recharge Measurement  
 Time: 8:44 Time: \_\_\_\_\_ Calculated purge: NA  
 Depth of well: 72.65 Depth to water: NA Actual purge: NA  
 Depth to water: 13.34

Start purge: NA Sampling time: 10:30

Time	Temperature	E.C.	pH	Turbidity	Volume
	<u>18.9</u>	<u>993</u>	<u>7.16</u>		<u>NA</u>

Sample appearance: clear Lock: none

Equipment replaced: (check all that apply) Note condition of replaced item(s)  
 2" Locking Cap: \_\_\_\_\_ Lock: \_\_\_\_\_ 7/32 Allenhead: \_\_\_\_\_  
 4" Locking Cap: \_\_\_\_\_ Lock-Dolphin: \_\_\_\_\_ 9/16 Bolt: \_\_\_\_\_  
 6" Locking Cap: \_\_\_\_\_ Pinned Allenhead (DWP): \_\_\_\_\_

Remarks: \_\_\_\_\_

Signature: [Signature]



Project Contact ( PDF To): <b>Tom Ballard (to email address's)</b>		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Chain-of-Custody Record and Analysis Request</b>																							
Company / Address: <b>Taber Consultants: 3911 West Capitol Ave. West Sacramento, CA 95691</b>		Sampling Company Log Code: <b>WRMC</b>		<b>Analysis Request</b>										<b>TAT</b>													
Phone #: <b>916-371-1690</b>	Fax #: <b>916-371-7265</b>	Global ID: <b>T0600100379</b>		Naphthalene (EPA 8260B) 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-SS Stoddard Solvent (EPA 8015)	Chromatograms											<input type="checkbox"/> 12 hr										
Project #: <b>2011-0107</b>	P.O. #: <b>3C</b>	Deliver all files to: <b>SNess@TaberConsultants.com</b>															<input type="checkbox"/> 24 hr										
Project Name: <b>NoPurge CityOfP</b>		please email a copy to: <b>EPyatt@TaberConsultants.com</b>															<input type="checkbox"/> 48 hr										
Project Address: <b>3514 Adeline St. Oakland, CA</b>		Sampler Signature: <i>Hal Hansen</i>															<input type="checkbox"/> 72 hr										
<b>Sampling</b>	<b>Container</b>	<b>Preservative</b>	<b>Matrix</b>											<input checked="" type="checkbox"/> 1 wk													
Date	Time	40 ml VOA	Sleeve	Poly	Glass (1 L Amber)	Tedlar	HCl	HNO <sub>3</sub>	None	Water	Soil	Air															
MW-1	MW-1	9/24/14	945	4				x					X	X	X										X	X	x
MW-2	MW-2		955	4				x					X	X	X										X	X	x
MW-3	MW-3		1012	4				x					X	X	X										X	X	x
W-IND	W-IND		1030	4				x					X	X	X										X	X	x
MW-1	MW-1		945						x																X	X	x
MW-2	MW-2		955						x																X	X	x
MW-3	MW-3		1012						x																X	X	x
W-IND	W-IND		1030						x																X	X	x
Relinquished by: <i>Hal Hansen</i>		Date: 9/24/14	Time: 13:00	Received by: <i>CA JAMES</i>		Remarks: 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: 2012_08_22_NoPurge_CityOfP_12345 Bill to: <a href="mailto:Invoice@TaberConsultants.com">Invoice@TaberConsultants.com</a>																					
Relinquished by:		Date:	Time:	Received by Laboratory:		<b>For Lab Use Only: Sample Receipt</b>																					
		Temp °C	Initials	Date	Time																						

**APPENDIX C.**

**LABORATORY ANALYTICAL REPORTS**

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

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Client	Taber Consultants
Workorder	21062 NoPurge_CityOfParis
Received	09/24/14

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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.



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Ray James  
Laboratory Director

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

**Workorder** 21062

Enclosed are the results from samples received on September 24, 2014.

The requested analyses are listed below.

<b>SAMPLE</b>	<b>SAMPLE DESCRIPTION</b>	<b>DATE COLLECTED</b>	<b>TEST METHOD</b>
21062001	MW-1, Water	09/24/14	8015B TPHgas 8015B TPHss 8260B 8260B BTEX/FOC W
21062002	MW-2, Water	09/24/14	8015B TPHgas 8015B TPHss 8260B 8260B BTEX/FOC W
21062003	MW-3, Water	09/24/14	8015B TPHgas 8015B TPHss 8260B 8260B BTEX/FOC W
21062004	W-IND, Water	09/24/14	8015B TPHgas 8015B TPHss 8260B 8260B BTEX/FOC W

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062001  
Sample ID MW-1  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	09/25/14	09/25/14	3700	500 ug/L	1:10

**Surrogates**

Result	Recovery	Limits
Trifluorotoluene 18.3 ug/L	92 %	(65 - 135)

1 - Non-typical TPH pattern present in gas range.

Laboratory ID 21062001  
Sample ID MW-1  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015M SS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent 8015B TPHss	09/25/14	10/01/14	2600	50 ug/L	1:1

Laboratory ID 21062001  
Sample ID MW-1  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1,1-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1,2,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1,2-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,1-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2,3-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2,3-Trichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2,4-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2,4-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2-Dibromo-3-chloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2-Dibromoethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,2-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L 1:1
1,3,5-Trimethylbenzene	8260B	09/25/14	09/25/14	2.0	1.0 ug/L 1:1

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062001  
Sample ID MW-1  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Butanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Hexanone	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Acetone	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Acrolein	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Acrylonitrile	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Benzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromoform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Ethylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>5.2</b>	<b>1.0 ug/L</b>	<b>1:1</b>
Hexachlorobutadiene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Iodomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Isopropylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>90</b>	<b>1.0 ug/L</b>	<b>1:1</b>
Naphthalene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Styrene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Taber Consultants  
 Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062001  
 Sample ID MW-1  
 Matrix Water

Sampled 09/24/14  
 Received 09/24/14  
 Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tetrachloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>m,p-Xylene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>1.4</b>	<b>1.0 ug/L</b>	<b>1:1</b>
n-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>n-Propylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>80</b>	<b>1.0 ug/L</b>	<b>1:1</b>
o-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>tert-Butylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.2</b>	<b>1.0 ug/L</b>	<b>1:1</b>
trans-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	52 ug/L	104 %	(70 - 135)
Toluene d8	48 ug/L	96 %	(70 - 135)
4-Bromofluorobenzene	38 ug/L	76 %	(70 - 135)

Laboratory ID 21062001  
 Sample ID MW-1  
 Matrix Water

Sampled 09/24/14  
 Received 09/24/14  
 Reported 10/01/14

**8260B BTEX/Oxygenates**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	09/25/14	09/25/14	ND	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Ethylbenzene</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>5.2</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>Xylene, Total</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>2.6</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>Naphthalene</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>5.7</b>	<b>2.0 ug/L</b>	<b>1:1</b>

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



Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	09/25/14	09/25/14	340	50 ug/L	1:1

**Surrogates**

Result	Recovery	Limits
Trifluorotoluene 17.8 ug/L	89 %	(65 - 135)

1 - Non-typical TPH pattern present in gas range.

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015M SS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent 8015B TPHss	09/25/14	10/01/14	8000	50 ug/L	1:1

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution	
1,1,1,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Butanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Hexanone	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Acetone	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Acrolein	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Acrylonitrile	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Benzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromoform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Iodomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Styrene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tetrachloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
o-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>tert-Butylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>1.2</b>	<b>1.0 ug/L</b>	<b>1:1</b>
trans-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/L	96 %	(70 - 135)
Toluene d8	45 ug/L	90 %	(70 - 135)
4-Bromofluorobenzene	35 ug/L	70 %	(70 - 135)

Laboratory ID 21062002  
Sample ID MW-2  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B BTEX/Oxygenates**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>Methyl-tert-butyl-ether</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>1.1</b>	<b>0.50 ug/L</b>	<b>1:1</b>
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B BTEX/FOC	09/25/14	09/25/14	ND	2.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/L	96 %	(65 - 135)



Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062003  
Sample ID MW-3  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,3-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Butanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Hexanone	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Acetone	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Acrolein	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Acrylonitrile	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Benzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromoform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Ethylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>6.6</b>	<b>1.0 ug/L</b>	<b>1:1</b>
Hexachlorobutadiene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Iodomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Isopropylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>80</b>	<b>1.0 ug/L</b>	<b>1:1</b>
Naphthalene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Styrene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Taber Consultants  
Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062003  
Sample ID MW-3  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Tetrachloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Toluene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.4</b>	<b>1.0 ug/L</b>	<b>1:1</b>
Trichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>m,p-Xylene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>10</b>	<b>1.0 ug/L</b>	<b>1:1</b>
n-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>n-Propylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>50</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>o-Xylene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.9</b>	<b>1.0 ug/L</b>	<b>1:1</b>
sec-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>tert-Butylbenzene</b>	<b>8260B</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.4</b>	<b>1.0 ug/L</b>	<b>1:1</b>
trans-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	52 ug/L	104 %	(70 - 135)
Toluene d8	47 ug/L	94 %	(70 - 135)
4-Bromofluorobenzene	38 ug/L	76 %	(70 - 135)

Laboratory ID 21062003  
Sample ID MW-3  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B BTEX/Oxygenates**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>Methyl-tert-butyl-ether</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.0</b>	<b>0.50 ug/L</b>	<b>1:1</b>
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
<b>Toluene</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>3.1</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>Ethylbenzene</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>6.6</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>Xylene, Total</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>20</b>	<b>1.0 ug/L</b>	<b>1:1</b>
<b>Naphthalene</b>	<b>8260B BTEX/FOC</b>	<b>09/25/14</b>	<b>09/25/14</b>	<b>10</b>	<b>2.0 ug/L</b>	<b>1:1</b>

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

Test Certificate of Analysis

Client ID Taber Consultants  
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Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062004  
Sample ID W-IND  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015B TPH Gas**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHgas	09/25/14	09/25/14	ND	50 ug/L	1:1

**Surrogates**

Trifluorotoluene Result 16.6 ug/L Recovery 83 % Limits (65 - 135)

Laboratory ID 21062004  
Sample ID W-IND  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8015M SS**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution
8015B TPHss	09/25/14	10/01/14	3600	50 ug/L	1:1

Laboratory ID 21062004  
Sample ID W-IND  
Matrix Water

Sampled 09/24/14  
Received 09/24/14  
Reported 10/01/14

**8260B GC/MS Volatiles**  
Parameter

Method	Prep Date	Analyzed	Result	RL Units	Dilution	
1,1,1,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Test Certificate of Analysis

Client ID Taber Consultants  
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Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062004  
 Sample ID W-IND  
 Matrix Water

Sampled 09/24/14  
 Received 09/24/14  
 Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
2,2-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Butanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Hexanone	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Acetone	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Acrolein	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Acrylonitrile	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Benzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromoform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Iodomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Styrene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1



Test Certificate of Analysis

Client ID Taber Consultants  
 Workorder # 21062

Workorder ID NoPurge\_CityOfParis

Laboratory ID 21062004  
 Sample ID W-IND  
 Matrix Water

Sampled 09/24/14  
 Received 09/24/14  
 Reported 10/01/14

**8260B GC/MS Volatiles (continued)**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Trichlorofluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
o-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/L	100 %	(70 - 135)
Toluene d8	47 ug/L	94 %	(70 - 135)
4-Bromofluorobenzene	36 ug/L	72 %	(70 - 135)

Laboratory ID 21062004  
 Sample ID W-IND  
 Matrix Water

Sampled 09/24/14  
 Received 09/24/14  
 Reported 10/01/14

**8260B BTEX/Oxygenates**

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	09/25/14	09/25/14	ND	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B BTEX/FOC	09/25/14	09/25/14	ND	2.0 ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/L	100 %	(65 - 135)

**Method Blank Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MB for HBN 480976 [VGXV/3293]				
<b>Laboratory ID</b>	112720	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	09/25/14	09/25/14	ND	50 ug/L	1:1	
<b>Surrogates</b>	<b>Result</b>	<b>Recovery</b>	<b>Limits</b>				
Trifluorotoluene	20.3 ug/L	102 %	(65 - 135)				

**Lab Control Sample Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCS for HBN 480976 [VGXV/3293]				
<b>Laboratory ID</b>	112721	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	09/25/14	09/25/14	788	50 ug/L	1:1	

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCSD for HBN 480976 [VGXV/3293]				
<b>Laboratory ID</b>	112722	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	09/25/14	09/25/14	858	50 ug/L	1:1	

**Matrix Spike Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MS for HBN 480976 [VGXV/3293]				
<b>Laboratory ID</b>	112723	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	09/25/14	09/25/14	778	50 ug/L	1:1	

