THIRD QUARTER 2008
QUARTERLY MONITORING REPORT

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

USTCF Claim #002192

Prepared For:

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

Prepared By:

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November 7, 2008

www.westernresourcemgmt.com

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1.0 INTRODUCTION

1.1 Project Description

On behalf of the responsible party, Western Resource Management (WRM) has prepared this *Third Quarter 2008 Quarterly Monitoring Report* for submittal to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and Alameda County Health Care Services Agency (ACHSA). The scope of work conducted during this project complies with existing SRWQCB and ACHSA directive letters.

1.2 Site Location and Description

The former City of Paris Cleaners is a former dry cleaning, laundry and dyeing operation currently owned by Mrs. Debra Runyon and located at 3516 Adeline St., Oakland, CA. The plant was in operation for over 40 years until the 1960's, but cleaning materials were not completely removed from the site until 1990. The site buildings remained vacant for a number of years following the closure of the dry cleaning operation and then were converted to residential and light commercial use.

The site lies at the southern corner of the intersection between 35th St. and Adeline St. at approximately 30 feet above mean sea level (msl) in the northwest portion of the City of Oakland, California. The site buildings currently house City of Paris Studios, a workshop for art, art restoration, collectibles and hobbies, as well as on-site living quarters. The current owner acquired the site in July 2000.

1.3 Site History and Previous Subsurface Investigations

On October 4, 1990, three underground storage tanks (1 750-gallon and 2 1,000-gallon) were excavated and removed from the site by Semco Company of San Mateo. These UST were formerly used to store Stoddard Solvent for use in the dry cleaning operations at the site. Six soil samples were collected in conjunction with the UST removal.

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

W.A. Craig was contracted to overexcavate the eastern portion of the tank pit on August 30, 1991. Approximately 44 cubic yards were excavated and place in a cell for on-site bioremediation of the impacted soil. During the course of the overexcavation activities, an additional 250-gallon UST containing Stoddard Solvent was discovered. This UST was removed and disposed by W. A. Craig on October 31, 1991. An additional 15 cubic yards was overexcavated by W.A. Craig on January 27, 1992 and added to the on-site bioremediation cell.

W. A. Craig backfilled the tank pit with bioremediated soil and clean fill on April 21, 1992.

UES supervised the installation of three 30-foot ground water monitoring wells on-site on October 29 and 30, 1992. The wells were installed by Soils Exploration Services of Vacaville, California. Initial groundwater elevations in the wells ranged from 13 to 14 feet below grade. Groundwater samples from all three wells contained Total Petroleum Hydrocarbons, as

Stoddard Solvent (TPH-SS), ranging from 630 parts per billion (ppb) in MW-2 to 11,000 ppb in MW-3. All other tested constituents were below laboratory detection limits.

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

By December 1999, the chemical suite of analytes that were monitored grew to include 1,2-Dichlorobenzene (DCB), 1,1-Dichloroethane, 2-methylnaphthalene and naphthalene. All these constituents were present in one or more wells. The groundwater gradient was also defined as trending to the north at 0.003 ft./ft.

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

WRM assumed environmental consulting responsibilities for the site commencing in June 2007.

2.0 GROUNDWATER MONITORING, SAMPLING, AND ANALYSIS

On August 12, 2008, to comply with quarterly groundwater monitoring requirements, WRM gauged and sampled on-site groundwater monitoring wells MW-1 through MW-3. An on-site industrial well (W-IND) was also monitored this quarter.

2.1 Groundwater Monitoring

Depth-to-groundwater was measured in the three monitoring wells using a water level meter capable of measurements to within 0.01 foot. The depth to the groundwater table ranged from 12.08 feet below ground surface (bgs) in MW-2 to 14.14 in MW-3. Groundwater surface elevations ranged from a high of 5.23 feet above mean sea level (msl) in MW-2 to a low of 3.3 feet above msl at MW-3. The direction of groundwater flow is to the northeast at a gradient of 0.095 feet per foot. A groundwater surface contour map is included as Figure 3 and groundwater elevation data are summarized in Table 1. Field data sheets for the groundwater monitoring are included as Appendix A.

2.2 Groundwater Sampling and Analysis

Following groundwater level measurements, the four wells were purged and sampled in accordance with the established sampling schedule. The monitoring wells were purged with a pump and dedicated disposable tubing until at least three well casing volumes had been removed and/or after groundwater temperature, pH and electrical conductivity values had stabilized. Groundwater was sampled from the monitoring wells using dedicated and disposable polyethylene bailers and laboratory-supplied containers. All sample containers were transported in an iced cooler with chain-of-custody documentation to Sparger Technology, Inc. (Sparger), of Rancho Cordova, California, a state certified analytical laboratory (ELAP Certification #1614).

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

Maximum concentrations of dissolved TPH-SS and TPH-G were detected in the groundwater samples collected from MW-1, with concentrations of 4,000 and 12,000 µg/l, respectively. Groundwater samples collected from MW-2, and MW-3 reported lower TPH-SS concentrations of 2,200 and 1,900, respectively. Groundwater samples collected from MW-2, and MW-3 also reported lower TPH-G concentrations of 350 and 4,300, respectively. Dissolved MtBE was only detected in groundwater samples collected from MW-3 at 6.5 µg/l. Dissolved MtBE and BTEX were below minimum laboratory detection limits in MW-1 and MW-2, and BTEX were below minimum laboratory detection limits in MW-3. All tested analytes were below laboratory detection limits in W-IND.

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

3.0 CONCLUSIONS AND RECOMMENDATIONS

There appears to be an upward trend in TPH-SS concentrations even with seasonal fluctuations taken into account, especially in the downgradient wells MW-1 and MW-3. However, this quarter's results show minimal decreases in groundwater samples collected from TPH-SS concentrations in wells MW-1 and W-IND and decreases in TPH-G concentrations in groundwater samples collected from MW-2 and W-IND, which is typically consistent with seasonal fluctuations observed since 2002.

Between May 23, 2008 and August 12, 2008, dissolved TPH-SS concentrations increased by 1,900 µg/l in MW-2 and by 1,000 µg/l in MW-3. Dissolved TPH-SS concentrations decreased by 200 µg/l in MW-1 and by at least 250 µg/l in W-IND. Dissolved TPH-G concentrations increased by at least 11,500 µg/l in MW-1 and by 1,300 µg/l in MW-3, and decreased by 750 µg/l in MW-2 and by at least 200 µg/l to in W-IND. MTBE showed slight decreases in the samples collected from MW-2 and MW-3, and MtBE was only detected in groundwater samples collected from MW-3 at 6.5 µg/l. Benzene concentrations were non-detect in all groundwater samples this quarter.

The lateral extent of impacted groundwater continues to be concentrated in the vicinity of the former tank pit, concentrated in the northwest-southeast pattern between MW-1 and MW-2 and extending to the northeast as defined in previous off-site soil borings. The trend of constituents of concern in groundwater appears to indicate a residual soil source area remaining on the property. The groundwater plume remains undefined both down and cross gradient from the location of the former UST's at the site.

The anomalously steep gradient at the site indicates there may be issues with the wells resulting from the 2002 well redevelopment. WRM recommends re-surveying the wells to determine if the wells may have been disturbed during the well redevelopment process. Additional steps may include well swabbing and an additional redevelopment to clear out any sediment blockages.

WRM further recommends the use of the Hydrasleeve no-purge sampling method at the site to reduce due to concerns with dealing with and storing purge water at the site where young children live. Detailed documentation on the Hydrasleeve sampling protocols will be provided under separate cover.

4.0 REPORT DISTRIBUTION

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

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

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

5.0 REMARKS AND SIGNATURE

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

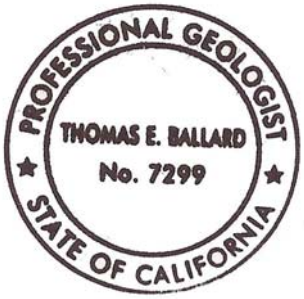
This report has been prepared solely for the use of Ms. Paulette Satterley. Any reliance on this report by third parties shall be at such parties' sole risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose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

We appreciate the opportunity to provide you with geologic, engineering and environmental consulting services and trust this report meets your needs. If you have any questions or concerns, please call us at (916) 729-1760.

