Paulette Satterley
14601 Guadalupe Dr.
Rancho Murieta, Ca 95683
Telephone 916-768-2003

November 30, 2009

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

Re: Fuel Leak Case No: RO0000133

Enclosed please find the Semi Annual 2009 Groundwater Monitoring Report for the former City of Paris Cleaners site located at 3516 Adeline Street, Oakland, CA 94608 and dated November 30, 2009. 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

Paulette Satterley

SECOND SEMIANNUAL MONITORING REPORT 2009

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

USTCF Claim #002192

Prepared For:

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

Prepared By:

Taber Consultants
3911 West Capitol Avenue
West Sacramento, CA 95691

Project # 051074

November 25, 2009

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Since 1954

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1.0 INTRODUCTION

1.1 Project Description

On behalf of the responsible party, Taber Consultants has prepared this *Second Semiannual Monitoring Report 2009* for submittal to the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and Alameda County Health Care Services Agency (ACHSA). The scope of work conducted during this project complies with existing SFBRWQCB and ACHSA directive letters.

1.2 Site Location and Description

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

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

1.3 Chronological Site History and Previous Subsurface Investigations

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

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

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

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

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

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

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

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

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

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

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

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

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

2.0 GROUNDWATER MONITORING, SAMPLING, AND ANALYSIS

On August 11, 2009, to comply with semiannual groundwater monitoring requirements, Taber gauged and sampled on-site groundwater monitoring wells MW-1 through MW-3. An on-site industrial well (W-IND) was also monitored and sampled this period.

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 13.00 feet below ground surface (bgs) in MW-2 to 15.22 in MW-3. Groundwater surface elevations ranged from a high of 4.31 feet above mean sea level (amsl) in MW-2 to a low of 2.22 feet amsl at MW-3. The direction of groundwater flow is to the northeast at a gradient of 0.109 feet per foot. A groundwater surface contour map is included as Figure 3 and groundwater elevation data are summarized in Tables 1 and 2. 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) and Total Petroleum Hydrocarbons as gasoline (TPH-G) by EPA Method 8015B, benzene, toluene, ethyl benzene and xylenes (BTEX), and oxygenate methyl tertiary butyl ether (MtBE) by EPA Method 8260B.

TPH-SS was detected in groundwater samples collected from MW-1, MW-2 and MW-3 at 13,000, 600 and 1,000 µg/l, respectively. TPH-G was detected in groundwater samples collected from MW-1, MW-2 and MW-3 at 7,800, 610 and 2,200 µg/l, respectively. MtBE was detected in groundwater samples collected from MW-1, MW-2 and MW-3 at 5.9, 3.8 and 7.3 µg/l, respectively. BTEX concentrations were below minimum laboratory detection limits in all wells sampled. 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 Tables 1 and 2 and the laboratory reports, notes, and comments are included in Appendix B.

2.3 Non-Purge Results Comparison

Taber used the HydraSleeve® to obtain no-purge samples. The HydraSleeve® is lowered into the well, allowed to equilibrate, then carefully retrieved from the well. Taber 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).

Taber compared analytical results from non-purge samples from wells MW-1 and MW-3 to analytical results of samples obtained with the standard purging protocol. TPH-SS was detected from groundwater samples collected from both MW-1 and MW-3 at 6,000 and 3,000 µg/l, respectively. TPH-G was detected from groundwater samples collected from both MW-1 and MW-3 at 10,000 and 6,700 µg/l, respectively. All other tested analytes were below laboratory detection limits. MtBE was not detected in non-purged samples but detected up to 7.3 µg/l in purged samples.

Purge/No Purge Analytical Comparison

	MW-1		MW-3	
Sampling Method	TPH-SS µg/l	TPH-G µg/l	TPH-SS µg/l	TPH-G µg/l
No Purge	6000	10000	3000	6700
Purge	13000	7800	1000	2200
No Purge - Purge	-7000	+2200	+2000	+4700

3.0 SCHEDULE OF UPCOMING ACTIVITIES

On behalf of Ms. Paulette Satterley, Taber has been directed by the ACHCSA to perform further site characterization and site monitoring. Taber is preparing a Continuing Site Investigation Work Plan for The City of Paris Cleaners that will improve understanding of soil and groundwater impacts at the site. Site investigation history, further site investigation and the wellhead elevation resurvey will form the basis for the Site Conceptual Model. Upon approval of the Work Plan by ACHCSA, Taber will obtain necessary permits and perform the necessary work at The City of Paris Cleaners site.

In March, 2010, Taber will gather monitoring data for the First Semiannual Groundwater Monitoring Report for 2010. Taber will compile that monitoring data with historical data to evaluate trends at the site in order to plan remedial activities with 60 days of obtaining the samples.

4.0 CONCLUSIONS AND RECOMMENDATIONS

During August 2009, TPH-G concentrations were elevated in MW-1, MW-2 and MW-3 and TPH-SS concentrations were elevated in MW-1 and MW-2, relative to February 2009. TPH-SS decreased in concentration in MW-3 this quarter. All tested analytes remained below minimum laboratory detection limits in W-IND.

Between February 19, 2009 and August 11, 2009, TPH-SS concentrations increased by 12,500 µg/l in MW-1 and by 300 µg/l in MW-2, while concentrations decreased by 500 µg/l in MW-2. TPH-G concentrations increased by 4,700 µg/l in MW-1, 310 µg/l in MW-2, and 900 µg/l in MW-3. Well MW-1 continues to contain highest concentrations as well as highest concentration fluctuations. MtBE concentrations increased slightly (less than 6 µg/) in MW-1 and MW-2, and decreased in MW-3.

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.

Taber has noted anomalously steep gradients at the site and believes there may be issues with the wells resulting from the 2002 well redevelopment. The ACHCSA agreed in their March 10, 2009, letter that re-surveying the wells is necessary. Once Taber has had the wells resurveyed, additional steps may be necessary including well swabbing and an additional redevelopment to clear out any sediment blockages.

Taber recommends the use of the HydraSleeve® no-purge sampling method at the site because the method produces less disturbance in the well and generates less uncertainty with respect to concentration trends in the impacted groundwater. The no-purge sampling protocol also provides a safer alternative to purging when small children reside at the site. Detailed documentation on the HydraSleeve® sampling protocols have been provided to ACHSA.