**Matrix Spike Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MSD for HBN 480976 [VGXV/3293]				
<b>Laboratory ID</b>	112724	<b>Matrix</b>	Water				
<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>	
TPHgas	8015B TPHgas	09/25/14	09/25/14	751	50 ug/L	1:1	

**Method Blank Report**

**Client ID** Taber Consultants **Sample ID** MB for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112725 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	ND	2.0 ug/L	1:1

**Surrogates** **Result** **Recovery** **Limits**  
 1,2-Dichloroethane-d4 53 ug/L 106 % (65 - 135)

**Lab Control Sample Report**

**Client ID** Taber Consultants **Sample ID** LCS for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112726 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	52	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	46	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	50	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	59	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	178	1.0 ug/L	1:1

**Lab Control Sample Duplicate Report**

**Client ID** Taber Consultants **Sample ID** LCSD for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112727 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	50	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	46	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	49	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	60	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC09/25/14	09/25/14	09/25/14	177	1.0 ug/L	1:1

**Matrix Spike Report**

**Client ID** Taber Consultants **Sample ID** MS for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112728 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
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**Matrix Spike Report**

**Client ID** Taber Consultants **Sample ID** MS for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112728 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>(continued)</b>						
Methyl-tert-butyl-ether	8260B BTEX/FOC	09/25/14	09/25/14	52	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	43	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	09/25/14	09/25/14	45	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	09/25/14	09/25/14	55	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC	09/25/14	09/25/14	163	1.0 ug/L	1:1

**Matrix Spike Duplicate Report**

**Client ID** Taber Consultants **Sample ID** MSD for HBN 480979 [VMXV/3640]  
**Laboratory ID** 112729 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	09/25/14	09/25/14	57	0.50 ug/L	1:1
Benzene	8260B BTEX/FOC	09/25/14	09/25/14	49	1.0 ug/L	1:1
Toluene	8260B BTEX/FOC	09/25/14	09/25/14	51	1.0 ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	09/25/14	09/25/14	60	1.0 ug/L	1:1
Xylene, Total	8260B BTEX/FOC	09/25/14	09/25/14	179	1.0 ug/L	1:1

**Method Blank Report**

**Client ID** Taber Consultants **Sample ID** MB for HBN 481370 [SGXV/2979]  
**Laboratory ID** 112767 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	8015B TPHss	09/25/14	10/01/14	ND	50 ug/L	1:1

**Lab Control Sample Report**

**Client ID** Taber Consultants **Sample ID** LCS for HBN 481370 [SGXV/2979]  
**Laboratory ID** 112768 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	8015B TPHss	09/25/14	10/01/14	1060	50 ug/L	1:1

**Lab Control Sample Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	LCSD for HBN 481370 [SGXV/2979
<b>Laboratory ID</b>	112769	<b>Matrix</b>	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Stoddard Solvent	8015B TPHss	09/25/14	10/01/14	1060	50 ug/L	1:1

**Method Blank Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MB for HBN 481670 [VMXV/3641]
<b>Laboratory ID</b>	112792	<b>Matrix</b>	Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
1,1,1,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,1-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1,2-Trichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,1-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,3-Trichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2,4-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dibromoethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,2-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3,5-Trimethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,3-Dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
1,4-Dichlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2,2-dichloropropane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Butanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
2-Chloroethylvinyl ether	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
2-Hexanone	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
4-Chlorotoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Isopropyltoluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
4-Methyl-2-pentanone	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Acetone	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Acrolein	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1
Acrylonitrile	8260B	09/25/14	09/25/14	ND	10 ug/L	1:1

**Method Blank Report**

**Client ID** Taber Consultants **Sample ID** MB for HBN 481670 [VMXV/3641]  
**Laboratory ID** 112792 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
<b>(continued)</b>						
Benzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromodichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromoform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Bromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon disulfide	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Carbon tetrachloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chlorobenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloroform	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Chloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromochloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dibromomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichlorodifluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Dichloromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Ethylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Hexachlorobutadiene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Iodomethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Isopropylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Naphthalene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Styrene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Tetrachloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Trichlorofluoromethane	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
Vinyl acetate	8260B	09/25/14	09/25/14	ND	5.0 ug/L	1:1
Vinyl chloride	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
cis-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
m,p-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
n-Propylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
o-Xylene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
sec-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
tert-Butylbenzene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
trans-1,2-Dichloroethene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1

**Method Blank Report**

**Client ID** Taber Consultants **Sample ID** MB for HBN 481670 [VMXV/3641]  
**Laboratory ID** 112792 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
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(continued)

trans-1,3-Dichloropropene	8260B	09/25/14	09/25/14	ND	1.0 ug/L	1:1
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Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	53 ug/L	106 %	(70 - 135)
Toluene d8	48 ug/L	96 %	(70 - 135)
4-Bromofluorobenzene	38 ug/L	76 %	(70 - 135)

**Lab Control Sample Report**

**Client ID** Taber Consultants **Sample ID** LCS for HBN 481670 [VMXV/3641]  
**Laboratory ID** 112793 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Benzene	8260B	09/25/14	09/25/14	46	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	50	1.0 ug/L	1:1

**Lab Control Sample Duplicate Report**

**Client ID** Taber Consultants **Sample ID** LCSD for HBN 481670 [VMXV/3641]  
**Laboratory ID** 112794 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Benzene	8260B	09/25/14	09/25/14	46	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	49	1.0 ug/L	1:1

**Matrix Spike Report**

**Client ID** Taber Consultants **Sample ID** MS for HBN 481670 [VMXV/3641]  
**Laboratory ID** 112795 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL Units	Dilution
Benzene	8260B	09/25/14	09/25/14	43	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	45	1.0 ug/L	1:1

**Matrix Spike Duplicate Report**

<b>Client ID</b>	Taber Consultants	<b>Sample ID</b>	MSD for HBN 481670 [VMXV/3641]				
<b>Laboratory ID</b>	112796	<b>Matrix</b>	Water				

<b>Parameter</b>	<b>Method</b>	<b>Prep Date</b>	<b>Analyzed</b>	<b>Result</b>	<b>RL Units</b>	<b>Dilution</b>
Benzene	8260B	09/25/14	09/25/14	49	1.0 ug/L	1:1
Toluene	8260B	09/25/14	09/25/14	51	1.0 ug/L	1:1



QC SUMMARY

<b>Client ID</b>	Taber Consultants	<b>Original</b>	21062004
<b>QC Batch</b>	VGX 3413	<b>Samples</b>	Matrix Spike [112723]
<b>Matrix</b>	Water		Matrix Spike Duplicate [112724]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	78	75	(65-135)	3.9	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Original</b>	21062004
<b>QC Batch</b>	VMX 3677	<b>Samples</b>	Matrix Spike [112728]
<b>Matrix</b>	Water		Matrix Spike Duplicate [112729]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	104	114	(65-135)	9.2	(20 MAX)
Benzene	86	98	(65-135)	13	(20 MAX)
Toluene	90	102	(65-135)	13	(20 MAX)
Ethylbenzene	110	120	(65-135)	8.7	(20 MAX)
Xylene, Total	109	119	(65-135)	8.8	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Original</b>	21062004
<b>QC Batch</b>	VMX 3678	<b>Samples</b>	Matrix Spike [112795]
<b>Matrix</b>	Water		Matrix Spike Duplicate [112796]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Benzene	86	98	(70-135)	13	(20 MAX)
Toluene	90	102	(70-135)	13	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [112721]
<b>QC Batch</b>	VGX 3413		Lab Control Sample Duplicate [112722]
<b>Matrix</b>	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	79	86	(65-135)	8.5	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [112726]
<b>QC Batch</b>	VMX 3677		Lab Control Sample Duplicate [112727]
<b>Matrix</b>	Water		

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
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QC SUMMARY

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [112726]
<b>QC Batch</b>	VMX 3677		Lab Control Sample Duplicate [112727]
<b>Matrix</b>	Water		(continued)

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Methyl-tert-butyl-ether	104	100	(65-135)	3.9	(20 MAX)
Benzene	92	92	(65-135)	00	(20 MAX)
Toluene	100	98	(65-135)	2.0	(20 MAX)
Ethylbenzene	118	120	(65-135)	1.7	(20 MAX)
Xylene, Total	119	118	(65-135)	0.80	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [112768]
<b>QC Batch</b>	SGX 3003		Lab Control Sample Duplicate [112769]
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Stoddard Solvent	106	106	(65-135)	00	(20 MAX)

<b>Client ID</b>	Taber Consultants	<b>Samples</b>	Lab Control Sample [112793]
<b>QC Batch</b>	VMX 3678		Lab Control Sample Duplicate [112794]
<b>Matrix</b>	Water		

<b>Parameter</b>	<b>Check %Recovery</b>	<b>Check Dup %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Benzene	92	92	(70-135)	00	(20 MAX)
Toluene	100	98	(70-135)	2.0	(20 MAX)



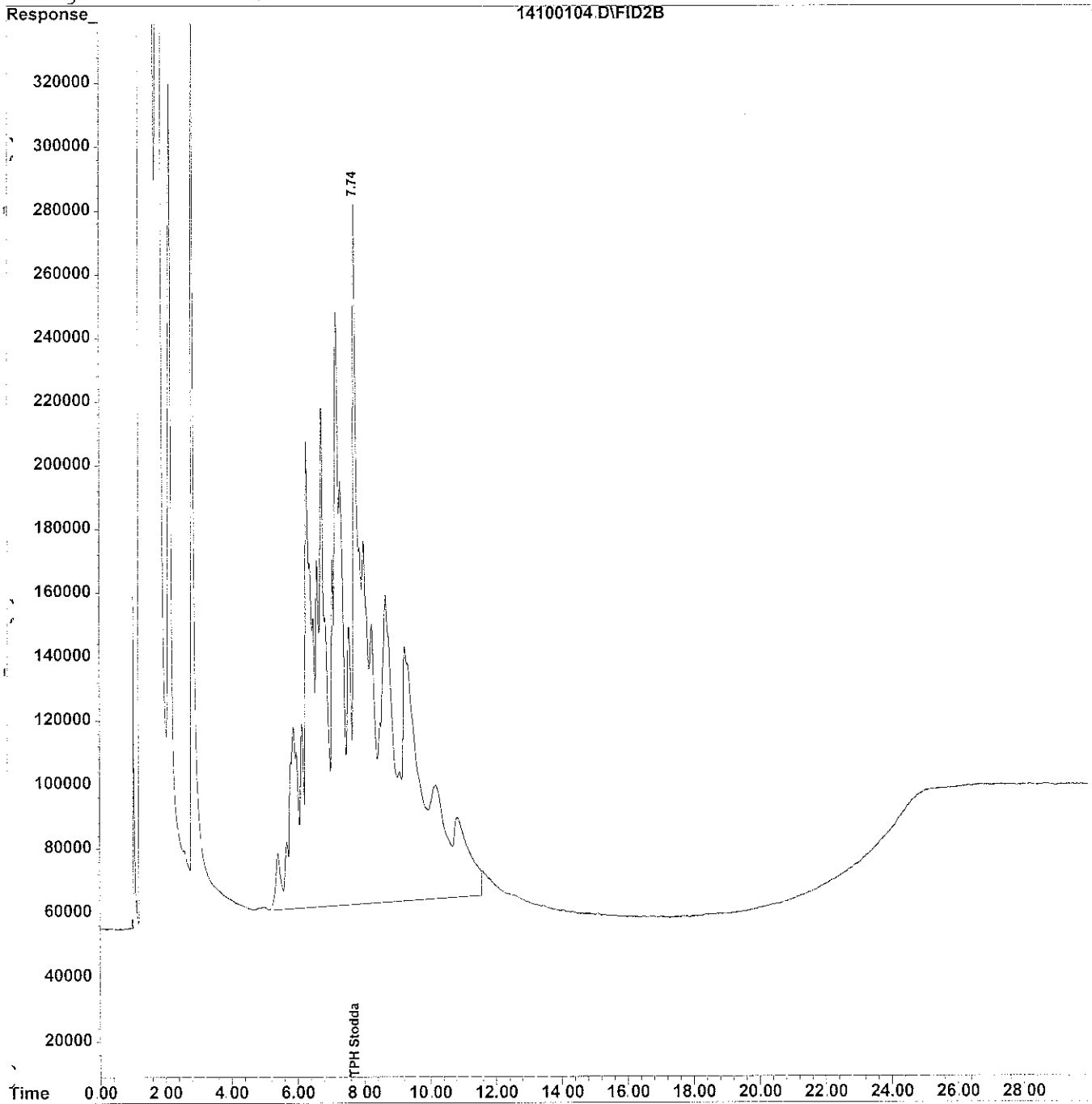
Quantitation Report

Data File : C:\HPCHEM\2\DATA\100114A\14100104.D  
Acq On : 1 Oct 2014 12:37  
Sample : 1000PPM TPH SS  
Misc : 1000PPM TPH SS (2uL)  
IntFile : EVENTS2.E  
Quant Time: Oct 2 8:41 2014 Quant Results File: TPHST1B.RES