Sincerely,

Western Resource Management

Martin A. Wills
Project Manager



Thomas E. Ballard, P.G. #7299
Senior Geologist

FIGURES

FIGURE 1
SITE LOCATION MAP

FORMER CITY OF PARIS CLEANERS
3516 ADELINE STREET
OAKLAND, CA

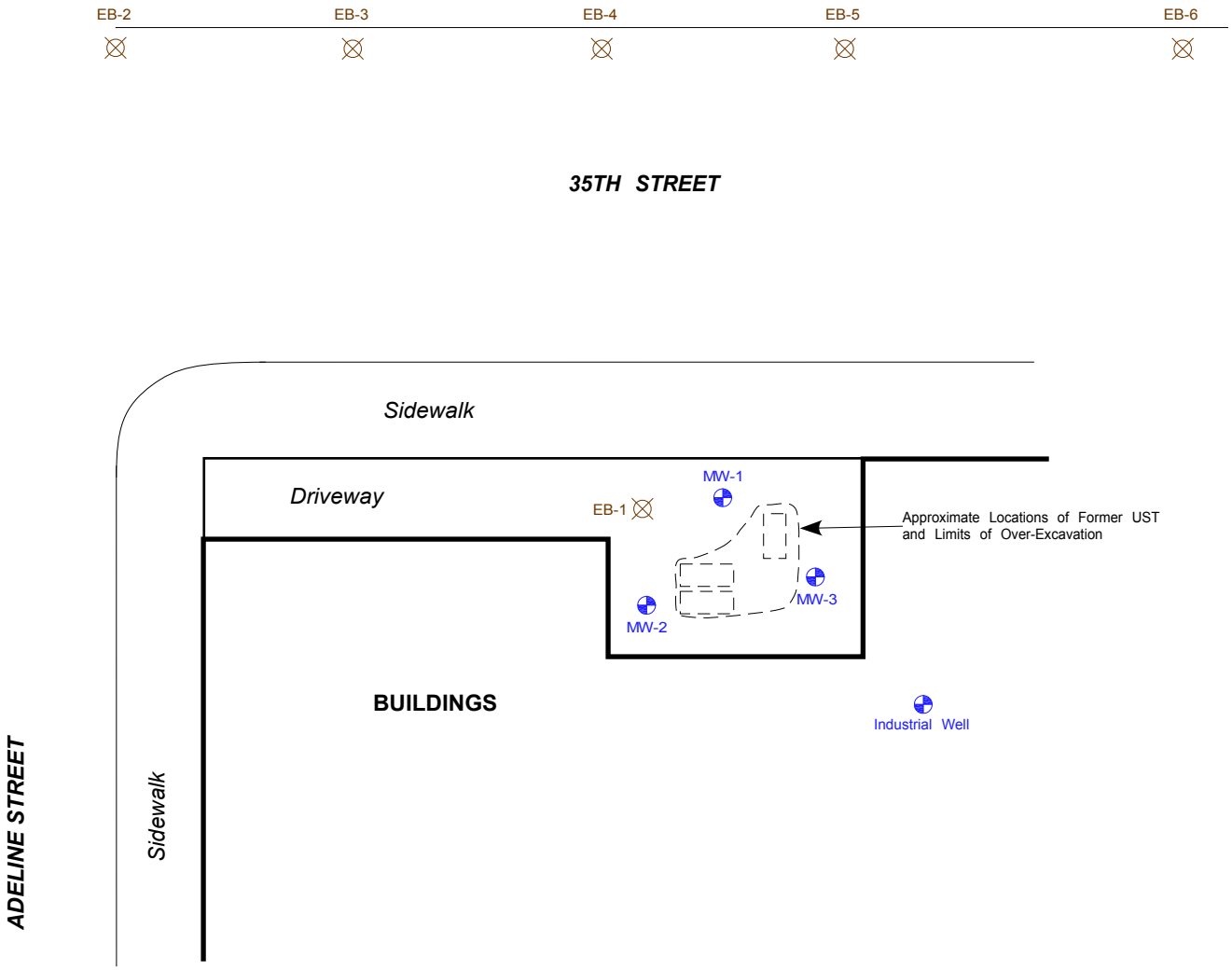
N

Scale: 1:24,000

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

PROJECT NO. City of Paris	DRAWN BY MML 03/07/08
FILE NO. Site Map	PREPARED BY TEB
REVISION NO. 2	REVIEWED BY

WESTERN Resource Management



0 20 FT

APPROX. SCALE

LEGEND

EB-1 SOIL BORING (1998)