5.0 REPORT DISTRIBUTION

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

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

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

6.0 REMARKS AND SIGNATURE

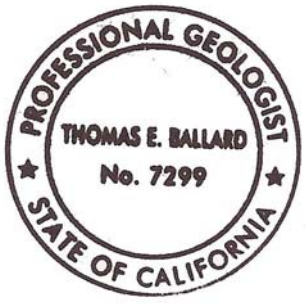
The interpretations and/or conclusions contained in this report represent our professional opinions and are based in part on information supplied by the client. These opinions are based on currently available information and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices 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,

Taber Consultants

Ellen Pyatt, MSc.
Project Geologist



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

FIGURES

Taber
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N

Scale: 1:24,000

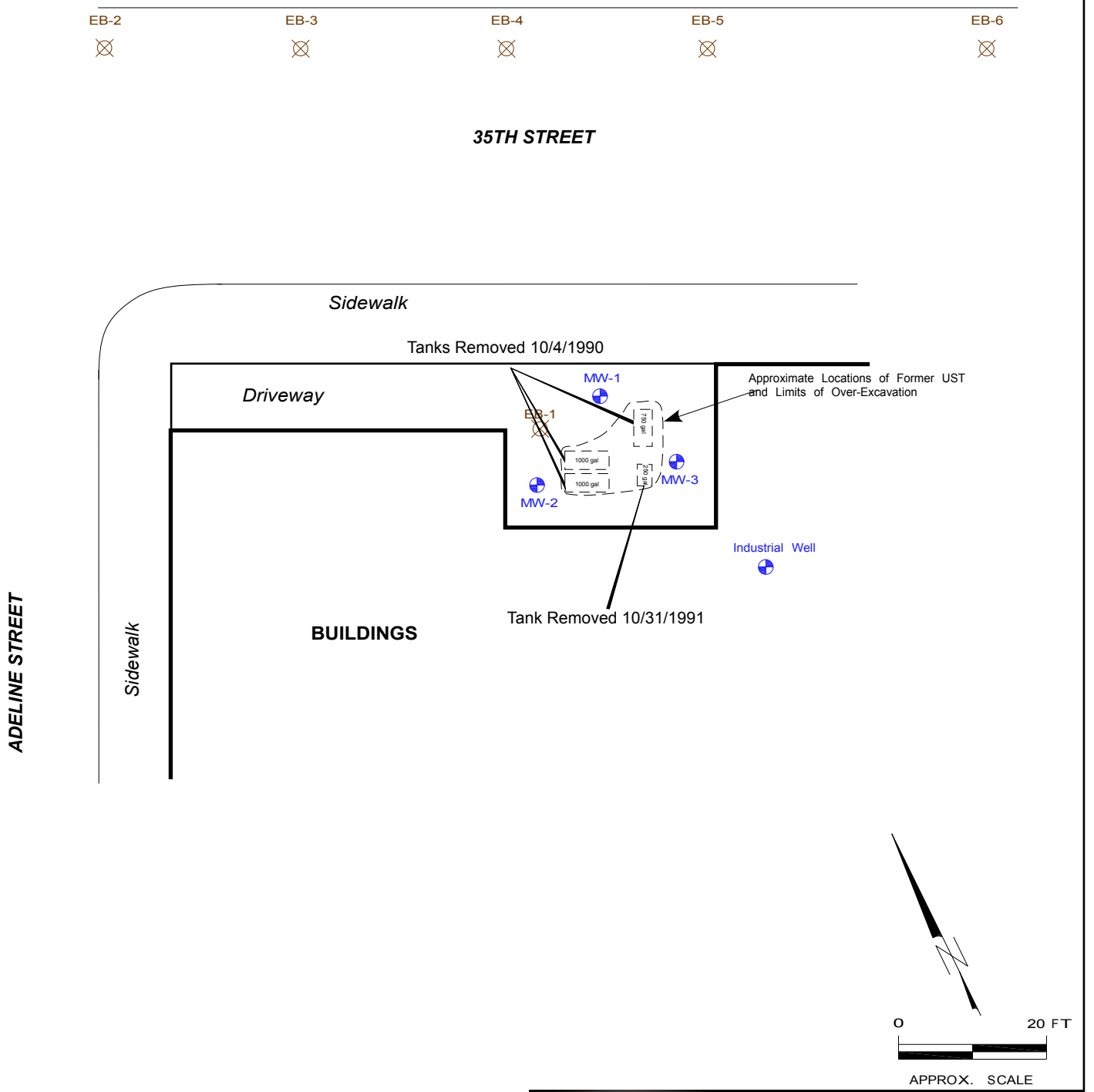
Source:
USGS West Oakland Quadrangle Topographic Map Report, 7.5 Minute Series (topgraphic), dated 1993

Former City of Paris Cleaners

3516 Adeline Street
Oakland, California

Site Location Map

051074	February 19, 2009	Figure - 1



LEGEND

- MW-1 GROUNDWATER MONITORING WELL
- EB-1 SOIL BORING (1998)
- APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

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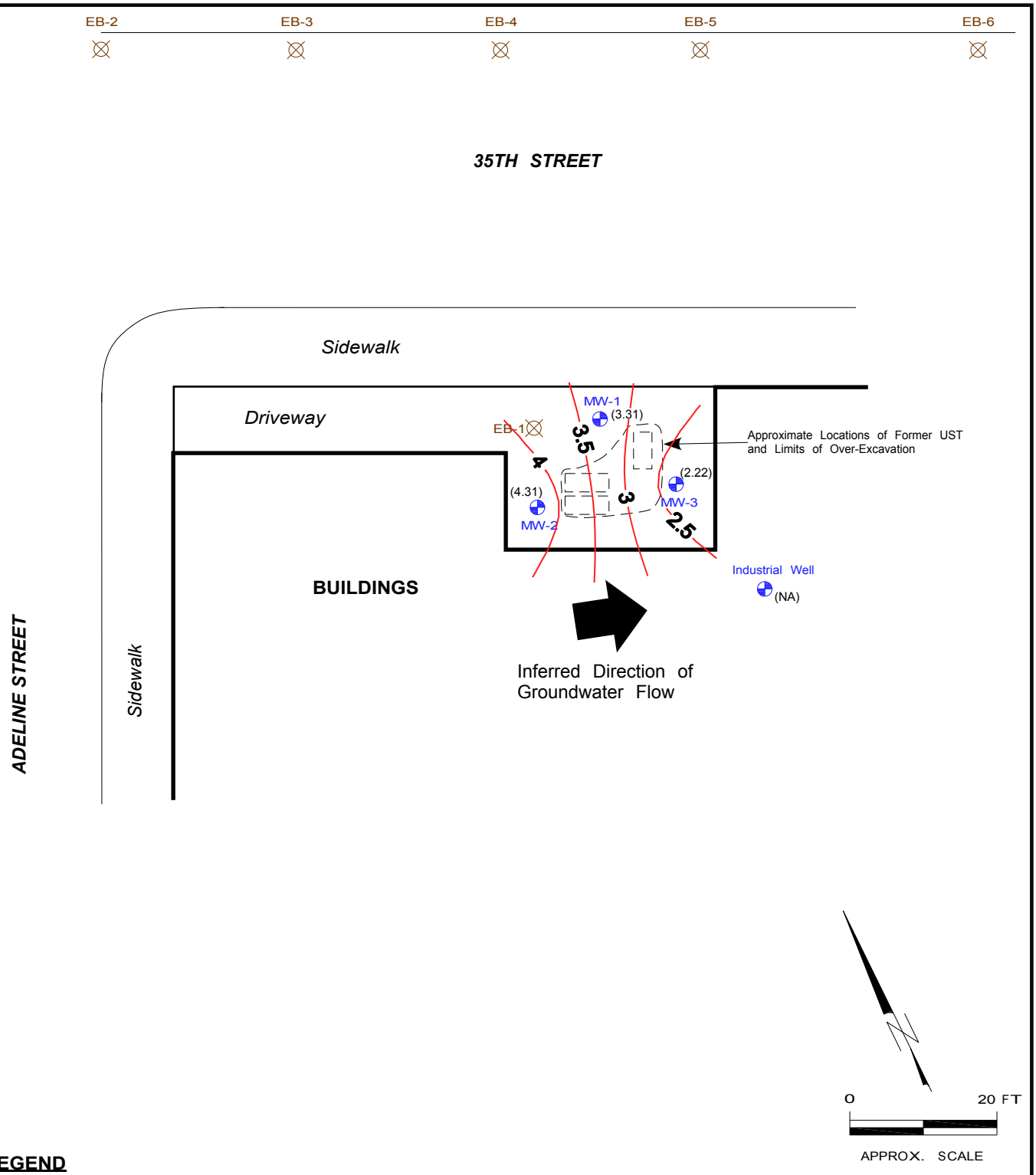
Former City of Paris Cleaners