Vial: 4  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 0.50

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Thu Oct 02 08:40:30 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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



Quantitation Report

2

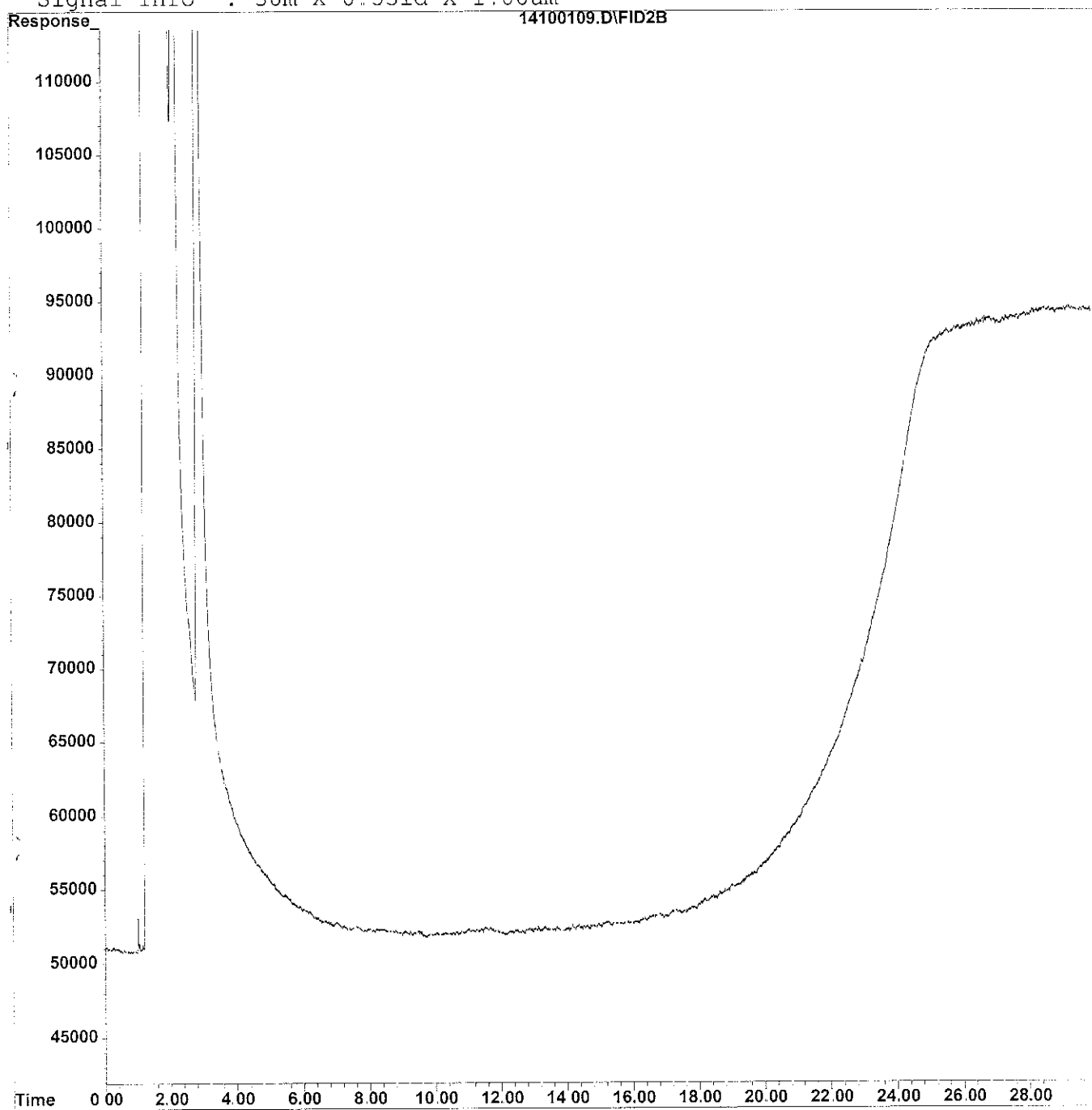
Data File : C:\HPCHEM\2\DATA\100114A\14100109.D  
Acq On : 1 Oct 2014 16:34  
Sample : MBW-BATCH  
Misc : QC WATER (1L/1ML)  
IntFile : EVENTS2.E  
Quant Time: Oct 2 12:15 2014

Vial: 8  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 0.50

Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Wed May 15 11:49:53 2013  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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



Quantitation Report

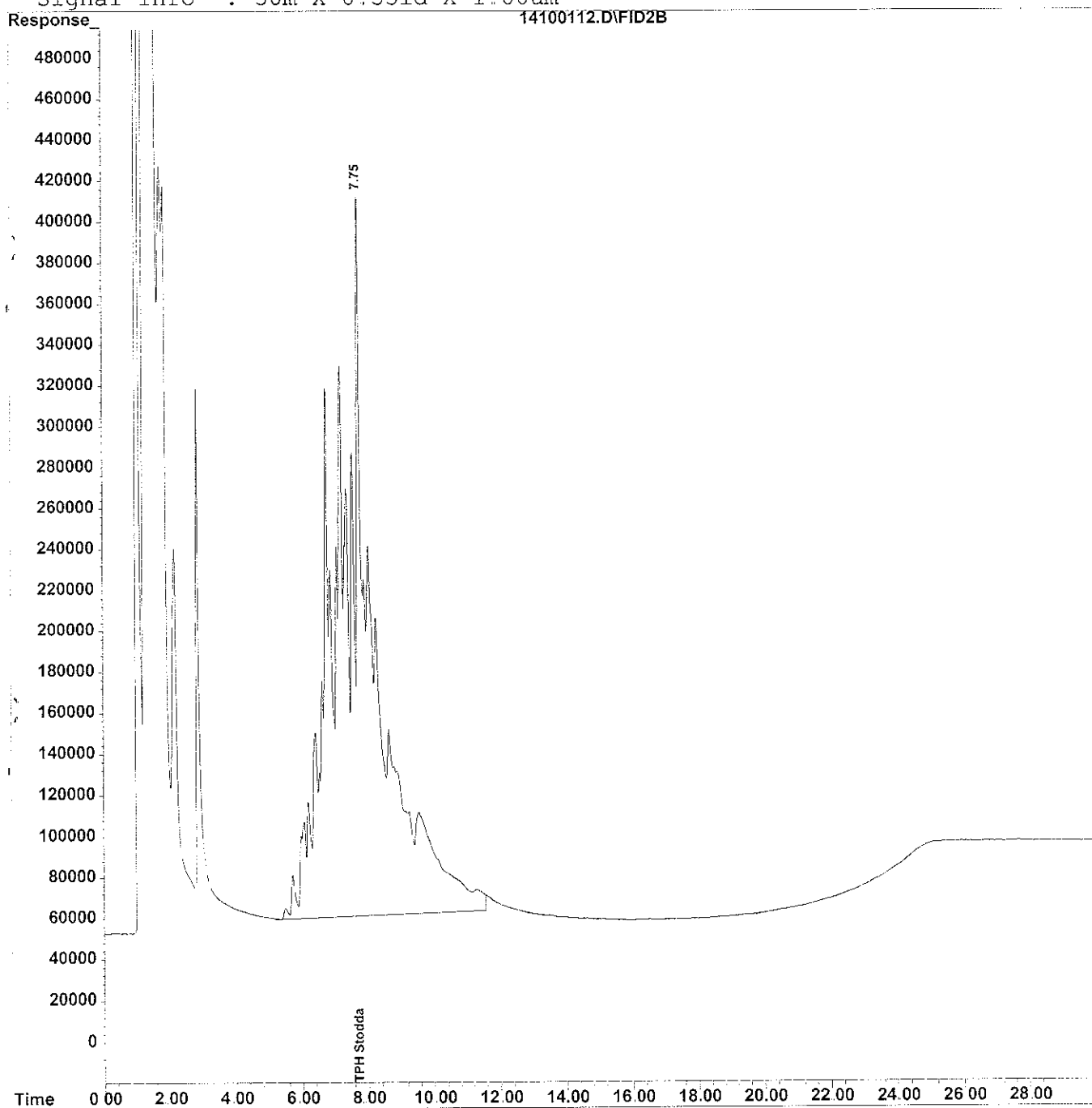
3

Data File : C:\HPCHEM\2\DATA\100114A\14100112.D  
Acq On : 1 Oct 2014 17:52  
Sample : 21062-01; TABER  
Misc : MW-1 (500L/1ML)  
IntFile : EVENTS2.E  
Quant Time: Oct 2 8:47 2014 Quant Results File: TPHST1B.RES

Vial: 10  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Thu Oct 02 08:40:30 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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



Quantitation Report

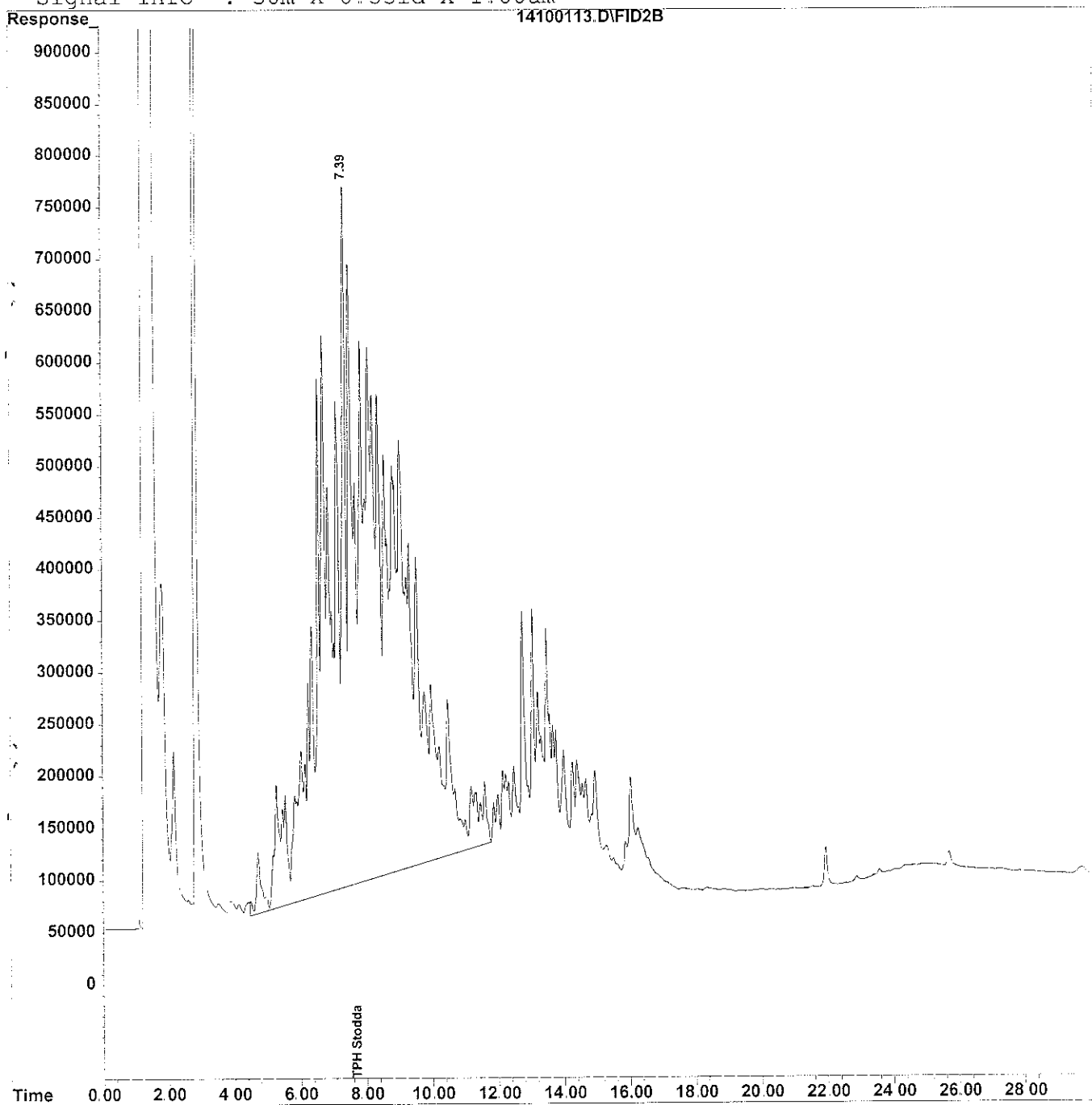
4

Data File : C:\HPCHEM\2\DATA\100114A\14100113.D  
Acq On : 1 Oct 2014 18:31  
Sample : 21062-02; TABER  
Misc : MW-2 (500L/1ML)  
IntFile : EVENTS2.E  
Quant Time: Oct 2 8:48 2014 Quant Results File: TPHST1B.RES