MW-1 GROUNDWATER MONITORING WELL

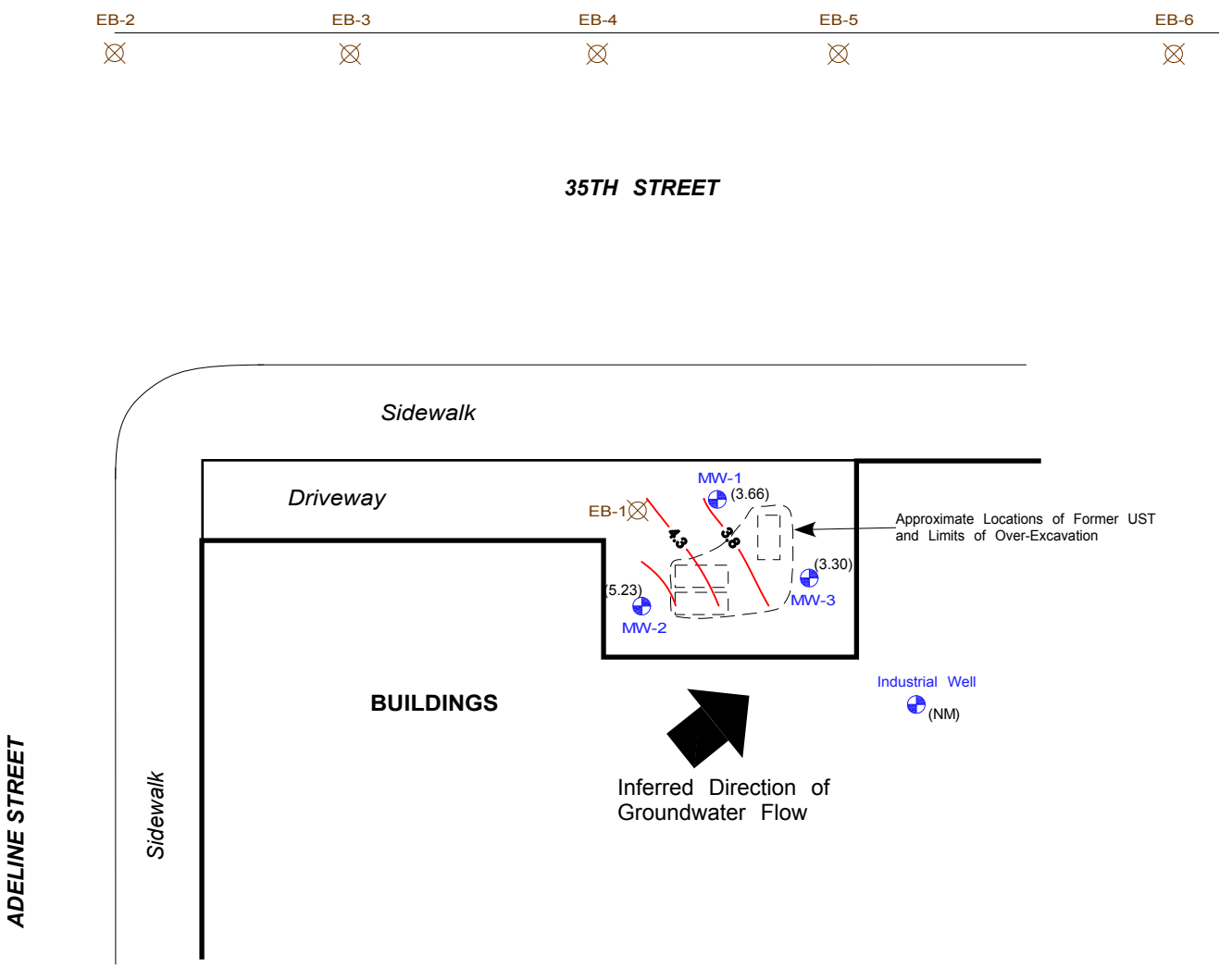
FIGURE 2

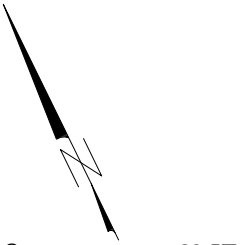
SITE MAP

FORMER CITY OF PARIS CLEANERS
3516 ADELINE STREET
OAKLAND, CA

PROJECT NO. 051074	DRAWN BY T.B. 03/06/08
FILE NO. City of Paris	PREPARED BY T.B.
REVISION NO. 1	REVIEWED BY

WESTERN Resource Management





APPROX. SCALE

LEGEND

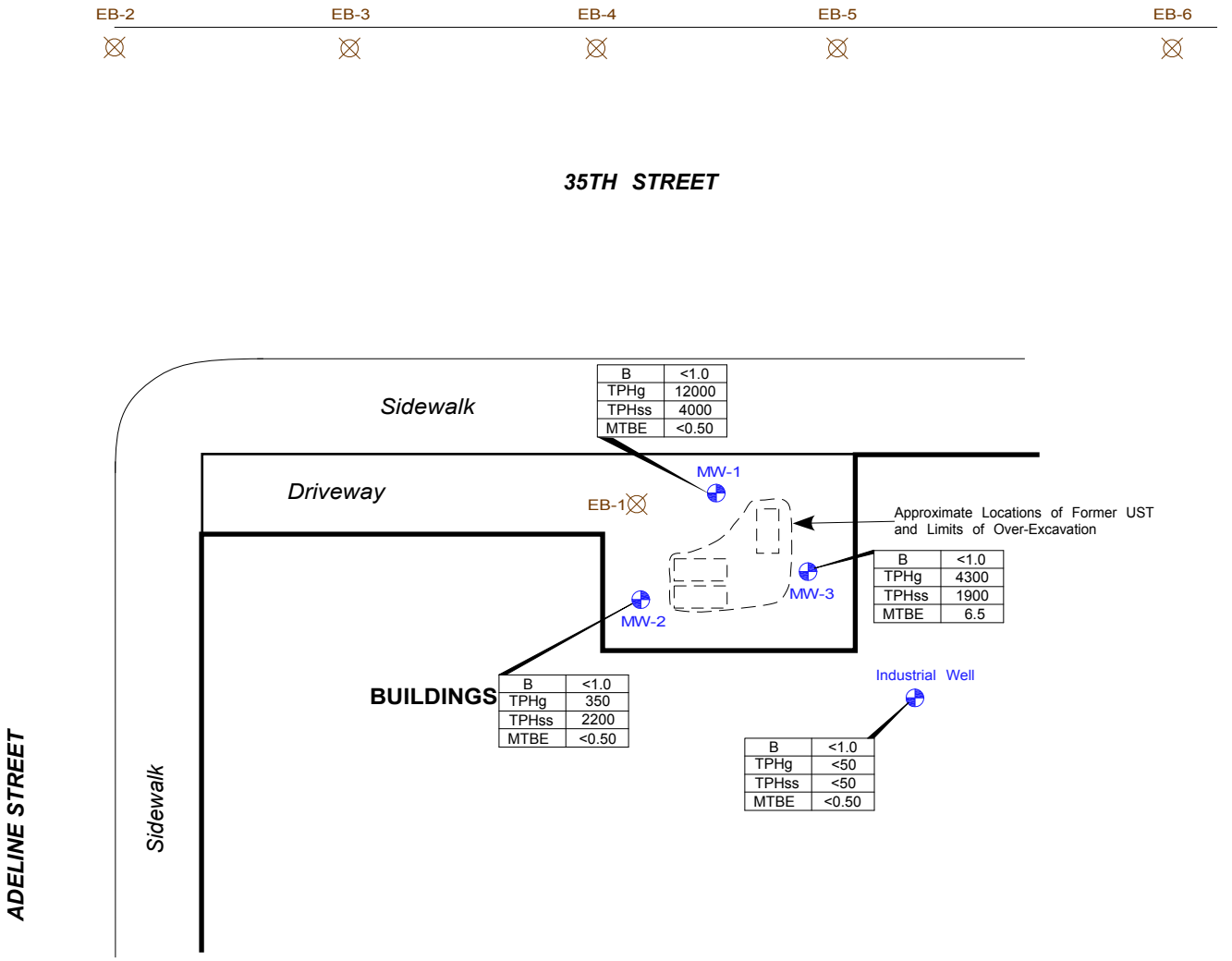
- EB-1 SOIL BORING (1998)
- MW-1 GROUNDWATER MONITORING WELL
- GROUNDWATER CONTOUR
- (3.30) GROUNDWATER ELEVATION (FT AMSL) NM = Not Measured

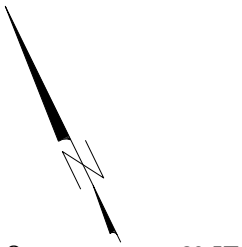
FIGURE 3
GROUNDWATER ELEVATIONS
AUGUST 12, 2008

FORMER CITY OF PARIS CLEANERS
3516 ADELINE STREET
OAKLAND, CA

PROJECT NO. 051074	DRAWN BY T.B. 03/ 06/ 08
FILE NO. City of Paris	PREPARED BY T.B.
REVISION NO. 1	REVIEWED BY

WESTERN Resource Management





APPROX. SCALE

LEGEND

EB-1 SOIL BORING (1998)

MW-1 GROUNDWATER MONITORING WELL

B	<1.0
TPHg	250
TPHss	300
MTBE	<0.50

- B: BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/ L)
- TPHg: TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/ L
- TPHss: TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT IN ug/ L
- MTBE: METHYL TERTIARY BUTYL ETHER IN ug/ L

Notes:
Industrial well measured in 1995.
Base Map Source: BT Associates (1995) for approximate locations of wells.