3516 ADELINE STREET
OAKLAND, CA

Site Map

051074	November 4, 2009	Figure No. 2



0 20 FT

APPROX. SCALE

LEGEND

EB-1 SOIL BORING (1998)

MW-1 GROUNDWATER MONITORING WELL

GROUNDWATER CONTOUR

(3.30) GROUNDWATER ELEVATION (FT AMSL)

NA = GROUNDWATER ELEVATION NOT USED IN CONTOUR CONSTRUCTION

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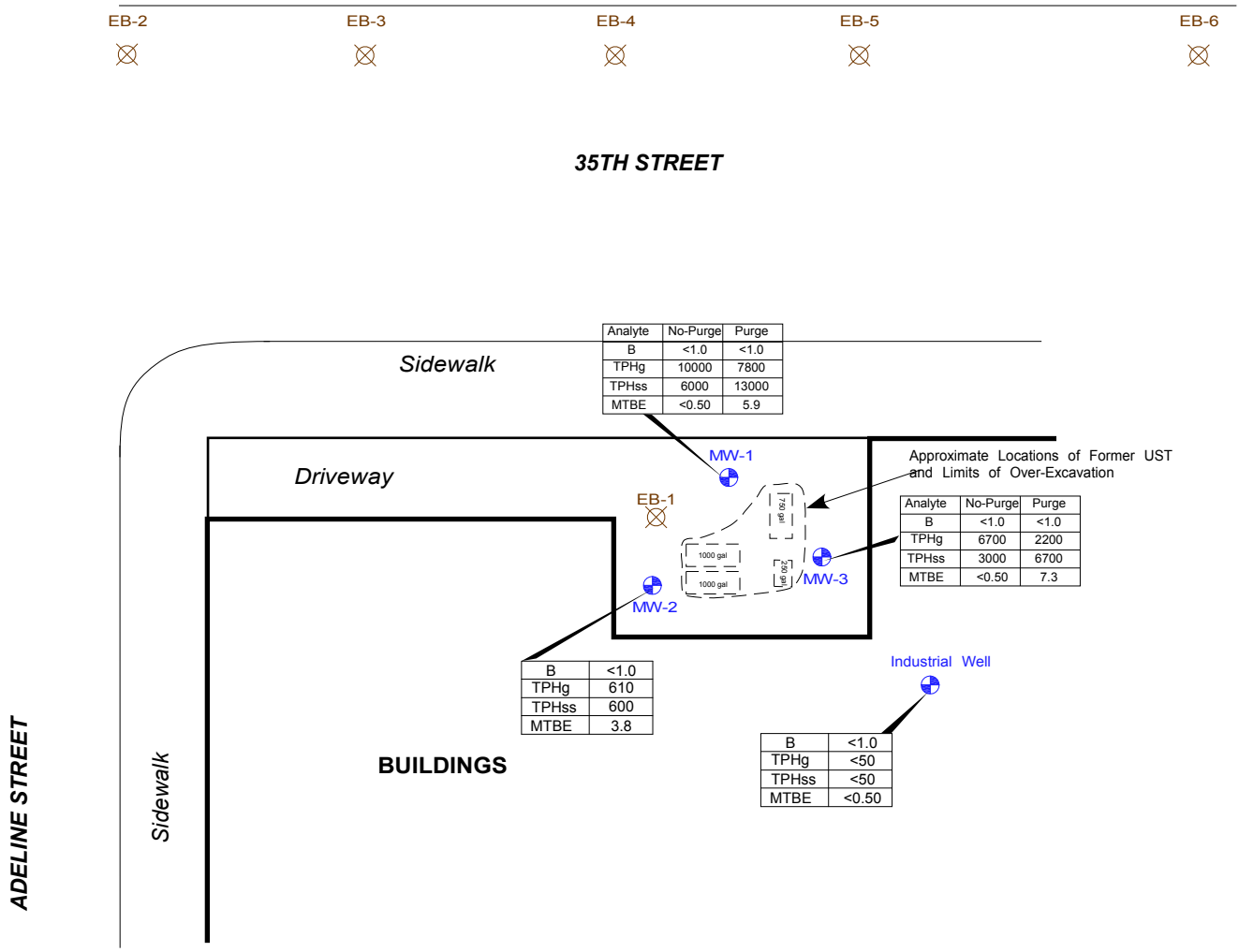
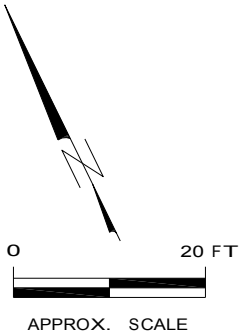
Former City of Paris Cleaners

3516 Adeline Street
Oakland, California

Groundwater Elevations

051074	August 11, 2009	Figure - 3





LEGEND

MW-1 GROUNDWATER MONITORING WELL

EB-1 SOIL BORING (1998)

250 gal APPROXIMATE UNDERGROUND STORAGE TANK LOCATIONS

B	<1.0
TPHg	250
TPHss	300
MTBE	<0.50

BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/ L)

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/ L

TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT IN ug/ L

METHYL TERTIARY BUTYL ETHER IN ug/ L

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

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Former City of Paris Cleaners

3516 ADELINE STREET
OAKLAND, CA

Analytical Summary

051074	August 11, 2009	Figure No. 4

TABLES

TABLE 1
GROUNDWATER MONITORING AND ANALYTICAL RESULTS
CURRENT QUARTER
City of Paris Cleaners
3516 Adeline Street, Oakland, California 94608

		Monitoring Summary			Analytical Summary						
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		← ft bgs →			← ug/l →						
Groundwater Sample Locations											
MW-1	08/11/09	17.44	13.35	4.09	**13000**	**7800**	<10	<10	<10	<10	**5.9**
MW-1 NP	*8/11/2009*	*17.44*	*13.35*	*4.09*	***6000***	***10000***	*<10*	*<10*	*<10*	*<10*	*<5*
MW-2	08/11/09	17.31	13.00	4.31	**600**	**610**	<1	<1	<1	<1	**3.8**
MW-3	08/11/09	17.44	15.22	2.22	**1000**	**2200**	<10	<10	<10	<10	**7.3**
MW-3 NP	*8/11/2009*	*17.44*	*15.22*	*2.22*	***3000***	***6700***	*<10*	*<10*	*<10*	*<10*	*<5*
W-IND	08/11/09	NA	14.13	--	<50	<50	<1	<1	<1	<1	<0.5

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

fbg = Feet below grade.
NA = Data not available
<n = Below laboratory detection limit of n ppm.
-- = not analyzed
8/11/2009 Taber Consultants implement No-Purge Sampling in MW1 and MW3