Vial: 11  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Thu Oct 02 08:40:30 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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



Quantitation Report

5

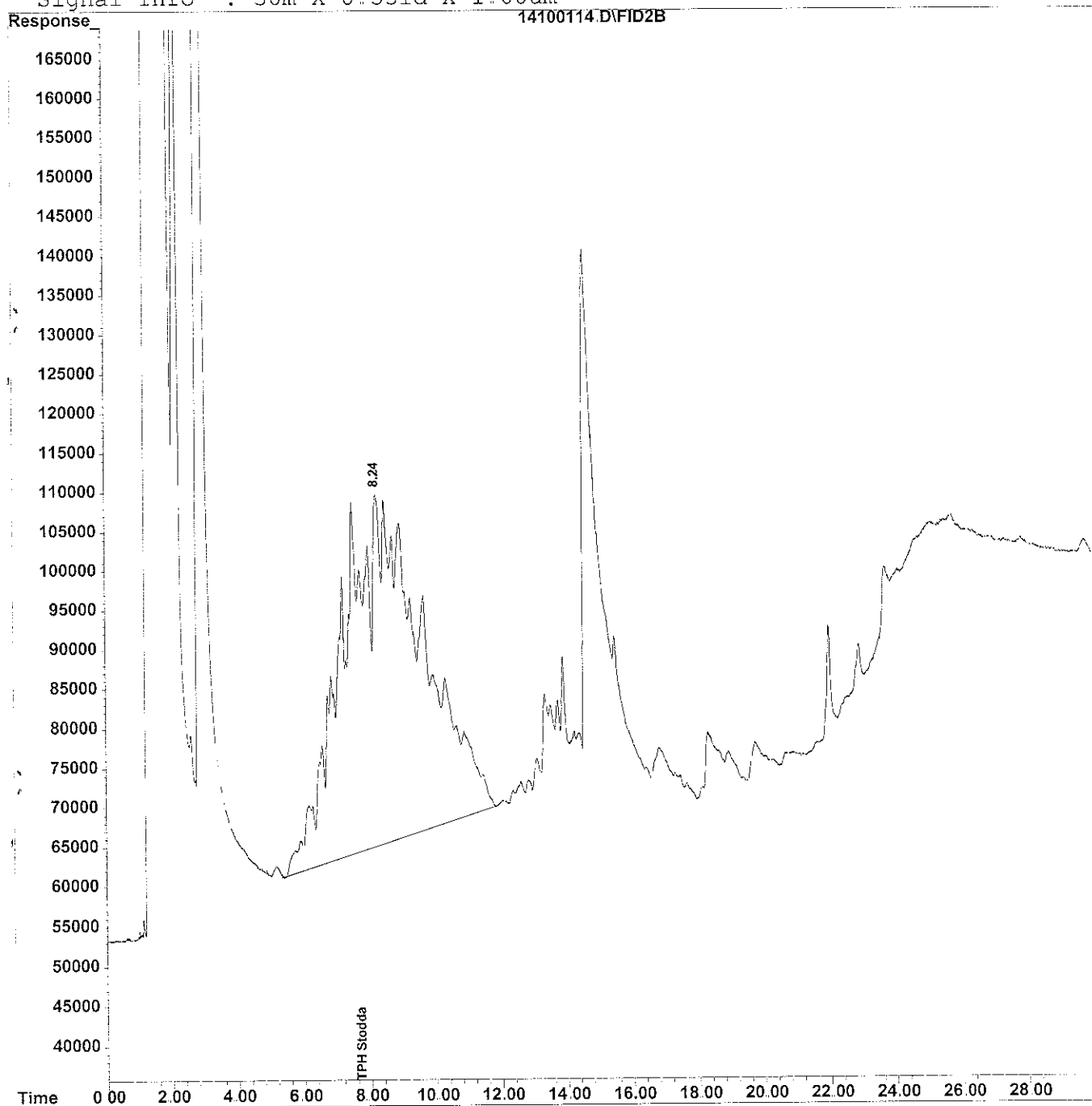
Data File : C:\HPCHEM\2\DATA\100114A\14100114.D  
Acq On : 1 Oct 2014 19:10  
Sample : 21062-03; TABER  
Misc : MW-3 (500L/1ML)  
IntFile : EVENTS2.E

Vial: 12  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Time: Oct 2 8:48 2014 Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Thu Oct 02 08:40:30 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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





Quantitation Report

6

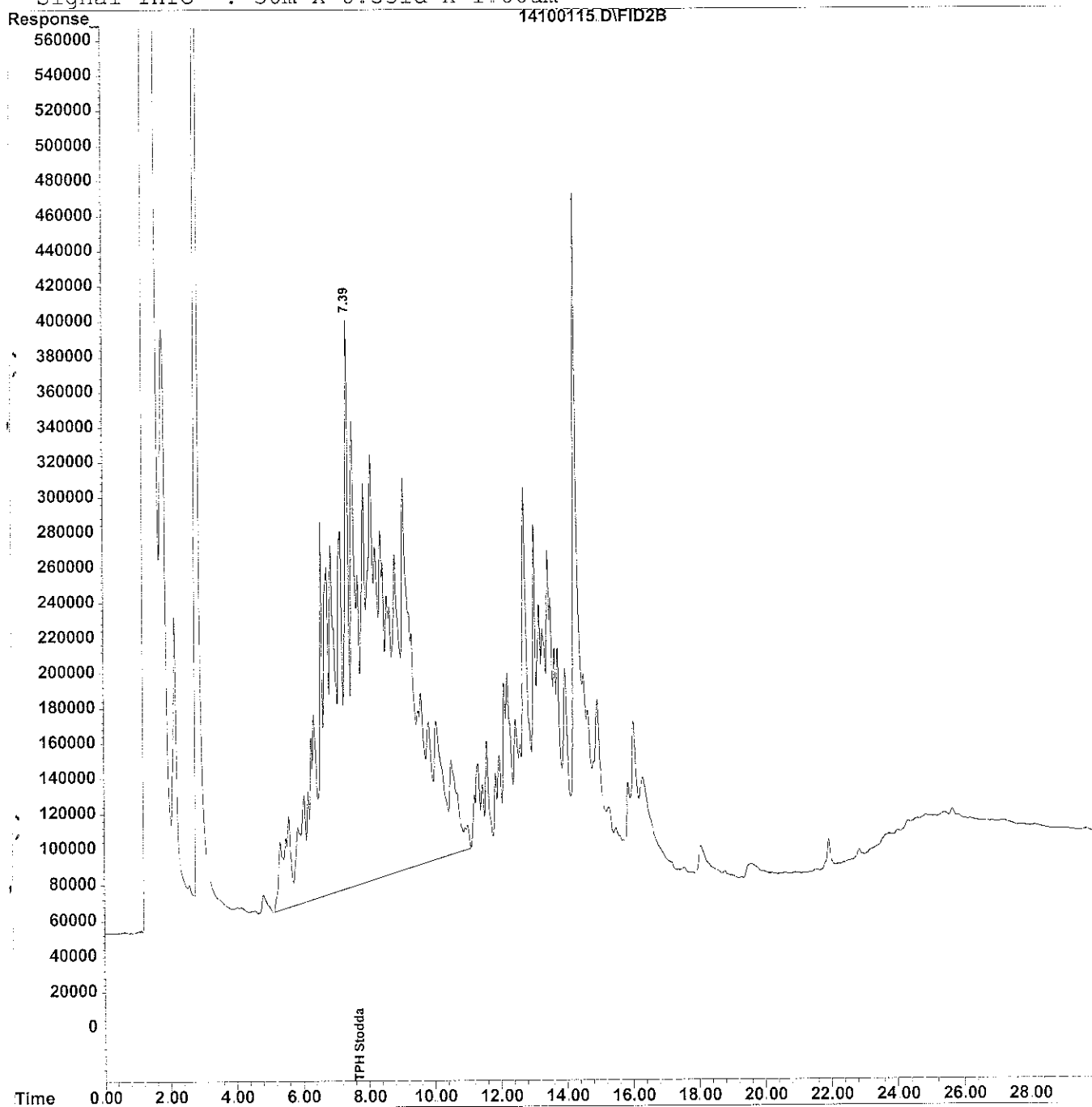
Data File : C:\HPCHEM\2\DATA\100114A\14100115.D  
Acq On : 1 Oct 2014 19:50  
Sample : 21062-04; TABER  
Misc : W-IND (500L/1ML)  
IntFile : EVENTS2.E  
Quant Time: Oct 2 8:49 2014

Vial: 13  
Operator: R.L. JAMES  
Inst : HP-FID  
Multiplr: 1.00

Quant Results File: TPHST1B.RES

Quant Method : C:\HPCHEM\2\METHODS\TPHST1B.M (Chemstation Integrator)  
Title : 3500/8015 TPH Stoddard Solvent  
Last Update : Thu Oct 02 08:40:30 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHST1B.M

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



Quantitation Report

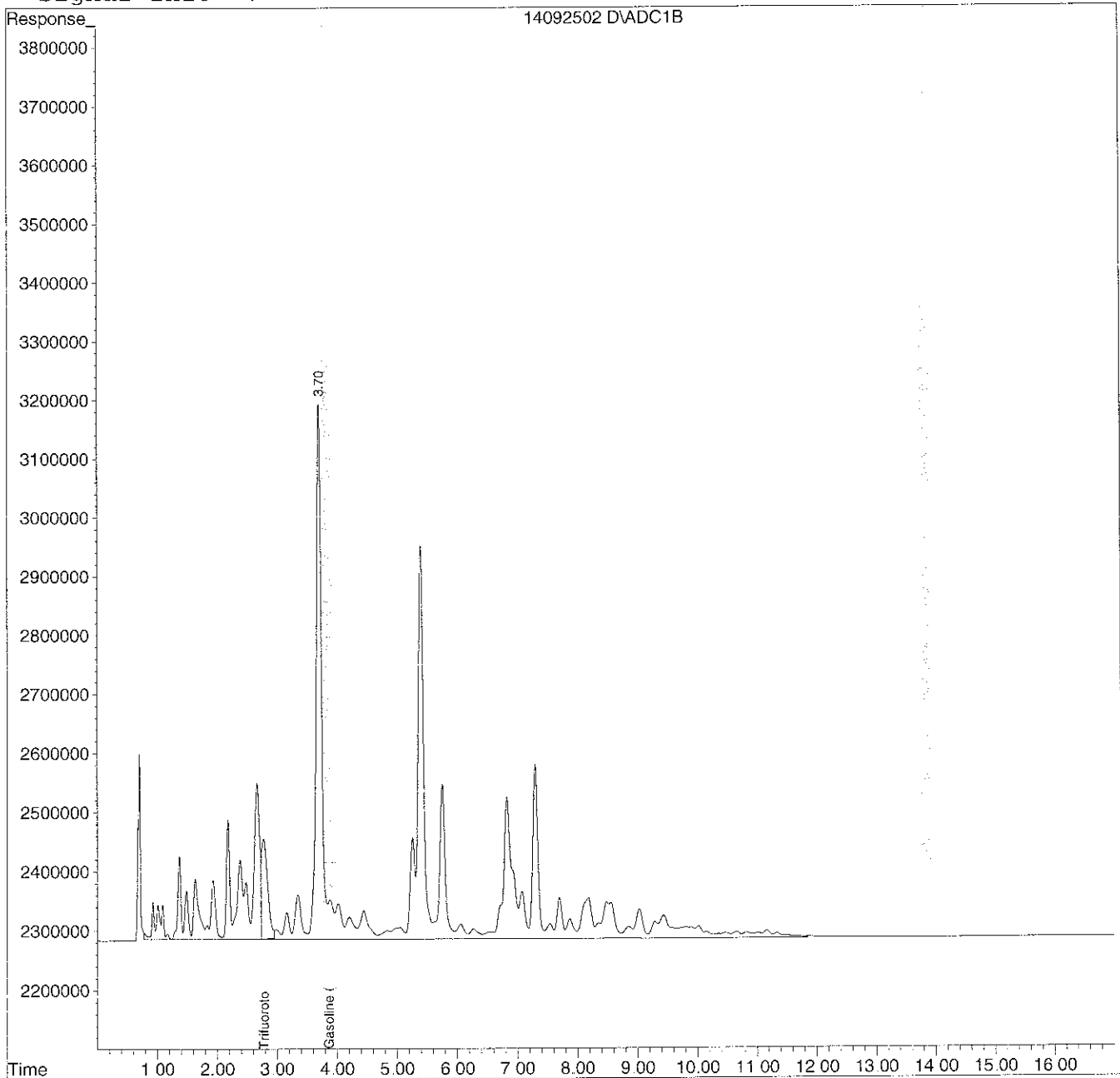
7

Data File : D:\HPCHEM\1\DATA\092514V4\14092502.D  
Acq On : 25 Sep 2014 16:25  
Sample : 1.0PPM TPHgas  
Misc : P&T (5ML)  
IntFile : EVENTS.E  
Quant Time: Sep 25 16:42 2014 Quant Results File: TPHGV4.RES