FIGURE 4
GROUNDWATER ANALYTICAL DATA
AUGUST 12, 2008

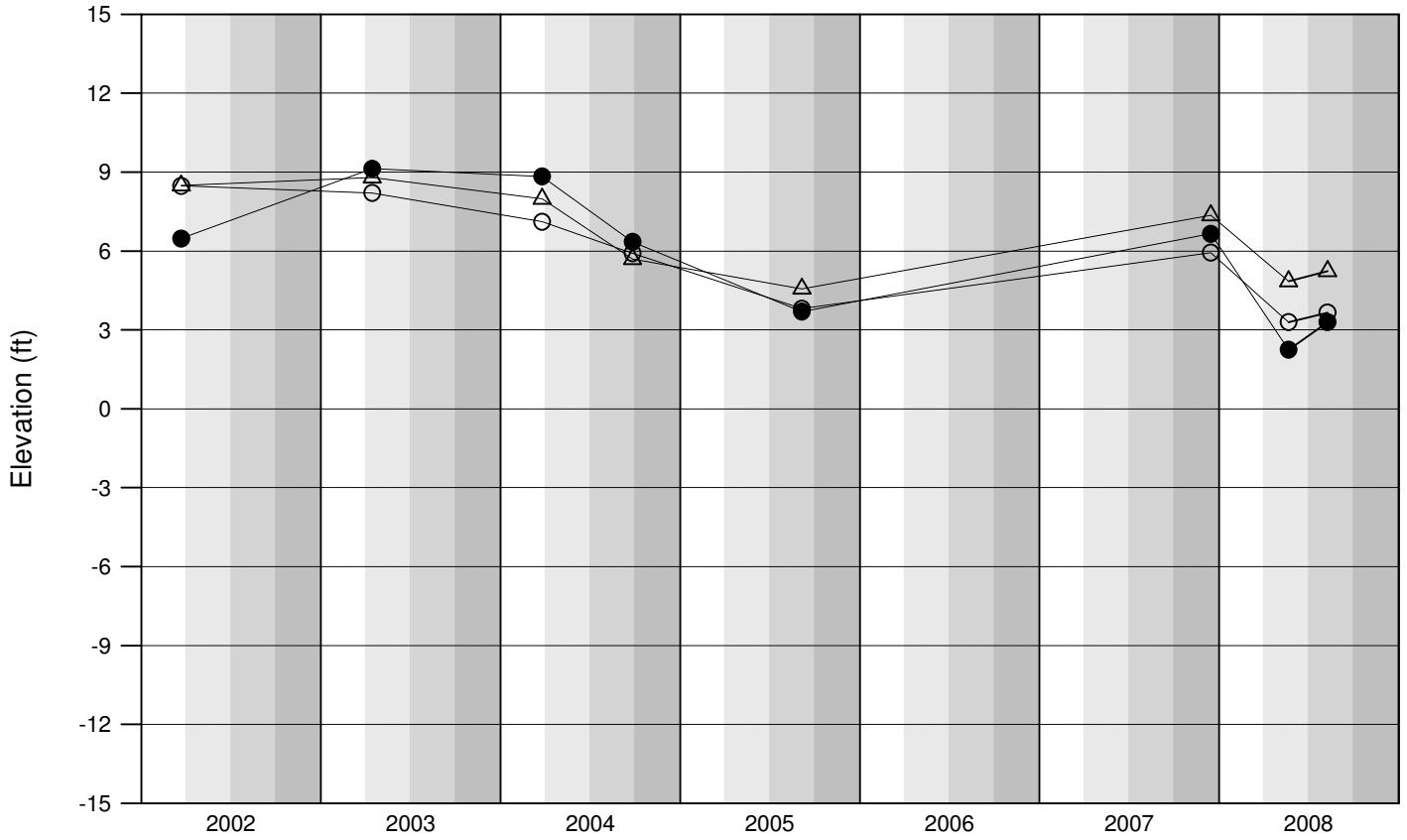
FORMER CITY OF PARIS CLEANERS
3516 ADELINE STREET
OAKLAND, CA

PROJECT NO. 051074	DRAWN BY T.B. 03/ 06/ 08
FILE NO. City of Paris	PREPARED BY T.B.
REVISION NO. 1	REVIEWED BY

WESTERN Resource Management

TABLES

SOURCE	Reference Elevation		SOURCE	Reference Elevation		SOURCE	Reference Elevation	
MW-1 ○	17.44		MW-2 △	17.31		MW-3 ●	17.44	
Dates	Water Depth	Water Elev.	Dates	Water Depth	Water Elev.	Dates	Water Depth	Water Elev.
03/22/2002	8.97	8.47	03/22/2002	8.82	8.49	03/22/2002	10.97	6.47
04/15/2003	9.23	8.21	04/15/2003	8.52	8.79	04/15/2003	8.31	9.13
03/26/2004	10.32	7.12	03/26/2004	9.32	7.99	03/26/2004	8.61	8.83
09/30/2004	11.53	5.91	09/30/2004	11.62	5.69	09/30/2004	11.1	6.34
09/09/2005	13.63	3.81	09/09/2005	12.75	4.56	09/09/2005	13.75	3.69
12/20/2007	11.51	5.93	12/20/2007	9.95	7.36	12/20/2007	10.79	6.65
05/23/2008	14.14	3.3	05/23/2008	12.46	4.85	05/23/2008	15.2	2.24
08/12/2008	13.78	3.66	08/12/2008	12.08	5.23	08/12/2008	14.14	3.3



NOTES:

Table 1

Groundwater Elevation Data

Source Set 1 of 1

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

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

09-11-2008 C:\Documents and Settings\Thomas Ballard\My Documents\WRM\Project Data\City of Paris Cleaners\Chemgraph\Groundwater ele.GWD

		TPH as Stoddard Solvent	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
Units:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL:								
03/22/2002		11000	-	-	-	-	-	<5.0
04/15/2003		3900	-	<2.5	<2.5	<2.5	3	9
03/26/2004		30000	24000	<50	<50	<50	<50	<500
09/30/2004		3800	2600	<0.5	<0.5	<0.5	2.7	<5
09/09/2005		15000	11000	<5	<5	<5	15	<50
12/20/2007		45000	110000	20	50	20	100	<5
05/23/2008		4200	<500	<1.0	<1.0	<1.0	20	<0.50
08/12/2008		4000	12000	<1.0	<1.0	<1.0	<1.0	<0.50

SOURCE: MW-1

Sampling Dates:
03/22/2002 - 08/12/2008

NOTES:

Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 1 of 4

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

Western Resource Management
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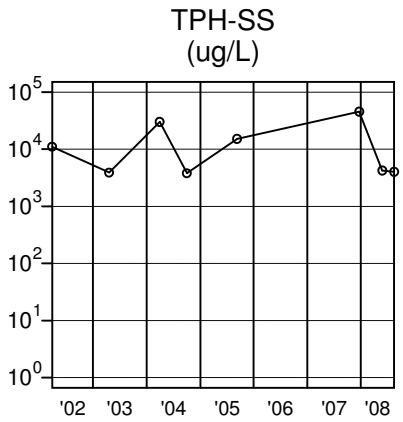
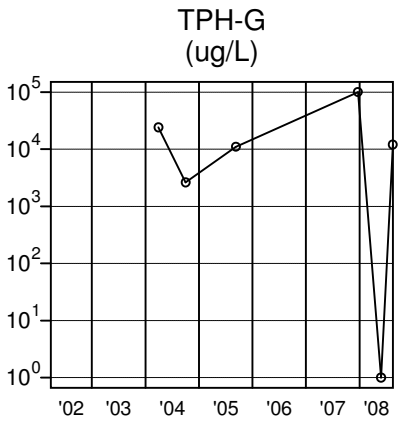
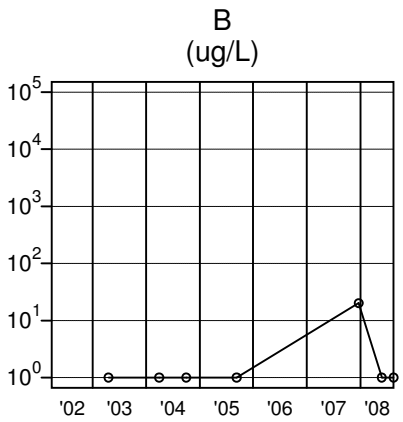
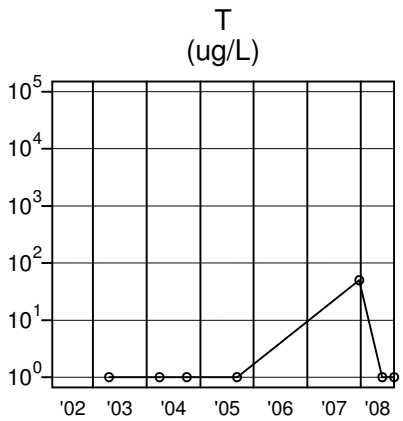
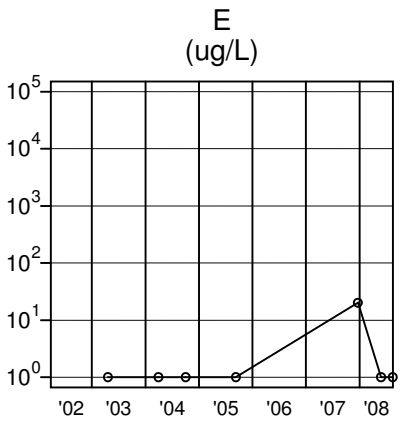
Citrus Heights, CA