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

		Monitoring Summary			Analytical Summary						
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		← ft bgs →			← ug/l →						
Groundwater Sample Locations											
MW-1	11/18/1992	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
MW-1	3/22/2002	17.44	8.97	8.47	**11000**	--	--	--	--	--	<5.0
MW-1	4/15/2003	17.44	9.23	8.21	**3900**	--	<2.5	<2.5	<2.5	**3**	**9**
MW-1	3/26/2004	17.44	10.32	7.12	**30000**	**24000**	<50	<50	<50	<50	<500
MW-1	9/30/2004	17.44	11.53	5.91	**3800**	**2600**	<0.5	<0.5	<0.5	**2.7**	<5
MW-1	9/9/2005	17.44	13.63	3.81	**15000**	**11000**	<5	<5	<5	**15**	<50
MW-1	11/30/2007	17.44	13.95	3.49	--	--	--	--	--	--	--
MW-1	12/20/2007	17.44	11.51	5.93	**45000**	**110000**	**20**	**50**	**20**	**100**	<5
MW-1	5/23/2008	17.44	14.14	3.3	**4200**	<500	<1	<1	<1	**20**	<0.50
MW-1	8/12/2008	17.44	13.78	3.66	**4000**	**12000**	<1	<1	<1	<1	<0.50
MW-1	12/18/2008	17.44	10.71	6.73	**9900**	**2700**	<1	<1	<1	<1	<0.50
MW-1	2/19/2009	17.44	8.91	8.53	**500**	**3100**	<10	<10	<10	<10	<5
MW-1	8/11/2009	17.44	13.35	4.09	**13000**	**7800**	<10	<10	<10	<10	**5.9**
MW-1 NP	*8/11/2009*	*17.44*	*13.35*	*4.09*	***6000***	***10000***	*<10*	*<10*	*<10*	*<10*	*<5*
MW-2	11/18/1992	17.31	13.18	4.13	**630**	NA	<0.5	<0.5	<0.5	<0.5	NA
MW-2	11/4/1993	17.31	14.84	2.47	**3200**	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	3/8/1994	17.31	11.5	5.81	**45**	NA	**1.4**	**2**	**11**	**19**	NA
MW-2	8/2/1994	17.31	13.14	4.17	**170**	<50	<0.5	<0.5	<0.5	<0.5	NA

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

		Monitoring Summary			Analytical Summary						
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		←	ft bgs	→	←			ug/l			→
MW-2	2/8/1995	17.31	8.18	9.13	**570**	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	7/8/1996	17.31	11.06	6.25	**1800**	**2800**	<0.5	**2.6**	**15**	**24**	**6.3**
MW-2	10/9/1996	17.31	12.38	4.93	**4100**	NA	<0.5	**0.57**	<0.5	<0.5	NA
MW-2	3/18/1997	17.31	10.61	6.7	**240**	NA	<0.5	**0.57**	<0.5	<0.5	**5.3**
MW-2	6/19/1997	17.31	11.68	5.63	**2500**	NA	<0.5	<0.5	**9.1**	<0.5	<5.0
MW-2	11/14/1997	17.31	10.61	6.7	**130**	NA	<0.5	<0.5	**0.9**	**1.2**	<5.0
MW-2	12/15/1999	17.31	10.97	6.34	<20	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-2	3/22/2002	17.31	8.82	8.49	**170**	**13000**	**410**	**1000**	**210**	**1100**	<5.0
MW-2	4/15/2003	17.31	8.52	8.79	**99**	--	<0.5	<0.5	<0.5	**0.76**	**10**
MW-2	3/26/2004	17.31	9.32	7.99	**120**	**93**	<0.5	<0.5	<0.5	**0.76**	**5.4**
MW-2	9/30/2004	17.31	11.62	5.69	<50	<50	<0.5	<0.5	<0.5	<0.5	<5
MW-2	9/9/2005	17.31	12.75	4.56	**120**	**98**	<0.5	<0.5	<0.5	<0.5	<5
MW-2	11/30/2007	17.31	11.06	6.25	--	--	--	--	--	--	--
MW-2	12/20/2007	17.31	9.95	7.36	<50	**3000**	<1	**1.6**	<1	**2.4**	**2.9**
MW-2	5/23/2008	17.31	12.46	4.85	**300**	**1100**	<1	<1	<1	<1	**3.5**
MW-2	8/12/2008	17.31	12.08	5.23	**2200**	**350**	<1	<1	<1	<1	<0.50
MW-2	12/18/2008	17.31	10.58	6.73	**300**	<50	<1	<1	<1	<1	**7.3**
MW-2	2/19/2009	17.31	8.22	9.09	**300**	**300**	<1	<1	<1	<1	**3.4**
MW-2	8/11/2009	17.31	13.00	4.31	**600**	**610**	<1	<1	<1	<1	**3.8**
MW-3	11/18/1992	17.44	13.93	3.51	**11000**	NA	<0.5	<0.5	<0.5	<0.5	NA
MW-3	11/4/1993	17.44	15.16	2.28	**320**	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	3/8/1994	17.44	13.43	4.01	**45**	NA	**0.8**	**0.9**	**5**	**10**	NA
MW-3	8/2/1994	17.44	12.82	4.62	<20	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	2/8/1995	17.44	7.62	9.82	<20	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	7/8/1996	17.44	10.97	6.47	**2500**	**2200**	**1**	<0.5	**8.8**	**8**	**10**
MW-3	10/9/1996	17.44	11.84	5.6	**2600**	NA	<0.5	<0.5	<0.5	<0.5	NA
MW-3	3/18/1997	17.44	10.16	7.28	**2500**	NA	<0.5	**0.61**	**0.63**	**5.2**	NA
MW-3	6/19/1997	17.44	11.4	6.04	**21000**	NA	<0.5	<0.5	**11**	<0.5	<5.0
MW-3	11/14/1997	17.44	10.71	6.73	**1,400**	NA	<0.5	<0.5	**28**	**28**	<5.0