Vial: 2  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

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



Quantitation Report

8

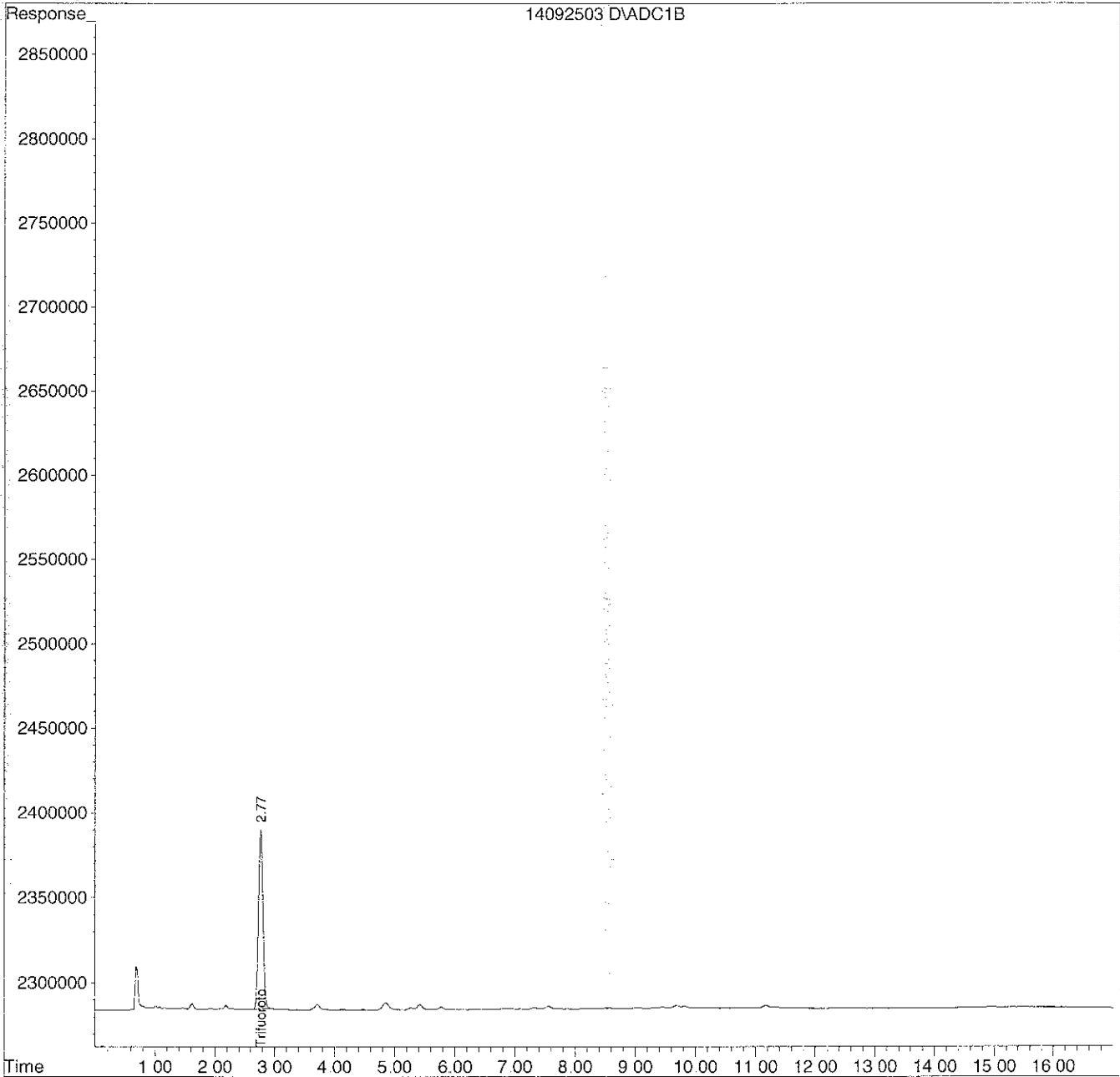
Data File : D:\HPCHEM\1\DATA\092514V4\14092503.D  
Acq On : 25 Sep 2014 17:10  
Sample : MB-BATCH  
Misc : QC-BATCH  
IntFile : EVENTS.E  
Quant Time: Sep 25 17:27 2014

Vial: 1  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Results File: TPHGV4.RES

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

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

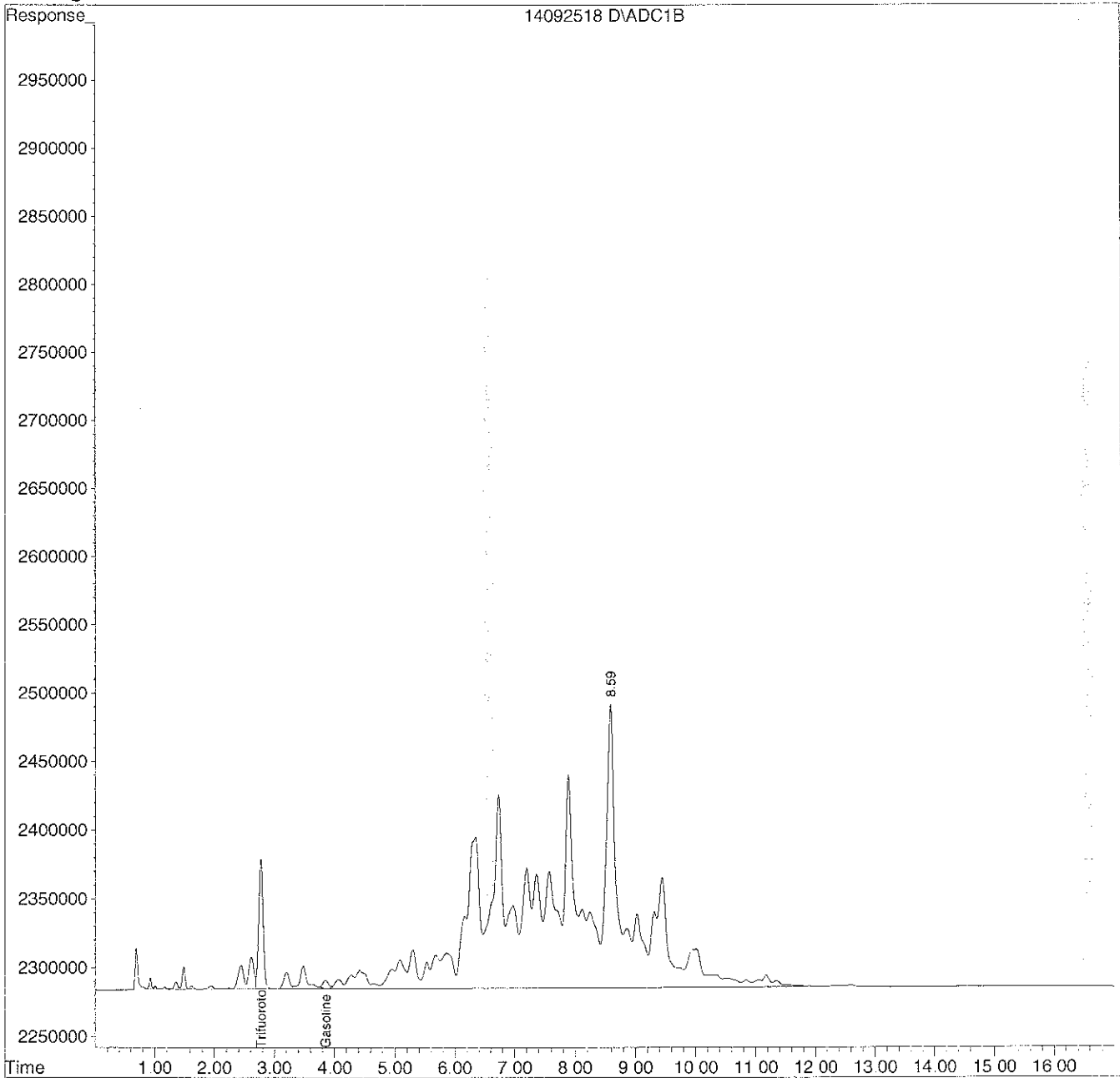


Quantitation Report

Data File : D:\HPCHEM\1\DATA\092514V4\14092518.D Vial: 16  
Acq On : 25 Sep 2014 23:27 Operator: R.L. JAMES  
Sample : 21062-01;TABER Inst : VAR-4  
Misc : MW-1 (500UL/5ML) 1:10 Multiplr: 2.00  
IntFile : EVENTS.E  
Quant Time: Sep 25 23:44 2014 Quant Results File: TPHGV4.RES

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

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



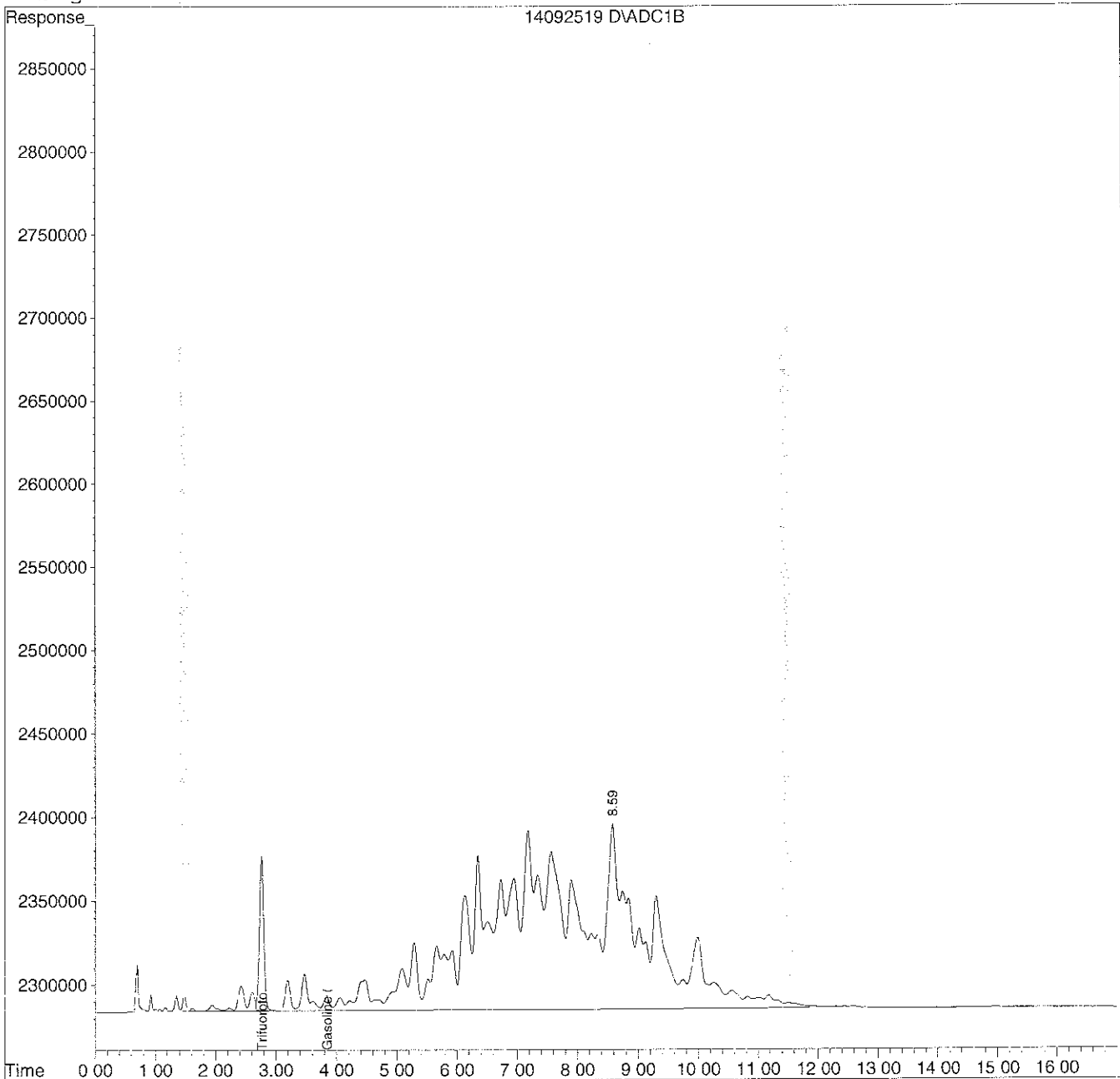
Quantitation Report

Data File : D:\HPCHEM\1\DATA\092514V4\14092519.D  
Acq On : 25 Sep 2014 23:52  
Sample : 21062-02;TABER  
Misc : MW-2 (5ML)  
IntFile : EVENTS.E  
Quant Time: Sep 26 0:09 2014 Quant Results File: TPHGV4.RES