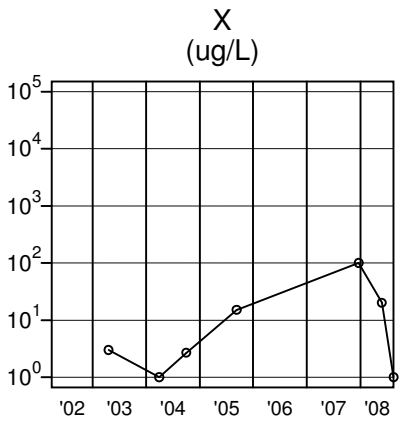


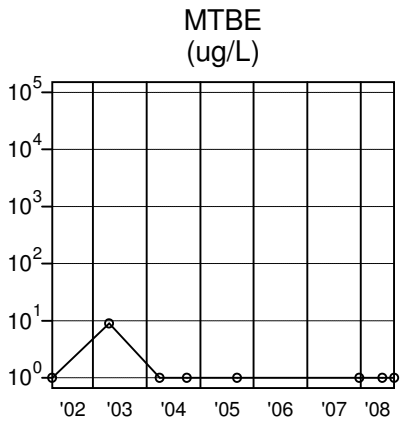












SOURCE: MW-1

Sampling Dates:
03/22/2002 - 08/12/2008

LEGEND:

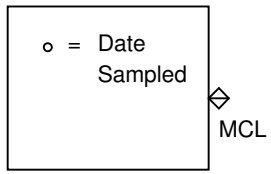


Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 1 of 4, Graph

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

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

09-11-2008 C:\Documents and Settings\Thomas Ballard\My Documents\WRM\Project Data\City of Paris Cleaners\Chemgraph\Petroleum Hydrocarbons.wsf

		TPH as Stoddard Solvent	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
Units:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL:								
03/22/2002		170	13000	410	1000	210	1100	<5.0
04/15/2003		99	-	<0.5	<0.5	<0.5	0.76	10
03/26/2004		120	93	<0.5	<0.5	<0.5	0.76	5.4
09/30/2004		<50	<50	<0.5	<0.5	<0.5	<0.5	<5
09/09/2005		120	98	<0.5	<0.5	<0.5	<0.5	<5
12/20/2007		<50	3000	<1	1.6	<1	2.4	2.9
05/23/2008		300	1100	<1.0	<1.0	<1.0	<1.0	3.5
08/12/2008		2200	350	<1.0	<1.0	<1.0	<1.0	<0.50

SOURCE: MW-2

Sampling Dates:
03/22/2002 - 08/12/2008

NOTES:

Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 2 of 4

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

Western Resource Management
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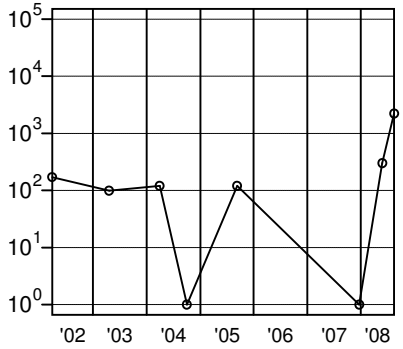
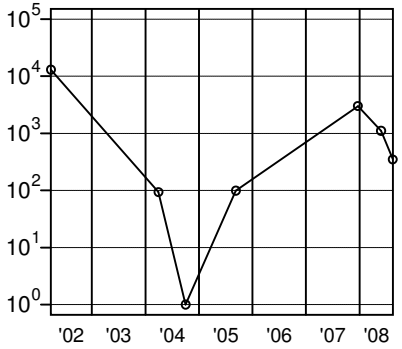
Citrus Heights, CA

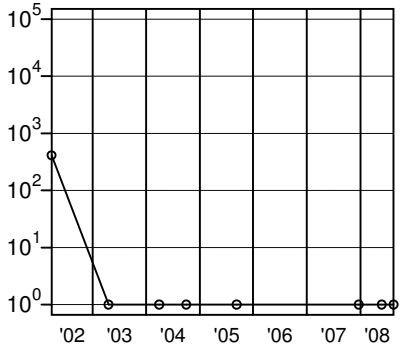
TPH-SS
(ug/L)



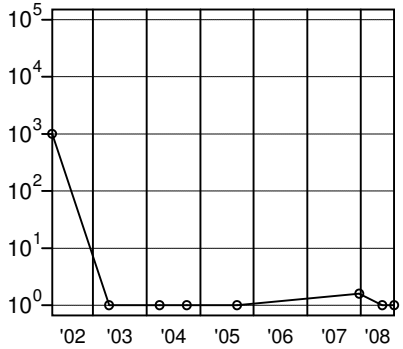
TPH-G
(ug/L)



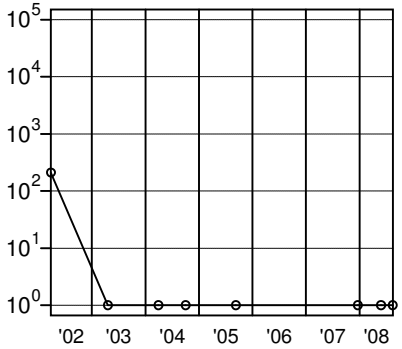
B
(ug/L)



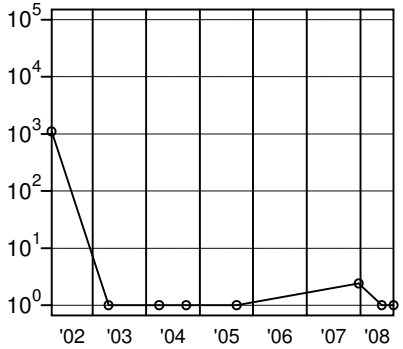
T
(ug/L)



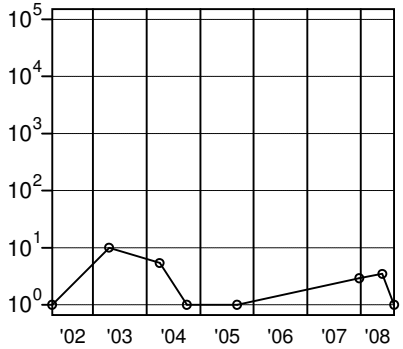
E
(ug/L)



X
(ug/L)



MTBE
(ug/L)



SOURCE: MW-2

Sampling Dates:
03/22/2002 - 08/12/2008

LEGEND:

PARAMETER

o = Date Sampled

MCL

Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 2 of 4, Graph

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

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

		TPH as Stoddard Solvent	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
Units:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL:								
03/22/2002		420	<50	<0.5	<0.5	<0.5	<0.5	31
04/15/2003		2700	-	<0.5	<0.5	<0.5	<0.5	40
03/26/2004		2700	1900	<1.7	<1.7	<1.7	4.3	<17
09/30/2004		3900	2600	<0.5	<0.5	<0.5	3.2	<10
09/09/2005		4000	2600	<0.5	<0.5	0.57	2.7	12
12/20/2007		18000	12000	<1	1.6	1.1	2.4	9.2
05/23/2008		900	3000	<1.0	<1.0	<1.0	<1.0	9.1
08/12/2008		1900	4300	<1.0	<1.0	<1.0	<1.0	6.5

SOURCE: MW-3

Sampling Dates:
03/22/2002 - 08/12/2008

NOTES:

Table 2

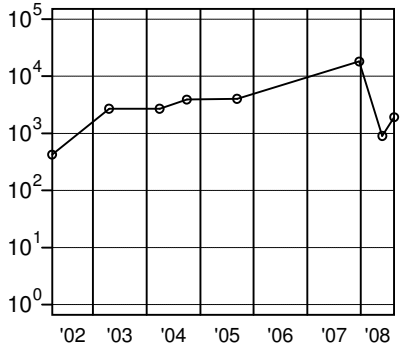
Petroleum Hydrocarbon Concentrations in Groundwater