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

		Monitoring Summary			Analytical Summary						
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		←	ft bgs	→	←			ug/l			→
MW-3	12/15/1999	17.44	10.96	6.48	<20	<50	<0.5	<0.5	<0.5	<0.5	NA
MW-3	3/22/2002	17.44	10.97	6.47	**420**	<50	<0.5	<0.5	<0.5	<0.5	**31**
MW-3	4/15/2003	17.44	8.31	9.13	**2700**	--	<0.5	<0.5	<0.5	<0.5	**40**
MW-3	3/26/2004	17.44	8.61	8.83	**2700**	**1900**	<1.7	<1.7	<1.7	**4.3**	<17
MW-3	9/30/2004	17.44	11.1	6.34	**3900**	**2600**	<0.5	<0.5	<0.5	**3.2**	<10
MW-3	9/9/2005	17.44	13.75	3.69	**4000**	**2600**	<0.5	<0.5	**0.57**	**2.7**	**12**
MW-3	11/30/2007	17.44	13.9	3.54	--	--	--	--	--	--	--
MW-3	12/20/2007	17.44	10.79	6.65	**18000**	**12000**	<1	**1.6**	**1.1**	**2.4**	**9.2**
MW-3	5/23/2008	17.44	15.2	2.24	**900**	**3000**	<1	<1	<1	<1	**9.1**
MW-3	8/12/2008	17.44	14.14	3.3	**1900**	**4300**	<1	<1	<1	<1	**6.5**
MW-3	12/18/2008	17.44	12.53	4.91	**5000**	**610**	<1	**1**	<1	<1	**20**
MW-3	2/19/2009	17.44	11.11	6.33	**1500**	**1300**	<1	**1**	<1	<1	**9**
MW-3	8/11/2009	17.44	15.22	2.22	**1000**	**2200**	<10	<10	<10	<10	**7.3**
MW-3 NP	*8/11/2009*	*17.44*	*15.22*	*2.22*	***3000***	***6700***	*<10*	*<10*	*<10*	*<10*	*<5*
W-IND	3/22/2002	NA	--	--	<50	**190**	<0.5	<0.5	<0.5	**0.8**	<5.0
W-IND	4/15/2003	NA	--	--	--	--	--	--	--	--	--
W-IND	3/26/2004	NA	--	--	**500**	**200**	<0.5	<0.5	<0.5	<0.5	<5
W-IND	9/30/2004	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5
W-IND	9/9/2005	NA	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<5
W-IND	11/30/2007	NA	12.92	--	--	--	--	--	--	--	--
W-IND	12/20/2007	NA	11.68	--	<50	**500**	<1	**1**	<1	**2.2**	<.50
W-IND	5/23/2008	NA	12.72	--	**300**	**250**	<1	**3.7**	<1	**2.4**	<0.50
W-IND	8/12/2008	NA	13.42	--	<50.0	<50.0	<1	<1	<1	<1	<0.50
W-IND	12/18/2008	NA	12.65	--	<50	<50	<1	<1	<1	<1	**0.7**
W-IND	2/19/2009	NA	9.74	--	<50	<50	<1	<1	<1	<1	<0.5
W-IND	8/11/2009	NA	14.13	--	<50	<50	<1	<1	<1	<1	<0.5

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

		Monitoring Summary			Analytical Summary						
Well ID	Date	Top of Casing	Depth to Water	Groundwater Elevation	TPH-SS	TPH-G	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
		←	ft bgs	→	←		ug/l				→

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

fbg = Feet below grade.
NA = Data not available
<n = Below laboratory detection limit of n ppm.
-- = not analyzed

June 2007: Taber Consultants assumed environmental consulting responsibilities.
8/11/2009 Taber Consultants conducted No-Purge Sampling in MW1 and MW3

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. 18993

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (PDF To): **Tom Ballard (to email address's)**	California EDF Report? ☑ Yes ☐ No
Company / Address: **Taber Consultants: 3911 West Capitol Ave.**	Sampling Company Log Code: **WRMC**
West Sacramento, CA 95691	Global ID: **T0600100379**
Phone #: **916-371-1690** Fax #: **916-371-7265**	Deliver all files to: **inbox@TaberConsultants.com**
Project #: **51074** P.O. #: **3A**	please email a copy to: **SNess@TaberConsultants.com**
Project Name: **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 / 1 Amb	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
MW-1	MW-1	8/11/09	12:45	3			1		X		X	X			X	X								X	X	x
MW-2	MW-2		10:55	3			1		X		X	X			X	X								X	X	x
MW-3	MW-3		12:05	3			1		X		X	X			X	X								X	X	x
W-IND	W-IND	8/11/09	10:10	3			1		X		X	X			X	X								X		x

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

Relinquished by:	Date	Time	Received by:
	8/13/09	14:25	
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:
2009_08_10_GMR_CityOfParis_18495

Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

Sparger Technology, Inc.
Environmental Laboratories

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

COC # / Lab No. 18994

Page 1 of 1

Chain-of-Custody Record and Analysis Request

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

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass 500mL	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air
MW-1 NP	MW-1	8/11/09	11:15	3			1		X		X	X		
~~Dup~~	~~MW-2~~								X		X			
MW-3 NP	MW-3	8/11/09	11:30	3			1		X		X	X		

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

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk — MW-1 NP: x; ~~Dup~~: x; MW-3 NP: x

Relinquished by:	Date	Time	Received by:
	8/13/09	14:25	
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:
2009_08_10_NoPurge_CityOfP_12345

Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

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

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

Date: 8/11/09

Project: 51074

Recorded by: SL.

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
MW2	925		13.35	53.41		-	-	
MW2	934		13.00	29.50		-	-	
MW3	940		15.22	29.73		-	-	X No Purge Sample ; 11:30
MW1	947		14.13	27.50		-	-	X No Purge Sample; 11:15
Purge Sampling ALL wells :				3 VOA's & 1-1L Amber Each				
No purge Sampling : MW-3 & MW-1 :				3 VOA's & 1- 500 mL Amber Each.				

Notes: TOTAL Purge Volume (w/Decon) = 55 GALLONS.

SAMPLING INFORMATION SHEET

Client: City of Parks Cleaners
Site: 3514 Adeline St. Oakland, CA

Sampling Date: 8/11/09
Project No.: 51074
Well Designation: MW-1

Is setup of traffic control devices required? (X) No ( ) Yes time: _____ hours
Is there standing water in the well box? (X) No ( ) Yes [ ] Above TOC [ ] Below TOC
Is top of casing cut level? ( ) No (X) Yes If no, see remarks
Is well cap sealed and locked? ( ) No (X) 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 [ ] 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 ( ) Fair (X) Poor ( )

Purging Equipment: [ ] 2" disposable bailer [X] Submersible pump
[ ] 2" PVC bailer [ ] Dedicated bailer
[ ] 4" PVC bailer [ ] Centrifugal pump
Sampled with: Disposable bailer [X] Teflon bailer [ ] Disposable Tubing [ ]

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

Initial Measurement
Time: 09:47
Depth of well: 27.30
Depth of water: 14.13

Recharge Measurement
Time: 12:35
Depth of water: 17.10

Calculated purge: 6.5
Actual purge: 6.5

Start purge: 12:15 Sampling Time: 12:45

Time	Temperature	E.C.	pH	Turbidity	Volume
* 12:18	18.7	1270 uS	7.05	—	2.1
* 12:23	18.2	1443 uS	7.15	—	4.2
* 12:30	18.3	1498 uS	7.13	—	6.5
* Purged Dry 3X's TOTAL Volume:			6.5 Gallons.		

Sample appearance: Cloudy BLK/SHEEN/odor 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 Bold [ ] _____
6" Locking Cap: [ ] _____ Pinned Allenhead (DWP) [ ] _____

Remarks: ODOR/SHEEN.
Signature: SR

SAMPLING INFORMATION SHEET

Client: City of Pauls Cleaners
Site: 3514 Adeline St. Oakland, CA.