Vial: 17  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

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



Quantitation Report

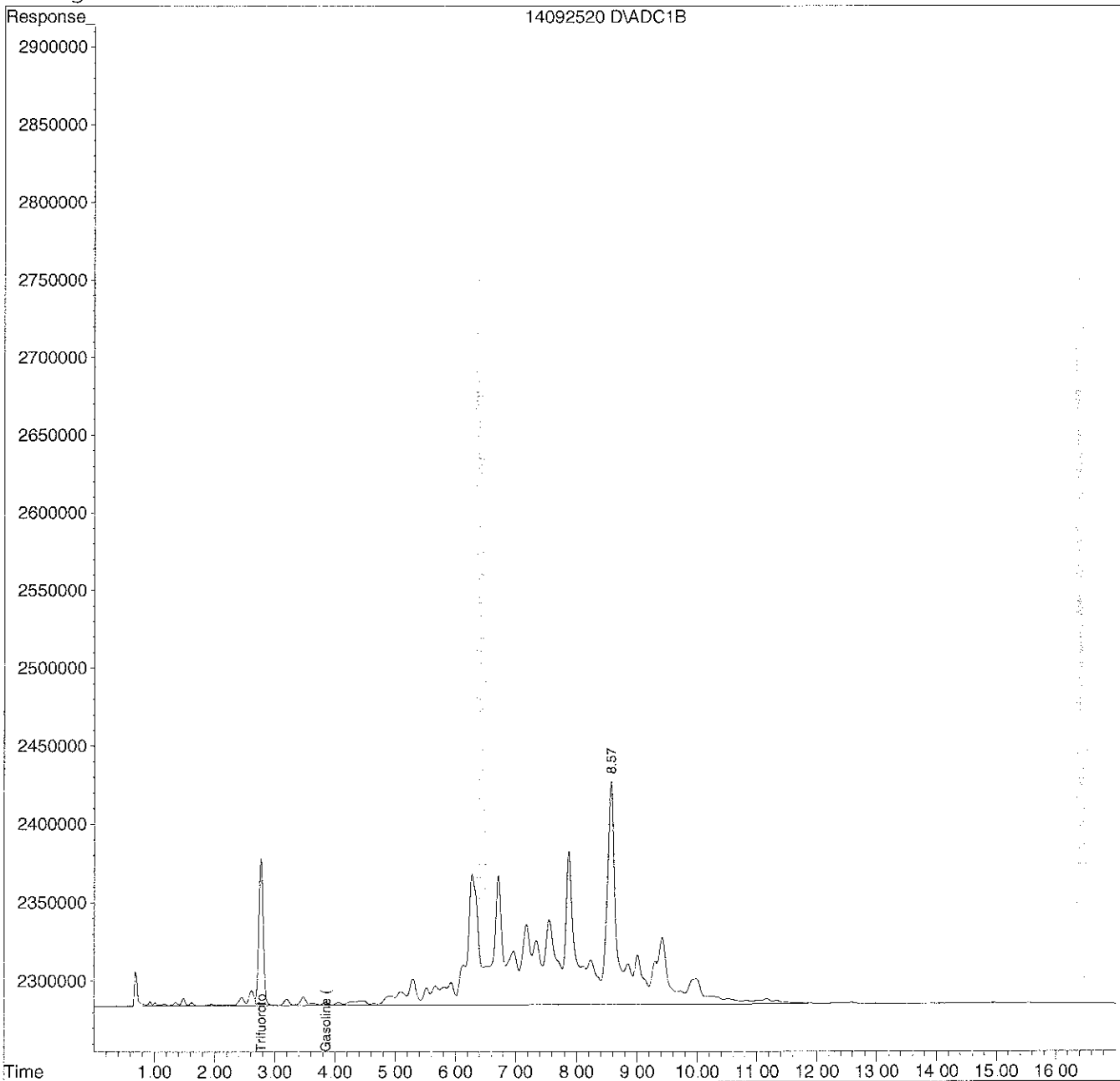
11

Data File : D:\HPCHEM\1\DATA\092514V4\14092520.D  
Acq On : 26 Sep 2014 00:17  
Sample : 21062-03;TABER  
Misc : MW-3 (500UL/5ML) 1:10  
IntFile : EVENTS.E  
Quant Time: Sep 26 0:34 2014 Quant Results File: TPHGV4.RES

Vial: 18  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 2.00

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

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



Quantitation Report

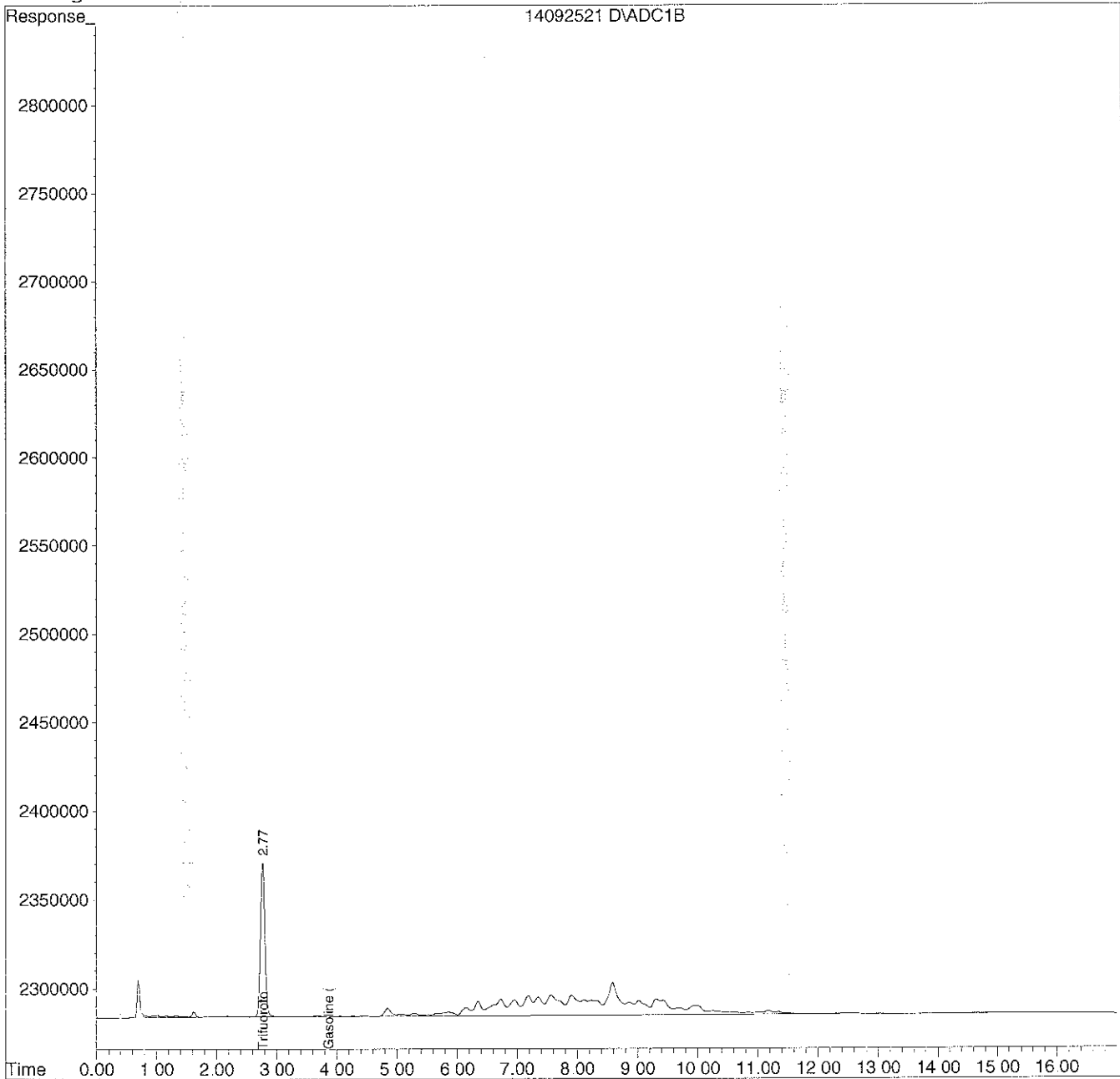
12

Data File : D:\HPCHEM\1\DATA\092514V4\14092521.D  
Acq On : 26 Sep 2014 00:42  
Sample : 21062-04;TABER  
Misc : W-IND (5ML)  
IntFile : EVENTS.E  
Quant Time: Sep 26 0:59 2014 Quant Results File: TPHGV4.RES

Vial: 19  
Operator: R.L. JAMES  
Inst : VAR-4  
Multiplr: 0.20

Quant Method : D:\HPCHEM\1\METHODS\TPHGV4.M (Chemstation Integrator)  
Title : GC TPH Method  
Last Update : Fri Aug 08 16:53:57 2014  
Response via : Multiple Level Calibration  
DataAcq Meth : TPHGV4.M

Volume Inj : 5ml  
Signal Phase :  
Signal Info :



Quantitation Report

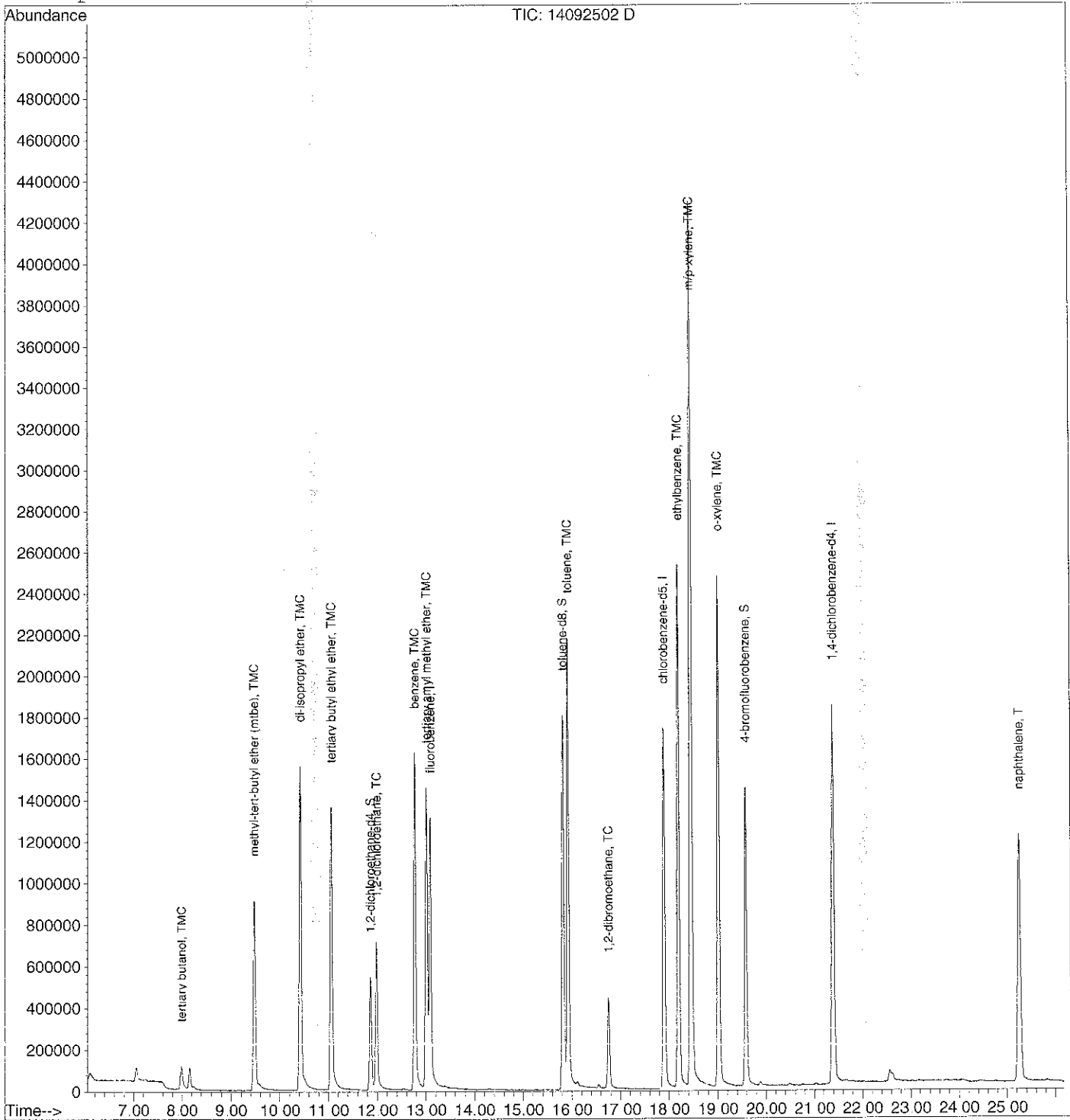
13

Data File : D:\HPCHEM\1\DATA\092514V2\14092502.D  
Acq On : 25 Sep 2014 16:40  
Sample : 50PPB 8260 OXY-STD  
Misc : QC  
MS Integration Params: rteint.p  
Quant Time: Sep 25 17:06 2014