Source 3 of 4

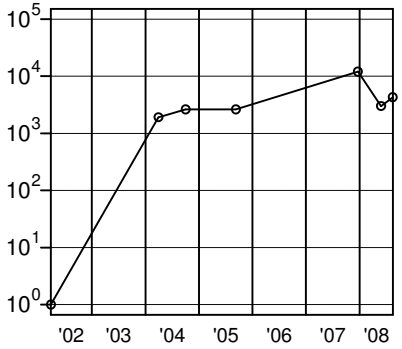
Former City of Paris Cleaners
3516 Adeline Street
Oakland, CA 94608

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

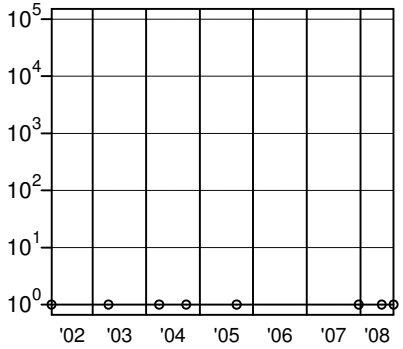
TPH-SS
(ug/L)



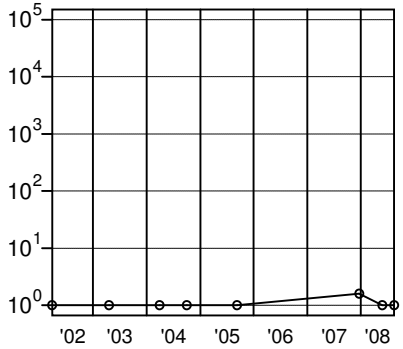
TPH-G
(ug/L)



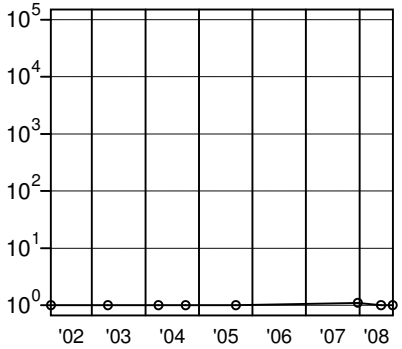
B
(ug/L)



T
(ug/L)



E
(ug/L)



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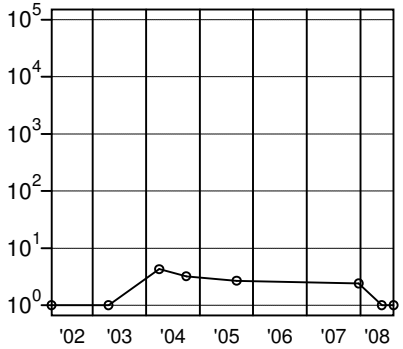
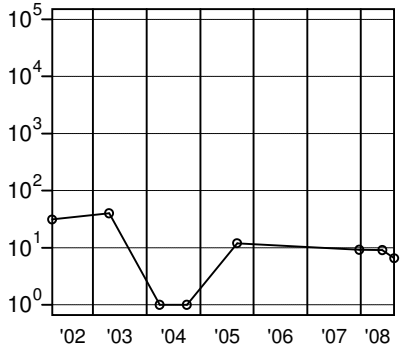
(ug/L)



MTBE
(ug/L)



SOURCE: MW-3

Sampling Dates:
03/22/2002 - 08/12/2008

LEGEND:

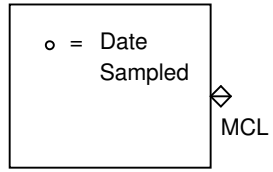


Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 3 of 4, Graph

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

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

		TPH as Stoddard Solvent	TPH as Gasoline	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE
Units:		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL:								
03/22/2002		<50	190	<0.5	<0.5	<0.5	0.80	<5.0
04/15/2003		-	-	-	-	-	-	-
03/26/2004		500	200	<0.5	<0.5	<0.5	<0.5	<5
09/30/2004		<50	<50	<0.5	<0.5	<0.5	<0.5	<5
09/09/2005		<50	<50	<0.5	<0.5	<0.5	<0.5	<5
12/20/2007		<50	500	<1	1	<1	2.2	<.50
05/23/2008		300	250	<1.0	3.7	<1.0	2.4	<0.50
08/12/2008		<50.0	<50.0	<1.0	<1.0	<1.0	<1.0	<0.50

SOURCE: W-IND

Sampling Dates:
03/22/2002 - 08/12/2008

NOTES:

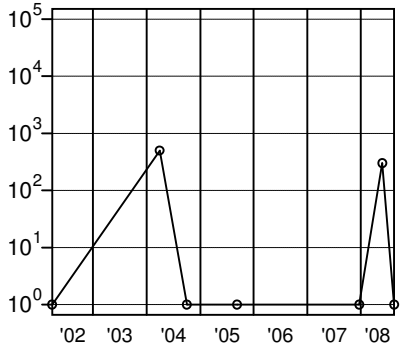
Table 2

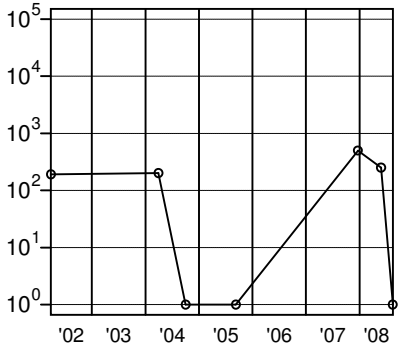
Petroleum Hydrocarbon Concentrations in Groundwater

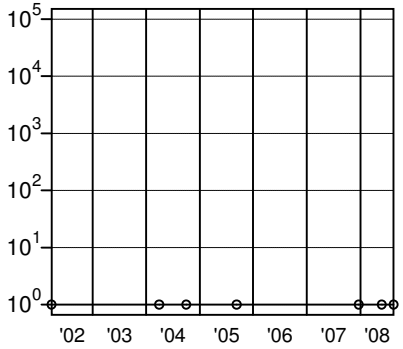
Source 4 of 4

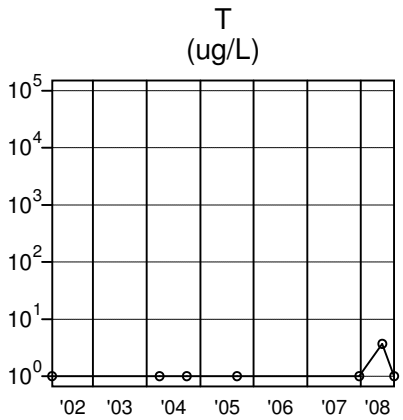
Former City of Paris Cleaners
3516 Adeline Street
Oakland, CA 94608

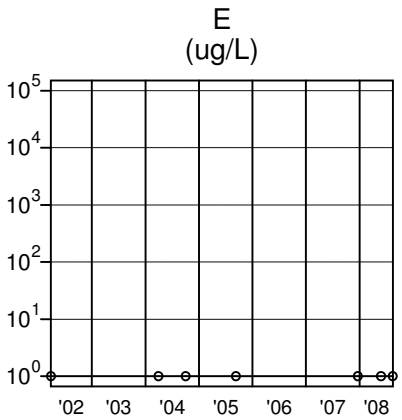
Western Resource Management
P.O. Box 8938
Citrus Heights, CA

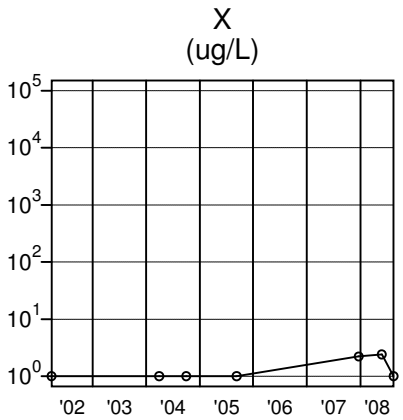


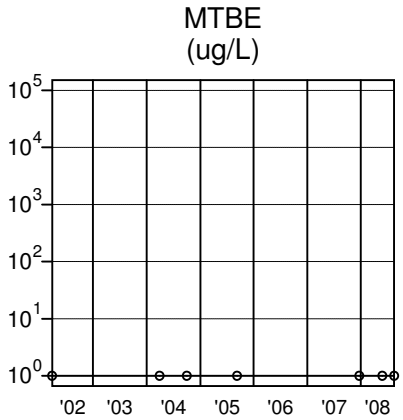












SOURCE: W-IND

Sampling Dates:
03/22/2002 - 08/12/2008

LEGEND:

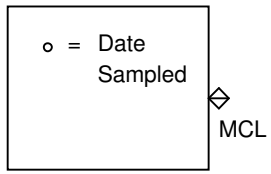


Table 2

Petroleum Hydrocarbon Concentrations in Groundwater

Source 4 of 4, Graph

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

Western Resource Management
P.O. Box 8938
Citrus Heights, CA

09-11-2008 C:\Documents and Settings\Thomas Ballard\My Documents\WRM\Project Data\City of Paris Cleaners\Chemgraph\Petroleum Hydrocarbons.wsf

APPENDIX A
FIELD DATA SHEETS

Sparger Technology, Inc.
Environmental Laboratories

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

COC # / Lab No. _____

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): **Tom Ballard (to email address's)**

California EDF Report? ☑ Yes ☐ No

Company / Address: **P.O. Box 8938, Citrus Heights, Ca 95621**

Sampling Company Log Code: **WRMC**

Global ID: **T0600100379**

Phone #: **916-729-1760** Fax #: **916-313-3439**

EDF Deliverable To (Email Address): **EDF@WesternResourceMgmt.com**

Project #: **51074** P.O. #:

please email a copy to: **SNesseler@WesternResourceMgmt.com**

Project Name: **GMR_CityOfParis**

Sampler Signature:

Project Address: **3514 Adeline St. Oakland, CA**

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	Analysis Request: MTBE|BTEX (EPA 8260B)	Analysis Request: TPH Gas (EPA 8015)	Analysis Request: 5 Oxygenates (EPA 8260B)	Analysis Request: Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Analysis Request: Volatile Organics Full List (EPA 8260B)	Analysis Request: TPH as Diesel (EPA 8015M)	Analysis Request: TPH as Motor Oil (EPA 8015M)	Analysis Request: Total Lead (EPA 6010)	Analysis Request: W.E.T. Lead (STLC)	Analysis Request: TPH-SS Stoddard Solvents	Analysis Request: Chromatagrams	TAT: 1 wk
MW-1	MW-1	8-12-08	8:45	4			X		X						X	X								X	X	
MW-2	MW-2	"	8:50	1			1		1						X	X								X	X	
MW-3	MW-3	"	9:20	1			1		1						X	X								X	X	
W-IND	W-IND	"	10:00	1			1		1						X	X								X		

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

Relinquished by:	Date	Time	Received by:
	8-14-08	14:40	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks:

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

EXAMPLE:
2008_08_23_GMR_CityOfParis_18495

Bill to: Accounting@WesternResourceMgmt.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

DOULOS ENVIRONMENTAL, INC.
Groundwater/Liquid Level Data
(Measurements in feet)

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

Date: 8-12-08

Project:

Recorded by: Jerry

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW-1	8:05		13.78	27.03				
MW-2	8:08		12.08	29.36				
MW-3	8:11		14.14	29.48				
W-IND	8:15		13.42	32.85				

Notes:

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Western Resources Management Sampling Date: 8/12/98

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	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): /

Well cover type: 8" or 12" UV _____ 12" EMCO _____ (8" or 12") BK X 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 X Fair _____ Poor _____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump

_____ 2" PVC bailer _____ Dedicated bailer

_____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing _____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 8:05

Depth of well: 27.07

Depth to water: 13.58

Recharge Measurement

Time: 8:20

Depth to water: 14.60

Calculated purge: 6.3

Actual purge: 7.0

Start purge: 8:20 Sampling time: 8:45

Time	Temperature	E.C.	pH	Turbidity	Volume
8:21	19.4	1363	6.51		1
8:22	19.1	1394	6.49		2
8:23	19.1	1408	6.47		3

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: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Western Resources Management Sampling Date: 8-12-04

Site: Former City of Paris Cleaners Project No.: _____

3516 Adeline Street Well Designation: mw-2

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): 0

Well cover type: 8" or 12" UV _____ 12" EMCO _____ (8" or 12" BK) X 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 X Fair _____ Poor _____

Purging Equipment:
_____ 2" disposable bailer
_____ 2" PVC bailer
_____ 4" PVC bailer
_____ Submersible pump
_____ Dedicated bailer
X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing _____

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

Initial Measurement
Time: 808
Depth of well: 29.36
Depth to water: 12.08

Recharge Measurement
Time: 8:49
Depth to water: 13.33

Calculated purge: 8.2
Actual purge: 8.5

Start purge: 8:30 Sampling time: 8:50

Time	Temperature	E.C.	pH	Turbidity	Volume
831	19.4	1647	7.21		1
832	19.2	1654	7.17		2
833	19.2	1663	7.09		3

Sample appearance: clear Lock: Master

Equipment replaced: (check all that apply)
2" Locking Cap: _____
4" Locking Cap: _____
6" Locking Cap: _____
Lock: _____
Lock-Dolphin: _____

Note condition of replaced item(s)
7/32 Allenhead: _____
9/16 Bolt: _____
Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Western Resources Management Sampling Date: 8-12-08

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): 4
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 _____Dedicated bailer
_____4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer _____ Teflon bailer _____ Disposable Tubing_____

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

Initial Measurement
Time: 8:08
Depth of well: 29.48
Depth to water: 14.14

Recharge Measurement
Time: 918
Depth to water: 14.97

Calculated purge: 5.3
Actual purge: 8.0

Start purge: 8:57 Sampling time: 9:20

Time	Temperature	E.C.	pH	Turbidity	Volume
858	20.3	1631	6.91		1
459	20.1	1682	6.89		2
900	20.1	1694	6.63		3

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: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Western Resources Management Sampling Date: 8/12.02

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 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): 2
Well cover type: 8" or 12" UV_____ 12" EMCO_____ (8" or 12" BK X 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 X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

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: 8:15 Time: 1258 Calculated purge: 9.3
Depth of well: 32.85 Depth to water: 19.73 Actual purge: 9.5
Depth to water: 13.42

Start purge: 9:30 Sampling time: 10:00

Time	Temperature	E.C.	pH	Turbidity	Volume
931	20.0	1101	7.91		
932	19.9	1084	7.68		
933	19.7	1073	7.64		

Sample appearance: _____ Lock: _____

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: _____

APPENDIX B
LABORATORY REPORTS

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Tom Ballard
Western Resource Management
P.O. Box 8738
Citrus Heights, CA 95621

Client	Western Resource Management
Workorder	18571 GMR_CityOfParis
Received	08/14/08

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

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

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

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

Ray James
Laboratory Director

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

Tom Ballard
Western Resource Management
P.O. Box 8738
Citrus Heights, CA 95621

Workorder 18571

Enclosed are the results from samples received on August 14, 2008.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18571001	MW-1, Water	08/12/08	8015B TPHd 8015B TPHgas 8260B BTEX/FOCs
18571002	MW-2, Water	08/12/08	8015B TPHd 8015B TPHgas 8260B BTEX/FOCs
18571003	MW-3, Water	08/12/08	8015B TPHd 8015B TPHgas 8260B BTEX/FOCs
18571004	W-IND, Water	08/12/08	8015B TPHd 8015B TPHgas 8260B BTEX/FOCs

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Western Resource Management
Workorder # 18571 **Workorder ID** GMR_CityOfParis

Laboratory ID 18571001 **Sampled** 08/12/08
Sample ID MW-1 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TPHd**	**08/19/08**	**08/20/08**	**4000**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18571001 **Sampled** 08/12/08
Sample ID MW-1 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/13/08**	**08/13/08**	**12000**	**50**	**ug/L**	**1:1**