Sampling Date: 8/11/09
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): 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 ☐

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

Initial Measurement
Time: 09:34
Depth of well: 29.50
Depth of water: 13.00

Recharge Measurement
Time: 1052
Depth of water: 10.71

Calculated purge: 8.0
Actual purge: 8.0

Start purge: 10:30 Sampling Time: 10:55

	Time	Temperature	E.C.	pH	Turbidity	Volume
*	10:34	18.1°C	1956 us	7.10	—	2.7
*	10:40	17.6°C	1710 us	7.32	—	5.4
*	10:45	17.5°C	1583 us	7.24	—	8.0
	Purged	Dry 3 x's	TOTAL volume = 8 Gallons			

Sample appearance: Clear 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 Bold ☐ _____
6" Locking Cap: ☐ _____ Pinned Allenhead (DWP) ☐ _____

Remarks:

Signature: [signature]

SAMPLING INFORMATION SHEET

Client: City of Ray's Cleaners
Site: 3514 Adeline St. Oakland, CA.
Sampling Date: 8/11/09
Project No.:
Well Designation: MW-3

Is setup of traffic control devices required? (X) No ( ) Yes time: ____ hours
Is there standing water in the well box? (X) No ( ) Yes [ ] Above TOC [ ] Below TOC
Is top of casing cut level? ( ) No (X) Yes If no, see remarks
Is well cap sealed and locked? ( ) No (X) 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 [ ] 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 ( ) Fair (X) Poor ( )

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

Sampled with: Disposable bailer [X] Teflon bailer [ ] Disposable Tubing [ ]

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

Initial Measurement
Time: 09:40
Depth of well: 29.93
Depth of water: 15.22

Recharge Measurement
Time: 12:05
Depth of water: 23.18

Calculated purge: ____
Actual purge: 7.0

Start purge: 11.45 Sampling Time: 12:05

Time	Temperature	E.C.	pH	Turbidity	Volume
11:49	18.2	1586	6.92	—	2.3
* 11:54	17.4	1579	7.18	—	4.6
* 11:58	17.5	1585	7.32	—	7.0
Parameters stabilized	3 X's TOTAL	Volume Purged	7 Gallons.		

Sample appearance: Clear / Cloudy (Odor) 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 Bold [ ] ____
6" Locking Cap: [ ] ____ Pinned Allenhead (DWP) [ ] ____

Remarks: Odor
Signature: [signature]

SAMPLING INFORMATION SHEET

Client: City of Paul Cranfus
Site: 3514 Adeline St. Oakland, CA.

Sampling Date: 8/11/09
Project No.:
Well Designation: IND WELL 3 QTR GW MONITORING

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 ☒ 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 ☐

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

Initial Measurement
Time: 09:25
Depth of well: 54.41
Depth of water: 13.35

Recharge Measurement
Time: 10:02
Depth of water: 17.37

Calculated purge: 19.70
Actual purge: 20.0

Start purge: 09:45 Sampling Time: 10:10

Time	Temperature	E.C.	pH	Turbidity	Volume
09:48	17.5°C	1010 µS	7.29	—	6.5
09:53	17.5°C	988 µS	7.53	—	13.0
09:58	17.4°C	880 µS	7.59	—	20.0

Sample appearance: CLEAR 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 Bold ☐ ____
6" Locking Cap: ☐ ____ Pinned Allenhead (DWP) ☐ ____

Remarks:

Signature: [signature]

Sparger Technology, Inc.
Environmental Laboratories

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

COC # / Lab No. 18993

Page 1 of 1

Chain-of-Custody Record and Analysis Request

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

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

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass 1L Amb	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE\BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatagrams	TAT
MW-1	MW-1	8/11/09	12:45	3			1		X		X	X			X	X								X	X	x
MW-2	MW-2		10:55	3			1		X		X	X			X	X								X	X	x
MW-3	MW-3		12:05	3			1		X		X	X			X	X								X	X	x
W-IND	W-IND	8/11/09	10:10	3			1		X		X	X			X	X								X		x

Relinquished by:	Date: 8/13/09	Time: 14:25	Received by:
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:
2009_08_10_GMR_CityOfParis_18495

Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

Sparger Technology, Inc.
Environmental Laboratories

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

COC # / Lab No. 18994

Page 1 of 1

Chain-of-Custody Record and Analysis Request

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

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Sleeve	Poly	Glass 500mL	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE\BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatagrams	TAT
MW-1 NP	MW-1	8/11/09	11:15	3			1		X		X	X			X	X								X	X	x
[redacted]	[redacted]								X						X	X								X	X	x
MW-3 NP	MW-3	8/11/09	11:30	3			1		X		X	X			X	X								X	X	x

Relinquished by:	Date	Time	Received by:
[signature]	8/13/09	14:25	[signature]
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:
2009_08_10_NoPurge_CityOfP_12345

Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

InStrat, Inc.

A liquid waste disposal company

P.O. Box 2279
Davis, CA 95617
(530) 753-1829

No. 8378

CUSTOMER P.O.

CHARGE TO: Taber Consultants

DATE: 8-13-09

DAY OF WEEK: Thursday

ADDRESS:

ORIGIN: City of Paris Cleaners

DESTINATION: 3516 Adeline St. Oakland, CA

	DESCRIPTION			QTY / HRS	RATE	CHARGES
X	Monitoring well dewatering / pump test					
	Auger rinsate		Underground storage tank (UST)			
	Spill/ release (not UST related)		Surface Impoundment			
X	Drums		Above ground storage tank			
	Solids			1		
	Washout					
Color	Clear		Sani-chlor			
Odor	Ø		Filters			
Solids	Ø %		Powersorb Sheet			
Other			Powersorb Boom			
Transporter	Taber					

THIS TOTAL WILL STAND AS CORRECT UNLESS NOTIFIED OF CORRECTION WITHIN FIVE DAYS

TERMS NET 30 DAYS. THE CUSTOMER AGREES TO PAY A FINANCE CHARGE OF 2% PER MONTH, WHICH IS AN ANNUAL RATE OF 24% ON PAST DUE ACCOUNTS.

SIGNED BY X

SALES TAX

TOTAL TO COLLECT

NON-HAZARDOUS W

Colors - Clear
Oders - Ø
Solids - Ø

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Stewart Kirk	Stewart Kirk	8 / 13 / 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Instrat.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Matt Belcher	Matt Belcher	8 / 13 / 09

APPENDIX B
LABORATORY REPORTS

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

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

Client	Taber Consultants
Workorder	18994 NoPurge_CityOfP
Received	08/13/09

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

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

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

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

Ray James
Laboratory Director

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

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

Workorder 18994

Enclosed are the results from samples received on August 13, 2009.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18994001	MW-1 NP, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC
18994002	MW-3 NP, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18994 **Workorder ID** NoPurge_CityOfP

Laboratory ID 18994001 **Sampled** 08/11/09
Sample ID MW-1 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**08/17/09**	**08/26/09**	**6000**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18994001 **Sampled** 08/11/09
Sample ID MW-1 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/14/09**	**08/14/09**	**10000**	**500**	**ug/L**	**1:10**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	21 ug/L	105 %	(65 - 135)

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

Laboratory ID 18994001 **Sampled** 08/11/09
Sample ID MW-1 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/18/09	08/18/09	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	55 ug/L	110 %	(65 - 135)

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18994 **Workorder ID** NoPurge_CityOfP

Laboratory ID 18994002 **Sampled** 08/11/09
Sample ID MW-3 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**08/17/09**	**08/26/09**	**3000**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18994002 **Sampled** 08/11/09
Sample ID MW-3 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/14/09**	**08/14/09**	**6700**	**500**	**ug/L**	**1:10**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	21 ug/L	105 %	(65 - 135)

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

Laboratory ID 18994002 **Sampled** 08/11/09
Sample ID MW-3 NP **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/18/09	08/18/09	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1

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

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Method Blank Report

Client ID Taber Consultants **Sample ID** MB for HBN 371750 [VMXV/3166]
Laboratory ID 91707 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	ND	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 371750 [VMXV/3166]
Laboratory ID 91708 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	50	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	42	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	50	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	147	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Taber Consultants **Sample ID** LCSD for HBN 371750 [VMXV/3166
Laboratory ID 91709 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	51	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	38	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	46	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	133	1.0	ug/L	1:1

Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 371750 [VMXV/3166]
Laboratory ID 91710 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	50	0.50	ug/L	1:1

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Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 371750 [VMXV/3166]
Laboratory ID 91710 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	40	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	49	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	144	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Taber Consultants **Sample ID** MSD for HBN 371750 [VMXV/3166]
Laboratory ID 91711 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/18/09	08/18/09	57	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	47	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	42	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	49	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	145	1.0	ug/L	1:1

Method Blank Report

Client ID Taber Consultants **Sample ID** MB for HBN 371753 [VGXV/3018]
Laboratory ID 91712 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	21 ug/L	105 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 371753 [VGXV/3018]
Laboratory ID 91713 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	938	50	ug/L	1:1

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Lab Control Sample Duplicate Report

Client ID	Taber Consultants	**Sample ID**	LCSD for HBN 371753 [VGXV/3018
Laboratory ID	91714	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	887	50	ug/L	1:1

Matrix Spike Report

Client ID	Taber Consultants	**Sample ID**	MS for HBN 371753 [VGXV/3018]
Laboratory ID	91715	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	970	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID	Taber Consultants	**Sample ID**	MSD for HBN 371753 [VGXV/3018]
Laboratory ID	91716	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	903	50	ug/L	1:1

Method Blank Report

Client ID	Taber Consultants	**Sample ID**	MB for HBN 371956 [SGXV/2601]
Laboratory ID	91740	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	ND	50.0	ug/L	1:1

Lab Control Sample Report

Client ID	Taber Consultants	**Sample ID**	LCS for HBN 371956 [SGXV/2601]
Laboratory ID	91741	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	900	50.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID	Taber Consultants	**Sample ID**	LCSD for HBN 371956 [SGXV/2601
Laboratory ID	91742	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	1000	50.0	ug/L	1:1

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QC SUMMARY

Client ID Taber Consultants
QC Batch VMX 3206
Matrix Water
Original 18986001
Samples Matrix Spike [91710]
Matrix Spike Duplicate [91711]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	100	114	(65-135)	13	(20 MAX)
Benzene	88	94	(65-135)	6.6	(20 MAX)
Toluene	80	84	(65-135)	4.9	(20 MAX)
Ethylbenzene	98	98	(65-135)	00	(20 MAX)
Xylene,Total	96	97	(65-135)	1.0	(20 MAX)

Client ID Taber Consultants
QC Batch VGX 3138
Matrix Water
Original 18986001
Samples Matrix Spike [91715]
Matrix Spike Duplicate [91716]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	97	90	(65-135)	7.5	(20 MAX)

Client ID Taber Consultants
QC Batch VMX 3206
Matrix Water
Samples Lab Control Sample [91708]
Lab Control Sample Duplicate [91709]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	100	102	(65-135)	2.0	(20 MAX)
Benzene	88	88	(65-135)	00	(20 MAX)
Toluene	84	76	(65-135)	10	(20 MAX)
Ethylbenzene	100	92	(65-135)	8.3	(20 MAX)
Xylene,Total	98	89	(65-135)	9.6	(20 MAX)

Client ID Taber Consultants
QC Batch VGX 3138
Matrix Water
Samples Lab Control Sample [91713]
Lab Control Sample Duplicate [91714]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	94	89	(65-135)	5.5	(20 MAX)

Client ID Taber Consultants
QC Batch SGX 2631
Matrix Water
Samples Lab Control Sample [91741]
Lab Control Sample Duplicate [91742]

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

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Sparger Technology, Inc.
Environmental Consultants

3738 Bradview Drive
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Lab: 916.369.7688
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COC # / Lab No. 18994

Chain-of-Custody Record and Analysis Request

Project Contact (PDF To): Tom Ballard (to email address's)
Company / Address: Taber Consultants: 3911 West Capitol Ave. West Sacramento, CA 95691
Phone #: 916-371-1690 Fax #: 916-371-7265
Project #: 51074 P.O. #: 3A
Project Name: NoPurge_CityOfP
Project Address: 3514 Adeline St. Oakland, CA

California EDF Report? ☑ Yes ☐ No
Sampling Company Log Code: WRMC
Global ID: T0600100379
Deliver all files to: inbox@TaberConsultants.com
please email a copy to: SNess@TaberConsultants.com
Sampler Signature:

Sample ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass 500mL	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE|BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatagrams	TAT
MW-1 NP	MW-1	8/11/09	11:15	3			1		X		X	X			X	X								X	X	x
~~[illegible]~~	~~[illegible]~~								X						X	X								X	X	x
MW-3 NP	MW-3	8/11/09	11:30	3			1		X		X	X			X	X								X	X	x

Relinquished by:	Date	Time	Received by:
[signature]	8/13/09	14:25	[signature]
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:
2009_08_10_NoPurge_CityOfP_12345
Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

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

Client	Taber Consultants
Workorder	18993 GMR_CityOfParis
Received	08/13/09

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

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

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

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

Ray James
Laboratory Director

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

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

Workorder 18993

Enclosed are the results from samples received on August 13, 2009.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18993001	MW-1, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC
18993002	MW-2, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC
18993003	MW-3, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC
18993004	W-IND, Water	08/11/09	8015B Stoddard Solvent 8015B TPHgas 8260B BTEX/FOC

Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18993 **Workorder ID** GMR_CityOfParis

Laboratory ID 18993001 **Sampled** 08/11/09
Sample ID MW-1 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**08/17/09**	**08/26/09**	**13000**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18993001 **Sampled** 08/11/09
Sample ID MW-1 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/14/09**	**08/14/09**	**7800**	**500**	**ug/L**	**1:10**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	21 ug/L	105 %	(65 - 135)

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

Laboratory ID 18993001 **Sampled** 08/11/09
Sample ID MW-1 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	**8260B BTEX/FOC**	**08/18/09**	**08/18/09**	**5.9**	**5.0**	**ug/L**	**1:10**
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18993 **Workorder ID** GMR_CityOfParis

Laboratory ID 18993002 **Sampled** 08/11/09
Sample ID MW-2 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**08/17/09**	**08/26/09**	**600**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18993002 **Sampled** 08/11/09
Sample ID MW-2 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/14/09**	**08/14/09**	**610**	**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 18993002 **Sampled** 08/11/09
Sample ID MW-2 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	**8260B BTEX/FOC**	**08/18/09**	**08/18/09**	**3.8**	**0.50**	**ug/L**	**1:1**
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	54 ug/L	108 %	(65 - 135)

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18993 **Workorder ID** GMR_CityOfParis

Laboratory ID 18993003 **Sampled** 08/11/09
Sample ID MW-3 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	**8015B TEPH**	**08/17/09**	**08/26/09**	**1000**	**50.0**	**ug/L**	**1:1**

Laboratory ID 18993003 **Sampled** 08/11/09
Sample ID MW-3 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**08/14/09**	**08/14/09**	**2200**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	20 ug/L	100 %	(65 - 135)

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

Laboratory ID 18993003 **Sampled** 08/11/09
Sample ID MW-3 **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	**8260B BTEX/FOC**	**08/18/09**	**08/18/09**	**7.3**	**5.0**	**ug/L**	**1:10**
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	10	ug/L	1:10

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	55 ug/L	110 %	(65 - 135)

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Test Certificate of Analysis