Vial: 2  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 1.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Fri Sep 19 15:01:07 2014  
Response via : Initial Calibration





Quantitation Report

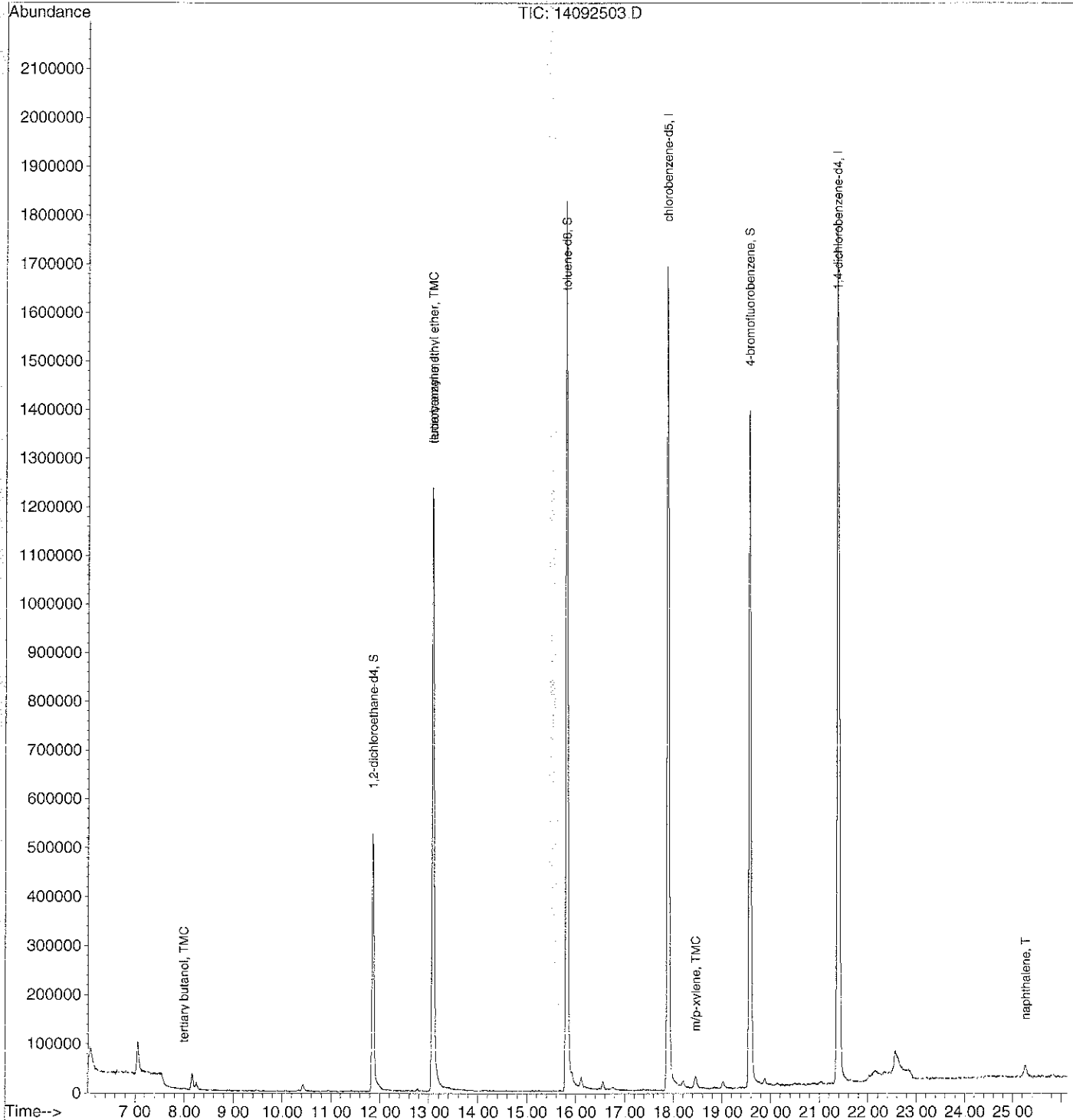
14

Data File : D:\HPCHEM\1\DATA\092514V2\14092503.D  
Acq On : 25 Sep 2014 17:48  
Sample : MB-BATCH  
Misc : QC  
MS Integration Params: rteint.p  
Quant Time: Sep 25 18:14 2014

Vial: 1  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 1.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Thu Sep 25 17:28:01 2014  
Response via : Initial Calibration



Quantitation Report

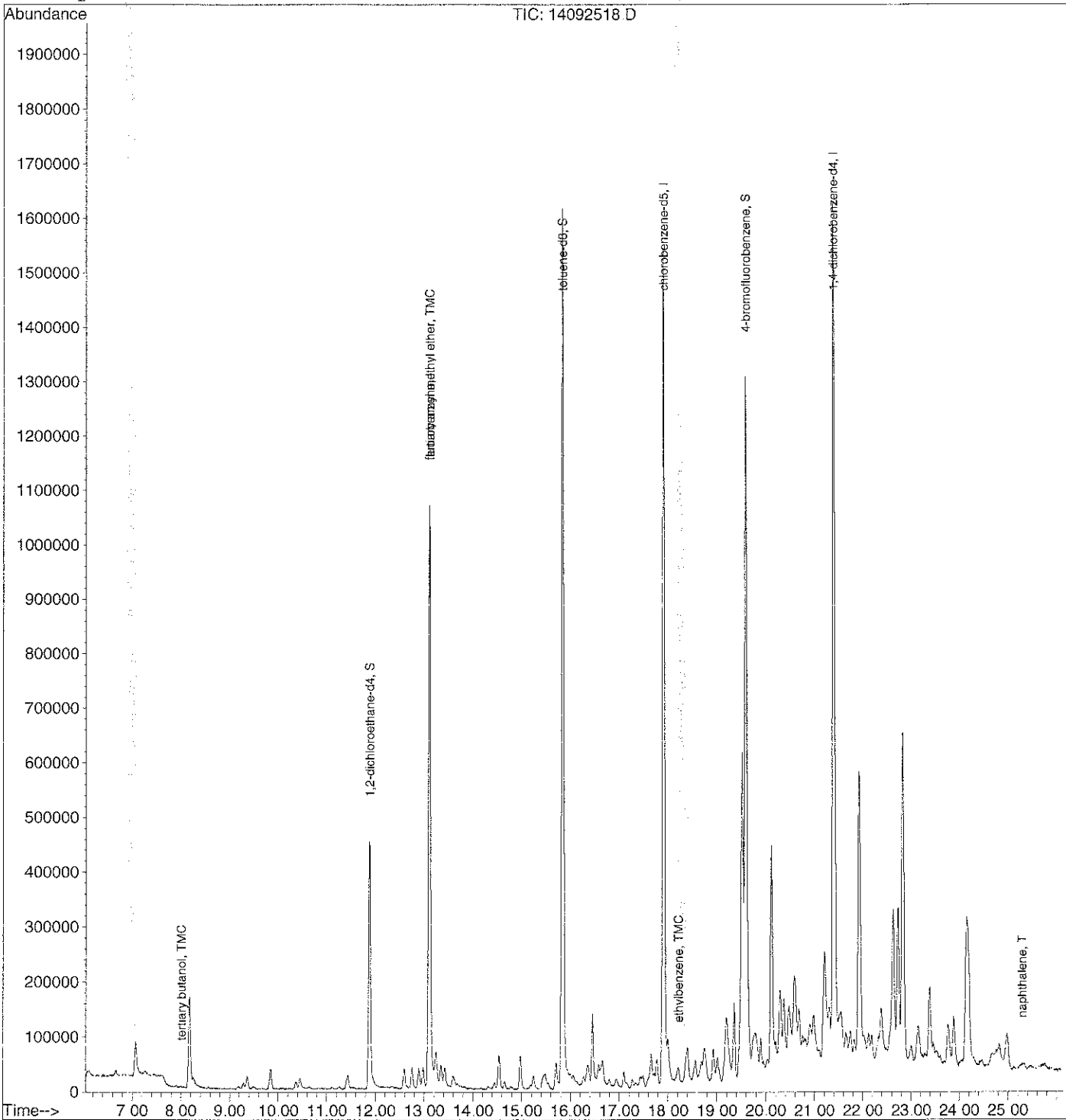
15

Data File : D:\HPCHEM\1\DATA\092514V2\14092518.D  
Acq On : 26 Sep 2014 2:25  
Sample : 21062-01;TABER  
Misc : MW-1 (500UL/5ML) 1:10  
MS Integration Params: rteint.p  
Quant Time: Sep 26 2:51 2014

Vial: 16  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 10.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Thu Sep 25 17:28:01 2014  
Response via : Initial Calibration



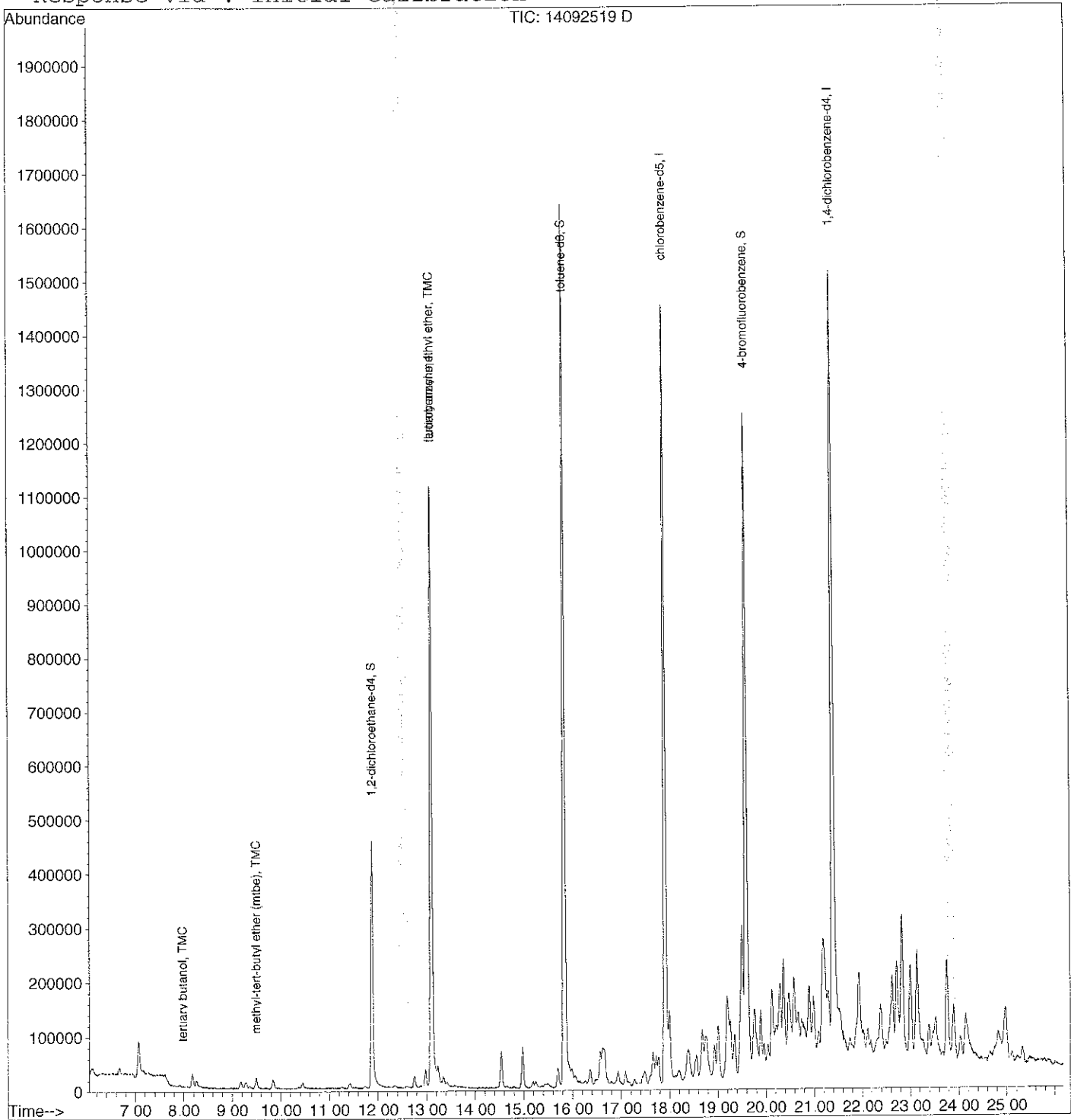
Quantitation Report

Data File : D:\HPCHEM\1\DATA\092514V2\14092519.D  
Acq On : 26 Sep 2014 2:59  
Sample : 21062-02;TABER  
Misc : MW-2 (5ML)  
MS Integration Params: rteint.p  
Quant Time: Sep 26 3:26 2014