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

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

Laboratory ID 18571001 **Sampled** 08/12/08
Sample ID MW-1 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/14/08	08/14/08	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID Western Resource Management
Workorder # 18571 **Workorder ID** GMR_CityOfParis

Laboratory ID 18571001 **Sampled** 08/12/08
Sample ID MW-1 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8260B Oxygenates (continued)

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Toluene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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

Laboratory ID 18571002 **Sampled** 08/12/08
Sample ID MW-2 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TPHd**	**08/19/08**	**08/20/08**	**2200**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18571002 **Sampled** 08/12/08
Sample ID MW-2 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/13/08**	**08/13/08**	**350**	**50**	**ug/L**	**1:1**

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

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Test Certificate of Analysis

Client ID	Western Resource Management	**Workorder ID**	GMR_CityOfParis
Workorder #	18571	**Sampled**	08/12/08
Laboratory ID	18571002	**Received**	08/14/08
Sample ID	MW-2	**Reported**	08/25/08
Matrix	Water		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	6.8 ug/L	34 %	(65 - 135)

Laboratory ID	18571002	**Sampled**	08/12/08
Sample ID	MW-2	**Received**	08/14/08
Matrix	Water	**Reported**	08/25/08

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/14/08	08/14/08	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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

Laboratory ID	18571003	**Sampled**	08/12/08
Sample ID	MW-3	**Received**	08/14/08
Matrix	Water	**Reported**	08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TPHd**	**08/19/08**	**08/20/08**	**1900**	**50.0**	**ug/L**	**1:1**

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Test Certificate of Analysis

Client ID Western Resource Management
Workorder # 18571 **Workorder ID** GMR_CityOfParis

Laboratory ID 18571003 **Sampled** 08/12/08
Sample ID MW-3 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/13/08**	**08/13/08**	**4300**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	17 ug/L	85 %	(65 - 135)

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

Laboratory ID 18571003 **Sampled** 08/12/08
Sample ID MW-3 **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	**8260B BTEX/FOC**	**08/14/08**	**08/14/08**	**6.5**	**0.50**	**ug/L**	**1:1**
Benzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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

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Test Certificate of Analysis

Client ID Western Resource Management
Workorder # 18571 **Workorder ID** GMR_CityOfParis

Laboratory ID 18571004 **Sampled** 08/12/08
Sample ID W-IND **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TPHd	08/19/08	08/20/08	ND	50.0	ug/L	1:1

Laboratory ID 18571004 **Sampled** 08/12/08
Sample ID W-IND **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/13/08	08/13/08	ND	50	ug/L	1:1

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

Laboratory ID 18571004 **Sampled** 08/12/08
Sample ID W-IND **Received** 08/14/08
Matrix Water **Reported** 08/25/08

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/14/08	08/14/08	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Western Resource Management	**Workorder ID**	GMR_CityOfParis
Workorder #	18571	**Sampled**	08/12/08
Laboratory ID	18571004	**Received**	08/14/08
Sample ID	W-IND	**Reported**	08/25/08
Matrix	Water		

8260B Oxygenates - 8260B BTEX/FOCs (continued)

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	47 ug/L	94 %	(65 - 135)

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Method Blank Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87319
Sample ID MB for HBN 351377 [VGXV/2945]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/13/08	08/13/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	20 ug/L	100 %	(70 - 130)

Lab Control Sample Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87320
Sample ID LCS for HBN 351377 [VGXV/2945]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/13/08	08/13/08	900	50	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87321
Sample ID LCSD for HBN 351377 [VGXV/2945
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/13/08	08/13/08	1000	50	ug/L	1:1

Matrix Spike Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87322
Sample ID MS for HBN 351377 [VGXV/2945]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Matrix Spike Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87322
Sample ID MS for HBN 351377 [VGXV/2945]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHgas	8015B TPHgas	08/13/08	08/13/08	884	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87323
Sample ID MSD for HBN 351377 [VGXV/2945]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/13/08	08/13/08	886	50	ug/L	1:1

Method Blank Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87363
Sample ID MB for HBN 351560 [VMXV/3037]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOCs	08/14/08	08/14/08	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOCs	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOCs	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOCs	08/14/08	08/14/08	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOCs	08/14/08	08/14/08	ND	1.0	ug/L	1:1

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

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Lab Control Sample Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87364
Sample ID LCS for HBN 351560 [VMXV/3037]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOCs	08/14/08	08/14/08	46	0.50	ug/L	1:1
Benzene	8260B BTEX/FOCs	08/14/08	08/14/08	46	1.0	ug/L	1:1
Toluene	8260B BTEX/FOCs	08/14/08	08/14/08	46	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOCs	08/14/08	08/14/08	51	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOCs	08/14/08	08/14/08	154	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87365
Sample ID LCSD for HBN 351560 [VMXV/3037
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOCs	08/14/08	08/14/08	46	0.50	ug/L	1:1
Benzene	8260B BTEX/FOCs	08/14/08	08/14/08	49	1.0	ug/L	1:1
Toluene	8260B BTEX/FOCs	08/14/08	08/14/08	49	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOCs	08/14/08	08/14/08	54	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOCs	08/14/08	08/14/08	162	1.0	ug/L	1:1

Matrix Spike Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87366
Sample ID MS for HBN 351560 [VMXV/3037]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOCs	08/14/08	08/14/08	53	0.50	ug/L	1:1
Benzene	8260B BTEX/FOCs	08/14/08	08/14/08	42	1.0	ug/L	1:1
Toluene	8260B BTEX/FOCs	08/14/08	08/14/08	41	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOCs	08/14/08	08/14/08	46	1.0	ug/L	1:1

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Matrix Spike Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87366
Sample ID MS for HBN 351560 [VMXV/3037]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Xylene,Total	8260B BTEX/FOCs	08/14/08	08/14/08	137	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
Laboratory ID 87367
Sample ID MSD for HBN 351560 [VMXV/3037]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOCs	08/14/08	08/14/08	66	0.50	ug/L	1:1
Benzene	8260B BTEX/FOCs	08/14/08	08/14/08	50	1.0	ug/L	1:1
Toluene	8260B BTEX/FOCs	08/14/08	08/14/08	50	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOCs	08/14/08	08/14/08	52	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOCs	08/14/08	08/14/08	156	1.0	ug/L	1:1

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QC SUMMARY

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
QC Batch VGX 3065
Matrix Water
Original Samples 18564001
Matrix Spike [87322]
Matrix Spike Duplicate [87323]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	88	89	(65-135)	1.1	(20 MAX)

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
QC Batch VMX 3080
Matrix Water
Original Samples 18564001
Matrix Spike [87366]
Matrix Spike Duplicate [87367]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	66	92	(65-135)	33	(20 MAX)
Benzene	84	100	(65-135)	17	(20 MAX)
Toluene	82	100	(65-135)	20	(20 MAX)
Ethylbenzene	92	104	(65-135)	12	(20 MAX)
Xylene,Total	91	104	(65-135)	13	(20 MAX)

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
QC Batch VGX 3065
Matrix Water
Samples Lab Control Sample [87320]
Lab Control Sample Duplicate [87321]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	90	100	(65-135)	11	(20 MAX)

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
QC Batch VMX 3080
Matrix Water
Samples Lab Control Sample [87364]
Lab Control Sample Duplicate [87365]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits

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QC SUMMARY

Client ID Western Resource Management
Workorder ID GMR_CityOfParis
QC Batch VMX 3080
Matrix Water

Samples Lab Control Sample [87364]
Lab Control Sample Duplicate [87365]
(continued)

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	92	92	(65-135)	00	(20 MAX)
Benzene	92	98	(65-135)	6.3	(20 MAX)
Toluene	92	98	(65-135)	6.3	(20 MAX)
Ethylbenzene	102	108	(65-135)	5.7	(20 MAX)
Xylene,Total	103	108	(65-135)	4.7	(20 MAX)

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