Client ID Taber Consultants
Workorder # 18993 **Workorder ID** GMR_CityOfParis

Laboratory ID 18993004 **Sampled** 08/11/09
Sample ID W-IND **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B Stoddard Solvent

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	ND	50.0	ug/L	1:1

Laboratory ID 18993004 **Sampled** 08/11/09
Sample ID W-IND **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8015B TPH Gas

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	20 ug/L	100 %	(65 - 135)

Laboratory ID 18993004 **Sampled** 08/11/09
Sample ID W-IND **Received** 08/13/09
Matrix Water **Reported** 08/27/09

8260B Oxygenates

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/18/09	08/18/09	ND	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	55 ug/L	110 %	(65 - 135)

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Method Blank Report

Client ID Taber Consultants **Sample ID** MB for HBN 371750 [VMXV/3166]
Laboratory ID 91707 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	ND	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	ND	1.0	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/L	112 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 371750 [VMXV/3166]
Laboratory ID 91708 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	50	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	42	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	50	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	147	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Taber Consultants **Sample ID** LCSD for HBN 371750 [VMXV/3166
Laboratory ID 91709 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	51	0.50	ug/L	1:1
Benzene	8260B	BTEX/FOC08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B	BTEX/FOC08/18/09	08/18/09	38	1.0	ug/L	1:1
Ethylbenzene	8260B	BTEX/FOC08/18/09	08/18/09	46	1.0	ug/L	1:1
Xylene,Total	8260B	BTEX/FOC08/18/09	08/18/09	133	1.0	ug/L	1:1

Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 371750 [VMXV/3166]
Laboratory ID 91710 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B	BTEX/FOC08/18/09	08/18/09	50	0.50	ug/L	1:1

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Matrix Spike Report

Client ID Taber Consultants **Sample ID** MS for HBN 371750 [VMXV/3166]
Laboratory ID 91710 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	44	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	40	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	49	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	144	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Taber Consultants **Sample ID** MSD for HBN 371750 [VMXV/3166]
Laboratory ID 91711 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Methyl-tert-butyl-ether	8260B BTEX/FOC	08/18/09	08/18/09	57	0.50	ug/L	1:1
Benzene	8260B BTEX/FOC	08/18/09	08/18/09	47	1.0	ug/L	1:1
Toluene	8260B BTEX/FOC	08/18/09	08/18/09	42	1.0	ug/L	1:1
Ethylbenzene	8260B BTEX/FOC	08/18/09	08/18/09	49	1.0	ug/L	1:1
Xylene,Total	8260B BTEX/FOC	08/18/09	08/18/09	145	1.0	ug/L	1:1

Method Blank Report

Client ID Taber Consultants **Sample ID** MB for HBN 371753 [VGXV/3018]
Laboratory ID 91712 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	21 ug/L	105 %	(65 - 135)

Lab Control Sample Report

Client ID Taber Consultants **Sample ID** LCS for HBN 371753 [VGXV/3018]
Laboratory ID 91713 **Matrix** Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	938	50	ug/L	1:1

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Lab Control Sample Duplicate Report

Client ID	Taber Consultants	**Sample ID**	LCSD for HBN 371753 [VGXV/3018
Laboratory ID	91714	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	887	50	ug/L	1:1

Matrix Spike Report

Client ID	Taber Consultants	**Sample ID**	MS for HBN 371753 [VGXV/3018]
Laboratory ID	91715	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	970	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID	Taber Consultants	**Sample ID**	MSD for HBN 371753 [VGXV/3018]
Laboratory ID	91716	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	08/14/09	08/14/09	903	50	ug/L	1:1

Method Blank Report

Client ID	Taber Consultants	**Sample ID**	MB for HBN 371956 [SGXV/2601]
Laboratory ID	91740	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	ND	50.0	ug/L	1:1

Lab Control Sample Report

Client ID	Taber Consultants	**Sample ID**	LCS for HBN 371956 [SGXV/2601]
Laboratory ID	91741	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	900	50.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID	Taber Consultants	**Sample ID**	LCSD for HBN 371956 [SGXV/2601
Laboratory ID	91742	**Matrix**	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Stoddard Solvent	8015B TEPH	08/17/09	08/26/09	1000	50.0	ug/L	1:1

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QC SUMMARY

Client ID Taber Consultants
QC Batch VMX 3206
Matrix Water
Original 18986001
Samples Matrix Spike [91710]
Matrix Spike Duplicate [91711]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	100	114	(65-135)	13	(20 MAX)
Benzene	88	94	(65-135)	6.6	(20 MAX)
Toluene	80	84	(65-135)	4.9	(20 MAX)
Ethylbenzene	98	98	(65-135)	00	(20 MAX)
Xylene,Total	96	97	(65-135)	1.0	(20 MAX)

Client ID Taber Consultants
QC Batch VGX 3138
Matrix Water
Original 18986001
Samples Matrix Spike [91715]
Matrix Spike Duplicate [91716]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	97	90	(65-135)	7.5	(20 MAX)

Client ID Taber Consultants
QC Batch VMX 3206
Matrix Water
Samples Lab Control Sample [91708]
Lab Control Sample Duplicate [91709]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
Methyl-tert-butyl-ether	100	102	(65-135)	2.0	(20 MAX)
Benzene	88	88	(65-135)	00	(20 MAX)
Toluene	84	76	(65-135)	10	(20 MAX)
Ethylbenzene	100	92	(65-135)	8.3	(20 MAX)
Xylene,Total	98	89	(65-135)	9.6	(20 MAX)

Client ID Taber Consultants
QC Batch VGX 3138
Matrix Water
Samples Lab Control Sample [91713]
Lab Control Sample Duplicate [91714]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	94	89	(65-135)	5.5	(20 MAX)

Client ID Taber Consultants
QC Batch SGX 2631
Matrix Water
Samples Lab Control Sample [91741]
Lab Control Sample Duplicate [91742]

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

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Sparger Technology, Inc.

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Sacramento, CA 95827
Lab: 916.369.7688
Fax: 916.369.7689

COC # / Lab No. 18993

Chain-of-Custody Record and Analysis Request

Project Contact (PDF To): Tom Ballard (to email address's)	California EDF Report? ☑ Yes ☐ No
Company / Address: Taber Consultants: 3911 West Capitol Ave. West Sacramento, CA 95691	Sampling Company Log Code: WRMC Global ID: T0600100379
Phone #: 916-371-1690 Fax #: 916-371-7265	Deliver all files to: inbox@TaberConsultants.com
Project #: 51074 P.O. #: 3A	please email a copy to: SNess@TaberConsultants.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 1L Amb	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE|BTEX (EPA 8260B)	TPH Gas (EPA 8015)	5 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Organics Full List (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TPH-SS Stoddard Solvents	Chromatograms	TAT: 1 wk
MW-1	MW-1	8/11/09	12:45	3			1		X		X	X			X	X								X	X	x
MW-2	MW-2		10:55	3			1		X		X	X			X	X								X	X	x
MW-3	MW-3		12:05	3			1		X		X	X			X	X								X	X	x
W-IND	W-IND	8/11/09	10:10	3			1		X		X	X			X	X								X		x

Relinquished by:	Date	Time	Received by:
	8/13/09	14:25	
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:
2009_08_10_GMR_CityOfParis_18495
Bill to: ASandino@TaberConsultants.com

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time		