Vial: 17  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 1.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Thu Sep 25 17:28:01 2014  
Response via : Initial Calibration



Quantitation Report

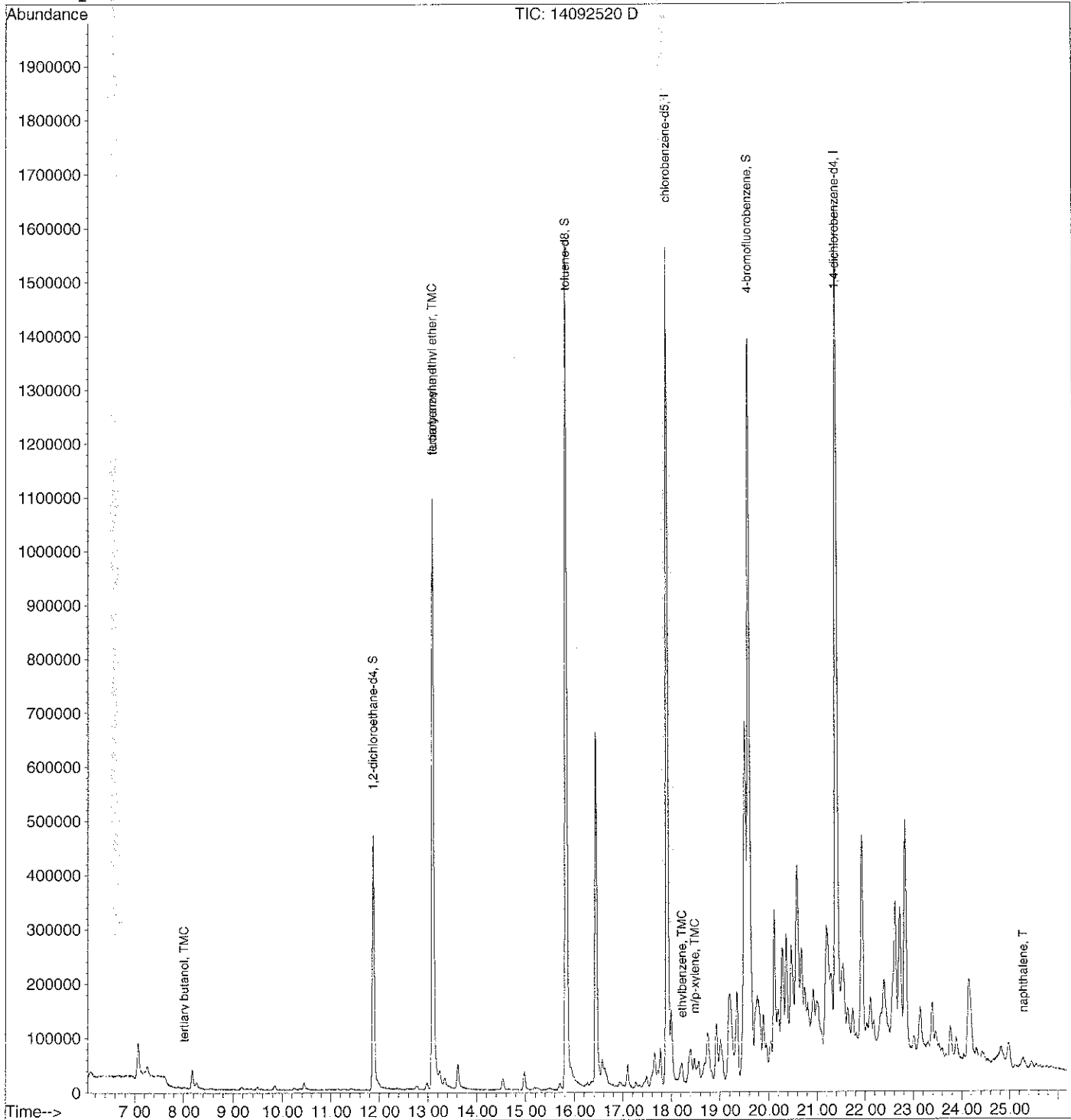
17

Data File : D:\HPCHEM\1\DATA\092514V2\14092520.D  
Acq On : 26 Sep 2014 3:34  
Sample : 21062-03;TABER  
Misc : MW-3 (500UL/5ML) 1:10  
MS Integration Params: rteint.p  
Quant Time: Sep 26 4:00 2014

Vial: 18  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 10.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Thu Sep 25 17:28:01 2014  
Response via : Initial Calibration



Quantitation Report

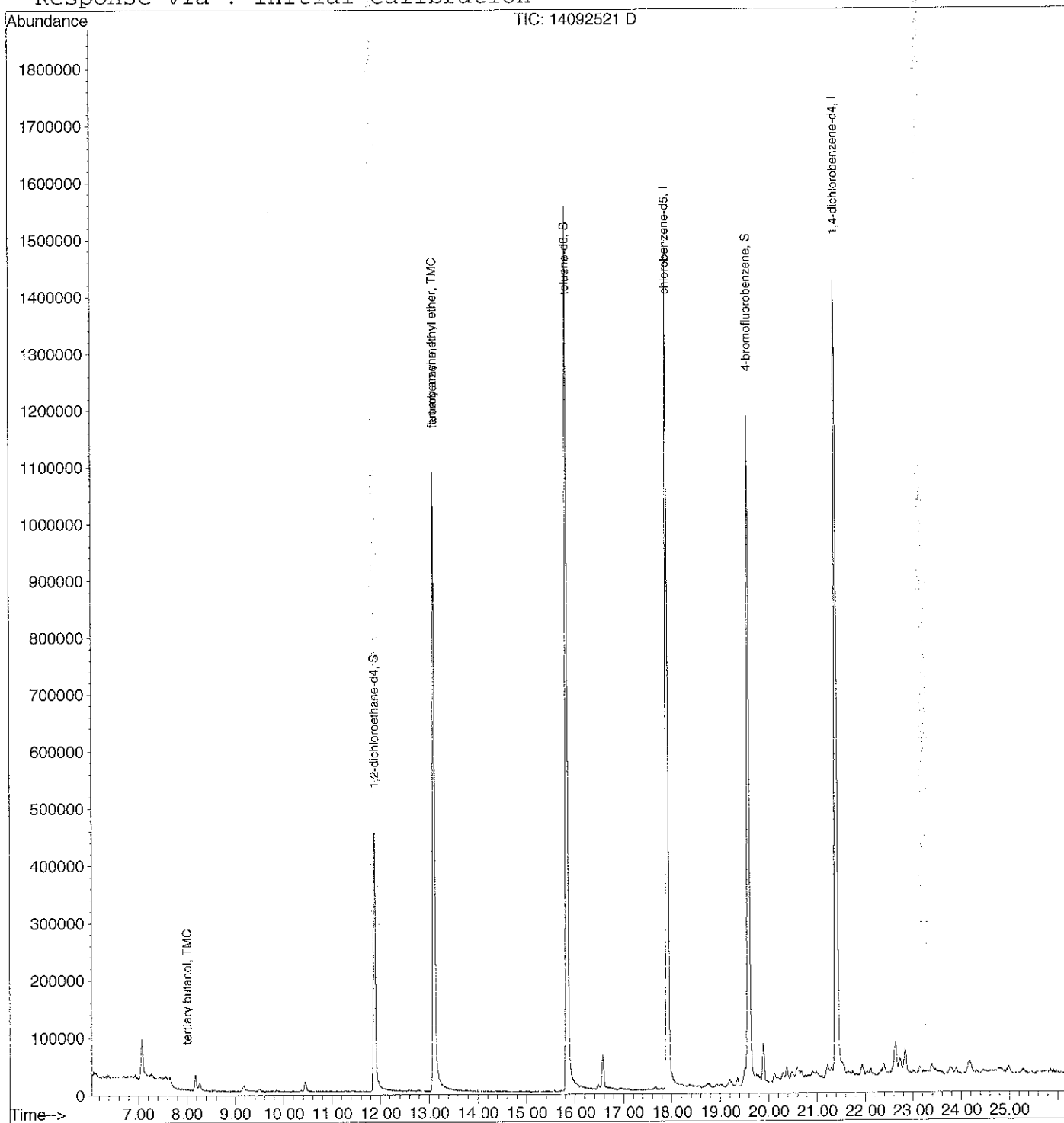
18

Data File : D:\HPCHEM\1\DATA\092514V2\14092521.D  
Acq On : 26 Sep 2014 4:08  
Sample : 21062-04;TABER  
Misc : W-IND (5ML)  
MS Integration Params: rteint.p  
Quant Time: Sep 26 4:35 2014

Vial: 19  
Operator: R.L. JAMES  
Inst : GCMSVOA2  
Multiplr: 1.00

Quant Results File: OXYFV2.RES

Method : D:\HPCHEM\1\METHODS\OXYFV2.M (RTE Integrator)  
Title : GCMSVOA2-8260 Oxygenates  
Last Update : Thu Sep 25 17:28:01 2014  
Response via : Initial Calibration



**APPENDIX D.**

**LIST OF LANDOWNERS FORMS**

### LIST OF LANDOWNERS FORM

County of Alameda  
Environmental Health Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

#### CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:

Site Name: City of Paris Cleaners  
Address: 3516 Adeline Street  
City, State, Zip: Oakland, CA 94608  
Record ID #: RO0000133

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, ~~PAULA D. CHAMPION-BRAIG~~ (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site: ESTATE OF FRANK R. CHAMPION

Name: PAULA D. CHAMPION-BRAIG  
Address: 280 MOUNTAIN AVE.  
City, State, Zip: PIEDMONT, CA. 94611-3506  
E-mail Address: USCHAMPION@AOL.COM

Name: PALETTE D. BATTERLEY  
Address: 14601 GUADALUPE DR.  
City, State, Zip: RANCHO MURIETA, CA. 95683  
E-mail Address: IVSNOOPY@CALWEB.COM

Name: MICHAEL W. CHAMPION  
Address: 1700 MAIN ST.  
City, State, Zip: MONTARA, CA. 94037  
E-mail Address: LEAHCHAMPION@COMCAST.NET

~~SEE ADDITIONAL PG. FOR ONE MORE PERSON~~

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I \_\_\_\_\_, certify that I am the sole landowner for the above site.

Sincerely,

Signature of Primary Responsible Party	Printed Name	Date	E-mail Address

### LIST OF LANDOWNERS FORM

County of Alameda  
Environmental Health Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:

Site Name: City of Paris Cleaners  
Address: 3516 Adeline Street  
City, State, Zip: Oakland, CA 94608  
Record ID #: RO0000133

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, A PAULA P. CHAMPION BRAIG (as the primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site: ESTATE OF FRANK R. CHAMPION

\*\* Name: FRANK R. CHAMPION, JR.  
Address: 9441 LAGUNA LAKE WAY  
City, State, Zip: EIK GROVE CA. 95758  
E-mail Address: LCHAMPN@AOL.COM

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I \_\_\_\_\_, certify that I am the sole landowner for the above site.

Sincerely,

Signature of Primary Responsible Party	Printed Name	Date	E-mail Address
_____	_____	_____	_____



**LIST OF LANDOWNERS FORM**

County of Alameda  
Environmental Health Services  
Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**CERTIFIED LIST OF RECORD FEE TITLE OWNERS FOR:**

Site Name: City of Paris Cleaners  
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Record ID #: RO0000133

Please fill out item 1 if there are multiple site landowners (attach an extra sheet if necessary). If you are the sole site landowner, skip item 1 and fill out item 2.

1. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, \_\_\_\_\_ (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_  
  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_  
  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

2. In accordance with Section 25297.15(a) of Chapter 6.7 of the California Health & Safety Code, I, DEBORA BUCKLEY, certify that I am the sole landowner for the above site.

Sincerely,  
[Signature] DEBORA BUCKLEY 12-2-2014  
Signature of Primary Responsible Party      Printed Name      Date      E-mail Address

I AM AND HAVE NEVER BEEN PRIMARY RESPONSIBLE PARTY -> I AM CURRENT OWNER